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March 23, 2015

New York City Office of Environmental Remediation
City Voluntary Cleanup Program
c/o Shaminder Chawla
100 Gold Street, 2nd Floor
New York, NY 10038

Re: 15CVCP033K
555 Waverly Avenue
Brooklyn, NY
Remedial Action Work Plan (RAWP) Stipulation List

Dear Mr. Chawla:

Hydro Tech Environmental Corp. (the consultant) hereby submits a Remedial Action Work Plan (RAWP) Stipulation List for 555 Waverly Avenue (the Site) to the New York City Office of Environmental Remediation (OER) on behalf of Waverly Owner I, LLC. This letter serves as an addendum to the RAWP to stipulate additional content, requirements, and procedures that will be followed during the Site remediation. The contents of this list are added to the RAWP and will supersede the content in the RAWP where there is a conflict in purpose or intent. The additional requirements/procedures include the following Stipulation List below:

1. The criterion attached in **Appendix 1** will be utilized if petroleum containing tanks or vessels are identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.

2. A pre-construction meeting is required prior to the start of remedial excavation work at the Site. A pre-construction meeting will be held at the Site and will be attended by OER, the developer or developer representative, the consultant, excavation/general contractor, and if applicable, the soil broker.

3. A pre-approval letter from all disposal facilities will be provided to OER prior to any soil/fill material removal from the Site. Documentation specified in the RAWP - Appendix D - Section 1.6 "Materials Disposal Off-Site" will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

4. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other perm its signage will consist of the NYC VCP Information Sheet (attached **Appendix 2**) announcing the remedial action. The Information sheet will be laminated and permanently affixed to the placard.

5. This NYC VCP project involving the removal and transportation of hazardous waste may be subject to the New York state Department of Environmental Conservation's Special Assessment Tax (ECL 27-0923) and Hazardous Waste Regulatory Fees (ECL 72-00402). See DEC's website for more information: http://www.dec.ny.gov/chemical/9099.html.

6. The property is now comprised of four parcels located at 531-557 Waverly Avenue and 849, 851 and 853 Atlantic Avenue in the Clinton Hills section in Brooklyn, New York City and identified as Block 2012 and Lot 1, 71, 70 and 69 on the New York City Tax Map. A tax lot merger has been filed most recently with the NYC Department of Finance, Division of Land Records - Tax Map Office to merge all four parcels under one property identified as 555 Waverly Avenue and Tax Block 2012 and Tentative Lot 1. A Remedial Investigation was performed at the additional lots 71, 70 and 69 and in the rear undeveloped portion of Lot 1. This investigation consisted of the installation of one soil probe and one sub-slab vapor probe in each of the three buildings at the additional lots and two soil probes in the rear portion of Lot 1. A total of ten soil samples and three sub-slab vapor samples for chemical analysis. Soil results show no VOCs exceeding NYSDEC 6NYCRR Part 375 Section 6.8 (a,b) Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs) were detected in any samples. Tetrachloroethylene (PCE) and its derivative compounds did not occur in any soil samples. Four PAH-range SVOCs including benzo(a)anthracene (max. of 1.91 mg/kg), benzo(a)pyrene (max. of 1.01 mg/kg), benzo(b)fluoranthene (max. of 1.02 mg/kg), benzo(k)fluoranthene (0.98 mg/kg), chrysene (max. 1.23 mg/kg), and Indeno(1,2,3-cd)pyrene (max. of 0.52 ppm) were detected above their respective Track 1 SCOs in one shallow soil sample. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and Indeno(1,2,3-cd)pyrene also exceeded the Track 2 Restricted Residential Use SCOs. Three pesticides 4,4'-DDD, 4-4'-DDE and 4,4'-DDT exceed their Track 1 SCO in one shallow soil sample. Metals are present in 9 of the 10 soil samples at concentrations in exceedance of their respective Track 1 SCOs and include, among others, chromium trivalent (max. 31.10 mg/kg), lead (max. 110 mg/kg) and mercury 0.74 mg/kg). Sub-slab vapor samples collected show a wide range of compounds including BTEX and associated petroleum related compounds

as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all sub-slab and soil vapor samples and their concentrations range from 3 ug/m^3 to 550 ug/m^3. Chlorinated hydrocarbons were also commonly detected in all soil vapor samples, including PCE (max. 12 ug/m^3), TCE (1.3 ug/m^3), chloroform (max. 11 ug/m^3), methylene chloride (max. 26 ug/m^3) and acetone (maximum 470 ug/m^3). **Appendix 3** provides a sampling location map at the additional lots 69, 70 and 71 and the rear of lot 1. The summary tables and raw laboratory data are included in **Appendix 4**.

7. The proposed remedial development will consist of a new 8-story building with a full cellar on four abutting parcels identified as Block 2012 and Lot 1, 69, 70 and 71. The area of the development lot is 31,913 square feet including a 27,468 square feet at the four project parcels combined and 4,445 square feet of air rights at two adjacent parcels identified as Block 2012 and Lots 65 and 67. The proposed new building at the Site will consist of 190 residential apartments. The building will include a parking, mechanical and bike storage areas in cellar, a residential lobby, an entry to parking garage in cellar, a commercial space and a residential apartment on the ground floor and residential apartments from the 2nd through 8th floors. The current zoning designation is R6 Residential District with C2-4 Commercial Overlay. The proposed use is consistent with existing zoning for the property. Revised project plans are included as **Appendix 5.**

8. **Appendix 6** provides a cross section plan and horizontal view showing composite cover details and vapor barrier.

9. OER requires parties seeking City Brownfield Incentive Grants to carry insurance. For a cleanup grant, both the excavator and the trucking firm(s) that handle removal of soil must carry or be covered under a commercial general liability (CGL) policy that provides $1 million per claim in coverage. OER recommends that excavators and truckers also carry contractors pollution liability (CPL) coverage, also providing $1 million per claim in coverage. The CGL policy, and the CPL policy if obtained, must name the City of New York, the NYC Economic Development Corporation, and Brownfield Redevelopment Solutions as additional insured. For an investigation grant, an environmental consultant must be a qualified vendor in the BIG program and carry $1 million of professional liability (PL) coverage. A fact sheet regarding insurance is attached as **Appendix 7**.

10. Daily report will be provided during active excavation work. If no work is performed for extended time period, daily report frequency will be reduced to weekly basis.

Very Truly Yours
Hydro Tech Environmental, Corp.

Paul Matli, Ph.D.
Senior Project Manager

PM/ph
Enc.
cc: Hydro Tech File 150038 w/ Enc.
Horace Zhang, OER, w/Enc.
William Sankey, 555 Waverly I LLC, w/Enc.

Appendix 1

Generic Procedures for Management of Underground Storage Tanks Identified Under the NYC VCP

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the "tank bottom" consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

<u>Impacted Soil Excavation Methods</u>

The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as indentified through physical examination

(PID response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.
The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.

- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.

- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.

- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.

- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.

- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.

Appendix 2

Signage

NYC Voluntary Cleanup Program

This property is enrolled in the New York City Voluntary Cleanup Program for environmental remediation. This is a voluntary program administered by the NYC Office of Environmental Remediation.

For more information, log on to:

www.nyc.gov/oer

If you have questions or would like more information, please contact:

Shaminder Chawla or Horace Zhang at (212) 788-8841

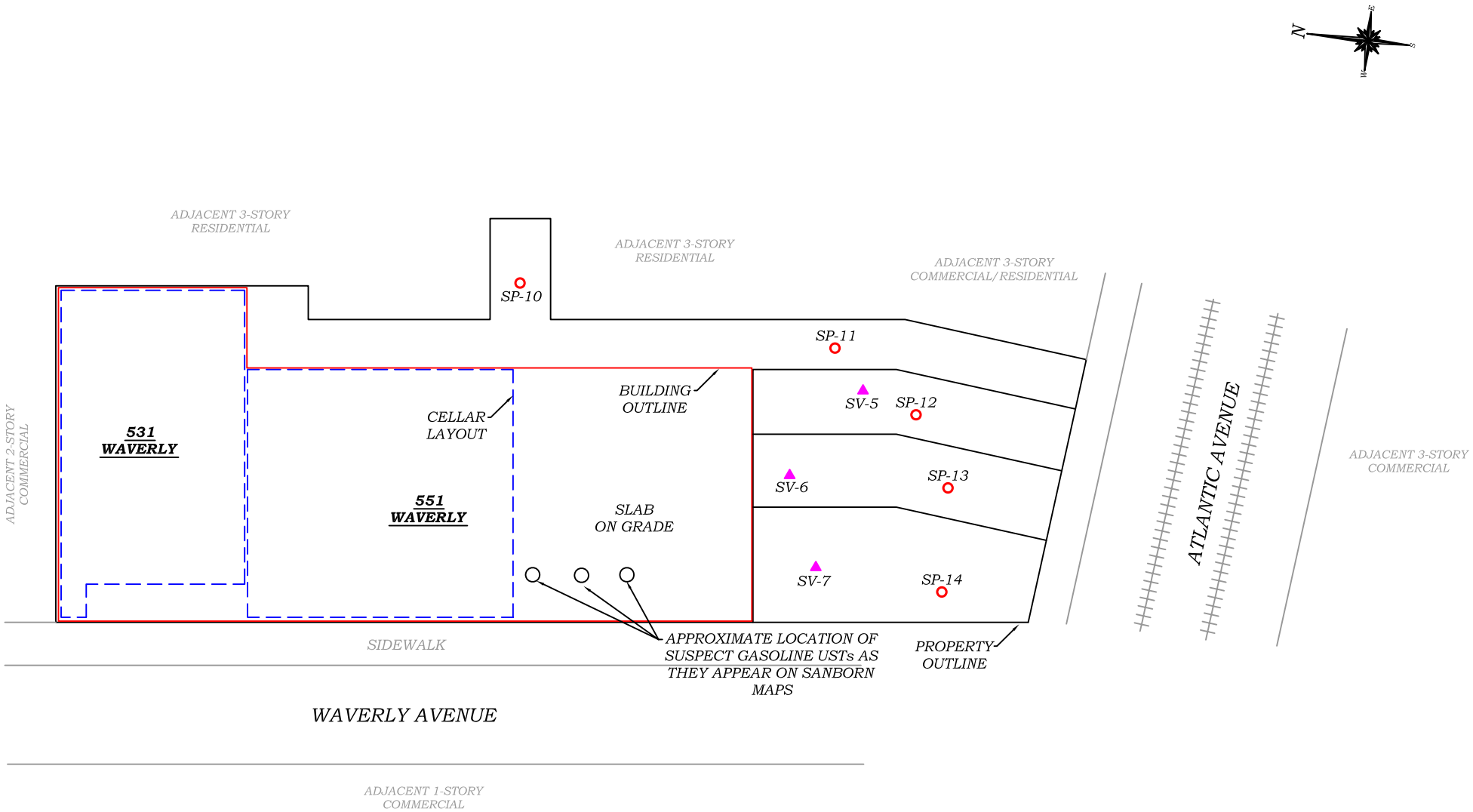
or email us at brownfields@cityhall.nyc.gov

555 Waverly Avenue

Site #: 15CVCP033K

Appendix 3

Sampling Location Map at Additional Lots



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SOIL VAPOR LOCATIONS (SV)

0' 20' 40'
SCALE IN FEET (FT.)

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531 - 551 Waverly Ave
Brooklyn, NY.
HTE Job # 140127

Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.R
Date: 11/22/14
Scale: AS NOTED

TITLE:

FIGURE 1: SAMPLING PLAN

Appendix 4

Summary Tables and Raw Laboratory Data for Site Investigation at Additional Lots

Table 1
Soil Samples Analytical Results for VOCs
555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	SP-10 0'-2'		SP-10 10'-12'		SP-11 0'-2'		SP-11 10'-12'		SP-12 0-2'		SP-12 2'-4'		SP-13 0-2'		SP-13 2'-4'		SP-14 0-2		SP-14 2-4		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Restricted Residential
Sampling Date	11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/26/2014		11/26/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,1,1-Trichloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.68	100
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freo	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,1,2-Trichloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,1-Dichloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.27	26
1,1-Dichloroethylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.33	100
1,1-Dichloropropylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2,3-Trichlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2,3-Trichloropropane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2,4-Trichlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2,4-Trimethylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	3.6	52
1,2-Dibromo-3-chloropropane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2-Dibromoethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,2-Dichlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	1.1	100
1,2-Dichloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.02	3.1
1,2-Dichloropropane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,3,5-Trimethylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	8.4	52
1,3-Dichlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	2.4	49
1,3-Dichloropropane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
1,4-Dichlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	1.8	13
1,4-Dioxane	0.033	U	0.034	U	0.029	U	0.026	U	0.029	U	0.039	U	0.027	U	0.039	U	0.026	U	0.026	U	0.1	13
2,2-Dichloropropane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
2-Butanone	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.12	100
2-Chlorotoluene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
4-Chlorotoluene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Acetone	**0.0050**	**J**	**0.0052**	**J**	0.0029	U	0.0026	U	**0.0079**		0.0039	U	0.0027	U	**0.0089**		**0.0038**	**J**	**0.0039**	**J**	0.05	100
Benzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.06	4.8
Bromobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Bromochloromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Bromodichloromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Bromoform	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Bromomethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Carbon tetrachloride	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.76	2.4
Chlorobenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	1.1	100
Chloroethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Chloroform	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.37	49
Chloromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
cis-1,2-Dichloroethylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.25	100
cis-1,3-Dichloropropylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Dibromochloromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Dibromomethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Dichlorodifluoromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Ethyl Benzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	1	41
Hexachlorobutadiene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Isopropylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Methyl tert-butyl ether (MTBE)	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.93	100
Methylene chloride	**0.0044**	**J**	**0.0069**		**0.0095**	**B**	**0.0067**	**B**	**0.0071**	**B**	**0.0060**	**JB**	**0.0049**	**JB**	**0.0079**	**B**	0.0026	U	**0.0029**	**J**	0.05	100
Naphthalene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	12	100
n-Butylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	12	100
n-Propylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	3.9	100
o-Xylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.26	100
p- & m- Xylenes	0.0033	U	0.0034	U	0.0029	U	0.0026	U	0.0029	U	0.0039	U	0.0027	U	0.0039	U	0.0026	U	0.0026	U	0.26	100
p-Isopropyltoluene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
sec-Butylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	11	100
Styrene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
tert-Butylbenzene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	5.9	100
Tetrachloroethylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	1.3	19
Toluene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.7	100
trans-1,2-Dichloroethylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.19	100
trans-1,3-Dichloropropylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Trichloroethylene	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.47	21
Trichlorofluoromethane	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Vinyl acetate	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	NS	NS
Vinyl Chloride	0.0017	U	0.0017	U	0.0015	U	0.0013	U	0.0014	U	0.0020	U	0.0013	U	0.0019	U	0.0013	U	0.0013	U	0.02	0.9

NOTES:
Q is the Qualifier Column with definitions as follows:
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
NS=this indicates that no regulatory limit has been established for this analyte

Table 2
Soil Samples Analytical Results for SVOCs
555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	SP-10 0'-2'		SP-10 10'-12'		SP-11 0'-2'		SP-11 10'-12'		SP-12 0-2'		SP-12 2'-4'		SP-13 0-2'		SP-13 2'-4'		SP-14 0-2		SP-14 2-4		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/26/2014		11/26/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,2,4-Trichlorobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
1,2-Dichlorobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	1.1	100
1,3-Dichlorobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	2.4	49
1,4-Dichlorobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	1.8	13
2,4,5-Trichlorophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2,4,6-Trichlorophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2,4-Dichlorophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2,4-Dimethylphenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2,4-Dinitrophenol	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
2,4-Dinitrotoluene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2,6-Dinitrotoluene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2-Chloronaphthalene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2-Chlorophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2-Methylnaphthalene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
2-Methylphenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	0.33	100
2-Nitroaniline	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
2-Nitrophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
3- & 4-Methylphenols	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
3,3'-Dichlorobenzidine	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
3-Nitroaniline	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
4,6-Dinitro-2-methylphenol	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
4-Bromophenyl phenyl ether	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
4-Chloro-3-methylphenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
4-Chloroaniline	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
4-Chlorophenyl phenyl ether	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
4-Nitroaniline	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
4-Nitrophenol	0.048	U	0.046	U	0.090	U	0.046	U	0.090	U	0.045	U	0.045	U	0.043	U	0.066	U	0.068	U	NS	NS
Acenaphthene	0.024	U	0.023	U	0.045	U	0.023	U	**0.19**	**D**	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	20	100
Acenaphthylene	0.024	U	0.023	U	0.045	U	0.023	U	**0.080**	**JD**	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	100	100
Aniline	0.097	U	0.091	U	0.18	U	0.091	U	0.18	U	0.089	U	0.090	U	0.087	U	0.13	U	0.14	U	NS	NS
Anthracene	0.024	U	0.023	U	0.045	U	0.023	U	**0.74**	**D**	0.022	U	**0.046**		0.022	U	0.033	U	0.034	U	100	100
Benzo(a)anthracene	0.024	U	0.023	U	**0.069**	**JD**	0.023	U	**1.91**	**D**	0.022	U	**0.046**		0.022	U	0.033	U	0.034	U	1	1
Benzo(a)pyrene	0.024	U	0.023	U	0.045	U	0.023	U	**1.01**	**D**	0.022	U	**0.056**		0.022	U	0.033	U	0.034	U	1	1
Benzo(b)fluoranthene	0.024	U	0.023	U	0.045	U	0.023	U	**1.02**	**D**	0.022	U	**0.044**	**J**	0.022	U	0.033	U	0.034	U	1	1
Benzo(g,h,i)perylene	0.024	U	0.023	U	0.045	U	0.023	U	**0.53**	**D**	0.022	U	**0.039**	**J**	0.022	U	0.033	U	0.034	U	100	100
Benzo(k)fluoranthene	0.024	U	0.023	U	0.045	U	0.023	U	**0.98**	**D**	0.022	U	**0.043**	**J**	0.022	U	0.033	U	0.034	U	0.8	3.9
Benzyl alcohol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Benzyl butyl phthalate	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Bis(2-chloroethoxy)methane	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Bis(2-chloroethyl)ether	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Bis(2-chloroisopropyl)ether	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Bis(2-ethylhexyl)phthalate	**0.039**	**J**	0.023	U	**0.076**	**JD**	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Chrysene	0.024	U	0.023	U	**0.089**	**JD**	0.023	U	**1.23**	**D**	0.022	U	**0.067**		0.022	U	0.033	U	0.034	U	1	3.9
Dibenzo(a,h)anthracene	0.024	U	0.023	U	0.045	U	0.023	U	**0.29**	**D**	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	0.33	0.33
Dibenzofuran	0.024	U	0.023	U	0.045	U	0.023	U	**0.13**	**D**	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	7	59
Diethyl phthalate	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Dimethyl phthalate	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Di-n-butyl phthalate	0.024	U	0.023	U	0.045	U	0.023	U	**0.11**	**D**	**0.051**		**0.050**		**0.048**		0.033	U	0.034	U	NS	NS
Di-n-octyl phthalate	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Fluoranthene	0.024	U	0.023	U	**0.18**	**D**	0.023	U	**3.90**	**D**	0.022	U	**0.17**		0.022	U	0.033	U	0.034	U	100	100
Fluorene	0.024	U	0.023	U	0.045	U	0.023	U	**0.18**	**D**	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	30	100
Hexachlorobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	0.33	1.2
Hexachlorobutadiene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Hexachlorocyclopentadiene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Hexachloroethane	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Indeno(1,2,3-cd)pyrene	0.024	U	0.023	U	0.045	U	0.023	U	**0.52**	**D**	0.022	U	**0.038**	**J**	0.022	U	0.033	U	0.034	U	0.5	0.5
Isophorone	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Naphthalene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	12	100
Nitrobenzene	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
N-Nitrosodimethylamine	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
N-nitroso-di-n-propylamine	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
N-Nitrosodiphenylamine	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	NS	NS
Pentachlorophenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	0.8	6.7
Phenanthrene	0.024	U	0.023	U	**0.076**	**JD**	0.023	U	**2.08**	**D**	0.022	U	**0.18**		0.022	U	0.033	U	0.034	U	100	100
Phenol	0.024	U	0.023	U	0.045	U	0.023	U	0.045	U	0.022	U	0.023	U	0.022	U	0.033	U	0.034	U	0.33	100
Pyrene	0.024	U	0.023	U	**0.17**	**D**	0.023	U	**2.23**	**D**	0.022	U	**0.11**		0.022	U	0.033	U	0.034	U	100	100
Pyridine	0.097	U	0.091	U	0.18	U	0.091	U	0.18	U	0.089	U	0.090	U	0.087	U	0.13	U	0.14	U	NS	NS

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO
Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 3
Soil Samples Analytical Results for Pesticides and PCBs
555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	SP-10 0'-2'		SP-10 10'-12'		SP-11 0'-2'		SP-11 10'-12'		SP-12 0-2'		SP-12 2'-4'		SP-13 0-2'		SP-13 2'-4'		SP-14 0-2		SP-14 2-4		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Restricted Residential
Sampling Date	11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/26/2014		11/26/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
4,4'-DDD	0.0019	U	0.0018	U	**0.0038**	**D**	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.0033	13
4,4'-DDE	0.0019	U	0.0018	U	**0.0054**	**D**	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.0033	8.9
4,4'-DDT	0.0019	U	0.0018	U	**0.0046**	**D**	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.0033	7.9
Aroclor 1016	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1221	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1232	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1242	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1248	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1254	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aroclor 1260	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	NS	NS
Aldrin	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.005	0.097
alpha-BHC	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.02	0.48
alpha-Chlordane	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.094	0.91
beta-BHC	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.036	0.36
Chlordane, total	0.076	U	0.072	U	0.071	U	0.072	U	0.071	U	0.070	U	0.071	U	0.068	U	0.070	U	0.072	U	NS	NS
delta-BHC	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.04	100
Dieldrin	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.005	0.2
Endosulfan I	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	2.4	24
Endosulfan II	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	2.4	24
Endosulfan sulfate	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	2.4	24
Endrin	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.014	11
Endrin aldehyde	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	NS	NS
Endrin ketone	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	NS	NS
gamma-BHC (Lindane)	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.1	1.3
gamma-Chlordane	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	NS	NS
Heptachlor	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	0.042	2.1
Heptachlor epoxide	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0017	U	0.0018	U	NS	NS
Methoxychlor	0.0095	U	0.0090	U	0.0089	U	0.0090	U	0.0089	U	0.0088	U	0.0089	U	0.0086	U	0.0087	U	0.0090	U	NS	NS
Toxaphene	0.097	U	0.091	U	0.090	U	0.091	U	0.090	U	0.089	U	0.090	U	0.087	U	0.088	U	0.091	U	NS	NS
Total PCBs	0.019	U	0.018	U	0.018	U	0.018	U	**0.068**		0.018	U	0.018	U	0.017	U	0.018	U	0.018	U	0.1	1

NOTES:
Q is the Qualifier Column with definitions as follows:
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO

Table 4

Soil Samples Analytical Results for Metals

555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	SP-10 0'-2'		SP-10 10'-12'		SP-11 0'-2'		SP-11 10'-12'		SP-12 0-2'		SP-12 2'-4'		SP-13 0-2'		SP-13 2'-4'		SP-14 0-2		SP-14 2-4		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Restricted Residential
Sampling Date	11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/25/2014		11/26/2014		11/26/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
Aluminum	**10,800**		**6,460**		**10,700**		**10,600**		**9,890**		**8,770**		**10,100**		**8,230**		**8,670**		**10,600**		NS	NS
Antimony	0.58	U	0.55	U	0.54	U	0.56		0.54		0.53	U	0.54	U	0.52	U	0.53	U	0.55	U	NS	NS
Arsenic	**3.12**		**3.99**		**4.69**		**1.72**		**6.16**		**3.26**		**4.08**		**2.66**		**3.20**		**5.77**		13	16
Barium	**55.80**		**16.20**		**82.80**		**60.80**		**94.50**		**49.60**		**58.90**		**59**		**62.60**		**64.90**		350	400
Beryllium	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.10	U	0.11	U	0.11	U	7.2	72
Cadmium	0.35	U	0.33	U	0.32	U	0.33	U	0.32	U	0.32	U	0.32	U	0.31	U	0.32	U	0.33	U	2.5	4.3
Calcium	**379**		**252**		**7,840**		**1,640**		**4,340**		**1,760**		**19,300**		**673**		**1,540**		**3,630**		NS	NS
Chromium	**13.70**		**11.40**		**19.20**		**18.30**		**20.20**		**31.10**		**17.20**		**15.50**		**14.20**		**20.80**		NS	NS
Chromium, Hexavalent	0.58	U	0.55	U	0.54	U	0.55	U	0.54	U	0.53	U	0.54	U	0.52	U	0.53	U	0.55	U	1	110
Chromium, Trivalent	**13.70**		**11.40**		**19.20**		**18.30**		**20.20**		**31.10**		**17.20**		**15.50**		**14.20**		**20.80**		30	180
Cobalt	**7.80**		**3.73**		**7.81**		**8.73**		**9.25**		**10.90**		**8.36**		**10.50**		**6.94**		**8.95**		NS	NS
Copper	**17.60**		**6.69**		**28.70**		**25.90**		**63.60**		**28.10**		**29.10**		**18.10**		**23.40**		**27.50**		50	270
Iron	**15,000**		**9,950**		**19,600**		**18,300**		**24,000**		**17,300**		**19,200**		**21,100**		**15,000**		**20,700**		NS	NS
Lead	**110**		**4.23**		**91**		**8.08**		**216**		**7.61**		**84.50**		**6.51**		**63.50**		**66.90**		63	400
Magnesium	**1,920**		**1,710**		**3,140**		**3,040**		**3,610**		**3,640**		**3,670**		**3,050**		**2,910**		**3,940**		NS	NS
Manganese	**463**		**91.50**		**405**		**323**		**424**		**373**		**449**		**998**		**321**		**458**		1600	2000
Mercury	**0.17**		0.033	U	**0.10**		0.033	U	**0.74**		0.032	U	**0.11**		0.031	U	**0.44**		**0.40**		0.18	0.81
Nickel	**13.90**		**12**		**22.50**		**31.80**		**24.60**		**55.10**		**22.50**		**22.10**		**32**		**33.20**		30	310
Potassium	**608**		**611**		**1,300**		**1,250**		**968**		**1,440**		**1,220**		**926**		**981**		**1,330**		NS	NS
Selenium	**3.08**		**2.40**		**4.08**		**3.64**		**5.45**		**4.78**		**4.74**		**6.08**		**4.92**		**5.12**		3.9	180
Silver	0.58	U	0.55	U	0.54	U	0.55	U	0.54	U	0.53	U	0.54	U	0.52	U	0.53	U	0.55	U	2	180
Sodium	11.60	U	10.90	U	**181**		**34.80**		**58.40**		**101**		**179**		**57.40**		**113**		**193**		NS	NS
Thallium	1.16	U	1.09	U	1.08	U	1.09	U	1.08	U	1.07	U	1.08	U	1.04	U	1.06	U	1.09	U	NS	NS
Vanadium	**21.10**		**15**		**31.30**		**26.60**		**29.90**		**27.20**		**28.80**		**22.90**		**25**		**31.40**		NS	NS
Zinc	**63.20**		**41**		**93.60**		**41.50**		**158**		**39.90**		**58.50**		**45.30**		**52.30**		**67.20**		109	10,000

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Grey shaded values represent concentration exceeding Unrestricted Use SCO

Table 5

Blank Analytical Results for VOCs

555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	Field Blank		Trip Blank	
Sampling Date	11/25/2014		11/25/2014	
Client Matrix	Water		Water	
Compound	Result		Result	
Units	ug/L	Q	ug/L	Q
1,1,1,2-Tetrachloroethane	2.50	U	2.50	U
1,1,1-Trichloroethane	2.50	U	2.50	U
1,1,2,2-Tetrachloroethane	2.50	U	2.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.50	U	2.50	U
1,1,2-Trichloroethane	2.50	U	2.50	U
1,1-Dichloroethane	2.50	U	2.50	U
1,1-Dichloroethylene	2.50	U	2.50	U
1,1-Dichloropropylene	2.50	U	2.50	U
1,2,3-Trichlorobenzene	2.50	U	2.50	U
1,2,3-Trichloropropane	2.50	U	2.50	U
1,2,4-Trichlorobenzene	2.50	U	2.50	U
1,2,4-Trimethylbenzene	2.50	U	2.50	U
1,2-Dibromo-3-chloropropane	2.50	U	2.50	U
1,2-Dibromoethane	2.50	U	2.50	U
1,2-Dichlorobenzene	2.50	U	2.50	U
1,2-Dichloroethane	2.50	U	2.50	U
1,2-Dichloropropane	2.50	U	2.50	U
1,3,5-Trimethylbenzene	2.50	U	2.50	U
1,3-Dichlorobenzene	2.50	U	2.50	U
1,3-Dichloropropane	2.50	U	2.50	U
1,4-Dichlorobenzene	2.50	U	2.50	U
2,2-Dichloropropane	2.50	U	2.50	U
2-Butanone	2.50	U	2.50	U
2-Chlorotoluene	2.50	U	2.50	U
4-Chlorotoluene	2.50	U	2.50	U
Acetone	5	U	5	U
Benzene	2.50	U	2.50	U
Bromobenzene	2.50	U	2.50	U
Bromochloromethane	2.50	U	2.50	U
Bromodichloromethane	2.50	U	2.50	U
Bromoform	2.50	U	2.50	U
Bromomethane	2.50	U	2.50	U
Carbon tetrachloride	2.50	U	2.50	U
Chlorobenzene	2.50	U	2.50	U
Chloroethane	2.50	U	2.50	U
Chloroform	2.50	U	2.50	U
Chloromethane	2.50	U	2.50	U
cis-1,2-Dichloroethylene	2.50	U	2.50	U
cis-1,3-Dichloropropylene	2.50	U	2.50	U
Dibromochloromethane	2.50	U	2.50	U
Dibromomethane	2.50	U	2.50	U
Dichlorodifluoromethane	2.50	U	2.50	U
Ethyl Benzene	2.50	U	2.50	U
Hexachlorobutadiene	2.50	U	2.50	U
Isopropylbenzene	2.50	U	2.50	U
Methyl tert-butyl ether (MTBE)	2.50	U	2.50	U
Methylene chloride	**4.20**	**JB**	**3.70**	**JB**
Naphthalene	2.50	U	2.50	U
n-Butylbenzene	2.50	U	2.50	U
n-Propylbenzene	2.50	U	2.50	U
o-Xylene	2.50	U	2.50	U
p- & m- Xylenes	5	U	5	U
p-Isopropyltoluene	2.50	U	2.50	U
sec-Butylbenzene	2.50	U	2.50	U
Styrene	2.50	U	2.50	U
tert-Butylbenzene	2.50	U	2.50	U
Tetrachloroethylene	2.50	U	2.50	U
Toluene	2.50	U	2.50	U
trans-1,2-Dichloroethylene	2.50	U	2.50	U
trans-1,3-Dichloropropylene	2.50	U	2.50	U
Trichloroethylene	2.50	U	2.50	U
Trichlorofluoromethane	2.50	U	2.50	U
Vinyl acetate	2.50	U	2.50	U
Vinyl Chloride	2.50	U	2.50	U
Xylenes, Total	7.50	U	7.50	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

Table 6

Blank Analytical Results for SVOCs

555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	11/25/2014	
Client Matrix	Water	
Compound	Result	
Units	ug/L	Q
1,2,4-Trichlorobenzene	2.63	U
1,2-Dichlorobenzene	2.63	U
1,3-Dichlorobenzene	2.63	U
1,4-Dichlorobenzene	2.63	U
2,4,5-Trichlorophenol	2.63	U
2,4,6-Trichlorophenol	2.63	U
2,4-Dichlorophenol	2.63	U
2,4-Dimethylphenol	2.63	U
2,4-Dinitrophenol	2.63	U
2,4-Dinitrotoluene	2.63	U
2,6-Dinitrotoluene	2.63	U
2-Chloronaphthalene	2.63	U
2-Chlorophenol	2.63	U
2-Methylnaphthalene	2.63	U
2-Methylphenol	2.63	U
2-Nitroaniline	2.63	U
2-Nitrophenol	2.63	U
3- & 4-Methylphenols	2.63	U
3,3'-Dichlorobenzidine	2.63	U
3-Nitroaniline	2.63	U
4,6-Dinitro-2-methylphenol	2.63	U
4-Bromophenyl phenyl ether	2.63	U
4-Chloro-3-methylphenol	2.63	U
4-Chloroaniline	2.63	U
4-Chlorophenyl phenyl ether	2.63	U
4-Nitroaniline	2.63	U
4-Nitrophenol	2.63	U
Acenaphthene	0.053	U
Acenaphthylene	0.053	U
Aniline	2.63	U
Anthracene	0.053	U
Benzo(a)anthracene	0.053	U
Benzo(a)pyrene	0.053	U
Benzo(b)fluoranthene	0.053	U
Benzo(g,h,i)perylene	0.053	U
Benzo(k)fluoranthene	0.053	U
Benzyl alcohol	2.63	U
Benzyl butyl phthalate	2.63	U
Bis(2-chloroethoxy)methane	2.63	U
Bis(2-chloroethyl)ether	2.63	U
Bis(2-chloroisopropyl)ether	2.63	U
Bis(2-ethylhexyl)phthalate	0.53	U
Chrysene	0.053	U
Dibenzo(a,h)anthracene	0.053	U
Dibenzofuran	2.63	U
Diethyl phthalate	2.63	U
Dimethyl phthalate	2.63	U
Di-n-butyl phthalate	2.63	U
Di-n-octyl phthalate	2.63	U
Fluoranthene	0.053	U
Fluorene	0.053	U
Hexachlorobenzene	0.021	U
Hexachlorobutadiene	0.53	U
Hexachlorocyclopentadiene	2.63	U
Hexachloroethane	0.53	U
Indeno(1,2,3-cd)pyrene	0.053	U
Isophorone	2.63	U
Naphthalene	0.053	U
Nitrobenzene	0.26	U
N-Nitrosodimethylamine	0.53	U
N-nitroso-di-n-propylamine	2.63	U
N-Nitrosodiphenylamine	2.63	U
Pentachlorophenol	0.26	U
Phenanthrene	0.053	U
Phenol	2.63	U
Pyrene	0.053	U
Pyridine	2.63	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NT=this indicates the analyte was not a target for this sample

Table 7

Blank Analytical Results for Pesticides and PCBs

555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	11/25/2014	
Client Matrix	Water	
Compound	Result	
Units	ug/L	Q
4,4'-DDD	0.0042	U
4,4'-DDE	0.0042	U
4,4'-DDT	0.0042	U
Aroclor 1016	0.053	U
Aroclor 1221	0.053	U
Aroclor 1232	0.053	U
Aroclor 1242	0.053	U
Aroclor 1248	0.053	U
Aroclor 1254	0.053	U
Aroclor 1260	0.053	U
Aldrin	0.0042	U
alpha-BHC	0.0042	U
alpha-Chlordane	0.0042	U
beta-BHC	0.0042	U
Chlordane, total	0.042	U
delta-BHC	0.0042	U
Dieldrin	0.0021	U
Endosulfan I	0.0042	U
Endosulfan II	0.0042	U
Endosulfan sulfate	0.0042	U
Endrin	0.0042	U
Endrin aldehyde	0.011	U
Endrin ketone	0.011	U
gamma-BHC (Lindane)	0.0042	U
gamma-Chlordane	0.011	U
Heptachlor	0.0042	U
Heptachlor epoxide	0.0042	U
Methoxychlor	0.0042	U
Toxaphene	0.11	U
Total PCBs	0.053	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

Table 8

Blank Analytical Results for Metals

555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	11/25/2014	
Client Matrix	Water	
Compound	Result	
Units	ug/L	Q
Aluminum	10	U
Antimony	5	U
Arsenic	4	U
Barium	10	U
Beryllium	1	U
Cadmium	3	U
Calcium	**114**	
Chromium	5	U
Chromium, Hexavalent	10	U
Chromium, Trivalent	10	U
Cobalt	5	U
Copper	**3**	
Iron	**148**	
Lead	3	U
Magnesium	50	U
Manganese	5	U
Mercury	0.20	U
Nickel	5	U
Potassium	50	U
Selenium	10	U
Silver	5	U
Sodium	100	U
Thallium	5	U
Vanadium	10	U
Zinc	**41**	

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NT=this indicates the analyte was not a target for this sample

Table 9
Soil Vapor Analytical Results for VOCs
555 Waverly Avenue (Tax Block 2012, Lots 71, 70 & 69), Brooklyn, NY

Sample ID	SV-4		SV-5		SV-6	
Sampling Date	11/26/2014		11/26/2014		11/26/2014	
Client Matrix	Soil Vapor		Soil Vapor		Soil Vapor	
Compound	Result		Result		Result	
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q
1,1,1-Trichloroethane	6.90	U	6.10	U	1.40	U
1,1,2,2-Tetrachloroethane	8.60	U	7.70	U	1.80	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	U	8.60	U	2	U
1,1,2-Trichloroethane	6.90	U	6.10	U	1.40	U
1,1-Dichloroethane	5.10	U	4.50	U	1.10	U
1,1-Dichloroethylene	5	U	4.40	U	1.10	U
1,2,4-Trichlorobenzene	9.40	U	8.30	U	2	U
1,2,4-Trimethylbenzene	**15**	**D**	**18**	**D**	**12**	**D**
1,2-Dibromoethane	9.70	U	8.60	U	2	U
1,2-Dichlorobenzene	7.60	U	6.70	U	1.60	U
1,2-Dichloroethane	5.10	U	4.50	U	1.10	U
1,2-Dichloropropane	5.80	U	5.20	U	1.20	U
1,2-Dichlorotetrafluoroethane	8.80	U	7.80	U	1.90	U
1,3,5-Trimethylbenzene	6.20	U	**7.70**	**D**	**3**	**D**
1,3-Butadiene	5.50	U	4.90	U	1.20	U
1,3-Dichlorobenzene	7.60	U	6.70	U	1.60	U
1,4-Dichlorobenzene	7.60	U	6.70	U	1.60	U
1,4-Dioxane	4.50	U	4	U	0.96	U
2-Butanone	**29**	**D**	**16**	**D**	**4.70**	**D**
2-Hexanone	10	U	9.20	U	2.20	U
4-Methyl-2-pentanone	5.20	U	**11**	**D**	1.10	U
Acetone	**470**	**D**	**260**	**D**	**43**	**D**
Benzene	4	U	**3.90**	**D**	**6.40**	**D**
Benzyl chloride	6.50	U	5.80	U	1.40	U
Bromodichloromethane	7.80	U	7	U	1.60	U
Bromoform	13	U	12	U	2.70	U
Bromomethane	4.90	U	4.30	U	1	U
Carbon disulfide	**4.70**	**D**	3.50	U	0.83	U
Carbon tetrachloride	2	U	1.80	U	0.42	U
Chlorobenzene	5.80	U	5.20	U	1.20	U
Chloroethane	3.30	U	3	U	0.70	U
Chloroform	**11**	**D**	5.50	U	**1.80**	**D**
Chloromethane	2.60	U	2.30	U	0.55	U
cis-1,2-Dichloroethylene	5	U	4.40	U	1.10	U
cis-1,3-Dichloropropylene	5.70	U	5.10	U	1.20	U
Cyclohexane	4.30	U	3.90	U	**3.20**	**D**
Dibromochloromethane	10	U	9	U	2.10	U
Dichlorodifluoromethane	6.20	U	5.50	U	**2.40**	**D**
Ethyl acetate	9.10	U	8.10	U	1.90	U
Ethyl Benzene	**8.20**	**D**	**7.80**	**D**	**8.20**	**D**
Hexachlorobutadiene	13	U	12	U	2.80	U
Isopropanol	**50**	**D**	**22**	**D**	**31**	**D**
Methyl Methacrylate	5.20	U	4.60	U	1.10	U
Methyl tert-butyl ether (MTBE)	4.50	U	4	U	0.95	U
Methylene chloride	8.80	U	**12**	**D**	**26**	**D**
n-Heptane	5.20	U	**5**	**D**	**5.80**	**D**
n-Hexane	4.40	U	**4.30**	**D**	**14**	**D**
o-Xylene	**13**	**D**	**13**	**D**	**11**	**D**
p- & m- Xylenes	**35**	**D**	**34**	**D**	**33**	**D**
p-Ethyltoluene	**14**	**D**	**21**	**D**	**11**	**D**
Propylene	2.20	U	1.90	U	0.46	U
Styrene	5.40	U	4.80	U	1.10	U
Tetrachloroethylene	**12**	**D**	**9.10**	**D**	**0.90**	**D**
Tetrahydrofuran	**3.70**	**D**	3.30	U	**4.40**	**D**
Toluene	**36**	**D**	**550**	**D**	**34**	**D**
trans-1,2-Dichloroethylene	5	U	4.40	U	1.10	U
trans-1,3-Dichloropropylene	5.70	U	5.10	U	1.20	U
Trichloroethylene	1.70	U	**1.50**	U	**1.30**	**D**
Trichlorofluoromethane (Freon 11)	**12**	**D**	**9.40**	**D**	**2.10**	**D**
Vinyl acetate	4.40	U	3.90	U	0.93	U
Vinyl Chloride	0.81	U	0.72	U	0.17	U

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Holly Hawkins

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0984

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0984

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Holly Hawkins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 26, 2014 and listed below. The project was identified as your project: **140127**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14K0984-01	SP-12 0-2'	Soil	11/25/2014	11/26/2014
14K0984-02	SP-12 2'-4'	Soil	11/25/2014	11/26/2014
14K0984-03	SP-13 0-2'	Soil	11/25/2014	11/26/2014
14K0984-04	SP-13 2'-4'	Soil	11/25/2014	11/26/2014
14K0984-05	Field Blank	Water	11/25/2014	11/26/2014
14K0984-06	Trip Blank	Water	11/25/2014	11/26/2014

General Notes for York Project (SDG) No.: 14K0984

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 12/04/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-12 0-2'** **York Sample ID:** **14K0984-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	29	57	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
67-64-1	**Acetone**	**7.9**	CCV-E	ug/kg dry	2.9	5.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
71-43-2	Benzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS

Sample Information

Client Sample ID: **SP-12 0-2'** **York Sample ID:** **14K0984-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
67-66-3	Chloroform	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-09-2	**Methylene chloride**	**7.1**	B	ug/kg dry	2.9	5.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.4	5.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
100-42-5	Styrene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
108-88-3	Toluene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.4	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 04:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.5 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*

Sample Information

Client Sample ID: **SP-12 0-2'** **York Sample ID:** **14K0984-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**192**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
208-96-8	**Acenaphthylene**	**79.9**	J	ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
62-53-3	Aniline	ND		ug/kg dry	180	361	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
120-12-7	**Anthracene**	**737**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
56-55-3	**Benzo(a)anthracene**	**1910**	CCV-E	ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
50-32-8	**Benzo(a)pyrene**	**1010**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
205-99-2	**Benzo(b)fluoranthene**	**1020**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
191-24-2	**Benzo(g,h,i)perylene**	**526**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
207-08-9	**Benzo(k)fluoranthene**	**978**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
218-01-9	**Chrysene**	**1230**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
53-70-3	**Dibenzo(a,h)anthracene**	**287**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
132-64-9	**Dibenzofuran**	**130**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
84-74-2	**Di-n-butyl phthalate**	**105**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH

Sample Information

Client Sample ID: **SP-12 0-2'** **York Sample ID:** **14K0984-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
206-44-0	**Fluoranthene**	**3900**		ug/kg dry	113	225	5	EPA 8270D	12/01/2014 06:09	12/02/2014 15:17	KH
86-73-7	**Fluorene**	**184**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**523**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.1	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
85-01-8	**Phenanthrene**	**2080**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
108-95-2	Phenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
129-00-0	**Pyrene**	**2230**		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
110-86-1	Pyridine	ND		ug/kg dry	180	361	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.1	2	EPA 8270D	12/01/2014 06:09	12/01/2014 18:04	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*74.6 %*		*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*96.3 %*		*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*72.0 %*		*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*80.8 %*		*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*117 %*	S-08	*10-106*

Sample Information

Client Sample ID: SP-12 0-2'

York Sample ID: 14K0984-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*88.5 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.3	71.3	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.91	8.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.2	90.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:32	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.0 %*	*30-140*

Sample Information

Client Sample ID: **SP-12 0-2'** **York Sample ID:** **14K0984-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC
1336-36-3	*** Total PCBs**	**0.0680**	A-01	mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 22:59	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9890**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-36-0	**Antimony**	**0.540**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-38-2	**Arsenic**	**6.16**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-39-3	**Barium**	**94.5**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.324	0.324	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-70-2	**Calcium**	**4340**		mg/kg dry	0.540	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-47-3	**Chromium**	**20.2**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-48-4	**Cobalt**	**9.25**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-50-8	**Copper**	**63.6**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7439-89-6	**Iron**	**24000**		mg/kg dry	2.16	2.16	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7439-92-1	**Lead**	**216**		mg/kg dry	0.324	0.324	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7439-95-4	**Magnesium**	**3610**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7439-96-5	**Manganese**	**424**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-02-0	**Nickel**	**24.6**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-09-7	**Potassium**	**968**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7782-49-2	**Selenium**	**5.45**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-23-5	**Sodium**	**58.4**		mg/kg dry	10.8	10.8	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW
7440-62-2	**Vanadium**	**29.9**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW

Sample Information

Client Sample ID: SP-12 0-2' **York Sample ID:** 14K0984-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**158**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:28	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.735**		mg/kg dry	0.0324	0.0324	1	EPA 7473	12/01/2014 07:02	12/01/2014 11:11	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.6**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.378	0.540	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**20.2**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:13	PAM

Sample Information

Client Sample ID: SP-12 2'-4' **York Sample ID:** 14K0984-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS

Sample Information

Client Sample ID: SP-12 2'-4'

York Sample ID: 14K0984-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	39	78	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
67-64-1	Acetone	ND		ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS

Sample Information

Client Sample ID: SP-12 2'-4'

York Sample ID: 14K0984-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-09-2	**Methylene chloride**	**6.0**	J, B	ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.0	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.9	12	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:18	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.3 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.9 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Sample Information

Client Sample ID: **SP-12 2'-4'** **York Sample ID:** **14K0984-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
62-53-3	Aniline	ND		ug/kg dry	89.1	178	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
120-12-7	Anthracene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
218-01-9	Chrysene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
84-74-2	**Di-n-butyl phthalate**	**51.2**		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH

Sample Information

Client Sample ID: **SP-12 2'-4'** **York Sample ID:** **14K0984-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
86-73-7	Fluorene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
78-59-1	Isophorone	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
91-20-3	Naphthalene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	44.5	88.9	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
108-95-2	Phenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
129-00-0	Pyrene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
110-86-1	Pyridine	ND		ug/kg dry	89.1	178	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.3	44.5	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:34	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*79.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*87.3 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*83.2 %*	*10-119*

Sample Information

Client Sample ID: SP-12 2'-4'

York Sample ID: 14K0984-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*80.1 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*106 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*84.6 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.4	70.4	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.80	8.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.1	89.1	5	EPA 8081B	12/02/2014 17:12	12/03/2014 12:48	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.4 %*	*30-140*

Sample Information

Client Sample ID: **SP-12 2'-4'** **York Sample ID:** **14K0984-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:28	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8770**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-36-0	Antimony	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-38-2	**Arsenic**	**3.26**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-39-3	**Barium**	**49.6**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.320	0.320	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-70-2	**Calcium**	**1760**		mg/kg dry	0.533	5.33	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-47-3	**Chromium**	**31.1**		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-48-4	**Cobalt**	**10.9**		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-50-8	**Copper**	**28.1**		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7439-89-6	**Iron**	**17300**		mg/kg dry	2.13	2.13	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7439-92-1	**Lead**	**7.61**		mg/kg dry	0.320	0.320	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7439-95-4	**Magnesium**	**3640**		mg/kg dry	5.33	5.33	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7439-96-5	**Manganese**	**373**		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-02-0	**Nickel**	**55.1**		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-09-7	**Potassium**	**1440**		mg/kg dry	5.33	5.33	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7782-49-2	**Selenium**	**4.78**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-22-4	Silver	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-23-5	**Sodium**	**101**		mg/kg dry	10.7	10.7	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW
7440-62-2	**Vanadium**	**27.2**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW

Sample Information

Client Sample ID: SP-12 2'-4' **York Sample ID:** 14K0984-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:00 am	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**39.9**		mg/kg dry	1.07	1.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:32	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0320	0.0320	1	EPA 7473	12/01/2014 07:02	12/01/2014 11:24	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.7**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.373	0.533	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**31.1**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:13	PAM

Sample Information

Client Sample ID: SP-13 0-2' **York Sample ID:** 14K0984-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS

Sample Information

Client Sample ID: SP-13 0-2'

York Sample ID: 14K0984-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	27	54	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
67-64-1	Acetone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS

Sample Information

Client Sample ID: **SP-13 0-2'** **York Sample ID:** **14K0984-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-09-2	**Methylene chloride**	**4.9**	J, B	ug/kg dry	2.7	5.4	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	5.4	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
100-42-5	Styrene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
108-88-3	Toluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	12/02/2014 17:12	12/03/2014 05:54	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Sample Information

Client Sample ID: **SP-13 0-2'** **York Sample ID:** **14K0984-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
62-53-3	Aniline	ND		ug/kg dry	90.3	181	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
120-12-7	**Anthracene**	**45.8**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
56-55-3	**Benzo(a)anthracene**	**45.8**	CCV-E	ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
50-32-8	**Benzo(a)pyrene**	**55.5**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
205-99-2	**Benzo(b)fluoranthene**	**43.6**	J	ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
191-24-2	**Benzo(g,h,i)perylene**	**38.9**	J	ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
207-08-9	**Benzo(k)fluoranthene**	**43.2**	J	ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
218-01-9	**Chrysene**	**67.4**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
84-74-2	**Di-n-butyl phthalate**	**50.1**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH

Sample Information

Client Sample ID: **SP-13 0-2'** **York Sample ID:** **14K0984-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
206-44-0	**Fluoranthene**	**172**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
86-73-7	Fluorene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**37.8**	J	ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
78-59-1	Isophorone	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
91-20-3	Naphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.1	90.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
85-01-8	**Phenanthrene**	**177**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
108-95-2	Phenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
129-00-0	**Pyrene**	**114**		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
110-86-1	Pyridine	ND		ug/kg dry	90.3	181	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	12/01/2014 06:09	12/01/2014 16:33	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*81.8 %*		*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*88.3 %*		*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*81.3 %*		*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*75.4 %*		*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*115 %*	S-08	*10-106*

Sample Information

Client Sample ID: **SP-13 0-2'** **York Sample ID:** **14K0984-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*91.5 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.3	71.3	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.92	8.92	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.3	90.3	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:04	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*49.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.3 %*	*30-140*

Sample Information

Client Sample ID: **SP-13 0-2'** **York Sample ID:** **14K0984-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/03/2014 23:58	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.3 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10100**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-36-0	Antimony	ND		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-38-2	**Arsenic**	**4.08**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-39-3	**Barium**	**58.9**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.324	0.324	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-70-2	**Calcium**	**19300**		mg/kg dry	0.540	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-47-3	**Chromium**	**17.2**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-48-4	**Cobalt**	**8.36**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-50-8	**Copper**	**29.1**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7439-89-6	**Iron**	**19200**		mg/kg dry	2.16	2.16	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7439-92-1	**Lead**	**84.5**		mg/kg dry	0.324	0.324	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7439-95-4	**Magnesium**	**3670**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7439-96-5	**Manganese**	**449**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-02-0	**Nickel**	**22.5**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-09-7	**Potassium**	**1220**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7782-49-2	**Selenium**	**4.74**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-22-4	Silver	ND		mg/kg dry	0.540	0.540	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-23-5	**Sodium**	**179**		mg/kg dry	10.8	10.8	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW
7440-62-2	**Vanadium**	**28.8**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW

Sample Information

Client Sample ID: SP-13 0-2' **York Sample ID:** 14K0984-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**58.5**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:50	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.110**		mg/kg dry	0.0324	0.0324	1	EPA 7473	12/01/2014 07:02	12/01/2014 11:32	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.5**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.378	0.540	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.2**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:13	PAM

Sample Information

Client Sample ID: SP-13 2'-4' **York Sample ID:** 14K0984-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	39	78	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
67-64-1	**Acetone**	**8.9**	CCV-E	ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
71-43-2	Benzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-09-2	**Methylene chloride**	**7.9**	B	ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.9	7.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
100-42-5	Styrene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
108-88-3	Toluene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.8	12	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	3.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 06:30	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.4 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.1 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
62-53-3	Aniline	ND		ug/kg dry	86.5	173	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
120-12-7	Anthracene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
218-01-9	Chrysene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
84-74-2	**Di-n-butyl phthalate**	**48.0**		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
86-73-7	Fluorene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
78-59-1	Isophorone	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	43.2	86.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
108-95-2	Phenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
129-00-0	Pyrene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
110-86-1	Pyridine	ND		ug/kg dry	86.5	173	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.7	43.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 17:03	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*72.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*76.3 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*71.4 %*	*10-119*

Sample Information

Client Sample ID: SP-13 2'-4'

York Sample ID: 14K0984-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*65.8 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*95.1 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*81.7 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
309-00-2	Aldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
57-74-9	Chlordane, total	ND		ug/kg dry	68.4	68.4	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
72-20-8	Endrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.71	1.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.55	8.55	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW
8001-35-2	Toxaphene	ND		ug/kg dry	86.5	86.5	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:20	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.3 %*	*30-140*

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	0.0173	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:27	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8230**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-36-0	Antimony	ND		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-38-2	**Arsenic**	**2.66**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-39-3	**Barium**	**59.0**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.311	0.311	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-70-2	**Calcium**	**673**		mg/kg dry	0.518	5.18	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-47-3	**Chromium**	**15.5**		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-48-4	**Cobalt**	**10.5**		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-50-8	**Copper**	**18.1**		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7439-89-6	**Iron**	**21100**		mg/kg dry	2.07	2.07	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7439-92-1	**Lead**	**6.51**		mg/kg dry	0.311	0.311	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7439-95-4	**Magnesium**	**3050**		mg/kg dry	5.18	5.18	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7439-96-5	**Manganese**	**998**		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-02-0	**Nickel**	**22.1**		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-09-7	**Potassium**	**926**		mg/kg dry	5.18	5.18	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7782-49-2	**Selenium**	**6.08**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-22-4	Silver	ND		mg/kg dry	0.518	0.518	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-23-5	**Sodium**	**57.4**		mg/kg dry	10.4	10.4	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW
7440-62-2	**Vanadium**	**22.9**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW

Sample Information

Client Sample ID: **SP-13 2'-4'** **York Sample ID:** **14K0984-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Soil	November 25, 2014 11:30 am	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**45.3**		mg/kg dry	1.04	1.04	1	EPA 6010C	12/03/2014 14:08	12/03/2014 21:55	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0311	0.0311	1	EPA 7473	12/01/2014 07:02	12/01/2014 11:41	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**96.5**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.363	0.518	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.5**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:13	PAM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-09-2	**Methylene chloride**	**4.2**	J, B	ug/L	2.5	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 18:38	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*65-135*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.6 %*	*81-114*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*86-118*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	12/02/2014 06:49	12/02/2014 18:11	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/02/2014 06:49	12/02/2014 19:11	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*32.9 %*	*10-47*
4165-62-2	*Surrogate: Phenol-d5*	*24.0 %*	*10-37*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.5 %*	*10-109*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*56.5 %*			*10-97*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*60.2 %*			*10-112*						
1718-51-0	*Surrogate: Terphenyl-d14*	*75.1 %*			*10-137*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
309-00-2	Aldrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
319-84-6	alpha-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
319-85-7	beta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
57-74-9	Chlordane, total	ND		ug/L	0.0421	0.0421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0105	0.0105	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
319-86-8	delta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
60-57-1	Dieldrin	ND		ug/L	0.00211	0.00211	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
959-98-8	Endosulfan I	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
72-20-8	Endrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	0.0105	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0105	0.0105	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
76-44-8	Heptachlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
72-43-5	Methoxychlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW
8001-35-2	Toxaphene	ND		ug/L	0.105	0.105	1	EPA 8081B	12/02/2014 07:00	12/03/2014 13:52	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.8 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*	*30-120*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A	12/02/2014 07:00	12/03/2014 13:16	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.5 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-70-2	**Calcium**	**0.114**		mg/L	0.050	0.050	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-50-8	**Copper**	**0.003**		mg/L	0.003	0.003	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7439-89-6	**Iron**	**0.148**		mg/L	0.020	0.020	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-09-7	Potassium	ND		mg/L	0.050	0.050	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-23-5	Sodium	ND		mg/L	0.100	0.100	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14K0984-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 11:00 am	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW
7440-66-6	**Zinc**	**0.041**		mg/L	0.010	0.010	1	EPA 6010C	12/03/2014 14:13	12/04/2014 02:29	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	12/01/2014 07:11	12/01/2014 12:17	ALD

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	11/26/2014 17:06	11/26/2014 17:11	AA

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	12/04/2014 17:16	12/04/2014 17:17	PAM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14K0984-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14K0984-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14K0984-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0984	140127	Water	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-09-2	**Methylene chloride**	**3.7**	J, B	ug/L	2.5	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	12/03/2014 08:14	12/03/2014 19:22	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*65-135*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.4 %*	*81-114*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*86-118*

Analytical Batch Summary

Batch ID: BK41278 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	11/26/14
BK41278-BLK1	Blank	11/26/14
BK41278-BS1	LCS	11/26/14

Batch ID: BL40002 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/01/14
14K0984-02	SP-12 2'-4'	12/01/14
14K0984-03	SP-13 0-2'	12/01/14
14K0984-04	SP-13 2'-4'	12/01/14
BL40002-BLK1	Blank	12/01/14
BL40002-BS1	LCS	12/01/14
BL40002-BSD1	LCS Dup	12/01/14

Batch ID: BL40007 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/01/14
14K0984-02	SP-12 2'-4'	12/01/14
14K0984-03	SP-13 0-2'	12/01/14
14K0984-04	SP-13 2'-4'	12/01/14
BL40007-BLK1	Blank	12/01/14
BL40007-SRM1	Reference	12/01/14

Batch ID: BL40009 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/01/14
BL40009-BLK1	Blank	12/01/14
BL40009-SRM1	Reference	12/01/14

Batch ID: BL40082 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/02/14
BL40082-BLK1	Blank	12/02/14
BL40082-BS1	LCS	12/02/14
BL40082-BSD1	LCS Dup	12/02/14

Batch ID: BL40084 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/02/14
14K0984-05	Field Blank	12/02/14
BL40084-BLK1	Blank	12/02/14
BL40084-BLK1	Blank	12/02/14
BL40084-BS1	LCS	12/02/14
BL40084-BS2	LCS	12/02/14
BL40084-BSD1	LCS Dup	12/02/14
BL40084-BSD2	LCS Dup	12/02/14

Batch ID: BL40117 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/02/14
14K0984-01	SP-12 0-2'	12/02/14
14K0984-02	SP-12 2'-4'	12/02/14
14K0984-02	SP-12 2'-4'	12/02/14
14K0984-03	SP-13 0-2'	12/02/14
14K0984-03	SP-13 0-2'	12/02/14
14K0984-04	SP-13 2'-4'	12/02/14
14K0984-04	SP-13 2'-4'	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BS1	LCS	12/02/14
BL40117-BS2	LCS	12/02/14
BL40117-BSD1	LCS Dup	12/02/14
BL40117-BSD2	LCS Dup	12/02/14

Batch ID: BL40144 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/02/14
14K0984-02	SP-12 2'-4'	12/02/14
14K0984-03	SP-13 0-2'	12/02/14
14K0984-04	SP-13 2'-4'	12/02/14
BL40144-BLK1	Blank	12/02/14
BL40144-BS1	LCS	12/02/14
BL40144-BSD1	LCS Dup	12/02/14

Batch ID: BL40180 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/03/14
14K0984-06	Trip Blank	12/03/14
BL40180-BLK1	Blank	12/03/14
BL40180-BS1	LCS	12/03/14
BL40180-BSD1	LCS Dup	12/03/14

Batch ID: BL40197 **Preparation Method:** % Solids Prep **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/03/14
14K0984-02	SP-12 2'-4'	12/03/14
14K0984-03	SP-13 0-2'	12/03/14
14K0984-04	SP-13 2'-4'	12/03/14

Batch ID: BL40206 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/03/14
14K0984-02	SP-12 2'-4'	12/03/14
14K0984-03	SP-13 0-2'	12/03/14
14K0984-04	SP-13 2'-4'	12/03/14
BL40206-BLK1	Blank	12/03/14
BL40206-SRM1	Reference	12/03/14

Batch ID: BL40207 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/03/14
BL40207-BLK1	Blank	12/03/14
BL40207-SRM1	Reference	12/03/14
BL40207-SRM2	Reference	12/03/14

Batch ID: BL40240 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/04/14
14K0984-02	SP-12 2'-4'	12/04/14
14K0984-03	SP-13 0-2'	12/04/14
14K0984-04	SP-13 2'-4'	12/04/14
BL40240-BLK1	Blank	12/04/14
BL40240-SRM1	Reference	12/04/14

Batch ID: BL40289 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-01	SP-12 0-2'	12/04/14
14K0984-02	SP-12 2'-4'	12/04/14
14K0984-03	SP-13 0-2'	12/04/14
14K0984-04	SP-13 2'-4'	12/04/14

Batch ID: BL40297 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
14K0984-05	Field Blank	12/04/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
Blank (BL40144-BLK1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	18	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
Blank (BL40144-BLK1)								Prepared & Analyzed: 12/02/2014			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*45.5*		*ug/L*	*50.0*		*91.0*	*77-125*				
Surrogate: p-Bromofluorobenzene	*46.7*		*"*	*50.0*		*93.3*	*76-130*				
Surrogate: Toluene-d8	*53.8*		*"*	*50.0*		*108*	*85-120*				
LCS (BL40144-BS1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	51.3		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	44.8		"	50.0		89.5	71-137				
1,1,2,2-Tetrachloroethane	56.2		"	50.0		112	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.6	58-146				
1,1,2-Trichloroethane	55.5		"	50.0		111	83-123				
1,1-Dichloroethane	50.8		"	50.0		102	75-130				
1,1-Dichloroethylene	47.1		"	50.0		94.2	64-137				
1,1-Dichloropropylene	46.6		"	50.0		93.2	77-127				
1,2,3-Trichlorobenzene	52.8		"	50.0		106	81-140				
1,2,3-Trichloropropane	52.2		"	50.0		104	81-126				
1,2,4-Trichlorobenzene	49.5		"	50.0		99.1	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	57.0		"	50.0		114	74-142				
1,2-Dibromoethane	53.5		"	50.0		107	86-123				
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122				
1,2-Dichloroethane	47.6		"	50.0		95.2	71-133				
1,2-Dichloropropane	56.2		"	50.0		112	81-122				
1,3,5-Trimethylbenzene	49.1		"	50.0		98.2	82-126				
1,3-Dichlorobenzene	50.5		"	50.0		101	84-124				
1,3-Dichloropropane	55.0		"	50.0		110	83-123				
1,4-Dichlorobenzene	51.5		"	50.0		103	84-124				
1,4-Dioxane	819		"	12500		6.55	10-228	Low Bias			
2,2-Dichloropropane	44.8		"	50.0		89.6	67-136				
2-Butanone	58.0		"	50.0		116	58-147				
2-Chlorotoluene	52.2		"	50.0		104	78-127				
4-Chlorotoluene	49.2		"	50.0		98.3	79-125				
Acetone	49.1		"	50.0		98.1	36-155				
Benzene	53.8		"	50.0		108	77-127				
Bromobenzene	52.3		"	50.0		105	77-129				
Bromochloromethane	53.7		"	50.0		107	74-129				
Bromodichloromethane	51.6		"	50.0		103	81-124				
Bromoform	54.3		"	50.0		109	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS (BL40144-BS1)							Prepared & Analyzed: 12/02/2014				
Bromomethane	51.9		ug/L	50.0		104	32-177				
Carbon tetrachloride	43.8		"	50.0		87.6	66-143				
Chlorobenzene	52.8		"	50.0		106	86-120				
Chloroethane	58.0		"	50.0		116	51-142				
Chloroform	47.1		"	50.0		94.1	76-131				
Chloromethane	53.2		"	50.0		106	49-132				
cis-1,2-Dichloroethylene	51.1		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129				
Dibromochloromethane	51.9		"	50.0		104	10-200				
Dibromomethane	53.5		"	50.0		107	83-124				
Dichlorodifluoromethane	34.9		"	50.0		69.8	28-158				
Ethyl Benzene	51.4		"	50.0		103	84-125				
Hexachlorobutadiene	49.6		"	50.0		99.1	83-133				
Isopropylbenzene	50.0		"	50.0		100	81-127				
Methyl tert-butyl ether (MTBE)	50.5		"	50.0		101	74-131				
Methylene chloride	54.9		"	50.0		110	57-141				
Naphthalene	53.9		"	50.0		108	86-141				
n-Butylbenzene	49.2		"	50.0		98.3	80-130				
n-Propylbenzene	49.5		"	50.0		98.9	74-136				
o-Xylene	51.0		"	50.0		102	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Isopropyltoluene	50.0		"	50.0		100	85-125				
sec-Butylbenzene	51.4		"	50.0		103	83-125				
Styrene	54.0		"	50.0		108	86-126				
tert-Butylbenzene	49.9		"	50.0		99.7	80-127				
Tetrachloroethylene	54.2		"	50.0		108	80-129				
Toluene	54.2		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	46.8		"	50.0		93.5	72-132				
trans-1,3-Dichloropropylene	50.8		"	50.0		102	78-132				
Trichloroethylene	53.4		"	50.0		107	84-123				
Trichlorofluoromethane	41.6		"	50.0		83.2	62-140				
Vinyl Chloride	49.3		"	50.0		98.5	52-130				
Vinyl acetate	44.6		"	50.0		89.1	67-136				
Surrogate: 1,2-Dichloroethane-d4	*44.1*		*"*	*50.0*		*88.3*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				
Surrogate: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS Dup (BL40144-BSD1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	52.6		ug/L	50.0		105	75-129		2.54	30	
1,1,1-Trichloroethane	48.8		"	50.0		97.7	71-137		8.76	30	
1,1,2,2-Tetrachloroethane	55.8		"	50.0		112	79-129		0.803	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.3		"	50.0		107	58-146		14.1	30	
1,1,2-Trichloroethane	56.8		"	50.0		114	83-123		2.30	30	
1,1-Dichloroethane	54.1		"	50.0		108	75-130		6.25	30	
1,1-Dichloroethylene	51.9		"	50.0		104	64-137		9.70	30	
1,1-Dichloropropylene	49.9		"	50.0		99.8	77-127		6.80	30	
1,2,3-Trichlorobenzene	51.5		"	50.0		103	81-140		2.57	30	
1,2,3-Trichloropropane	49.6		"	50.0		99.3	81-126		4.93	30	
1,2,4-Trichlorobenzene	50.3		"	50.0		101	80-141		1.50	30	
1,2,4-Trimethylbenzene	49.4		"	50.0		98.9	84-125		2.13	30	
1,2-Dibromo-3-chloropropane	52.5		"	50.0		105	74-142		8.26	30	
1,2-Dibromoethane	54.2		"	50.0		108	86-123		1.21	30	
1,2-Dichlorobenzene	54.0		"	50.0		108	85-122		1.81	30	
1,2-Dichloroethane	49.7		"	50.0		99.5	71-133		4.42	30	
1,2-Dichloropropane	58.6		"	50.0		117	81-122		4.18	30	
1,3,5-Trimethylbenzene	48.8		"	50.0		97.7	82-126		0.572	30	
1,3-Dichlorobenzene	51.1		"	50.0		102	84-124		1.18	30	
1,3-Dichloropropane	54.4		"	50.0		109	83-123		1.10	30	
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		1.41	30	
1,4-Dioxane	941		"	12500		7.53	10-228	Low Bias	13.9	30	
2,2-Dichloropropane	48.3		"	50.0		96.6	67-136		7.56	30	
2-Butanone	58.6		"	50.0		117	58-147		1.06	30	
2-Chlorotoluene	53.9		"	50.0		108	78-127		3.05	30	
4-Chlorotoluene	52.9		"	50.0		106	79-125		7.25	30	
Acetone	51.6		"	50.0		103	36-155		5.07	30	
Benzene	56.3		"	50.0		113	77-127		4.43	30	
Bromobenzene	52.2		"	50.0		104	77-129		0.153	30	
Bromochloromethane	46.2		"	50.0		92.3	74-129		15.0	30	
Bromodichloromethane	53.4		"	50.0		107	81-124		3.51	30	
Bromoform	52.2		"	50.0		104	80-136		3.83	30	
Bromomethane	53.0		"	50.0		106	32-177		2.12	30	
Carbon tetrachloride	47.6		"	50.0		95.1	66-143		8.21	30	
Chlorobenzene	53.2		"	50.0		106	86-120		0.660	30	
Chloroethane	56.8		"	50.0		114	51-142		2.11	30	
Chloroform	49.8		"	50.0		99.7	76-131		5.72	30	
Chloromethane	55.9		"	50.0		112	49-132		4.93	30	
cis-1,2-Dichloroethylene	53.9		"	50.0		108	74-132		5.35	30	
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129		0.0547	30	
Dibromochloromethane	54.0		"	50.0		108	10-200		3.87	30	
Dibromomethane	53.9		"	50.0		108	83-124		0.819	30	
Dichlorodifluoromethane	37.8		"	50.0		75.7	28-158		8.11	30	
Ethyl Benzene	52.6		"	50.0		105	84-125		2.44	30	
Hexachlorobutadiene	50.3		"	50.0		101	83-133		1.46	30	
Isopropylbenzene	49.5		"	50.0		99.1	81-127		0.904	30	
Methyl tert-butyl ether (MTBE)	53.3		"	50.0		107	74-131		5.47	30	
Methylene chloride	62.2		"	50.0		124	57-141		12.3	30	
Naphthalene	54.9		"	50.0		110	86-141		1.78	30	
n-Butylbenzene	49.1		"	50.0		98.2	80-130		0.183	30	
n-Propylbenzene	50.1		"	50.0		100	74-136		1.29	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS Dup (BL40144-BSD1)							Prepared & Analyzed: 12/02/2014				
o-Xylene	52.4		ug/L	50.0		105	83-123		2.81	30	
p- & m- Xylenes	103		"	100		103	82-128		2.47	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		2.90	30	
sec-Butylbenzene	52.7		"	50.0		105	83-125		2.53	30	
Styrene	53.8		"	50.0		108	86-126		0.520	30	
tert-Butylbenzene	51.8		"	50.0		104	80-127		3.82	30	
Tetrachloroethylene	55.7		"	50.0		111	80-129		2.71	30	
Toluene	55.6		"	50.0		111	85-121		2.57	30	
trans-1,2-Dichloroethylene	51.9		"	50.0		104	72-132		10.5	30	
trans-1,3-Dichloropropylene	51.6		"	50.0		103	78-132		1.68	30	
Trichloroethylene	55.1		"	50.0		110	84-123		3.26	30	
Trichlorofluoromethane	44.7		"	50.0		89.5	62-140		7.20	30	
Vinyl Chloride	50.8		"	50.0		102	52-130		3.10	30	
Vinyl acetate	45.9		"	50.0		91.9	67-136		3.05	30	
Surrogate: 1,2-Dichloroethane-d4	*45.8*		*"*	*50.0*		*91.7*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.5*	*76-130*				
Surrogate: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				
Batch BL40180 - EPA 5030B											
Blank (BL40180-BLK1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40180 - EPA 5030B											
Blank (BL40180-BLK1)								Prepared & Analyzed: 12/03/2014			
Bromomethane	ND	5.0	ug/L								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	4.1	10	"								
Naphthalene	3.0	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	2.5	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.2*	*65-135*				
Surrogate: p-Bromofluorobenzene	*46.1*		*"*	*50.0*		*92.2*	*81-114*				
Surrogate: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*86-118*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40180 - EPA 5030B											
LCS (BL40180-BS1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	50.2		ug/L	50.0		100	70-132				
1,1,1-Trichloroethane	50.0		"	50.0		100	68-138				
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	73-132				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.3		"	50.0		94.6	67-136				
1,1,2-Trichloroethane	51.3		"	50.0		103	79-125				
1,1-Dichloroethane	51.8		"	50.0		104	78-128				
1,1-Dichloroethylene	48.0		"	50.0		96.0	68-134				
1,1-Dichloropropylene	50.8		"	50.0		102	74-130				
1,2,3-Trichlorobenzene	46.1		"	50.0		92.2	77-140				
1,2,3-Trichloropropane	51.9		"	50.0		104	79-127				
1,2,4-Trichlorobenzene	45.5		"	50.0		91.0	75-141				
1,2,4-Trimethylbenzene	50.2		"	50.0		100	78-127				
1,2-Dibromo-3-chloropropane	61.4		"	50.0		123	60-150				
1,2-Dibromoethane	50.1		"	50.0		100	86-123				
1,2-Dichlorobenzene	48.5		"	50.0		97.0	79-125				
1,2-Dichloroethane	52.0		"	50.0		104	69-133				
1,2-Dichloropropane	49.9		"	50.0		99.8	76-124				
1,3,5-Trimethylbenzene	49.5		"	50.0		99.0	78-128				
1,3-Dichlorobenzene	49.4		"	50.0		98.9	81-124				
1,3-Dichloropropane	51.1		"	50.0		102	79-125				
1,4-Dichlorobenzene	49.1		"	50.0		98.2	82-124				
2,2-Dichloropropane	50.1		"	50.0		100	61-139				
2-Butanone	54.1		"	50.0		108	44-169				
2-Chlorotoluene	50.0		"	50.0		99.9	74-130				
4-Chlorotoluene	50.2		"	50.0		100	75-127				
Acetone	37.4		"	50.0		74.7	29-163				
Benzene	51.6		"	50.0		103	72-134				
Bromobenzene	50.7		"	50.0		101	74-129				
Bromochloromethane	51.5		"	50.0		103	69-134				
Bromodichloromethane	50.7		"	50.0		101	76-127				
Bromoform	51.3		"	50.0		103	77-137				
Bromomethane	47.6		"	50.0		95.2	50-156				
Carbon tetrachloride	50.2		"	50.0		100	62-145				
Chlorobenzene	50.0		"	50.0		100	85-119				
Chloroethane	54.1		"	50.0		108	49-143				
Chloroform	51.4		"	50.0		103	74-131				
Chloromethane	52.0		"	50.0		104	43-134				
cis-1,2-Dichloroethylene	44.0		"	50.0		87.9	73-134				
cis-1,3-Dichloropropylene	50.9		"	50.0		102	77-128				
Dibromochloromethane	50.5		"	50.0		101	79-130				
Dibromomethane	50.6		"	50.0		101	78-128				
Dichlorodifluoromethane	53.0		"	50.0		106	38-139				
Ethyl Benzene	50.3		"	50.0		101	80-129				
Hexachlorobutadiene	46.8		"	50.0		93.6	72-141				
Isopropylbenzene	49.5		"	50.0		99.0	76-128				
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	64-142				
Methylene chloride	46.8		"	50.0		93.7	56-142				
Naphthalene	46.0		"	50.0		92.1	79-144				
n-Butylbenzene	48.6		"	50.0		97.3	74-132				
n-Propylbenzene	51.2		"	50.0		102	72-135				
o-Xylene	48.8		"	50.0		97.7	81-123				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40180 - EPA 5030B											
LCS (BL40180-BS1)							Prepared & Analyzed: 12/03/2014				
p- & m- Xylenes	95.8		ug/L	100		95.8	79-130				
p-Isopropyltoluene	49.8		"	50.0		99.5	80-127				
sec-Butylbenzene	49.9		"	50.0		99.7	78-127				
Styrene	49.8		"	50.0		99.5	82-124				
tert-Butylbenzene	48.7		"	50.0		97.4	75-131				
Tetrachloroethylene	43.8		"	50.0		87.7	78-133				
Toluene	49.5		"	50.0		99.1	83-122				
trans-1,2-Dichloroethylene	50.5		"	50.0		101	59-145				
trans-1,3-Dichloropropylene	51.3		"	50.0		103	74-131				
Trichloroethylene	49.0		"	50.0		97.9	81-125				
Trichlorofluoromethane	48.4		"	50.0		96.7	61-144				
Vinyl Chloride	52.2		"	50.0		104	42-136				
Vinyl acetate	58.4		"	50.0		117	32-165				
Surrogate: 1,2-Dichloroethane-d4	*52.4*		*"*	*50.0*		*105*	*65-135*				
Surrogate: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*81-114*				
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*86-118*				
LCS Dup (BL40180-BSD1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	56.2		ug/L	50.0		112	70-132		11.2	30	
1,1,1-Trichloroethane	54.7		"	50.0		109	68-138		9.07	30	
1,1,2,2-Tetrachloroethane	58.3		"	50.0		117	73-132		7.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.0		"	50.0		104	67-136		9.54	30	
1,1,2-Trichloroethane	56.8		"	50.0		114	79-125		10.1	30	
1,1-Dichloroethane	56.3		"	50.0		113	78-128		8.40	30	
1,1-Dichloroethylene	54.1		"	50.0		108	68-134		12.0	30	
1,1-Dichloropropylene	55.4		"	50.0		111	74-130		8.57	30	
1,2,3-Trichlorobenzene	49.2		"	50.0		98.4	77-140		6.55	30	
1,2,3-Trichloropropane	57.2		"	50.0		114	79-127		9.59	30	
1,2,4-Trichlorobenzene	47.6		"	50.0		95.2	75-141		4.51	30	
1,2,4-Trimethylbenzene	52.5		"	50.0		105	78-127		4.46	30	
1,2-Dibromo-3-chloropropane	60.3		"	50.0		121	60-150		1.86	30	
1,2-Dibromoethane	56.0		"	50.0		112	86-123		11.1	30	
1,2-Dichlorobenzene	54.8		"	50.0		110	79-125		12.2	30	
1,2-Dichloroethane	55.7		"	50.0		111	69-133		6.91	30	
1,2-Dichloropropane	55.9		"	50.0		112	76-124		11.4	30	
1,3,5-Trimethylbenzene	54.1		"	50.0		108	78-128		8.85	30	
1,3-Dichlorobenzene	53.9		"	50.0		108	81-124		8.58	30	
1,3-Dichloropropane	55.7		"	50.0		111	79-125		8.54	30	
1,4-Dichlorobenzene	53.0		"	50.0		106	82-124		7.60	30	
2,2-Dichloropropane	55.0		"	50.0		110	61-139		9.34	30	
2-Butanone	62.3		"	50.0		125	44-169		14.2	30	
2-Chlorotoluene	54.2		"	50.0		108	74-130		8.19	30	
4-Chlorotoluene	53.7		"	50.0		107	75-127		6.75	30	
Acetone	38.5		"	50.0		77.0	29-163		3.03	30	
Benzene	56.4		"	50.0		113	72-134		8.98	30	
Bromobenzene	54.3		"	50.0		109	74-129		6.74	30	
Bromochloromethane	56.1		"	50.0		112	69-134		8.53	30	
Bromodichloromethane	57.3		"	50.0		115	76-127		12.2	30	
Bromoform	56.6		"	50.0		113	77-137		9.88	30	
Bromomethane	51.7		"	50.0		103	50-156		8.26	30	
Carbon tetrachloride	53.4		"	50.0		107	62-145		6.13	30	
Chlorobenzene	54.4		"	50.0		109	85-119		8.52	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40180 - EPA 5030B											
LCS Dup (BL40180-BSD1)							Prepared & Analyzed: 12/03/2014				
Chloroethane	59.2		ug/L	50.0		118	49-143		8.84	30	
Chloroform	55.9		"	50.0		112	74-131		8.48	30	
Chloromethane	56.7		"	50.0		113	43-134		8.59	30	
cis-1,2-Dichloroethylene	50.0		"	50.0		100	73-134		13.0	30	
cis-1,3-Dichloropropylene	57.7		"	50.0		115	77-128		12.6	30	
Dibromochloromethane	56.4		"	50.0		113	79-130		11.0	30	
Dibromomethane	58.9		"	50.0		118	78-128		15.2	30	
Dichlorodifluoromethane	54.9		"	50.0		110	38-139		3.59	30	
Ethyl Benzene	55.4		"	50.0		111	80-129		9.58	30	
Hexachlorobutadiene	49.9		"	50.0		99.8	72-141		6.43	30	
Isopropylbenzene	54.4		"	50.0		109	76-128		9.39	30	
Methyl tert-butyl ether (MTBE)	54.9		"	50.0		110	64-142		5.96	30	
Methylene chloride	52.6		"	50.0		105	56-142		11.5	30	
Naphthalene	49.2		"	50.0		98.3	79-144		6.55	30	
n-Butylbenzene	51.1		"	50.0		102	74-132		4.91	30	
n-Propylbenzene	55.1		"	50.0		110	72-135		7.22	30	
o-Xylene	56.1		"	50.0		112	81-123		13.9	30	
p- & m- Xylenes	109		"	100		109	79-130		13.2	30	
p-Isopropyltoluene	54.4		"	50.0		109	80-127		8.97	30	
sec-Butylbenzene	53.3		"	50.0		107	78-127		6.72	30	
Styrene	55.0		"	50.0		110	82-124		10.0	30	
tert-Butylbenzene	55.1		"	50.0		110	75-131		12.3	30	
Tetrachloroethylene	46.8		"	50.0		93.5	78-133		6.47	30	
Toluene	54.8		"	50.0		110	83-122		9.99	30	
trans-1,2-Dichloroethylene	54.9		"	50.0		110	59-145		8.31	30	
trans-1,3-Dichloropropylene	55.5		"	50.0		111	74-131		7.86	30	
Trichloroethylene	53.9		"	50.0		108	81-125		9.63	30	
Trichlorofluoromethane	53.4		"	50.0		107	61-144		9.96	30	
Vinyl Chloride	57.2		"	50.0		114	42-136		9.14	30	
Vinyl acetate	65.1		"	50.0		130	32-165		10.9	30	
Surrogate: 1,2-Dichloroethane-d4	*48.5*		*"*	*50.0*		*97.0*	*65-135*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*81-114*				
Surrogate: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*86-118*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
Blank (BL40002-BLK1)								Prepared & Analyzed: 12/01/2014			
Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	34.3	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
Blank (BL40002-BLK1)								Prepared & Analyzed: 12/01/2014			
2-Nitroaniline	ND	83.3	ug/kg wet								
4-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1680*		*"*	*2500*		*67.2*	*10-99*				
Surrogate: Phenol-d5	*1700*		*"*	*2510*		*67.7*	*10-108*				
Surrogate: Nitrobenzene-d5	*1060*		*"*	*1670*		*63.5*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1420*		*"*	*1670*		*85.1*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*2610*		*"*	*2510*		*104*	*10-106*				
Surrogate: Terphenyl-d14	*1970*		*"*	*1670*		*118*	*10-123*				
LCS (BL40002-BS1)								Prepared & Analyzed: 12/01/2014			
Acenaphthene	1590	41.7	ug/kg wet	1670		95.5	17-124				
Acenaphthylene	1460	41.7	"	1670		87.3	16-124				
Aniline	1030	167	"	1670		61.8	10-111				
Anthracene	1580	41.7	"	1670		94.7	24-124				
Benzo(a)anthracene	ND	41.7	"	1670			25-134	Low Bias			
Benzo(a)pyrene	1600	41.7	"	1670		95.7	29-144				
Benzo(b)fluoranthene	1790	41.7	"	1670		108	20-151				
Benzo(g,h,i)perylene	1840	41.7	"	1670		110	10-153				
Benzo(k)fluoranthene	1890	41.7	"	1670		113	10-148				
Benzyl alcohol	1410	41.7	"	1670		84.5	17-128				
Benzyl butyl phthalate	1700	41.7	"	1670		102	10-132				
4-Bromophenyl phenyl ether	1760	41.7	"	1670		106	30-138				
4-Chloro-3-methylphenol	1620	41.7	"	1670		97.1	16-138				
4-Chloroaniline	1370	41.7	"	1670		82.3	10-117				
Bis(2-chloroethoxy)methane	1290	41.7	"	1670		77.3	10-129				
Bis(2-chloroethyl)ether	1240	41.7	"	1670		74.2	14-125				
Bis(2-chloroisopropyl)ether	1200	41.7	"	1670		71.7	14-122				
2-Chloronaphthalene	1530	41.7	"	1670		91.7	22-115				
2-Chlorophenol	1310	41.7	"	1670		78.9	25-121				
4-Chlorophenyl phenyl ether	1420	41.7	"	1670		85.2	18-132				
Chrysene	2170	41.7	"	1670		130	24-116	High Bias			
Dibenzo(a,h)anthracene	1470	41.7	"	1670		88.1	17-147				
Dibenzofuran	1660	41.7	"	1670		99.3	23-123				
Di-n-butyl phthalate	1670	41.7	"	1670		100	19-123				
1,3-Dichlorobenzene	1270	41.7	"	1670		76.1	32-113				
1,4-Dichlorobenzene	1170	41.7	"	1670		70.2	28-111				
1,2-Dichlorobenzene	1270	41.7	"	1670		76.0	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS (BL40002-BS1)							Prepared & Analyzed: 12/01/2014				
3,3'-Dichlorobenzidine	2040	41.7	ug/kg wet	1670		123	10-147				
2,4-Dichlorophenol	1660	41.7	"	1670		99.8	23-133				
Diethyl phthalate	1780	41.7	"	1670		107	23-122				
2,4-Dimethylphenol	1480	41.7	"	1670		88.7	15-131				
Dimethyl phthalate	1850	41.7	"	1670		111	28-127				
4,6-Dinitro-2-methylphenol	1260	83.3	"	1670		75.7	10-149				
2,4-Dinitrophenol	1480	83.3	"	1670		88.7	10-149				
2,4-Dinitrotoluene	2150	41.7	"	1670		129	30-123	High Bias			
2,6-Dinitrotoluene	1660	41.7	"	1670		99.6	30-125				
Di-n-octyl phthalate	2180	41.7	"	1670		131	10-132				
Bis(2-ethylhexyl)phthalate	1730	41.7	"	1670		104	10-141				
Fluoranthene	1730	41.7	"	1670		104	36-125				
Fluorene	1460	41.7	"	1670		87.8	16-130				
Hexachlorobenzene	1800	41.7	"	1670		108	10-129				
Hexachlorobutadiene	1430	41.7	"	1670		85.8	22-153				
Hexachlorocyclopentadiene	672	41.7	"	1670		40.3	10-134				
Hexachloroethane	1120	41.7	"	1670		67.3	20-112				
Indeno(1,2,3-cd)pyrene	ND	41.7	"	1670			10-155	Low Bias			
Isophorone	1350	41.7	"	1670		80.9	14-131				
2-Methylnaphthalene	1360	41.7	"	1670		81.7	16-127				
2-Methylphenol	1310	41.7	"	1670		78.7	10-146				
3- & 4-Methylphenols	1210	41.7	"	1670		72.6	20-109				
Naphthalene	1240	41.7	"	1670		74.3	20-121				
3-Nitroaniline	1780	83.3	"	1670		107	23-123				
2-Nitroaniline	1850	83.3	"	1670		111	24-126				
4-Nitroaniline	2020	83.3	"	1670		121	14-125				
Nitrobenzene	1220	41.7	"	1670		73.0	20-121				
2-Nitrophenol	1370	41.7	"	1670		82.2	17-129				
4-Nitrophenol	1840	83.3	"	1670		110	10-136				
N-nitroso-di-n-propylamine	1350	41.7	"	1670		81.1	21-119				
N-Nitrosodimethylamine	1000	41.7	"	1670		60.2	10-124				
N-Nitrosodiphenylamine	1940	41.7	"	1670		116	10-163				
Pentachlorophenol	1560	41.7	"	1670		93.4	10-143				
Phenanthrene	1690	41.7	"	1670		101	24-123				
Phenol	1290	41.7	"	1670		77.3	15-123				
Pyrene	2300	41.7	"	1670		138	24-132	High Bias			
Pyridine	560	167	"	1670		33.6	10-92				
1,2,4-Trichlorobenzene	1440	41.7	"	1670		86.2	23-130				
2,4,6-Trichlorophenol	1610	41.7	"	1670		96.8	27-122				
2,4,5-Trichlorophenol	1890	41.7	"	1670		114	14-138				
Surrogate: 2-Fluorophenol	*2980*		*"*	*2500*		*119*	*10-99*				
Surrogate: Phenol-d5	*3060*		*"*	*2510*		*122*	*10-108*				
Surrogate: Nitrobenzene-d5	*1870*		*"*	*1670*		*112*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2490*		*"*	*1670*		*149*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*4080*		*"*	*2510*		*163*	*30-130*				
Surrogate: Terphenyl-d14	*3960*		*"*	*1670*		*237*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS Dup (BL40002-BSD1)							Prepared & Analyzed: 12/01/2014				
Acenaphthene	1460	41.7	ug/kg wet	1670		87.7	17-124		8.58	30	
Acenaphthylene	1310	41.7	"	1670		78.7	16-124		10.4	30	
Aniline	935	167	"	1670		56.1	10-111		9.70	30	
Anthracene	1380	41.7	"	1670		82.8	24-124		13.3	30	
Benzo(a)anthracene	1990	41.7	"	1670		120	25-134		200	30	Non-dir.
Benzo(a)pyrene	1400	41.7	"	1670		84.0	29-144		13.1	30	
Benzo(b)fluoranthene	1540	41.7	"	1670		92.4	20-151		15.3	30	
Benzo(g,h,i)perylene	1450	41.7	"	1670		86.8	10-153		23.9	30	
Benzo(k)fluoranthene	1620	41.7	"	1670		97.5	10-148		15.1	30	
Benzyl alcohol	1310	41.7	"	1670		78.4	17-128		7.54	30	
Benzyl butyl phthalate	1480	41.7	"	1670		89.1	10-132		13.8	30	
4-Bromophenyl phenyl ether	1530	41.7	"	1670		91.5	30-138		14.3	30	
4-Chloro-3-methylphenol	1460	41.7	"	1670		87.9	16-138		9.95	30	
4-Chloroaniline	1180	41.7	"	1670		70.8	10-117		15.0	30	
Bis(2-chloroethoxy)methane	1240	41.7	"	1670		74.6	10-129		3.50	30	
Bis(2-chloroethyl)ether	1180	41.7	"	1670		70.6	14-125		4.94	30	
Bis(2-chloroisopropyl)ether	1130	41.7	"	1670		67.9	14-122		5.53	30	
2-Chloronaphthalene	1430	41.7	"	1670		85.9	22-115		6.60	30	
2-Chlorophenol	1250	41.7	"	1670		75.1	25-121		4.88	30	
4-Chlorophenyl phenyl ether	1330	41.7	"	1670		79.7	18-132		6.62	30	
Chrysene	1840	41.7	"	1670		110	24-116		16.7	30	
Dibenzo(a,h)anthracene	1200	41.7	"	1670		71.8	17-147		20.5	30	
Dibenzofuran	1500	41.7	"	1670		89.9	23-123		9.93	30	
Di-n-butyl phthalate	1470	41.7	"	1670		88.3	19-123		12.7	30	
1,3-Dichlorobenzene	1160	41.7	"	1670		69.6	32-113		8.98	30	
1,4-Dichlorobenzene	1070	41.7	"	1670		64.4	28-111		8.58	30	
1,2-Dichlorobenzene	1170	41.7	"	1670		70.1	26-113		8.05	30	
3,3'-Dichlorobenzidine	1720	41.7	"	1670		103	10-147		17.4	30	
2,4-Dichlorophenol	1570	41.7	"	1670		94.2	23-133		5.69	30	
Diethyl phthalate	1560	41.7	"	1670		93.3	23-122		13.4	30	
2,4-Dimethylphenol	1390	41.7	"	1670		83.5	15-131		6.09	30	
Dimethyl phthalate	1620	41.7	"	1670		97.1	28-127		13.4	30	
4,6-Dinitro-2-methylphenol	1190	83.3	"	1670		71.3	10-149		5.99	30	
2,4-Dinitrophenol	1440	83.3	"	1670		86.3	10-149		2.77	30	
2,4-Dinitrotoluene	1850	41.7	"	1670		111	30-123		15.2	30	
2,6-Dinitrotoluene	1410	41.7	"	1670		84.6	30-125		16.3	30	
Di-n-octyl phthalate	1870	41.7	"	1670		112	10-132		15.6	30	
Bis(2-ethylhexyl)phthalate	1470	41.7	"	1670		88.1	10-141		16.6	30	
Fluoranthene	1490	41.7	"	1670		89.4	36-125		14.9	30	
Fluorene	1350	41.7	"	1670		80.7	16-130		8.43	30	
Hexachlorobenzene	1540	41.7	"	1670		92.6	10-129		15.5	30	
Hexachlorobutadiene	1380	41.7	"	1670		82.8	22-153		3.61	30	
Hexachlorocyclopentadiene	698	41.7	"	1670		41.9	10-134		3.84	30	
Hexachloroethane	1060	41.7	"	1670		63.5	20-112		5.81	30	
Indeno(1,2,3-cd)pyrene	1340	41.7	"	1670		80.5	10-155		200	30	Non-dir.
Isophorone	1260	41.7	"	1670		75.7	14-131		6.61	30	
2-Methylnaphthalene	1270	41.7	"	1670		76.5	16-127		6.60	30	
2-Methylphenol	1240	41.7	"	1670		74.3	10-146		5.70	30	
3- & 4-Methylphenols	1130	41.7	"	1670		67.8	20-109		6.75	30	
Naphthalene	1170	41.7	"	1670		70.1	20-121		5.84	30	
3-Nitroaniline	1470	83.3	"	1670		88.4	23-123		18.6	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS Dup (BL40002-BSD1)								Prepared & Analyzed: 12/01/2014			
2-Nitroaniline	1650	83.3	ug/kg wet	1670		99.2	24-126		11.3	30	
4-Nitroaniline	1690	83.3	"	1670		101	14-125		17.8	30	
Nitrobenzene	1170	41.7	"	1670		70.3	20-121		3.85	30	
2-Nitrophenol	1330	41.7	"	1670		79.8	17-129		2.94	30	
4-Nitrophenol	1650	83.3	"	1670		98.7	10-136		11.2	30	
N-nitroso-di-n-propylamine	1270	41.7	"	1670		76.0	21-119		6.52	30	
N-Nitrosodimethylamine	754	41.7	"	1670		45.2	10-124		28.4	30	
N-Nitrosodiphenylamine	1710	41.7	"	1670		103	10-163		12.6	30	
Pentachlorophenol	1370	41.7	"	1670		82.0	10-143		13.0	30	
Phenanthrene	1440	41.7	"	1670		86.6	24-123		15.6	30	
Phenol	1190	41.7	"	1670		71.5	15-123		7.88	30	
Pyrene	1920	41.7	"	1670		115	24-132		18.1	30	
Pyridine	628	167	"	1670		37.7	10-92		11.5	30	
1,2,4-Trichlorobenzene	1370	41.7	"	1670		82.3	23-130		4.58	30	
2,4,6-Trichlorophenol	1480	41.7	"	1670		89.1	27-122		8.24	30	
2,4,5-Trichlorophenol	1720	41.7	"	1670		103	14-138		9.50	30	
Surrogate: 2-Fluorophenol	*2590*		*"*	*2500*		*104*	*10-99*				
Surrogate: Phenol-d5	*2730*		*"*	*2510*		*109*	*10-108*				
Surrogate: Nitrobenzene-d5	*1700*		*"*	*1670*		*102*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2270*		*"*	*1670*		*136*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*3480*		*"*	*2510*		*139*	*30-130*				
Surrogate: Terphenyl-d14	*3130*		*"*	*1670*		*187*	*10-123*				
Batch BL40082 - EPA 3510C											
Blank (BL40082-BLK1)								Prepared & Analyzed: 12/02/2014			
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40082 - EPA 3510C											
Blank (BL40082-BLK1)								Prepared & Analyzed: 12/02/2014			
1,2-Dichlorobenzene	ND	5.00	ug/L								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*20.7*		*"*	*75.0*		*27.5*	*10-47*				
Surrogate: Phenol-d5	*13.9*		*"*	*75.2*		*18.4*	*10-37*				
Surrogate: Nitrobenzene-d5	*30.4*		*"*	*50.0*		*60.7*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*24.6*		*"*	*50.0*		*49.2*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*34.1*		*"*	*75.2*		*45.3*	*10-112*				
Surrogate: Terphenyl-d14	*30.7*		*"*	*50.1*		*61.2*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40082 - EPA 3510C											
LCS (BL40082-BS1)							Prepared & Analyzed: 12/02/2014				
Acenaphthene	31.2	0.0500	ug/L	50.0		62.3	24-114				
Acenaphthylene	30.5	0.0500	"	50.0		61.0	26-112				
Aniline	35.5	5.00	"	50.0		71.0	10-107				
Anthracene	34.7	0.0500	"	50.0		69.4	35-114				
Benzo(a)anthracene	34.2	0.0500	"	50.0		68.5	38-127				
Benzo(a)pyrene	31.0	0.0500	"	50.0		62.0	30-146				
Benzo(b)fluoranthene	32.2	0.0500	"	50.0		64.4	36-145				
Benzo(g,h,i)perylene	33.5	0.0500	"	50.0		66.9	10-163				
Benzo(k)fluoranthene	26.6	0.0500	"	50.0		53.1	16-149				
Benzyl alcohol	30.5	5.00	"	50.0		61.0	18-75				
Benzyl butyl phthalate	32.5	5.00	"	50.0		65.1	28-129				
4-Bromophenyl phenyl ether	31.9	5.00	"	50.0		63.7	38-116				
4-Chloro-3-methylphenol	36.0	5.00	"	50.0		71.9	28-101				
4-Chloroaniline	46.1	5.00	"	50.0		92.3	10-154				
Bis(2-chloroethoxy)methane	32.7	5.00	"	50.0		65.3	27-112				
Bis(2-chloroethyl)ether	30.0	5.00	"	50.0		60.0	24-114				
Bis(2-chloroisopropyl)ether	36.8	5.00	"	50.0		73.7	21-124				
2-Chloronaphthalene	27.3	5.00	"	50.0		54.6	40-96				
2-Chlorophenol	25.6	5.00	"	50.0		51.2	35-84				
4-Chlorophenyl phenyl ether	34.5	5.00	"	50.0		69.0	34-112				
Chrysene	35.5	0.0500	"	50.0		71.0	33-120				
Dibenzo(a,h)anthracene	33.9	0.0500	"	50.0		67.8	10-149				
Dibenzofuran	31.9	5.00	"	50.0		63.8	42-105				
Di-n-butyl phthalate	32.3	5.00	"	50.0		64.6	36-110				
1,4-Dichlorobenzene	26.0	5.00	"	50.0		52.0	42-82				
1,3-Dichlorobenzene	26.5	5.00	"	50.0		52.9	45-80				
1,2-Dichlorobenzene	27.6	5.00	"	50.0		55.3	42-85				
3,3'-Dichlorobenzidine	45.3	5.00	"	50.0		90.7	25-155				
2,4-Dichlorophenol	30.8	5.00	"	50.0		61.6	43-92				
Diethyl phthalate	32.2	5.00	"	50.0		64.3	38-112				
2,4-Dimethylphenol	30.5	5.00	"	50.0		61.0	25-92				
Dimethyl phthalate	31.2	5.00	"	50.0		62.3	49-106				
4,6-Dinitro-2-methylphenol	38.2	5.00	"	50.0		76.5	10-135				
2,4-Dinitrophenol	38.4	5.00	"	50.0		76.8	10-149				
2,4-Dinitrotoluene	32.5	5.00	"	50.0		65.0	41-114				
2,6-Dinitrotoluene	33.7	5.00	"	50.0		67.5	49-106				
Di-n-octyl phthalate	35.4	5.00	"	50.0		70.7	12-149				
Bis(2-ethylhexyl)phthalate	35.2	0.500	"	50.0		70.5	10-171				
Fluoranthene	34.8	0.0500	"	50.0		69.7	33-126				
Fluorene	34.6	0.0500	"	50.0		69.1	28-117				
Hexachlorobenzene	33.2	0.0200	"	50.0		66.5	27-120				
Hexachlorobutadiene	31.0	0.500	"	50.0		61.9	25-106				
Hexachlorocyclopentadiene	26.7	5.00	"	50.0		53.4	10-99				
Hexachloroethane	28.5	0.500	"	50.0		57.0	33-84				
Indeno(1,2,3-cd)pyrene	33.3	0.0500	"	50.0		66.6	10-150				
Isophorone	33.4	5.00	"	50.0		66.8	29-115				
2-Methylnaphthalene	36.2	5.00	"	50.0		72.3	33-101				
2-Methylphenol	23.5	5.00	"	50.0		46.9	10-90				
3- & 4-Methylphenols	22.0	5.00	"	50.0		43.9	10-101				
Naphthalene	31.9	0.0500	"	50.0		63.9	30-99				
4-Nitroaniline	29.7	5.00	"	50.0		59.3	15-143				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40082 - EPA 3510C											
LCS (BL40082-BS1)							Prepared & Analyzed: 12/02/2014				
3-Nitroaniline	41.4	5.00	ug/L	50.0		82.9	29-128				
2-Nitroaniline	28.8	5.00	"	50.0		57.5	31-122				
Nitrobenzene	31.6	0.250	"	50.0		63.3	32-113				
4-Nitrophenol	12.0	5.00	"	50.0		23.9	10-112				
2-Nitrophenol	30.6	5.00	"	50.0		61.2	37-97				
N-nitroso-di-n-propylamine	32.8	5.00	"	50.0		65.5	36-118				
N-Nitrosodimethylamine	21.1	0.500	"	50.0		42.2	10-63				
N-Nitrosodiphenylamine	41.6	5.00	"	50.0		83.1	27-145				
Pentachlorophenol	30.2	0.250	"	50.0		60.4	19-127				
Phenanthrene	37.0	0.0500	"	50.0		74.1	31-112				
Phenol	13.9	5.00	"	50.0		27.9	10-37				
Pyrene	37.5	0.0500	"	50.0		75.0	42-125				
Pyridine	18.3	5.00	"	50.0		36.6	10-46				
1,2,4-Trichlorobenzene	31.5	5.00	"	50.0		63.0	35-91				
2,4,5-Trichlorophenol	30.9	5.00	"	50.0		61.7	36-112				
2,4,6-Trichlorophenol	28.7	5.00	"	50.0		57.5	41-107				
Surrogate: 2-Fluorophenol	*31.6*		*"*	*75.0*		*42.1*	*10-47*				
Surrogate: Phenol-d5	*23.7*		*"*	*75.2*		*31.5*	*10-37*				
Surrogate: Nitrobenzene-d5	*41.0*		*"*	*50.0*		*81.9*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*32.9*		*"*	*50.0*		*65.7*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*54.9*		*"*	*75.2*		*73.0*	*10-112*				
Surrogate: Terphenyl-d14	*41.0*		*"*	*50.1*		*81.9*	*10-137*				
LCS Dup (BL40082-BSD1)							Prepared & Analyzed: 12/02/2014				
Acenaphthene	30.7	0.0500	ug/L	50.0		61.4	24-114		1.45	20	
Acenaphthylene	29.5	0.0500	"	50.0		59.1	26-112		3.17	20	
Aniline	34.4	5.00	"	50.0		68.8	10-107		3.21	20	
Anthracene	34.3	0.0500	"	50.0		68.7	35-114		0.985	20	
Benzo(a)anthracene	32.4	0.0500	"	50.0		64.7	38-127		5.59	20	
Benzo(a)pyrene	29.7	0.0500	"	50.0		59.3	30-146		4.39	20	
Benzo(b)fluoranthene	30.5	0.0500	"	50.0		61.0	36-145		5.49	20	
Benzo(g,h,i)perylene	32.4	0.0500	"	50.0		64.8	10-163		3.28	20	
Benzo(k)fluoranthene	25.9	0.0500	"	50.0		51.8	16-149		2.56	20	
Benzyl alcohol	27.8	5.00	"	50.0		55.7	18-75		9.15	20	
Benzyl butyl phthalate	30.6	5.00	"	50.0		61.1	28-129		6.31	20	
4-Bromophenyl phenyl ether	30.3	5.00	"	50.0		60.7	38-116		4.95	20	
4-Chloro-3-methylphenol	37.8	5.00	"	50.0		75.7	28-101		5.15	20	
4-Chloroaniline	46.2	5.00	"	50.0		92.5	10-154		0.238	20	
Bis(2-chloroethoxy)methane	33.6	5.00	"	50.0		67.3	27-112		2.93	20	
Bis(2-chloroethyl)ether	28.4	5.00	"	50.0		56.9	24-114		5.27	20	
Bis(2-chloroisopropyl)ether	35.7	5.00	"	50.0		71.5	21-124		3.00	20	
2-Chloronaphthalene	28.3	5.00	"	50.0		56.7	40-96		3.77	20	
2-Chlorophenol	27.4	5.00	"	50.0		54.9	35-84		6.94	20	
4-Chlorophenyl phenyl ether	33.6	5.00	"	50.0		67.2	34-112		2.56	20	
Chrysene	34.0	0.0500	"	50.0		67.9	33-120		4.49	20	
Dibenzo(a,h)anthracene	33.1	0.0500	"	50.0		66.3	10-149		2.24	20	
Dibenzofuran	31.8	5.00	"	50.0		63.6	42-105		0.408	20	
Di-n-butyl phthalate	31.1	5.00	"	50.0		62.1	36-110		3.91	20	
1,4-Dichlorobenzene	24.9	5.00	"	50.0		49.8	42-82		4.40	20	
1,3-Dichlorobenzene	25.1	5.00	"	50.0		50.2	45-80		5.23	20	
1,2-Dichlorobenzene	25.2	5.00	"	50.0		50.4	42-85		9.27	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40082 - EPA 3510C											
LCS Dup (BL40082-BSD1)							Prepared & Analyzed: 12/02/2014				
3,3'-Dichlorobenzidine	43.8	5.00	ug/L	50.0		87.7	25-155		3.34	20	
2,4-Dichlorophenol	32.8	5.00	"	50.0		65.7	43-92		6.38	20	
Diethyl phthalate	30.4	5.00	"	50.0		60.9	38-112		5.46	20	
2,4-Dimethylphenol	31.6	5.00	"	50.0		63.2	25-92		3.54	20	
Dimethyl phthalate	29.8	5.00	"	50.0		59.7	49-106		4.33	20	
4,6-Dinitro-2-methylphenol	37.1	5.00	"	50.0		74.2	10-135		3.00	20	
2,4-Dinitrophenol	36.3	5.00	"	50.0		72.7	10-149		5.49	20	
2,4-Dinitrotoluene	31.0	5.00	"	50.0		62.0	41-114		4.69	20	
2,6-Dinitrotoluene	33.4	5.00	"	50.0		66.7	49-106		1.16	20	
Di-n-octyl phthalate	33.2	5.00	"	50.0		66.4	12-149		6.39	20	
Bis(2-ethylhexyl)phthalate	33.0	0.500	"	50.0		66.0	10-171		6.53	20	
Fluoranthene	33.7	0.0500	"	50.0		67.4	33-126		3.33	20	
Fluorene	33.7	0.0500	"	50.0		67.4	28-117		2.55	20	
Hexachlorobenzene	32.4	0.0200	"	50.0		64.9	27-120		2.41	20	
Hexachlorobutadiene	29.3	0.500	"	50.0		58.6	25-106		5.54	20	
Hexachlorocyclopentadiene	26.4	5.00	"	50.0		52.8	10-99		1.09	20	
Hexachloroethane	27.4	0.500	"	50.0		54.9	33-84		3.72	20	
Indeno(1,2,3-cd)pyrene	32.7	0.0500	"	50.0		65.3	10-150		1.94	20	
Isophorone	31.6	5.00	"	50.0		63.2	29-115		5.45	20	
2-Methylnaphthalene	32.7	5.00	"	50.0		65.4	33-101		9.99	20	
2-Methylphenol	26.0	5.00	"	50.0		52.0	10-90		10.3	20	
3- & 4-Methylphenols	24.0	5.00	"	50.0		47.9	10-101		8.80	20	
Naphthalene	31.5	0.0500	"	50.0		63.1	30-99		1.26	20	
4-Nitroaniline	27.9	5.00	"	50.0		55.8	15-143		6.22	20	
3-Nitroaniline	40.3	5.00	"	50.0		80.6	29-128		2.81	20	
2-Nitroaniline	27.9	5.00	"	50.0		55.7	31-122		3.11	20	
Nitrobenzene	30.8	0.250	"	50.0		61.5	32-113		2.79	20	
4-Nitrophenol	12.9	5.00	"	50.0		25.8	10-112		7.56	20	
2-Nitrophenol	29.0	5.00	"	50.0		57.9	37-97		5.44	20	
N-nitroso-di-n-propylamine	32.0	5.00	"	50.0		64.1	36-118		2.25	20	
N-Nitrosodimethylamine	23.1	0.500	"	50.0		46.2	10-63		9.00	20	
N-Nitrosodiphenylamine	41.4	5.00	"	50.0		82.7	27-145		0.531	20	
Pentachlorophenol	30.5	0.250	"	50.0		60.9	19-127		0.956	20	
Phenanthrene	36.3	0.0500	"	50.0		72.6	31-112		1.94	20	
Phenol	13.1	5.00	"	50.0		26.2	10-37		6.06	20	
Pyrene	35.5	0.0500	"	50.0		71.0	42-125		5.51	20	
Pyridine	17.0	5.00	"	50.0		34.0	10-46		7.53	20	
1,2,4-Trichlorobenzene	29.4	5.00	"	50.0		58.9	35-91		6.70	20	
2,4,5-Trichlorophenol	29.5	5.00	"	50.0		58.9	36-112		4.64	20	
2,4,6-Trichlorophenol	30.0	5.00	"	50.0		60.0	41-107		4.32	20	
Surrogate: 2-Fluorophenol	*28.8*		*"*	*75.0*		*38.4*	*10-47*				
Surrogate: Phenol-d5	*23.6*		*"*	*75.2*		*31.4*	*10-37*				
Surrogate: Nitrobenzene-d5	*39.8*		*"*	*50.0*		*79.6*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*32.9*		*"*	*50.0*		*65.9*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*53.4*		*"*	*75.2*		*71.0*	*10-112*				
Surrogate: Terphenyl-d14	*38.1*		*"*	*50.1*		*76.1*	*10-137*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40084 - EPA SW846-3510C Low Level											
Blank (BL40084-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
gamma-Chlordane	ND	0.0100	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	*0.141*		*"*	*0.200*		*70.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.126*		*"*	*0.200*		*63.2*	*30-120*				
LCS (BL40084-BS1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	0.0611	0.00400	ug/L	0.100		61.1	40-120				
4,4'-DDE	0.0646	0.00400	"	0.100		64.6	40-120				
4,4'-DDT	0.0678	0.00400	"	0.100		67.8	40-120				
Aldrin	0.0559	0.00400	"	0.100		55.9	40-120				
alpha-BHC	0.0481	0.00400	"	0.100		48.1	40-120				
beta-BHC	0.0532	0.00400	"	0.100		53.2	40-120				
gamma-Chlordane	0.0531	0.0100	"	0.100		53.1	40-120				
delta-BHC	0.0472	0.00400	"	0.100		47.2	40-120				
Dieldrin	0.0561	0.00200	"	0.100		56.1	40-120				
Endosulfan I	0.0581	0.00400	"	0.100		58.1	40-120				
Endosulfan II	0.0545	0.00400	"	0.100		54.5	40-120				
Endosulfan sulfate	0.0660	0.00400	"	0.100		66.0	40-120				
Endrin	0.0606	0.00400	"	0.100		60.6	40-120				
Endrin aldehyde	0.0624	0.0100	"	0.100		62.4	40-120				
Endrin ketone	0.0829	0.0100	"	0.100		82.9	40-120				
gamma-BHC (Lindane)	0.0485	0.00400	"	0.100		48.5	40-120				
Heptachlor	0.0508	0.00400	"	0.100		50.8	40-120				
Heptachlor epoxide	0.0557	0.00400	"	0.100		55.7	40-120				
alpha-Chlordane	0.0502	0.00400	"	0.100		50.2	40-120				
Methoxychlor	0.0665	0.00400	"	0.100		66.5	40-120				
Surrogate: Tetrachloro-m-xylene	*0.139*		*"*	*0.200*		*69.3*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		*"*	*0.200*		*62.4*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40084 - EPA SW846-3510C Low Level											
LCS Dup (BL40084-BSD1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	0.0655	0.00400	ug/L	0.100		65.5	40-120		6.81	30	
4,4'-DDE	0.0702	0.00400	"	0.100		70.2	40-120		8.33	30	
4,4'-DDT	0.0723	0.00400	"	0.100		72.3	40-120		6.46	30	
Aldrin	0.0635	0.00400	"	0.100		63.5	40-120		12.7	30	
alpha-BHC	0.0537	0.00400	"	0.100		53.7	40-120		11.0	30	
beta-BHC	0.0602	0.00400	"	0.100		60.2	40-120		12.2	30	
gamma-Chlordane	0.0577	0.0100	"	0.100		57.7	40-120		8.29	30	
delta-BHC	0.0529	0.00400	"	0.100		52.9	40-120		11.2	30	
Dieldrin	0.0613	0.00200	"	0.100		61.3	40-120		8.98	30	
Endosulfan I	0.0636	0.00400	"	0.100		63.6	40-120		9.01	30	
Endosulfan II	0.0587	0.00400	"	0.100		58.7	40-120		7.48	30	
Endosulfan sulfate	0.0706	0.00400	"	0.100		70.6	40-120		6.69	30	
Endrin	0.0647	0.00400	"	0.100		64.7	40-120		6.54	30	
Endrin aldehyde	0.0661	0.0100	"	0.100		66.1	40-120		5.68	30	
Endrin ketone	0.0824	0.0100	"	0.100		82.4	40-120		0.630	30	
gamma-BHC (Lindane)	0.0538	0.00400	"	0.100		53.8	40-120		10.3	30	
Heptachlor	0.0554	0.00400	"	0.100		55.4	40-120		8.54	30	
Heptachlor epoxide	0.0588	0.00400	"	0.100		58.8	40-120		5.39	30	
alpha-Chlordane	0.0543	0.00400	"	0.100		54.3	40-120		7.96	30	
Methoxychlor	0.0701	0.00400	"	0.100		70.1	40-120		5.27	30	
Surrogate: Tetrachloro-m-xylene	*0.156*		*"*	*0.200*		*78.2*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.131*		*"*	*0.200*		*65.7*	*30-120*				
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*46.4*		*"*	*67.7*		*68.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*46.5*		*"*	*67.0*		*69.5*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
LCS (BL40117-BS1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	25.1	0.330	ug/kg wet	33.3		75.4	40-140				
4,4'-DDE	22.4	0.330	"	33.3		67.1	40-140				
4,4'-DDT	23.5	0.330	"	33.3		70.4	40-140				
Aldrin	18.2	0.330	"	33.3		54.6	40-140				
alpha-BHC	20.9	0.330	"	33.3		62.6	40-140				
beta-BHC	20.1	0.330	"	33.3		60.4	40-140				
gamma-Chlordane	18.8	0.330	"	33.3		56.4	40-140				
delta-BHC	19.4	0.330	"	33.3		58.2	40-140				
Dieldrin	19.5	0.330	"	33.3		58.4	40-140				
Endosulfan I	18.9	0.330	"	33.3		56.6	40-140				
Endosulfan II	20.5	0.330	"	33.3		61.5	40-140				
Endosulfan sulfate	19.9	0.330	"	33.3		59.7	40-140				
Endrin	20.8	0.330	"	33.3		62.4	40-140				
Endrin aldehyde	15.6	0.330	"	33.3		46.7	40-140				
Endrin ketone	19.3	0.330	"	33.3		57.9	40-140				
gamma-BHC (Lindane)	19.5	0.330	"	33.3		58.5	40-140				
Heptachlor	18.4	0.330	"	33.3		55.1	40-140				
Heptachlor epoxide	19.1	0.330	"	33.3		57.3	40-140				
alpha-Chlordane	19.4	0.330	"	33.3		58.2	40-140				
Methoxychlor	24.5	1.65	"	33.3		73.4	40-140				
Surrogate: Tetrachloro-m-xylene	*36.6*		*"*	*67.7*		*54.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*36.1*		*"*	*67.0*		*53.9*	*30-140*				
LCS Dup (BL40117-BSD1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	31.7	0.330	ug/kg wet	33.3		95.0	40-140		23.1	30	
4,4'-DDE	27.6	0.330	"	33.3		82.8	40-140		20.9	30	
4,4'-DDT	30.4	0.330	"	33.3		91.2	40-140		25.7	30	
Aldrin	21.8	0.330	"	33.3		65.5	40-140		18.3	30	
alpha-BHC	24.8	0.330	"	33.3		74.5	40-140		17.3	30	
beta-BHC	24.4	0.330	"	33.3		73.2	40-140		19.0	30	
gamma-Chlordane	23.2	0.330	"	33.3		69.6	40-140		21.0	30	
delta-BHC	23.8	0.330	"	33.3		71.3	40-140		20.3	30	
Dieldrin	24.0	0.330	"	33.3		72.0	40-140		20.8	30	
Endosulfan I	23.2	0.330	"	33.3		69.7	40-140		20.6	30	
Endosulfan II	25.4	0.330	"	33.3		76.2	40-140		21.3	30	
Endosulfan sulfate	25.4	0.330	"	33.3		76.1	40-140		24.1	30	
Endrin	24.9	0.330	"	33.3		74.8	40-140		18.1	30	
Endrin aldehyde	18.8	0.330	"	33.3		56.4	40-140		18.8	30	
Endrin ketone	24.7	0.330	"	33.3		74.2	40-140		24.6	30	
gamma-BHC (Lindane)	24.2	0.330	"	33.3		72.5	40-140		21.3	30	
Heptachlor	22.6	0.330	"	33.3		67.8	40-140		20.6	30	
Heptachlor epoxide	23.4	0.330	"	33.3		70.3	40-140		20.3	30	
alpha-Chlordane	23.8	0.330	"	33.3		71.4	40-140		20.3	30	
Methoxychlor	22.5	1.65	"	33.3		67.5	40-140		8.31	30	
Surrogate: Tetrachloro-m-xylene	*42.7*		*"*	*67.7*		*63.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*40.5*		*"*	*67.0*		*60.4*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40084 - EPA SW846-3510C Low Level											
Blank (BL40084-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.102*		*"*	*0.200*		*51.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.200*		*66.0*	*30-120*				
LCS (BL40084-BS2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.641	0.0500	ug/L	1.00		64.1	40-120				
Aroclor 1260	0.622	0.0500	"	1.00		62.2	40-120				
Surrogate: Tetrachloro-m-xylene	*0.108*		*"*	*0.200*		*54.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.136*		*"*	*0.200*		*68.0*	*30-120*				
LCS Dup (BL40084-BSD2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.788	0.0500	ug/L	1.00		78.8	40-120		20.5	30	
Aroclor 1260	0.678	0.0500	"	1.00		67.8	40-120		8.61	30	
Surrogate: Tetrachloro-m-xylene	*0.0980*		*"*	*0.200*		*49.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.178*		*"*	*0.200*		*89.0*	*30-120*				
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0603*		*"*	*0.0677*		*89.2*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0500*		*"*	*0.0670*		*74.6*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
LCS (BL40117-BS2)							Prepared: 12/02/2014 Analyzed: 12/03/2014				
Aroclor 1016	0.266	0.0167	mg/kg wet	0.333		79.8	40-130				
Aroclor 1260	0.260	0.0167	"	0.333		77.9	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0480*		*"*	*0.0677*		*70.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0423*		*"*	*0.0670*		*63.2*	*30-140*				
LCS Dup (BL40117-BSD2)							Prepared: 12/02/2014 Analyzed: 12/03/2014				
Aroclor 1016	0.391	0.0167	mg/kg wet	0.333		117	40-130		38.0	25	Non-dir.
Aroclor 1260	0.378	0.0167	"	0.333		113	40-130		37.1	25	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.0780*		*"*	*0.0677*		*115*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0637*		*"*	*0.0670*		*95.0*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40206 - EPA 3050B											
Blank (BL40206-BLK1)								Prepared & Analyzed: 12/03/2014			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BL40206-SRM1)								Prepared & Analyzed: 12/03/2014			
Aluminum	7300	1.00	mg/kg wet	8740		83.5	41.6-158				
Antimony	103	0.500	"	108		95.4	23-255				
Arsenic	148	1.00	"	151		97.7	70.9-130				
Barium	272	1.00	"	262		104	73.7-126				
Beryllium	132	0.100	"	133		99.2	75.1-125				
Cadmium	146	0.300	"	152		96.1	73-126				
Calcium	6500	5.00	"	6400		102	73.9-126				
Chromium	112	0.500	"	117		95.9	69.7-130				
Cobalt	70.9	0.500	"	68.7		103	74.4-126				
Copper	70.1	0.500	"	68.6		102	73.2-129				
Iron	11400	2.00	"	12300		92.7	30.5-170				
Lead	239	0.300	"	254		94.0	75.6-125				
Magnesium	3340	5.00	"	3600		92.9	68.3-132				
Manganese	559	0.500	"	563		99.3	77.4-123				
Nickel	320	0.500	"	315		102	74.3-127				
Potassium	2720	5.00	"	3040		89.6	62.5-137				
Selenium	161	1.00	"	162		99.3	67.3-132				
Silver	41.9	0.500	"	44.3		94.5	66.4-124				
Sodium	698	10.0	"	746		93.6	56.8-143				
Thallium	253	1.00	"	259		97.8	69.5-131				
Vanadium	113	1.00	"	116		97.3	67.5-132				
Zinc	292	1.00	"	306		95.4	71.9-133				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40207 - EPA 3010A											
Blank (BL40207-BLK1)								Prepared & Analyzed: 12/03/2014			
Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								
Reference (BL40207-SRM1)								Prepared: 12/03/2014 Analyzed: 12/04/2014			
Aluminum	1.33	0.010	mg/L	1.30		103	82.3-115				
Antimony	0.601	0.005	"	0.633		94.9	81.4-115				
Arsenic	0.397	0.004	"	0.438		90.7	83.3-116				
Barium	0.389	0.010	"	0.365		106	84.9-115				
Beryllium	0.226	0.001	"	0.227		99.6	85-115				
Cadmium	0.333	0.003	"	0.334		99.7	85-115				
Chromium	0.791	0.005	"	0.797		99.3	84.9-115				
Cobalt	0.509	0.005	"	0.477		107	84.9-115				
Copper	0.181	0.003	"	0.177		102	84.7-115				
Iron	2.72	0.020	"	2.58		105	84.9-115				
Lead	1.46	0.003	"	1.47		99.7	85-115				
Manganese	0.565	0.005	"	0.538		105	84.9-115				
Nickel	1.70	0.005	"	1.71		99.3	88.3-112				
Selenium	0.476	0.010	"	0.521		91.3	85-115				
Silver	0.382	0.005	"	0.384		99.5	84.9-115				
Thallium	0.405	0.005	"	0.390		104	81.5-117				
Vanadium	1.63	0.010	"	1.68		97.1	85.1-115				
Zinc	1.50	0.010	"	1.53		97.9	85-115				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40207 - EPA 3010A											
Reference (BL40207-SRM2)								Prepared: 12/03/2014 Analyzed: 12/04/2014			
Calcium	45.4	0.050	mg/L	44.2		103	86-114				
Magnesium	91.8	0.050	"	90.7		101	86-114				
Potassium	61.3	0.050	"	60.9		101	84.9-115				
Sodium	74.1	0.100	"	73.8		100	85-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40007 - EPA 7473 soil											
Blank (BL40007-BLK1)								Prepared & Analyzed: 12/01/2014			
Mercury	ND	0.0300	mg/kg wet								
Reference (BL40007-SRM1)								Prepared & Analyzed: 12/01/2014			
Mercury	2.9841		mg/kg	3.73		80.0	68.6-131				
Batch BL40009 - EPA 7473 water											
Blank (BL40009-BLK1)								Prepared & Analyzed: 12/01/2014			
Mercury	ND	0.00020	mg/L								
Reference (BL40009-SRM1)								Prepared & Analyzed: 12/01/2014			
Mercury	0.00270		mg/kg	0.00230		117	61.3-135				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41278 - Analysis Preparation											
Blank (BK41278-BLK1)								Prepared & Analyzed: 11/26/2014			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BK41278-BS1)								Prepared & Analyzed: 11/26/2014			
Chromium, Hexavalent	0.493	0.0100	mg/L	0.500		98.6	80-120				
Batch BL40240 - EPA SW846-3060											
Blank (BL40240-BLK1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BL40240-SRM1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	114		mg/L	125		91.2	20.2-180				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14K0984-01	SP-12 0-2'	40mL Vial with Stir Bar-Cool 4° C
14K0984-02	SP-12 2'-4'	40mL Vial with Stir Bar-Cool 4° C
14K0984-03	SP-13 0-2'	40mL Vial with Stir Bar-Cool 4° C
14K0984-04	SP-13 2'-4'	40mL Vial with Stir Bar-Cool 4° C
14K0984-05	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0984-06	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-D	The surrogates were spiked at twice the normal concentration and recovery is within limits.
S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
A-01	Sampe contains PCB Aroclor 1268

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Corrective Action: Hex Chrom Recvd. Out-of-Hold

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Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14K0984

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	140127	RUSH-Same Day	Summary Report x
Address: 15 Ocean Ave 2nd Fl	Name:	Name: Muslima Ward		RUSH-Next Day	QA Report X
Brooklyn, NY 11225	Company:	Company: Hydro Tech Env, Corp	**Purchase Order #**	RUSH-Two Day	CT RCP
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G	7100	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Holly Hawkins		Hauppauge, NY		~~RUSH-Four~~ Day X	NY ASP A Package
E-mail: hhawkins@hydrotechenvironmental.com	E-mail:	E-mail mward@hydrotechenvironmental.com	Samples from CT__NY__NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel x
					NYSDEC EQuIS X
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: NYSDEC Part 375 Unrestricted SCO-Residential SCO
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): [signature]

Name (printed): Nick Mancuso

Matrix Codes
- S - soil
- Other - specify(oil, etc.)
- WW - wastewater
- GW - groundwater
- DW - drinking water
- Air-A - ambient air
- Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indic.Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SP-12 0-2'	11.25.14/11:00	S	EPA 8260, 8270BNA, 8081/8082, Tal Metals, Chromium hexavalent & trivalent	8 oz jar & Terracore set
SP-12 2'-4'	11.25.14/11:00	S	"	"
SP-13 0'-2'	11.25.14/11:30	S	"	"
SP-13 2'-4'	11.25.14/11:30	S	"	"
Field Blank	11.25.14/11:00	FB	"	3 Ambers 2 plastic bottles, 3 vials (glass)
Trip Blank	11.25.14/2:30	TP	EPA 8260	2 vials HCl (glass)

Comments:

E-Designation Parameters
4 Day TAT as per agreement

Preservation (applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: [signature] Date/Time: 11/26/14 1237 pm

Samples Relinquished By: ____ Date/Time: ____

Samples Received By: K Barber Date/Time: 11/26/14

Samples Received in LAB by: PGrace Date/Time: 11-26-14 1645

Temperature on Receipt: 4.8 °C

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0985

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0985

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 26, 2014 and listed below. The project was identified as your project: **140127**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14K0985-01	SP-11 0'-2'	Soil	11/25/2014	11/26/2014
14K0985-02	SP-11 10'-12'	Soil	11/25/2014	11/26/2014
14K0985-03	SP-10 0'-2'	Soil	11/25/2014	11/26/2014
14K0985-04	SP-10 10'-12'	Soil	11/25/2014	11/26/2014

General Notes for York Project (SDG) No.: 14K0985

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 12/04/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	29	59	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
67-64-1	Acetone	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
71-43-2	Benzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
67-66-3	Chloroform	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-09-2	**Methylene chloride**	**9.5**	B	ug/kg dry	2.9	5.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.5	5.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
100-42-5	Styrene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
108-88-3	Toluene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.4	8.8	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.5	2.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:07	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.7 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
120-12-7	Anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
56-55-3	**Benzo(a)anthracene**	**69.1**	J	ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
218-01-9	**Chrysene**	**88.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**75.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
206-44-0	**Fluoranthene**	**179**		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
86-73-7	Fluorene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
85-01-8	**Phenanthrene**	**75.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
108-95-2	Phenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
129-00-0	**Pyrene**	**170**		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
110-86-1	Pyridine	ND		ug/kg dry	180	360	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	12/01/2014 06:09	12/01/2014 20:29	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*11.7 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*13.7 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*13.1 %*	*10-119*

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*15.6 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*8.30 %*	S-06		*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*13.8 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**3.83**		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
72-55-9	**4,4'-DDE**	**5.39**		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
50-29-3	**4,4'-DDT**	**4.58**		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.2	71.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.90	8.90	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.1	90.1	5	EPA 8081B	12/02/2014 17:12	12/03/2014 23:58	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.4 %*	*30-140*

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	12/02/2014 17:12	12/04/2014 00:56	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10700**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-36-0	Antimony	ND		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-38-2	**Arsenic**	**4.69**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-39-3	**Barium**	**82.8**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.324	0.324	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-70-2	**Calcium**	**7840**		mg/kg dry	0.540	5.40	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-47-3	**Chromium**	**19.2**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-48-4	**Cobalt**	**7.81**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-50-8	**Copper**	**28.7**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7439-89-6	**Iron**	**19600**		mg/kg dry	2.16	2.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7439-92-1	**Lead**	**91.0**		mg/kg dry	0.324	0.324	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7439-95-4	**Magnesium**	**3140**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7439-96-5	**Manganese**	**405**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-02-0	**Nickel**	**22.5**		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-09-7	**Potassium**	**1300**		mg/kg dry	5.40	5.40	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7782-49-2	**Selenium**	**4.08**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-22-4	Silver	ND		mg/kg dry	0.540	0.540	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-23-5	**Sodium**	**181**		mg/kg dry	10.8	10.8	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW
7440-62-2	**Vanadium**	**31.3**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW

Sample Information

Client Sample ID: **SP-11 0'-2'** **York Sample ID:** **14K0985-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**93.6**		mg/kg dry	1.08	1.08	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:14	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.101**		mg/kg dry	0.0324	0.0324	1	EPA 7473	12/01/2014 11:19	12/01/2014 15:26	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.7**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.378	0.540	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**19.2**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:19	PAM

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS

Sample Information

Client Sample ID: SP-11 10'-12'

York Sample ID: 14K0985-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	26	53	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
67-64-1	Acetone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-09-2	**Methylene chloride**	**6.7**	B	ug/kg dry	2.6	5.3	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	5.3	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
100-42-5	Styrene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
108-88-3	Toluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/02/2014 17:12	12/03/2014 07:44	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
62-53-3	Aniline	ND		ug/kg dry	91.2	182	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
120-12-7	Anthracene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
218-01-9	Chrysene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
206-44-0	Fluoranthene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
86-73-7	Fluorene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
78-59-1	Isophorone	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
91-20-3	Naphthalene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.6	91.0	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
85-01-8	Phenanthrene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
108-95-2	Phenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
129-00-0	Pyrene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
110-86-1	Pyridine	ND		ug/kg dry	91.2	182	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.8	45.6	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:23	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*63.3 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*68.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.9 %*	*10-119*

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.8 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*49.3 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*67.8 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
57-74-9	Chlordane, total	ND		ug/kg dry	72.1	72.1	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.01	9.01	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.2	91.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:36	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-140*

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10600**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-36-0	**Antimony**	**0.564**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-38-2	**Arsenic**	**1.72**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-39-3	**Barium**	**60.8**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-70-2	**Calcium**	**1640**		mg/kg dry	0.546	5.46	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-47-3	**Chromium**	**18.3**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-48-4	**Cobalt**	**8.73**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-50-8	**Copper**	**25.9**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7439-89-6	**Iron**	**18300**		mg/kg dry	2.19	2.19	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7439-92-1	**Lead**	**8.08**		mg/kg dry	0.328	0.328	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7439-95-4	**Magnesium**	**3040**		mg/kg dry	5.46	5.46	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7439-96-5	**Manganese**	**323**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-02-0	**Nickel**	**31.8**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-09-7	**Potassium**	**1250**		mg/kg dry	5.46	5.46	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7782-49-2	**Selenium**	**3.64**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-22-4	Silver	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-23-5	**Sodium**	**34.8**		mg/kg dry	10.9	10.9	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW
7440-62-2	**Vanadium**	**26.6**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW

Sample Information

Client Sample ID: **SP-11 10'-12'** **York Sample ID:** **14K0985-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 1:30 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**41.5**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:18	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473	12/01/2014 11:19	12/01/2014 15:35	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.5**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.382	0.546	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**18.3**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:19	PAM

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	33	67	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
67-64-1	**Acetone**	**5.0**	J	ug/kg dry	3.3	6.7	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
71-43-2	Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-09-2	**Methylene chloride**	**4.4**	J	ug/kg dry	3.3	6.7	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.7	6.7	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.3	6.7	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.0	10	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:04	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.3 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
62-53-3	Aniline	ND		ug/kg dry	96.6	193	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
120-12-7	Anthracene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
218-01-9	Chrysene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**38.5**	J	ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
206-44-0	Fluoranthene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
86-73-7	Fluorene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
78-59-1	Isophorone	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
91-20-3	Naphthalene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	48.2	96.3	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
85-01-8	Phenanthrene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
108-95-2	Phenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
129-00-0	Pyrene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
110-86-1	Pyridine	ND		ug/kg dry	96.6	193	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	24.2	48.2	1	EPA 8270D	12/01/2014 06:09	12/01/2014 18:54	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*60.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.4 %*	*10-119*

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.5 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*47.7 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*66.0 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
309-00-2	Aldrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
57-74-9	Chlordane, total	ND		ug/kg dry	76.3	76.3	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
72-20-8	Endrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.54	9.54	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW
8001-35-2	Toxaphene	ND		ug/kg dry	96.6	96.6	5	EPA 8081B	12/02/2014 17:12	12/03/2014 13:52	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.6 %*	*30-140*

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	12/02/2014 17:12	12/04/2014 01:54	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10800**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-36-0	Antimony	ND		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-38-2	**Arsenic**	**3.12**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-39-3	**Barium**	**55.8**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.347	0.347	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-70-2	**Calcium**	**379**		mg/kg dry	0.578	5.78	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-47-3	**Chromium**	**13.7**		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-48-4	**Cobalt**	**7.80**		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-50-8	**Copper**	**17.6**		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7439-89-6	**Iron**	**15000**		mg/kg dry	2.31	2.31	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7439-92-1	**Lead**	**110**		mg/kg dry	0.347	0.347	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7439-95-4	**Magnesium**	**1920**		mg/kg dry	5.78	5.78	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7439-96-5	**Manganese**	**463**		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-02-0	**Nickel**	**13.9**		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-09-7	**Potassium**	**608**		mg/kg dry	5.78	5.78	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7782-49-2	**Selenium**	**3.08**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-22-4	Silver	ND		mg/kg dry	0.578	0.578	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-23-5	Sodium	ND		mg/kg dry	11.6	11.6	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW

Sample Information

Client Sample ID: **SP-10 0'-2'** **York Sample ID:** **14K0985-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**63.2**		mg/kg dry	1.16	1.16	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:23	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.173**		mg/kg dry	0.0347	0.0347	1	EPA 7473	12/01/2014 11:19	12/01/2014 15:44	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.5**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.405	0.578	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.7**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:19	PAM

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	34	68	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
67-64-1	**Acetone**	**5.2**	J	ug/kg dry	3.4	6.8	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
71-43-2	Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-09-2	**Methylene chloride**	**6.9**		ug/kg dry	3.4	6.8	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.7	6.8	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.1	10	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.7	3.4	1	EPA 8260C	12/03/2014 08:07	12/03/2014 21:33	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
62-53-3	Aniline	ND		ug/kg dry	91.4	183	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
120-12-7	Anthracene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
218-01-9	Chrysene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
206-44-0	Fluoranthene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
86-73-7	Fluorene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
78-59-1	Isophorone	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
91-20-3	Naphthalene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.6	91.1	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
85-01-8	Phenanthrene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
108-95-2	Phenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
129-00-0	Pyrene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
110-86-1	Pyridine	ND		ug/kg dry	91.4	183	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.9	45.6	1	EPA 8270D	12/01/2014 12:00	12/02/2014 12:09	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*56.2 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*62.5 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*55.5 %*	*10-119*

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*51.9 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*75.7 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
309-00-2	Aldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
57-74-9	Chlordane, total	ND		ug/kg dry	72.2	72.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
72-20-8	Endrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.03	9.03	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.4	91.4	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:08	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.6 %*	*30-140*

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6460**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-38-2	**Arsenic**	**3.99**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-39-3	**Barium**	**16.2**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-70-2	**Calcium**	**252**		mg/kg dry	0.547	5.47	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-48-4	**Cobalt**	**3.73**		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-50-8	**Copper**	**6.69**		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7439-89-6	**Iron**	**9950**		mg/kg dry	2.19	2.19	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7439-92-1	**Lead**	**4.23**		mg/kg dry	0.328	0.328	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7439-95-4	**Magnesium**	**1710**		mg/kg dry	5.47	5.47	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7439-96-5	**Manganese**	**91.5**		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-02-0	**Nickel**	**12.0**		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-09-7	**Potassium**	**611**		mg/kg dry	5.47	5.47	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7782-49-2	**Selenium**	**2.40**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-23-5	Sodium	ND		mg/kg dry	10.9	10.9	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW
7440-62-2	**Vanadium**	**15.0**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW

Sample Information

Client Sample ID: **SP-10 10'-12'** **York Sample ID:** **14K0985-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0985	140127	Soil	November 25, 2014 2:30 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**41.0**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/02/2014 14:43	12/03/2014 02:28	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473	12/01/2014 11:19	12/01/2014 15:53	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.4**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.383	0.547	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**11.4**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:19	PAM

Analytical Batch Summary

Batch ID: BL40002 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/01/14
14K0985-02	SP-11 10'-12'	12/01/14
14K0985-03	SP-10 0'-2'	12/01/14
BL40002-BLK1	Blank	12/01/14
BL40002-BS1	LCS	12/01/14
BL40002-BSD1	LCS Dup	12/01/14

Batch ID: BL40003 **Preparation Method:** EPA 3550C **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-04	SP-10 10'-12'	12/01/14

Batch ID: BL40023 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/01/14
14K0985-02	SP-11 10'-12'	12/01/14
14K0985-03	SP-10 0'-2'	12/01/14
14K0985-04	SP-10 10'-12'	12/01/14
BL40023-BLK1	Blank	12/01/14
BL40023-SRM1	Reference	12/01/14

Batch ID: BL40117 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/02/14
14K0985-01	SP-11 0'-2'	12/02/14
14K0985-02	SP-11 10'-12'	12/02/14
14K0985-02	SP-11 10'-12'	12/02/14
14K0985-03	SP-10 0'-2'	12/02/14
14K0985-03	SP-10 0'-2'	12/02/14
14K0985-04	SP-10 10'-12'	12/02/14
14K0985-04	SP-10 10'-12'	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BS1	LCS	12/02/14
BL40117-BS2	LCS	12/02/14
BL40117-BSD1	LCS Dup	12/02/14
BL40117-BSD2	LCS Dup	12/02/14

Batch ID: BL40126 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date

14K0985-01	SP-11 0'-2'	12/02/14
14K0985-02	SP-11 10'-12'	12/02/14
14K0985-03	SP-10 0'-2'	12/02/14
14K0985-04	SP-10 10'-12'	12/02/14
BL40126-BLK1	Blank	12/02/14
BL40126-SRM1	Reference	12/02/14

Batch ID: BL40144 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/02/14
14K0985-02	SP-11 10'-12'	12/02/14
BL40144-BLK1	Blank	12/02/14
BL40144-BS1	LCS	12/02/14
BL40144-BSD1	LCS Dup	12/02/14

Batch ID: BL40178 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-03	SP-10 0'-2'	12/03/14
14K0985-04	SP-10 10'-12'	12/03/14
BL40178-BLK1	Blank	12/03/14
BL40178-BS1	LCS	12/03/14
BL40178-BSD1	LCS Dup	12/03/14

Batch ID: BL40197 **Preparation Method:** % Solids Prep **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/03/14
14K0985-02	SP-11 10'-12'	12/03/14
14K0985-03	SP-10 0'-2'	12/03/14
14K0985-04	SP-10 10'-12'	12/03/14

Batch ID: BL40240 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/04/14
14K0985-02	SP-11 10'-12'	12/04/14
14K0985-03	SP-10 0'-2'	12/04/14
14K0985-04	SP-10 10'-12'	12/04/14
BL40240-BLK1	Blank	12/04/14
BL40240-SRM1	Reference	12/04/14

Batch ID: BL40289 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0985-01	SP-11 0'-2'	12/04/14
14K0985-02	SP-11 10'-12'	12/04/14

14K0985-03	SP-10 0'-2'	12/04/14
14K0985-04	SP-10 10'-12'	12/04/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
Blank (BL40144-BLK1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	18	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
Blank (BL40144-BLK1)								Prepared & Analyzed: 12/02/2014			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*45.5*		*ug/L*	*50.0*		*91.0*	*77-125*				
Surrogate: p-Bromofluorobenzene	*46.7*		*"*	*50.0*		*93.3*	*76-130*				
Surrogate: Toluene-d8	*53.8*		*"*	*50.0*		*108*	*85-120*				
LCS (BL40144-BS1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	51.3		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	44.8		"	50.0		89.5	71-137				
1,1,2,2-Tetrachloroethane	56.2		"	50.0		112	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.6	58-146				
1,1,2-Trichloroethane	55.5		"	50.0		111	83-123				
1,1-Dichloroethane	50.8		"	50.0		102	75-130				
1,1-Dichloroethylene	47.1		"	50.0		94.2	64-137				
1,1-Dichloropropylene	46.6		"	50.0		93.2	77-127				
1,2,3-Trichlorobenzene	52.8		"	50.0		106	81-140				
1,2,3-Trichloropropane	52.2		"	50.0		104	81-126				
1,2,4-Trichlorobenzene	49.5		"	50.0		99.1	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	57.0		"	50.0		114	74-142				
1,2-Dibromoethane	53.5		"	50.0		107	86-123				
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122				
1,2-Dichloroethane	47.6		"	50.0		95.2	71-133				
1,2-Dichloropropane	56.2		"	50.0		112	81-122				
1,3,5-Trimethylbenzene	49.1		"	50.0		98.2	82-126				
1,3-Dichlorobenzene	50.5		"	50.0		101	84-124				
1,3-Dichloropropane	55.0		"	50.0		110	83-123				
1,4-Dichlorobenzene	51.5		"	50.0		103	84-124				
1,4-Dioxane	819		"	12500		6.55	10-228	Low Bias			
2,2-Dichloropropane	44.8		"	50.0		89.6	67-136				
2-Butanone	58.0		"	50.0		116	58-147				
2-Chlorotoluene	52.2		"	50.0		104	78-127				
4-Chlorotoluene	49.2		"	50.0		98.3	79-125				
Acetone	49.1		"	50.0		98.1	36-155				
Benzene	53.8		"	50.0		108	77-127				
Bromobenzene	52.3		"	50.0		105	77-129				
Bromochloromethane	53.7		"	50.0		107	74-129				
Bromodichloromethane	51.6		"	50.0		103	81-124				
Bromoform	54.3		"	50.0		109	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS (BL40144-BS1)							Prepared & Analyzed: 12/02/2014				
Bromomethane	51.9		ug/L	50.0		104	32-177				
Carbon tetrachloride	43.8		"	50.0		87.6	66-143				
Chlorobenzene	52.8		"	50.0		106	86-120				
Chloroethane	58.0		"	50.0		116	51-142				
Chloroform	47.1		"	50.0		94.1	76-131				
Chloromethane	53.2		"	50.0		106	49-132				
cis-1,2-Dichloroethylene	51.1		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129				
Dibromochloromethane	51.9		"	50.0		104	10-200				
Dibromomethane	53.5		"	50.0		107	83-124				
Dichlorodifluoromethane	34.9		"	50.0		69.8	28-158				
Ethyl Benzene	51.4		"	50.0		103	84-125				
Hexachlorobutadiene	49.6		"	50.0		99.1	83-133				
Isopropylbenzene	50.0		"	50.0		100	81-127				
Methyl tert-butyl ether (MTBE)	50.5		"	50.0		101	74-131				
Methylene chloride	54.9		"	50.0		110	57-141				
Naphthalene	53.9		"	50.0		108	86-141				
n-Butylbenzene	49.2		"	50.0		98.3	80-130				
n-Propylbenzene	49.5		"	50.0		98.9	74-136				
o-Xylene	51.0		"	50.0		102	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Isopropyltoluene	50.0		"	50.0		100	85-125				
sec-Butylbenzene	51.4		"	50.0		103	83-125				
Styrene	54.0		"	50.0		108	86-126				
tert-Butylbenzene	49.9		"	50.0		99.7	80-127				
Tetrachloroethylene	54.2		"	50.0		108	80-129				
Toluene	54.2		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	46.8		"	50.0		93.5	72-132				
trans-1,3-Dichloropropylene	50.8		"	50.0		102	78-132				
Trichloroethylene	53.4		"	50.0		107	84-123				
Trichlorofluoromethane	41.6		"	50.0		83.2	62-140				
Vinyl Chloride	49.3		"	50.0		98.5	52-130				
Vinyl acetate	44.6		"	50.0		89.1	67-136				
Surrogate: 1,2-Dichloroethane-d4	*44.1*		*"*	*50.0*		*88.3*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				
Surrogate: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS Dup (BL40144-BSD1)								Prepared & Analyzed: 12/02/2014			
1,1,1,2-Tetrachloroethane	52.6		ug/L	50.0		105	75-129		2.54	30	
1,1,1-Trichloroethane	48.8		"	50.0		97.7	71-137		8.76	30	
1,1,2,2-Tetrachloroethane	55.8		"	50.0		112	79-129		0.803	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.3		"	50.0		107	58-146		14.1	30	
1,1,2-Trichloroethane	56.8		"	50.0		114	83-123		2.30	30	
1,1-Dichloroethane	54.1		"	50.0		108	75-130		6.25	30	
1,1-Dichloroethylene	51.9		"	50.0		104	64-137		9.70	30	
1,1-Dichloropropylene	49.9		"	50.0		99.8	77-127		6.80	30	
1,2,3-Trichlorobenzene	51.5		"	50.0		103	81-140		2.57	30	
1,2,3-Trichloropropane	49.6		"	50.0		99.3	81-126		4.93	30	
1,2,4-Trichlorobenzene	50.3		"	50.0		101	80-141		1.50	30	
1,2,4-Trimethylbenzene	49.4		"	50.0		98.9	84-125		2.13	30	
1,2-Dibromo-3-chloropropane	52.5		"	50.0		105	74-142		8.26	30	
1,2-Dibromoethane	54.2		"	50.0		108	86-123		1.21	30	
1,2-Dichlorobenzene	54.0		"	50.0		108	85-122		1.81	30	
1,2-Dichloroethane	49.7		"	50.0		99.5	71-133		4.42	30	
1,2-Dichloropropane	58.6		"	50.0		117	81-122		4.18	30	
1,3,5-Trimethylbenzene	48.8		"	50.0		97.7	82-126		0.572	30	
1,3-Dichlorobenzene	51.1		"	50.0		102	84-124		1.18	30	
1,3-Dichloropropane	54.4		"	50.0		109	83-123		1.10	30	
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		1.41	30	
1,4-Dioxane	941		"	12500		7.53	10-228	Low Bias	13.9	30	
2,2-Dichloropropane	48.3		"	50.0		96.6	67-136		7.56	30	
2-Butanone	58.6		"	50.0		117	58-147		1.06	30	
2-Chlorotoluene	53.9		"	50.0		108	78-127		3.05	30	
4-Chlorotoluene	52.9		"	50.0		106	79-125		7.25	30	
Acetone	51.6		"	50.0		103	36-155		5.07	30	
Benzene	56.3		"	50.0		113	77-127		4.43	30	
Bromobenzene	52.2		"	50.0		104	77-129		0.153	30	
Bromochloromethane	46.2		"	50.0		92.3	74-129		15.0	30	
Bromodichloromethane	53.4		"	50.0		107	81-124		3.51	30	
Bromoform	52.2		"	50.0		104	80-136		3.83	30	
Bromomethane	53.0		"	50.0		106	32-177		2.12	30	
Carbon tetrachloride	47.6		"	50.0		95.1	66-143		8.21	30	
Chlorobenzene	53.2		"	50.0		106	86-120		0.660	30	
Chloroethane	56.8		"	50.0		114	51-142		2.11	30	
Chloroform	49.8		"	50.0		99.7	76-131		5.72	30	
Chloromethane	55.9		"	50.0		112	49-132		4.93	30	
cis-1,2-Dichloroethylene	53.9		"	50.0		108	74-132		5.35	30	
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129		0.0547	30	
Dibromochloromethane	54.0		"	50.0		108	10-200		3.87	30	
Dibromomethane	53.9		"	50.0		108	83-124		0.819	30	
Dichlorodifluoromethane	37.8		"	50.0		75.7	28-158		8.11	30	
Ethyl Benzene	52.6		"	50.0		105	84-125		2.44	30	
Hexachlorobutadiene	50.3		"	50.0		101	83-133		1.46	30	
Isopropylbenzene	49.5		"	50.0		99.1	81-127		0.904	30	
Methyl tert-butyl ether (MTBE)	53.3		"	50.0		107	74-131		5.47	30	
Methylene chloride	62.2		"	50.0		124	57-141		12.3	30	
Naphthalene	54.9		"	50.0		110	86-141		1.78	30	
n-Butylbenzene	49.1		"	50.0		98.2	80-130		0.183	30	
n-Propylbenzene	50.1		"	50.0		100	74-136		1.29	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40144 - EPA 5035A											
LCS Dup (BL40144-BSD1)							Prepared & Analyzed: 12/02/2014				
o-Xylene	52.4		ug/L	50.0		105	83-123		2.81	30	
p- & m- Xylenes	103		"	100		103	82-128		2.47	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		2.90	30	
sec-Butylbenzene	52.7		"	50.0		105	83-125		2.53	30	
Styrene	53.8		"	50.0		108	86-126		0.520	30	
tert-Butylbenzene	51.8		"	50.0		104	80-127		3.82	30	
Tetrachloroethylene	55.7		"	50.0		111	80-129		2.71	30	
Toluene	55.6		"	50.0		111	85-121		2.57	30	
trans-1,2-Dichloroethylene	51.9		"	50.0		104	72-132		10.5	30	
trans-1,3-Dichloropropylene	51.6		"	50.0		103	78-132		1.68	30	
Trichloroethylene	55.1		"	50.0		110	84-123		3.26	30	
Trichlorofluoromethane	44.7		"	50.0		89.5	62-140		7.20	30	
Vinyl Chloride	50.8		"	50.0		102	52-130		3.10	30	
Vinyl acetate	45.9		"	50.0		91.9	67-136		3.05	30	
Surrogate: 1,2-Dichloroethane-d4	*45.8*		*"*	*50.0*		*91.7*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.5*	*76-130*				
Surrogate: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				
Batch BL40178 - EPA 5035A											
Blank (BL40178-BLK1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	5.2	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40178 - EPA 5035A											
Blank (BL40178-BLK1)								Prepared & Analyzed: 12/03/2014			
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	6.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*51.4*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: p-Bromofluorobenzene	*47.8*		*"*	*50.0*		*95.7*	*76-130*				
Surrogate: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40178 - EPA 5035A											
LCS (BL40178-BS1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	46.5		ug/L	50.0		92.9	75-129				
1,1,1-Trichloroethane	52.1		"	50.0		104	71-137				
1,1,2,2-Tetrachloroethane	54.8		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.8		"	50.0		108	58-146				
1,1,2-Trichloroethane	50.2		"	50.0		100	83-123				
1,1-Dichloroethane	56.8		"	50.0		114	75-130				
1,1-Dichloroethylene	55.7		"	50.0		111	64-137				
1,1-Dichloropropylene	54.9		"	50.0		110	77-127				
1,2,3-Trichlorobenzene	53.6		"	50.0		107	81-140				
1,2,3-Trichloropropane	47.8		"	50.0		95.6	81-126				
1,2,4-Trichlorobenzene	53.4		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	49.8		"	50.0		99.7	84-125				
1,2-Dibromo-3-chloropropane	50.2		"	50.0		100	74-142				
1,2-Dibromoethane	50.8		"	50.0		102	86-123				
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122				
1,2-Dichloroethane	54.1		"	50.0		108	71-133				
1,2-Dichloropropane	52.3		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	51.7		"	50.0		103	82-126				
1,3-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,3-Dichloropropane	52.2		"	50.0		104	83-123				
1,4-Dichlorobenzene	48.0		"	50.0		96.0	84-124				
1,4-Dioxane	679		"	12500		5.43	10-228	Low Bias			
2,2-Dichloropropane	57.0		"	50.0		114	67-136				
2-Butanone	67.6		"	50.0		135	58-147				
2-Chlorotoluene	48.3		"	50.0		96.5	78-127				
4-Chlorotoluene	49.8		"	50.0		99.7	79-125				
Acetone	81.7		"	50.0		163	36-155	High Bias			
Benzene	54.1		"	50.0		108	77-127				
Bromobenzene	48.2		"	50.0		96.4	77-129				
Bromochloromethane	56.4		"	50.0		113	74-129				
Bromodichloromethane	49.8		"	50.0		99.5	81-124				
Bromoform	47.7		"	50.0		95.5	80-136				
Bromomethane	41.7		"	50.0		83.5	32-177				
Carbon tetrachloride	52.4		"	50.0		105	66-143				
Chlorobenzene	49.4		"	50.0		98.9	86-120				
Chloroethane	53.6		"	50.0		107	51-142				
Chloroform	52.8		"	50.0		106	76-131				
Chloromethane	50.9		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	54.2		"	50.0		108	74-132				
cis-1,3-Dichloropropylene	50.3		"	50.0		101	81-129				
Dibromochloromethane	49.0		"	50.0		97.9	10-200				
Dibromomethane	49.5		"	50.0		99.0	83-124				
Dichlorodifluoromethane	49.2		"	50.0		98.3	28-158				
Ethyl Benzene	47.1		"	50.0		94.2	84-125				
Hexachlorobutadiene	48.9		"	50.0		97.9	83-133				
Isopropylbenzene	50.3		"	50.0		101	81-127				
Methyl tert-butyl ether (MTBE)	55.3		"	50.0		111	74-131				
Methylene chloride	58.2		"	50.0		116	57-141				
Naphthalene	54.8		"	50.0		110	86-141				
n-Butylbenzene	53.3		"	50.0		107	80-130				
n-Propylbenzene	52.3		"	50.0		105	74-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40178 - EPA 5035A											
LCS (BL40178-BS1)							Prepared & Analyzed: 12/03/2014				
o-Xylene	49.3		ug/L	50.0		98.7	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	49.5		"	50.0		99.0	85-125				
sec-Butylbenzene	49.0		"	50.0		98.0	83-125				
Styrene	50.6		"	50.0		101	86-126				
tert-Butylbenzene	53.1		"	50.0		106	80-127				
Tetrachloroethylene	43.8		"	50.0		87.6	80-129				
Toluene	51.0		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	54.8		"	50.0		110	72-132				
trans-1,3-Dichloropropylene	50.5		"	50.0		101	78-132				
Trichloroethylene	49.2		"	50.0		98.4	84-123				
Trichlorofluoromethane	54.8		"	50.0		110	62-140				
Vinyl Chloride	52.4		"	50.0		105	52-130				
Vinyl acetate	57.3		"	50.0		115	67-136				
Surrogate: 1,2-Dichloroethane-d4	*52.9*		*"*	*50.0*		*106*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.1*		*"*	*50.0*		*96.2*	*76-130*				
Surrogate: Toluene-d8	*48.2*		*"*	*50.0*		*96.4*	*85-120*				
LCS Dup (BL40178-BSD1)							Prepared & Analyzed: 12/03/2014				
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		99.1	75-129		6.40	30	
1,1,1-Trichloroethane	50.0		"	50.0		100	71-137		4.07	30	
1,1,2,2-Tetrachloroethane	57.9		"	50.0		116	79-129		5.46	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.7		"	50.0		103	58-146		4.02	30	
1,1,2-Trichloroethane	50.8		"	50.0		102	83-123		1.15	30	
1,1-Dichloroethane	55.7		"	50.0		111	75-130		1.88	30	
1,1-Dichloroethylene	53.9		"	50.0		108	64-137		3.16	30	
1,1-Dichloropropylene	53.8		"	50.0		108	77-127		1.97	30	
1,2,3-Trichlorobenzene	49.5		"	50.0		99.0	81-140		7.88	30	
1,2,3-Trichloropropane	51.1		"	50.0		102	81-126		6.64	30	
1,2,4-Trichlorobenzene	50.3		"	50.0		101	80-141		5.98	30	
1,2,4-Trimethylbenzene	51.6		"	50.0		103	84-125		3.53	30	
1,2-Dibromo-3-chloropropane	47.0		"	50.0		94.0	74-142		6.58	30	
1,2-Dibromoethane	48.4		"	50.0		96.7	86-123		5.02	30	
1,2-Dichlorobenzene	52.0		"	50.0		104	85-122		0.656	30	
1,2-Dichloroethane	52.6		"	50.0		105	71-133		2.91	30	
1,2-Dichloropropane	49.1		"	50.0		98.2	81-122		6.37	30	
1,3,5-Trimethylbenzene	55.6		"	50.0		111	82-126		7.19	30	
1,3-Dichlorobenzene	49.3		"	50.0		98.6	84-124		4.73	30	
1,3-Dichloropropane	49.4		"	50.0		98.8	83-123		5.47	30	
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124		9.28	30	
1,4-Dioxane	633		"	12500		5.06	10-228	Low Bias	7.03	30	
2,2-Dichloropropane	56.4		"	50.0		113	67-136		0.987	30	
2-Butanone	60.3		"	50.0		121	58-147		11.5	30	
2-Chlorotoluene	53.1		"	50.0		106	78-127		9.55	30	
4-Chlorotoluene	56.5		"	50.0		113	79-125		12.5	30	
Acetone	71.8		"	50.0		144	36-155		12.9	30	
Benzene	53.6		"	50.0		107	77-127		0.817	30	
Bromobenzene	53.0		"	50.0		106	77-129		9.53	30	
Bromochloromethane	55.3		"	50.0		111	74-129		1.97	30	
Bromodichloromethane	50.4		"	50.0		101	81-124		1.32	30	
Bromoform	48.8		"	50.0		97.7	80-136		2.28	30	
Bromomethane	37.7		"	50.0		75.5	32-177		10.1	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40178 - EPA 5035A											
LCS Dup (BL40178-BSD1)							Prepared & Analyzed: 12/03/2014				
Carbon tetrachloride	52.2		ug/L	50.0		104	66-143		0.363	30	
Chlorobenzene	52.2		"	50.0		104	86-120		5.36	30	
Chloroethane	47.8		"	50.0		95.7	51-142		11.4	30	
Chloroform	53.1		"	50.0		106	76-131		0.491	30	
Chloromethane	48.8		"	50.0		97.6	49-132		4.19	30	
cis-1,2-Dichloroethylene	54.5		"	50.0		109	74-132		0.515	30	
cis-1,3-Dichloropropylene	49.5		"	50.0		98.9	81-129		1.60	30	
Dibromochloromethane	49.2		"	50.0		98.4	10-200		0.469	30	
Dibromomethane	50.2		"	50.0		100	83-124		1.30	30	
Dichlorodifluoromethane	46.9		"	50.0		93.9	28-158		4.64	30	
Ethyl Benzene	51.5		"	50.0		103	84-125		8.87	30	
Hexachlorobutadiene	49.1		"	50.0		98.2	83-133		0.347	30	
Isopropylbenzene	53.3		"	50.0		107	81-127		5.81	30	
Methyl tert-butyl ether (MTBE)	51.9		"	50.0		104	74-131		6.42	30	
Methylene chloride	57.0		"	50.0		114	57-141		2.03	30	
Naphthalene	53.2		"	50.0		106	86-141		3.11	30	
n-Butylbenzene	55.1		"	50.0		110	80-130		3.40	30	
n-Propylbenzene	58.3		"	50.0		117	74-136		10.8	30	
o-Xylene	52.6		"	50.0		105	83-123		6.34	30	
p- & m- Xylenes	104		"	100		104	82-128		0.924	30	
p-Isopropyltoluene	50.1		"	50.0		100	85-125		1.12	30	
sec-Butylbenzene	53.7		"	50.0		107	83-125		9.15	30	
Styrene	52.9		"	50.0		106	86-126		4.43	30	
tert-Butylbenzene	57.0		"	50.0		114	80-127		7.21	30	
Tetrachloroethylene	42.8		"	50.0		85.7	80-129		2.22	30	
Toluene	53.8		"	50.0		108	85-121		5.35	30	
trans-1,2-Dichloroethylene	52.6		"	50.0		105	72-132		4.08	30	
trans-1,3-Dichloropropylene	50.0		"	50.0		99.9	78-132		1.11	30	
Trichloroethylene	51.0		"	50.0		102	84-123		3.51	30	
Trichlorofluoromethane	49.7		"	50.0		99.3	62-140		9.79	30	
Vinyl Chloride	48.1		"	50.0		96.3	52-130		8.51	30	
Vinyl acetate	52.6		"	50.0		105	67-136		8.66	30	
Surrogate: 1,2-Dichloroethane-d4	*48.4*		*"*	*50.0*		*96.8*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.3*	*76-130*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
Blank (BL40002-BLK1)								Prepared & Analyzed: 12/01/2014			
Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	34.3	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
Blank (BL40002-BLK1)								Prepared & Analyzed: 12/01/2014			
2-Nitroaniline	ND	83.3	ug/kg wet								
4-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1680*		*"*	*2500*		*67.2*	*10-99*				
Surrogate: Phenol-d5	*1700*		*"*	*2510*		*67.7*	*10-108*				
Surrogate: Nitrobenzene-d5	*1060*		*"*	*1670*		*63.5*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1420*		*"*	*1670*		*85.1*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*2610*		*"*	*2510*		*104*	*10-106*				
Surrogate: Terphenyl-d14	*1970*		*"*	*1670*		*118*	*10-123*				
LCS (BL40002-BS1)								Prepared & Analyzed: 12/01/2014			
Acenaphthene	1590	41.7	ug/kg wet	1670		95.5	17-124				
Acenaphthylene	1460	41.7	"	1670		87.3	16-124				
Aniline	1030	167	"	1670		61.8	10-111				
Anthracene	1580	41.7	"	1670		94.7	24-124				
Benzo(a)anthracene	ND	41.7	"	1670			25-134	Low Bias			
Benzo(a)pyrene	1600	41.7	"	1670		95.7	29-144				
Benzo(b)fluoranthene	1790	41.7	"	1670		108	20-151				
Benzo(g,h,i)perylene	1840	41.7	"	1670		110	10-153				
Benzo(k)fluoranthene	1890	41.7	"	1670		113	10-148				
Benzyl alcohol	1410	41.7	"	1670		84.5	17-128				
Benzyl butyl phthalate	1700	41.7	"	1670		102	10-132				
4-Bromophenyl phenyl ether	1760	41.7	"	1670		106	30-138				
4-Chloro-3-methylphenol	1620	41.7	"	1670		97.1	16-138				
4-Chloroaniline	1370	41.7	"	1670		82.3	10-117				
Bis(2-chloroethoxy)methane	1290	41.7	"	1670		77.3	10-129				
Bis(2-chloroethyl)ether	1240	41.7	"	1670		74.2	14-125				
Bis(2-chloroisopropyl)ether	1200	41.7	"	1670		71.7	14-122				
2-Chloronaphthalene	1530	41.7	"	1670		91.7	22-115				
2-Chlorophenol	1310	41.7	"	1670		78.9	25-121				
4-Chlorophenyl phenyl ether	1420	41.7	"	1670		85.2	18-132				
Chrysene	2170	41.7	"	1670		130	24-116	High Bias			
Dibenzo(a,h)anthracene	1470	41.7	"	1670		88.1	17-147				
Dibenzofuran	1660	41.7	"	1670		99.3	23-123				
Di-n-butyl phthalate	1670	41.7	"	1670		100	19-123				
1,3-Dichlorobenzene	1270	41.7	"	1670		76.1	32-113				
1,4-Dichlorobenzene	1170	41.7	"	1670		70.2	28-111				
1,2-Dichlorobenzene	1270	41.7	"	1670		76.0	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS (BL40002-BS1)							Prepared & Analyzed: 12/01/2014				
3,3'-Dichlorobenzidine	2040	41.7	ug/kg wet	1670		123	10-147				
2,4-Dichlorophenol	1660	41.7	"	1670		99.8	23-133				
Diethyl phthalate	1780	41.7	"	1670		107	23-122				
2,4-Dimethylphenol	1480	41.7	"	1670		88.7	15-131				
Dimethyl phthalate	1850	41.7	"	1670		111	28-127				
4,6-Dinitro-2-methylphenol	1260	83.3	"	1670		75.7	10-149				
2,4-Dinitrophenol	1480	83.3	"	1670		88.7	10-149				
2,4-Dinitrotoluene	2150	41.7	"	1670		129	30-123	High Bias			
2,6-Dinitrotoluene	1660	41.7	"	1670		99.6	30-125				
Di-n-octyl phthalate	2180	41.7	"	1670		131	10-132				
Bis(2-ethylhexyl)phthalate	1730	41.7	"	1670		104	10-141				
Fluoranthene	1730	41.7	"	1670		104	36-125				
Fluorene	1460	41.7	"	1670		87.8	16-130				
Hexachlorobenzene	1800	41.7	"	1670		108	10-129				
Hexachlorobutadiene	1430	41.7	"	1670		85.8	22-153				
Hexachlorocyclopentadiene	672	41.7	"	1670		40.3	10-134				
Hexachloroethane	1120	41.7	"	1670		67.3	20-112				
Indeno(1,2,3-cd)pyrene	ND	41.7	"	1670			10-155	Low Bias			
Isophorone	1350	41.7	"	1670		80.9	14-131				
2-Methylnaphthalene	1360	41.7	"	1670		81.7	16-127				
2-Methylphenol	1310	41.7	"	1670		78.7	10-146				
3- & 4-Methylphenols	1210	41.7	"	1670		72.6	20-109				
Naphthalene	1240	41.7	"	1670		74.3	20-121				
3-Nitroaniline	1780	83.3	"	1670		107	23-123				
2-Nitroaniline	1850	83.3	"	1670		111	24-126				
4-Nitroaniline	2020	83.3	"	1670		121	14-125				
Nitrobenzene	1220	41.7	"	1670		73.0	20-121				
2-Nitrophenol	1370	41.7	"	1670		82.2	17-129				
4-Nitrophenol	1840	83.3	"	1670		110	10-136				
N-nitroso-di-n-propylamine	1350	41.7	"	1670		81.1	21-119				
N-Nitrosodimethylamine	1000	41.7	"	1670		60.2	10-124				
N-Nitrosodiphenylamine	1940	41.7	"	1670		116	10-163				
Pentachlorophenol	1560	41.7	"	1670		93.4	10-143				
Phenanthrene	1690	41.7	"	1670		101	24-123				
Phenol	1290	41.7	"	1670		77.3	15-123				
Pyrene	2300	41.7	"	1670		138	24-132	High Bias			
Pyridine	560	167	"	1670		33.6	10-92				
1,2,4-Trichlorobenzene	1440	41.7	"	1670		86.2	23-130				
2,4,6-Trichlorophenol	1610	41.7	"	1670		96.8	27-122				
2,4,5-Trichlorophenol	1890	41.7	"	1670		114	14-138				
Surrogate: 2-Fluorophenol	*2980*		*"*	*2500*		*119*	*10-99*				
Surrogate: Phenol-d5	*3060*		*"*	*2510*		*122*	*10-108*				
Surrogate: Nitrobenzene-d5	*1870*		*"*	*1670*		*112*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2490*		*"*	*1670*		*149*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*4080*		*"*	*2510*		*163*	*30-130*				
Surrogate: Terphenyl-d14	*3960*		*"*	*1670*		*237*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS Dup (BL40002-BSD1)							Prepared & Analyzed: 12/01/2014				
Acenaphthene	1460	41.7	ug/kg wet	1670		87.7	17-124		8.58	30	
Acenaphthylene	1310	41.7	"	1670		78.7	16-124		10.4	30	
Aniline	935	167	"	1670		56.1	10-111		9.70	30	
Anthracene	1380	41.7	"	1670		82.8	24-124		13.3	30	
Benzo(a)anthracene	1990	41.7	"	1670		120	25-134		200	30	Non-dir.
Benzo(a)pyrene	1400	41.7	"	1670		84.0	29-144		13.1	30	
Benzo(b)fluoranthene	1540	41.7	"	1670		92.4	20-151		15.3	30	
Benzo(g,h,i)perylene	1450	41.7	"	1670		86.8	10-153		23.9	30	
Benzo(k)fluoranthene	1620	41.7	"	1670		97.5	10-148		15.1	30	
Benzyl alcohol	1310	41.7	"	1670		78.4	17-128		7.54	30	
Benzyl butyl phthalate	1480	41.7	"	1670		89.1	10-132		13.8	30	
4-Bromophenyl phenyl ether	1530	41.7	"	1670		91.5	30-138		14.3	30	
4-Chloro-3-methylphenol	1460	41.7	"	1670		87.9	16-138		9.95	30	
4-Chloroaniline	1180	41.7	"	1670		70.8	10-117		15.0	30	
Bis(2-chloroethoxy)methane	1240	41.7	"	1670		74.6	10-129		3.50	30	
Bis(2-chloroethyl)ether	1180	41.7	"	1670		70.6	14-125		4.94	30	
Bis(2-chloroisopropyl)ether	1130	41.7	"	1670		67.9	14-122		5.53	30	
2-Chloronaphthalene	1430	41.7	"	1670		85.9	22-115		6.60	30	
2-Chlorophenol	1250	41.7	"	1670		75.1	25-121		4.88	30	
4-Chlorophenyl phenyl ether	1330	41.7	"	1670		79.7	18-132		6.62	30	
Chrysene	1840	41.7	"	1670		110	24-116		16.7	30	
Dibenzo(a,h)anthracene	1200	41.7	"	1670		71.8	17-147		20.5	30	
Dibenzofuran	1500	41.7	"	1670		89.9	23-123		9.93	30	
Di-n-butyl phthalate	1470	41.7	"	1670		88.3	19-123		12.7	30	
1,3-Dichlorobenzene	1160	41.7	"	1670		69.6	32-113		8.98	30	
1,4-Dichlorobenzene	1070	41.7	"	1670		64.4	28-111		8.58	30	
1,2-Dichlorobenzene	1170	41.7	"	1670		70.1	26-113		8.05	30	
3,3'-Dichlorobenzidine	1720	41.7	"	1670		103	10-147		17.4	30	
2,4-Dichlorophenol	1570	41.7	"	1670		94.2	23-133		5.69	30	
Diethyl phthalate	1560	41.7	"	1670		93.3	23-122		13.4	30	
2,4-Dimethylphenol	1390	41.7	"	1670		83.5	15-131		6.09	30	
Dimethyl phthalate	1620	41.7	"	1670		97.1	28-127		13.4	30	
4,6-Dinitro-2-methylphenol	1190	83.3	"	1670		71.3	10-149		5.99	30	
2,4-Dinitrophenol	1440	83.3	"	1670		86.3	10-149		2.77	30	
2,4-Dinitrotoluene	1850	41.7	"	1670		111	30-123		15.2	30	
2,6-Dinitrotoluene	1410	41.7	"	1670		84.6	30-125		16.3	30	
Di-n-octyl phthalate	1870	41.7	"	1670		112	10-132		15.6	30	
Bis(2-ethylhexyl)phthalate	1470	41.7	"	1670		88.1	10-141		16.6	30	
Fluoranthene	1490	41.7	"	1670		89.4	36-125		14.9	30	
Fluorene	1350	41.7	"	1670		80.7	16-130		8.43	30	
Hexachlorobenzene	1540	41.7	"	1670		92.6	10-129		15.5	30	
Hexachlorobutadiene	1380	41.7	"	1670		82.8	22-153		3.61	30	
Hexachlorocyclopentadiene	698	41.7	"	1670		41.9	10-134		3.84	30	
Hexachloroethane	1060	41.7	"	1670		63.5	20-112		5.81	30	
Indeno(1,2,3-cd)pyrene	1340	41.7	"	1670		80.5	10-155		200	30	Non-dir.
Isophorone	1260	41.7	"	1670		75.7	14-131		6.61	30	
2-Methylnaphthalene	1270	41.7	"	1670		76.5	16-127		6.60	30	
2-Methylphenol	1240	41.7	"	1670		74.3	10-146		5.70	30	
3- & 4-Methylphenols	1130	41.7	"	1670		67.8	20-109		6.75	30	
Naphthalene	1170	41.7	"	1670		70.1	20-121		5.84	30	
3-Nitroaniline	1470	83.3	"	1670		88.4	23-123		18.6	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40002 - EPA 3550C											
LCS Dup (BL40002-BSD1)							Prepared & Analyzed: 12/01/2014				
2-Nitroaniline	1650	83.3	ug/kg wet	1670		99.2	24-126		11.3	30	
4-Nitroaniline	1690	83.3	"	1670		101	14-125		17.8	30	
Nitrobenzene	1170	41.7	"	1670		70.3	20-121		3.85	30	
2-Nitrophenol	1330	41.7	"	1670		79.8	17-129		2.94	30	
4-Nitrophenol	1650	83.3	"	1670		98.7	10-136		11.2	30	
N-nitroso-di-n-propylamine	1270	41.7	"	1670		76.0	21-119		6.52	30	
N-Nitrosodimethylamine	754	41.7	"	1670		45.2	10-124		28.4	30	
N-Nitrosodiphenylamine	1710	41.7	"	1670		103	10-163		12.6	30	
Pentachlorophenol	1370	41.7	"	1670		82.0	10-143		13.0	30	
Phenanthrene	1440	41.7	"	1670		86.6	24-123		15.6	30	
Phenol	1190	41.7	"	1670		71.5	15-123		7.88	30	
Pyrene	1920	41.7	"	1670		115	24-132		18.1	30	
Pyridine	628	167	"	1670		37.7	10-92		11.5	30	
1,2,4-Trichlorobenzene	1370	41.7	"	1670		82.3	23-130		4.58	30	
2,4,6-Trichlorophenol	1480	41.7	"	1670		89.1	27-122		8.24	30	
2,4,5-Trichlorophenol	1720	41.7	"	1670		103	14-138		9.50	30	
Surrogate: 2-Fluorophenol	*2590*		*"*	*2500*		*104*	*10-99*				
Surrogate: Phenol-d5	*2730*		*"*	*2510*		*109*	*10-108*				
Surrogate: Nitrobenzene-d5	*1700*		*"*	*1670*		*102*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2270*		*"*	*1670*		*136*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*3480*		*"*	*2510*		*139*	*30-130*				
Surrogate: Terphenyl-d14	*3130*		*"*	*1670*		*187*	*10-123*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*46.4*		*"*	*67.7*		*68.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*46.5*		*"*	*67.0*		*69.5*	*30-140*				
LCS (BL40117-BS1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	25.1	0.330	ug/kg wet	33.3		75.4	40-140				
4,4'-DDE	22.4	0.330	"	33.3		67.1	40-140				
4,4'-DDT	23.5	0.330	"	33.3		70.4	40-140				
Aldrin	18.2	0.330	"	33.3		54.6	40-140				
alpha-BHC	20.9	0.330	"	33.3		62.6	40-140				
beta-BHC	20.1	0.330	"	33.3		60.4	40-140				
gamma-Chlordane	18.8	0.330	"	33.3		56.4	40-140				
delta-BHC	19.4	0.330	"	33.3		58.2	40-140				
Dieldrin	19.5	0.330	"	33.3		58.4	40-140				
Endosulfan I	18.9	0.330	"	33.3		56.6	40-140				
Endosulfan II	20.5	0.330	"	33.3		61.5	40-140				
Endosulfan sulfate	19.9	0.330	"	33.3		59.7	40-140				
Endrin	20.8	0.330	"	33.3		62.4	40-140				
Endrin aldehyde	15.6	0.330	"	33.3		46.7	40-140				
Endrin ketone	19.3	0.330	"	33.3		57.9	40-140				
gamma-BHC (Lindane)	19.5	0.330	"	33.3		58.5	40-140				
Heptachlor	18.4	0.330	"	33.3		55.1	40-140				
Heptachlor epoxide	19.1	0.330	"	33.3		57.3	40-140				
alpha-Chlordane	19.4	0.330	"	33.3		58.2	40-140				
Methoxychlor	24.5	1.65	"	33.3		73.4	40-140				
Surrogate: Tetrachloro-m-xylene	*36.6*		*"*	*67.7*		*54.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*36.1*		*"*	*67.0*		*53.9*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
LCS Dup (BL40117-BSD1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	31.7	0.330	ug/kg wet	33.3		95.0	40-140		23.1	30	
4,4'-DDE	27.6	0.330	"	33.3		82.8	40-140		20.9	30	
4,4'-DDT	30.4	0.330	"	33.3		91.2	40-140		25.7	30	
Aldrin	21.8	0.330	"	33.3		65.5	40-140		18.3	30	
alpha-BHC	24.8	0.330	"	33.3		74.5	40-140		17.3	30	
beta-BHC	24.4	0.330	"	33.3		73.2	40-140		19.0	30	
gamma-Chlordane	23.2	0.330	"	33.3		69.6	40-140		21.0	30	
delta-BHC	23.8	0.330	"	33.3		71.3	40-140		20.3	30	
Dieldrin	24.0	0.330	"	33.3		72.0	40-140		20.8	30	
Endosulfan I	23.2	0.330	"	33.3		69.7	40-140		20.6	30	
Endosulfan II	25.4	0.330	"	33.3		76.2	40-140		21.3	30	
Endosulfan sulfate	25.4	0.330	"	33.3		76.1	40-140		24.1	30	
Endrin	24.9	0.330	"	33.3		74.8	40-140		18.1	30	
Endrin aldehyde	18.8	0.330	"	33.3		56.4	40-140		18.8	30	
Endrin ketone	24.7	0.330	"	33.3		74.2	40-140		24.6	30	
gamma-BHC (Lindane)	24.2	0.330	"	33.3		72.5	40-140		21.3	30	
Heptachlor	22.6	0.330	"	33.3		67.8	40-140		20.6	30	
Heptachlor epoxide	23.4	0.330	"	33.3		70.3	40-140		20.3	30	
alpha-Chlordane	23.8	0.330	"	33.3		71.4	40-140		20.3	30	
Methoxychlor	22.5	1.65	"	33.3		67.5	40-140		8.31	30	
Surrogate: Tetrachloro-m-xylene	*42.7*		*"*	*67.7*		*63.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*40.5*		*"*	*67.0*		*60.4*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0603*		*"*	*0.0677*		*89.2*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0500*		*"*	*0.0670*		*74.6*	*30-140*				
LCS (BL40117-BS2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.266	0.0167	mg/kg wet	0.333		79.8	40-130				
Aroclor 1260	0.260	0.0167	"	0.333		77.9	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0480*		*"*	*0.0677*		*70.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0423*		*"*	*0.0670*		*63.2*	*30-140*				
LCS Dup (BL40117-BSD2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.391	0.0167	mg/kg wet	0.333		117	40-130		38.0	25	Non-dir.
Aroclor 1260	0.378	0.0167	"	0.333		113	40-130		37.1	25	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.0780*		*"*	*0.0677*		*115*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0637*		*"*	*0.0670*		*95.0*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40126 - EPA 3050B											
Blank (BL40126-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BL40126-SRM1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aluminum	7440	1.00	mg/kg wet	8740		85.1	41.6-158				
Antimony	106	0.500	"	108		97.7	23-255				
Arsenic	143	1.00	"	151		94.7	70.9-130				
Barium	266	1.00	"	262		102	73.7-126				
Beryllium	130	0.100	"	133		98.0	75.1-125				
Cadmium	141	0.300	"	152		92.8	73-126				
Calcium	6440	5.00	"	6400		101	73.9-126				
Chromium	110	0.500	"	117		94.4	69.7-130				
Cobalt	69.9	0.500	"	68.7		102	74.4-126				
Copper	70.3	0.500	"	68.6		102	73.2-129				
Iron	12400	2.00	"	12300		101	30.5-170				
Lead	238	0.300	"	254		93.8	75.6-125				
Magnesium	3550	5.00	"	3600		98.7	68.3-132				
Manganese	554	0.500	"	563		98.3	77.4-123				
Nickel	314	0.500	"	315		99.8	74.3-127				
Potassium	2930	5.00	"	3040		96.5	62.5-137				
Selenium	157	1.00	"	162		96.9	67.3-132				
Silver	42.1	0.500	"	44.3		95.0	66.4-124				
Sodium	658	10.0	"	746		88.2	56.8-143				
Thallium	244	1.00	"	259		94.4	69.5-131				
Vanadium	110	1.00	"	116		94.9	67.5-132				
Zinc	288	1.00	"	306		94.0	71.9-133				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40023 - EPA 7473 soil											
Blank (BL40023-BLK1)								Prepared & Analyzed: 12/01/2014			
Mercury	ND	0.0300	mg/kg wet								
Reference (BL40023-SRM1)								Prepared & Analyzed: 12/01/2014			
Mercury	3.1986		mg/kg	3.73		85.8	68.6-131				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40240 - EPA SW846-3060											
Blank (BL40240-BLK1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BL40240-SRM1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	114		mg/L	125		91.2	20.2-180				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14K0985-01	SP-11 0'-2'	40mL Vial with Stir Bar-Cool 4° C
14K0985-02	SP-11 10'-12'	40mL Vial with Stir Bar-Cool 4° C
14K0985-03	SP-10 0'-2'	40mL Vial with Stir Bar-Cool 4° C
14K0985-04	SP-10 10'-12'	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

S-D	The surrogates were spiked at twice the normal concentration and recovery is within limits.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14K0985

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	140127	RUSH-Same Day	Summary Report x
Address: 15 Ocean Ave 2nd Fl	Name:	Name: Muslima Ward		RUSH-Next Day	QA Report X
Brooklyn, NY 11225	Company:	Company: Hydro Tech Env, Corp	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G	7100	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Holly Hawkins		Hauppauge, NY		~~RUSH~~-Four Day X	NY ASP A Package
E-mail: hhawkins@hydrotechenvironmental.com	E-mail:	E-mail mward@hydrotechenvironmental.com	Samples from CT__NY__NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel x
					NYSDEC EQuIS X
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: NYSDEC Part 375 Unrestricted SCO-Residential SCO
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Nick Mancuso
Samples Collected/Authorized By (Signature)

Nick Mancuso
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxin/Furan
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SP-11 0'-2'	11.25.14/1:30	S	EPA 8260, 8270BNA, 8081/8082, Tal Metals, Chromium hexavalent & trivalent	8 oz jar & Terracore set
SP-11 10'-12'	11.25.14/1:30	S	"	"
SP-10 0'-2'	11.25.14/2:30	S	"	"
SP-10 10'-12'	11.25.14/2:30	S	"	"
		~~S~~	"	"
		~~S~~	"	"

Comments:

E-Designation Parameters
4 Day TAT as per agreement

Preservation (appliciable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	11/26/14 1224	K Baker	11/26/14 1230 pm	5.1 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		PGrace	11-26-14 1645	

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0988

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/04/2014
Client Project ID: 140127
York Project (SDG) No.: 14K0988

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 26, 2014 and listed below. The project was identified as your project: **140127**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14K0988-01	SP-14 0-2	Soil	11/26/2014	11/26/2014
14K0988-02	SP-14 2-4	Soil	11/26/2014	11/26/2014

General Notes for York Project (SDG) No.: 14K0988

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 12/04/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-14 0-2** **York Sample ID:** **14K0988-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	26	51	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
67-64-1	**Acetone**	**3.8**	J	ug/kg dry	2.6	5.1	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS

Sample Information

Client Sample ID: SP-14 0-2 **York Sample ID:** 14K0988-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	5.1	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
100-42-5	Styrene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
108-88-3	Toluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.8	7.7	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 16:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Sample Information

Client Sample ID: SP-14 0-2 **York Sample ID:** 14K0988-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
62-53-3	Aniline	ND		ug/kg dry	132	265	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
120-12-7	Anthracene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
218-01-9	Chrysene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH

Sample Information

Client Sample ID: SP-14 0-2 **York Sample ID:** 14K0988-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
206-44-0	Fluoranthene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
86-73-7	Fluorene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
78-59-1	Isophorone	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
91-20-3	Naphthalene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	66.1	132	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
85-01-8	Phenanthrene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
108-95-2	Phenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
129-00-0	Pyrene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
110-86-1	Pyridine	ND		ug/kg dry	132	265	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	33.1	66.1	1	EPA 8270D	12/01/2014 15:00	12/02/2014 12:41	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*16.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*54.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*14.8 %*	*10-119*

Sample Information

Client Sample ID: SP-14 0-2 **York Sample ID:** 14K0988-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.3 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*92.5 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*102 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
309-00-2	Aldrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
57-74-9	Chlordane, total	ND		ug/kg dry	69.7	69.7	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
72-20-8	Endrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.71	8.71	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW
8001-35-2	Toxaphene	ND		ug/kg dry	88.2	88.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:24	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.2 %*	*30-140*

Sample Information

Client Sample ID: **SP-14 0-2** **York Sample ID:** **14K0988-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A	12/02/2014 17:12	12/04/2014 02:52	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8670**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-36-0	Antimony	ND		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-38-2	**Arsenic**	**3.20**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-39-3	**Barium**	**62.6**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.317	0.317	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-70-2	**Calcium**	**1540**		mg/kg dry	0.528	5.28	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-47-3	**Chromium**	**14.2**		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-48-4	**Cobalt**	**6.94**		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-50-8	**Copper**	**23.4**		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7439-89-6	**Iron**	**15000**		mg/kg dry	2.11	2.11	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7439-92-1	**Lead**	**63.5**		mg/kg dry	0.317	0.317	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7439-95-4	**Magnesium**	**2910**		mg/kg dry	5.28	5.28	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7439-96-5	**Manganese**	**321**		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-02-0	**Nickel**	**32.0**		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-09-7	**Potassium**	**981**		mg/kg dry	5.28	5.28	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7782-49-2	**Selenium**	**4.92**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.528	0.528	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-23-5	**Sodium**	**113**		mg/kg dry	10.6	10.6	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW
7440-62-2	**Vanadium**	**25.0**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW

Sample Information

Client Sample ID: SP-14 0-2 **York Sample ID:** 14K0988-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**52.3**		mg/kg dry	1.06	1.06	1	EPA 6010C	12/03/2014 14:04	12/03/2014 20:56	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.440**		mg/kg dry	0.0317	0.0317	1	EPA 7473	12/01/2014 11:19	12/01/2014 16:02	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.7**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.370	0.528	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.2**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:20	PAM

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	26	52	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
67-64-1	**Acetone**	**3.9**	CCV-E, J	ug/kg dry	2.6	5.2	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
71-43-2	Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-09-2	**Methylene chloride**	**2.9**	J	ug/kg dry	2.6	5.2	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.3	5.2	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
100-42-5	Styrene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
108-88-3	Toluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.9	7.8	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.3	2.6	1	EPA 8260C	12/03/2014 16:32	12/04/2014 08:23	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.6 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.3 %*	*85-120*

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
62-53-3	Aniline	ND		ug/kg dry	137	273	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
120-12-7	Anthracene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
218-01-9	Chrysene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
206-44-0	Fluoranthene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
86-73-7	Fluorene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
78-59-1	Isophorone	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
91-20-3	Naphthalene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	68.3	136	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
85-01-8	Phenanthrene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
108-95-2	Phenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
129-00-0	Pyrene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
110-86-1	Pyridine	ND		ug/kg dry	137	273	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	34.2	68.3	1	EPA 8270D	12/01/2014 15:00	12/02/2014 13:13	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*24.9 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*65.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*21.3 %*	*10-119*

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*71.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*99.1 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*103 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
57-74-9	Chlordane, total	ND		ug/kg dry	72.0	72.0	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.01	9.01	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.2	91.2	5	EPA 8081B	12/02/2014 17:12	12/03/2014 14:40	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.0 %*	*30-140*

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	12/02/2014 17:12	12/04/2014 03:22	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10600**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-36-0	Antimony	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-38-2	**Arsenic**	**5.77**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-39-3	**Barium**	**64.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-70-2	**Calcium**	**3630**		mg/kg dry	0.546	5.46	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-47-3	**Chromium**	**20.8**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-48-4	**Cobalt**	**8.95**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-50-8	**Copper**	**27.5**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7439-89-6	**Iron**	**20700**		mg/kg dry	2.18	2.18	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7439-92-1	**Lead**	**66.9**		mg/kg dry	0.328	0.328	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7439-95-4	**Magnesium**	**3940**		mg/kg dry	5.46	5.46	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7439-96-5	**Manganese**	**458**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-02-0	**Nickel**	**33.2**		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-09-7	**Potassium**	**1330**		mg/kg dry	5.46	5.46	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7782-49-2	**Selenium**	**5.12**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-22-4	Silver	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-23-5	**Sodium**	**193**		mg/kg dry	10.9	10.9	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW
7440-62-2	**Vanadium**	**31.4**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW

Sample Information

Client Sample ID: SP-14 2-4 **York Sample ID:** 14K0988-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0988	140127	Soil	November 26, 2014 12:00 pm	11/26/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**67.2**		mg/kg dry	1.09	1.09	1	EPA 6010C	12/03/2014 14:04	12/03/2014 21:00	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.403**		mg/kg dry	0.0328	0.0328	1	EPA 7473	12/01/2014 11:19	12/01/2014 16:11	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.6**		%	0.100	0.100	1	SM 2540G	12/03/2014 13:37	12/03/2014 19:05	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.382	0.546	1	EPA 7196A	12/04/2014 07:27	12/04/2014 14:46	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**20.8**		mg/kg	0.250	0.500	1	Calculation	12/04/2014 14:53	12/04/2014 17:20	PAM

Analytical Batch Summary

Batch ID: BL40023 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/01/14
14K0988-02	SP-14 2-4	12/01/14
BL40023-BLK1	Blank	12/01/14
BL40023-SRM1	Reference	12/01/14

Batch ID: BL40041 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/01/14
14K0988-02	SP-14 2-4	12/01/14
BL40041-BLK1	Blank	12/01/14
BL40041-BS1	LCS	12/01/14
BL40041-BSD1	LCS Dup	12/01/14

Batch ID: BL40117 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/02/14
14K0988-01	SP-14 0-2	12/02/14
14K0988-02	SP-14 2-4	12/02/14
14K0988-02	SP-14 2-4	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BLK1	Blank	12/02/14
BL40117-BS1	LCS	12/02/14
BL40117-BS2	LCS	12/02/14
BL40117-BSD1	LCS Dup	12/02/14
BL40117-BSD2	LCS Dup	12/02/14

Batch ID: BL40197 **Preparation Method:** % Solids Prep **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/03/14
14K0988-02	SP-14 2-4	12/03/14

Batch ID: BL40205 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/03/14
14K0988-02	SP-14 2-4	12/03/14
BL40205-BLK1	Blank	12/03/14
BL40205-SRM1	Reference	12/03/14

Batch ID: BL40221 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/03/14
14K0988-02	SP-14 2-4	12/03/14
BL40221-BLK1	Blank	12/03/14
BL40221-BS1	LCS	12/03/14
BL40221-BSD1	LCS Dup	12/03/14

Batch ID: BL40240 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/04/14
14K0988-02	SP-14 2-4	12/04/14
BL40240-BLK1	Blank	12/04/14
BL40240-SRM1	Reference	12/04/14

Batch ID: BL40289 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0988-01	SP-14 0-2	12/04/14
14K0988-02	SP-14 2-4	12/04/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40221 - EPA 5035A											
Blank (BL40221-BLK1)											Prepared: 12/03/2014 Analyzed: 12/04/2014
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	4.6	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40221 - EPA 5035A											
Blank (BL40221-BLK1)								Prepared: 12/03/2014 Analyzed: 12/04/2014			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*47.9*		*ug/L*	*50.0*		*95.9*	*77-125*				
Surrogate: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.1*	*76-130*				
Surrogate: Toluene-d8	*51.9*		*"*	*50.0*		*104*	*85-120*				
LCS (BL40221-BS1)								Prepared & Analyzed: 12/03/2014			
1,1,1,2-Tetrachloroethane	52.5		ug/L	50.0		105	75-129				
1,1,1-Trichloroethane	51.7		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	54.0		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.0		"	50.0		75.9	58-146				
1,1,2-Trichloroethane	55.3		"	50.0		111	83-123				
1,1-Dichloroethane	50.7		"	50.0		101	75-130				
1,1-Dichloroethylene	41.6		"	50.0		83.2	64-137				
1,1-Dichloropropylene	52.8		"	50.0		106	77-127				
1,2,3-Trichlorobenzene	50.4		"	50.0		101	81-140				
1,2,3-Trichloropropane	51.3		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	48.1		"	50.0		96.2	80-141				
1,2,4-Trimethylbenzene	50.4		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	56.2		"	50.0		112	74-142				
1,2-Dibromoethane	55.5		"	50.0		111	86-123				
1,2-Dichlorobenzene	53.1		"	50.0		106	85-122				
1,2-Dichloroethane	53.8		"	50.0		108	71-133				
1,2-Dichloropropane	54.3		"	50.0		109	81-122				
1,3,5-Trimethylbenzene	46.6		"	50.0		93.3	82-126				
1,3-Dichlorobenzene	49.0		"	50.0		98.1	84-124				
1,3-Dichloropropane	54.1		"	50.0		108	83-123				
1,4-Dichlorobenzene	51.0		"	50.0		102	84-124				
1,4-Dioxane	1140		"	12500		9.14	10-228	Low Bias			
2,2-Dichloropropane	48.7		"	50.0		97.5	67-136				
2-Butanone	48.8		"	50.0		97.5	58-147				
2-Chlorotoluene	51.0		"	50.0		102	78-127				
4-Chlorotoluene	47.0		"	50.0		94.0	79-125				
Acetone	31.3		"	50.0		62.7	36-155				
Benzene	55.4		"	50.0		111	77-127				
Bromobenzene	48.0		"	50.0		96.1	77-129				
Bromochloromethane	56.2		"	50.0		112	74-129				
Bromodichloromethane	54.1		"	50.0		108	81-124				
Bromoform	54.9		"	50.0		110	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40221 - EPA 5035A											
LCS (BL40221-BS1)							Prepared & Analyzed: 12/03/2014				
Bromomethane	38.1		ug/L	50.0		76.2	32-177				
Carbon tetrachloride	51.8		"	50.0		104	66-143				
Chlorobenzene	52.5		"	50.0		105	86-120				
Chloroethane	39.8		"	50.0		79.7	51-142				
Chloroform	53.0		"	50.0		106	76-131				
Chloromethane	53.1		"	50.0		106	49-132				
cis-1,2-Dichloroethylene	54.9		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	50.9		"	50.0		102	81-129				
Dibromochloromethane	54.0		"	50.0		108	10-200				
Dibromomethane	56.0		"	50.0		112	83-124				
Dichlorodifluoromethane	57.8		"	50.0		116	28-158				
Ethyl Benzene	52.2		"	50.0		104	84-125				
Hexachlorobutadiene	55.8		"	50.0		112	83-133				
Isopropylbenzene	54.8		"	50.0		110	81-127				
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		100	74-131				
Methylene chloride	51.1		"	50.0		102	57-141				
Naphthalene	49.2		"	50.0		98.5	86-141				
n-Butylbenzene	53.4		"	50.0		107	80-130				
n-Propylbenzene	52.9		"	50.0		106	74-136				
o-Xylene	53.0		"	50.0		106	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	49.6		"	50.0		99.2	85-125				
sec-Butylbenzene	51.0		"	50.0		102	83-125				
Styrene	55.3		"	50.0		111	86-126				
tert-Butylbenzene	12.6		"	50.0		25.2	80-127	Low Bias			
Tetrachloroethylene	53.2		"	50.0		106	80-129				
Toluene	53.6		"	50.0		107	85-121				
trans-1,2-Dichloroethylene	48.3		"	50.0		96.6	72-132				
trans-1,3-Dichloropropylene	49.4		"	50.0		98.8	78-132				
Trichloroethylene	52.2		"	50.0		104	84-123				
Trichlorofluoromethane	43.0		"	50.0		85.9	62-140				
Vinyl Chloride	42.8		"	50.0		85.6	52-130				
Vinyl acetate	56.4		"	50.0		113	67-136				
Surrogate: 1,2-Dichloroethane-d4	*49.9*		*"*	*50.0*		*99.9*	*77-125*				
Surrogate: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.3*	*76-130*				
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40221 - EPA 5035A											
LCS Dup (BL40221-BSD1)								Prepared & Analyzed: 12/03/2014			
1,1,1,2-Tetrachloroethane	50.6		ug/L	50.0		101	75-129		3.71	30	
1,1,1-Trichloroethane	50.3		"	50.0		101	71-137		2.71	30	
1,1,2,2-Tetrachloroethane	53.2		"	50.0		106	79-129		1.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.7		"	50.0		77.4	58-146		1.93	30	
1,1,2-Trichloroethane	56.2		"	50.0		112	83-123		1.47	30	
1,1-Dichloroethane	49.3		"	50.0		98.5	75-130		2.78	30	
1,1-Dichloroethylene	40.4		"	50.0		80.7	64-137		3.00	30	
1,1-Dichloropropylene	52.0		"	50.0		104	77-127		1.45	30	
1,2,3-Trichlorobenzene	46.4		"	50.0		92.8	81-140		8.32	30	
1,2,3-Trichloropropane	55.1		"	50.0		110	81-126		7.15	30	
1,2,4-Trichlorobenzene	46.6		"	50.0		93.2	80-141		3.21	30	
1,2,4-Trimethylbenzene	48.4		"	50.0		96.9	84-125		3.93	30	
1,2-Dibromo-3-chloropropane	53.6		"	50.0		107	74-142		4.77	30	
1,2-Dibromoethane	55.2		"	50.0		110	86-123		0.579	30	
1,2-Dichlorobenzene	51.6		"	50.0		103	85-122		2.94	30	
1,2-Dichloroethane	51.2		"	50.0		102	71-133		4.84	30	
1,2-Dichloropropane	54.8		"	50.0		110	81-122		0.788	30	
1,3,5-Trimethylbenzene	44.3		"	50.0		88.6	82-126		5.10	30	
1,3-Dichlorobenzene	47.6		"	50.0		95.1	84-124		3.09	30	
1,3-Dichloropropane	53.8		"	50.0		108	83-123		0.649	30	
1,4-Dichlorobenzene	49.9		"	50.0		99.8	84-124		2.12	30	
1,4-Dioxane	1240		"	12500		9.88	10-228	Low Bias	7.79	30	
2,2-Dichloropropane	49.5		"	50.0		99.0	67-136		1.55	30	
2-Butanone	47.1		"	50.0		94.1	58-147		3.51	30	
2-Chlorotoluene	50.0		"	50.0		99.9	78-127		2.08	30	
4-Chlorotoluene	46.4		"	50.0		92.9	79-125		1.24	30	
Acetone	30.3		"	50.0		60.6	36-155		3.31	30	
Benzene	54.7		"	50.0		109	77-127		1.16	30	
Bromobenzene	46.1		"	50.0		92.3	77-129		4.08	30	
Bromochloromethane	54.6		"	50.0		109	74-129		2.89	30	
Bromodichloromethane	53.6		"	50.0		107	81-124		0.984	30	
Bromoform	53.7		"	50.0		107	80-136		2.19	30	
Bromomethane	35.7		"	50.0		71.5	32-177		6.44	30	
Carbon tetrachloride	52.4		"	50.0		105	66-143		1.17	30	
Chlorobenzene	53.2		"	50.0		106	86-120		1.25	30	
Chloroethane	35.7		"	50.0		71.4	51-142		10.9	30	
Chloroform	54.9		"	50.0		110	76-131		3.50	30	
Chloromethane	56.2		"	50.0		112	49-132		5.69	30	
cis-1,2-Dichloroethylene	54.2		"	50.0		108	74-132		1.25	30	
cis-1,3-Dichloropropylene	50.1		"	50.0		100	81-129		1.47	30	
Dibromochloromethane	55.8		"	50.0		112	10-200		3.37	30	
Dibromomethane	54.4		"	50.0		109	83-124		3.01	30	
Dichlorodifluoromethane	55.2		"	50.0		110	28-158		4.56	30	
Ethyl Benzene	52.8		"	50.0		106	84-125		1.24	30	
Hexachlorobutadiene	55.0		"	50.0		110	83-133		1.34	30	
Isopropylbenzene	52.4		"	50.0		105	81-127		4.46	30	
Methyl tert-butyl ether (MTBE)	49.8		"	50.0		99.5	74-131		0.601	30	
Methylene chloride	49.2		"	50.0		98.4	57-141		3.71	30	
Naphthalene	48.8		"	50.0		97.6	86-141		0.877	30	
n-Butylbenzene	50.1		"	50.0		100	80-130		6.55	30	
n-Propylbenzene	50.5		"	50.0		101	74-136		4.64	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40221 - EPA 5035A											
LCS Dup (BL40221-BSD1)							Prepared & Analyzed: 12/03/2014				
o-Xylene	53.0		ug/L	50.0		106	83-123		0.00	30	
p- & m- Xylenes	107		"	100		107	82-128		0.0745	30	
p-Isopropyltoluene	48.1		"	50.0		96.2	85-125		3.01	30	
sec-Butylbenzene	50.0		"	50.0		100	83-125		1.86	30	
Styrene	56.0		"	50.0		112	86-126		1.35	30	
tert-Butylbenzene	51.0		"	50.0		102	80-127		121	30	Non-dir.
Tetrachloroethylene	52.3		"	50.0		105	80-129		1.59	30	
Toluene	54.5		"	50.0		109	85-121		1.78	30	
trans-1,2-Dichloroethylene	48.0		"	50.0		96.1	72-132		0.498	30	
trans-1,3-Dichloropropylene	49.9		"	50.0		99.9	78-132		1.11	30	
Trichloroethylene	52.1		"	50.0		104	84-123		0.249	30	
Trichlorofluoromethane	41.6		"	50.0		83.2	62-140		3.29	30	
Vinyl Chloride	43.1		"	50.0		86.2	52-130		0.675	30	
Vinyl acetate	57.5		"	50.0		115	67-136		2.00	30	
Surrogate: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: p-Bromofluorobenzene	*43.8*		*"*	*50.0*		*87.6*	*76-130*				
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40041 - EPA 3545A											
Blank (BL40041-BLK1)								Prepared: 12/01/2014 Analyzed: 12/02/2014			
Acenaphthene	ND	62.6	ug/kg wet								
Acenaphthylene	ND	62.6	"								
Aniline	ND	250	"								
Anthracene	ND	62.6	"								
Benzo(a)anthracene	ND	62.6	"								
Benzo(a)pyrene	ND	62.6	"								
Benzo(b)fluoranthene	ND	62.6	"								
Benzo(g,h,i)perylene	ND	62.6	"								
Benzo(k)fluoranthene	ND	62.6	"								
Benzyl alcohol	ND	62.6	"								
Benzyl butyl phthalate	ND	62.6	"								
4-Bromophenyl phenyl ether	ND	62.6	"								
4-Chloro-3-methylphenol	ND	62.6	"								
4-Chloroaniline	ND	62.6	"								
Bis(2-chloroethoxy)methane	ND	62.6	"								
Bis(2-chloroethyl)ether	ND	62.6	"								
Bis(2-chloroisopropyl)ether	ND	62.6	"								
2-Chloronaphthalene	ND	62.6	"								
2-Chlorophenol	ND	62.6	"								
4-Chlorophenyl phenyl ether	ND	62.6	"								
Chrysene	ND	62.6	"								
Dibenzo(a,h)anthracene	ND	62.6	"								
Dibenzofuran	ND	62.6	"								
Di-n-butyl phthalate	ND	62.6	"								
1,3-Dichlorobenzene	ND	62.6	"								
1,4-Dichlorobenzene	ND	62.6	"								
1,2-Dichlorobenzene	ND	62.6	"								
3,3'-Dichlorobenzidine	ND	62.6	"								
2,4-Dichlorophenol	ND	62.6	"								
Diethyl phthalate	ND	62.6	"								
2,4-Dimethylphenol	ND	62.6	"								
Dimethyl phthalate	ND	62.6	"								
4,6-Dinitro-2-methylphenol	ND	125	"								
2,4-Dinitrophenol	ND	125	"								
2,4-Dinitrotoluene	ND	62.6	"								
2,6-Dinitrotoluene	ND	62.6	"								
Di-n-octyl phthalate	ND	62.6	"								
Bis(2-ethylhexyl)phthalate	ND	62.6	"								
Fluoranthene	ND	62.6	"								
Fluorene	ND	62.6	"								
Hexachlorobenzene	ND	62.6	"								
Hexachlorobutadiene	ND	62.6	"								
Hexachlorocyclopentadiene	ND	62.6	"								
Hexachloroethane	ND	62.6	"								
Indeno(1,2,3-cd)pyrene	ND	62.6	"								
Isophorone	ND	62.6	"								
2-Methylnaphthalene	ND	62.6	"								
2-Methylphenol	ND	62.6	"								
3- & 4-Methylphenols	ND	62.6	"								
Naphthalene	ND	62.6	"								
3-Nitroaniline	ND	125	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40041 - EPA 3545A											
Blank (BL40041-BLK1)								Prepared: 12/01/2014 Analyzed: 12/02/2014			
2-Nitroaniline	ND	125	ug/kg wet								
4-Nitroaniline	ND	125	"								
Nitrobenzene	ND	62.6	"								
2-Nitrophenol	ND	62.6	"								
4-Nitrophenol	ND	125	"								
N-nitroso-di-n-propylamine	ND	62.6	"								
N-Nitrosodimethylamine	ND	62.6	"								
N-Nitrosodiphenylamine	ND	62.6	"								
Pentachlorophenol	ND	62.6	"								
Phenanthrene	ND	62.6	"								
Phenol	ND	62.6	"								
Pyrene	ND	62.6	"								
Pyridine	ND	250	"								
1,2,4-Trichlorobenzene	ND	62.6	"								
2,4,6-Trichlorophenol	ND	62.6	"								
2,4,5-Trichlorophenol	ND	62.6	"								
Surrogate: 2-Fluorophenol	*2380*		*"*	*3750*		*63.5*	*10-99*				
Surrogate: Phenol-d5	*2330*		*"*	*3760*		*62.0*	*10-108*				
Surrogate: Nitrobenzene-d5	*1520*		*"*	*2500*		*60.9*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1910*		*"*	*2500*		*76.3*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*2910*		*"*	*3760*		*77.4*	*10-106*				
Surrogate: Terphenyl-d14	*2350*		*"*	*2500*		*93.7*	*10-123*				
LCS (BL40041-BS1)								Prepared: 12/01/2014 Analyzed: 12/02/2014			
Acenaphthene	1790	62.6	ug/kg wet	2500		71.7	17-124				
Acenaphthylene	1640	62.6	"	2500		65.4	16-124				
Aniline	1530	250	"	2500		61.1	10-111				
Anthracene	1680	62.6	"	2500		67.3	24-124				
Benzo(a)anthracene	2150	62.6	"	2500		85.9	25-134				
Benzo(a)pyrene	1820	62.6	"	2500		72.8	29-144				
Benzo(b)fluoranthene	1610	62.6	"	2500		64.4	20-151				
Benzo(g,h,i)perylene	2350	62.6	"	2500		94.1	10-153				
Benzo(k)fluoranthene	1890	62.6	"	2500		75.5	10-148				
Benzyl alcohol	1630	62.6	"	2500		65.2	17-128				
Benzyl butyl phthalate	1790	62.6	"	2500		71.7	10-132				
4-Bromophenyl phenyl ether	1860	62.6	"	2500		74.2	30-138				
4-Chloro-3-methylphenol	1610	62.6	"	2500		64.6	16-138				
4-Chloroaniline	1200	62.6	"	2500		48.0	10-117				
Bis(2-chloroethoxy)methane	1550	62.6	"	2500		61.9	10-129				
Bis(2-chloroethyl)ether	1520	62.6	"	2500		60.8	14-125				
Bis(2-chloroisopropyl)ether	1470	62.6	"	2500		58.8	14-122				
2-Chloronaphthalene	1800	62.6	"	2500		71.9	22-115				
2-Chlorophenol	1650	62.6	"	2500		66.2	25-121				
4-Chlorophenyl phenyl ether	1700	62.6	"	2500		67.9	18-132				
Chrysene	2080	62.6	"	2500		83.2	24-116				
Dibenzo(a,h)anthracene	1770	62.6	"	2500		70.7	17-147				
Dibenzofuran	1850	62.6	"	2500		73.9	23-123				
Di-n-butyl phthalate	1780	62.6	"	2500		71.0	19-123				
1,3-Dichlorobenzene	1570	62.6	"	2500		62.9	32-113				
1,4-Dichlorobenzene	1400	62.6	"	2500		55.8	28-111				
1,2-Dichlorobenzene	1570	62.6	"	2500		62.7	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40041 - EPA 3545A											
LCS (BL40041-BS1)								Prepared: 12/01/2014 Analyzed: 12/02/2014			
3,3'-Dichlorobenzidine	2180	62.6	ug/kg wet	2500		87.2	10-147				
2,4-Dichlorophenol	1870	62.6	"	2500		74.7	23-133				
Diethyl phthalate	1870	62.6	"	2500		74.8	23-122				
2,4-Dimethylphenol	1760	62.6	"	2500		70.5	15-131				
Dimethyl phthalate	1940	62.6	"	2500		77.5	28-127				
4,6-Dinitro-2-methylphenol	1700	125	"	2500		68.1	10-149				
2,4-Dinitrophenol	1910	125	"	2500		76.4	10-149				
2,4-Dinitrotoluene	2220	62.6	"	2500		88.7	30-123				
2,6-Dinitrotoluene	1690	62.6	"	2500		67.5	30-125				
Di-n-octyl phthalate	2170	62.6	"	2500		86.9	10-132				
Bis(2-ethylhexyl)phthalate	1690	62.6	"	2500		67.7	10-141				
Fluoranthene	1820	62.6	"	2500		72.7	36-125				
Fluorene	1650	62.6	"	2500		66.0	16-130				
Hexachlorobenzene	1850	62.6	"	2500		74.2	10-129				
Hexachlorobutadiene	1790	62.6	"	2500		71.5	22-153				
Hexachlorocyclopentadiene	1540	62.6	"	2500		61.5	10-134				
Hexachloroethane	1460	62.6	"	2500		58.3	20-112				
Indeno(1,2,3-cd)pyrene	2150	62.6	"	2500		85.8	10-155				
Isophorone	1550	62.6	"	2500		62.0	14-131				
2-Methylnaphthalene	1560	62.6	"	2500		62.6	16-127				
2-Methylphenol	1550	62.6	"	2500		61.8	10-146				
3- & 4-Methylphenols	1330	62.6	"	2500		53.2	20-109				
Naphthalene	1520	62.6	"	2500		60.9	20-121				
3-Nitroaniline	1480	125	"	2500		59.2	23-123				
2-Nitroaniline	2010	125	"	2500		80.2	24-126				
4-Nitroaniline	1850	125	"	2500		74.0	14-125				
Nitrobenzene	1560	62.6	"	2500		62.3	20-121				
2-Nitrophenol	1650	62.6	"	2500		66.2	17-129				
4-Nitrophenol	1850	125	"	2500		74.0	10-136				
N-nitroso-di-n-propylamine	1550	62.6	"	2500		62.1	21-119				
N-Nitrosodimethylamine	1400	62.6	"	2500		56.0	10-124				
N-Nitrosodiphenylamine	2170	62.6	"	2500		86.9	10-163				
Pentachlorophenol	1650	62.6	"	2500		65.9	10-143				
Phenanthrene	1770	62.6	"	2500		70.7	24-123				
Phenol	1580	62.6	"	2500		63.0	15-123				
Pyrene	2140	62.6	"	2500		85.4	24-132				
Pyridine	551	250	"	2500		22.0	10-92				
1,2,4-Trichlorobenzene	1780	62.6	"	2500		71.2	23-130				
2,4,6-Trichlorophenol	1750	62.6	"	2500		70.0	27-122				
2,4,5-Trichlorophenol	1900	62.6	"	2500		75.9	14-138				
Surrogate: 2-Fluorophenol	*3080*		*"*	*3750*		*82.2*	*10-99*				
Surrogate: Phenol-d5	*2970*		*"*	*3760*		*79.0*	*10-108*				
Surrogate: Nitrobenzene-d5	*1950*		*"*	*2500*		*78.0*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2440*		*"*	*2500*		*97.7*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*3790*		*"*	*3760*		*101*	*30-130*				
Surrogate: Terphenyl-d14	*3180*		*"*	*2500*		*127*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL40041 - EPA 3545A

LCS Dup (BL40041-BSD1) Prepared: 12/01/2014 Analyzed: 12/02/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	1810	62.6	ug/kg wet	2500		72.5	17-124		1.11	30	
Acenaphthylene	1660	62.6	"	2500		66.4	16-124		1.49	30	
Aniline	1530	250	"	2500		61.3	10-111		0.327	30	
Anthracene	1620	62.6	"	2500		64.9	24-124		3.63	30	
Benzo(a)anthracene	2080	62.6	"	2500		83.2	25-134		3.19	30	
Benzo(a)pyrene	1800	62.6	"	2500		71.9	29-144		1.30	30	
Benzo(b)fluoranthene	1910	62.6	"	2500		76.3	20-151		17.0	30	
Benzo(g,h,i)perylene	2260	62.6	"	2500		90.6	10-153		3.83	30	
Benzo(k)fluoranthene	1890	62.6	"	2500		75.6	10-148		0.159	30	
Benzyl alcohol	1670	62.6	"	2500		66.7	17-128		2.33	30	
Benzyl butyl phthalate	1770	62.6	"	2500		71.0	10-132		1.07	30	
4-Bromophenyl phenyl ether	1810	62.6	"	2500		72.5	30-138		2.40	30	
4-Chloro-3-methylphenol	1710	62.6	"	2500		68.5	16-138		5.98	30	
4-Chloroaniline	1230	62.6	"	2500		49.1	10-117		2.14	30	
Bis(2-chloroethoxy)methane	1550	62.6	"	2500		62.2	10-129		0.355	30	
Bis(2-chloroethyl)ether	1520	62.6	"	2500		60.7	14-125		0.0988	30	
Bis(2-chloroisopropyl)ether	1450	62.6	"	2500		57.9	14-122		1.61	30	
2-Chloronaphthalene	1810	62.6	"	2500		72.4	22-115		0.665	30	
2-Chlorophenol	1680	62.6	"	2500		67.0	25-121		1.32	30	
4-Chlorophenyl phenyl ether	1740	62.6	"	2500		69.6	18-132		2.41	30	
Chrysene	2020	62.6	"	2500		80.9	24-116		2.75	30	
Dibenzo(a,h)anthracene	1690	62.6	"	2500		67.6	17-147		4.54	30	
Dibenzofuran	1850	62.6	"	2500		73.9	23-123		0.0271	30	
Di-n-butyl phthalate	1710	62.6	"	2500		68.5	19-123		3.53	30	
1,3-Dichlorobenzene	1590	62.6	"	2500		63.6	32-113		1.08	30	
1,4-Dichlorobenzene	1400	62.6	"	2500		55.9	28-111		0.107	30	
1,2-Dichlorobenzene	1580	62.6	"	2500		63.0	26-113		0.541	30	
3,3'-Dichlorobenzidine	2090	62.6	"	2500		83.4	10-147		4.43	30	
2,4-Dichlorophenol	1930	62.6	"	2500		77.2	23-133		3.24	30	
Diethyl phthalate	1920	62.6	"	2500		76.7	23-122		2.53	30	
2,4-Dimethylphenol	1830	62.6	"	2500		73.3	15-131		3.81	30	
Dimethyl phthalate	1970	62.6	"	2500		78.6	28-127		1.51	30	
4,6-Dinitro-2-methylphenol	1630	125	"	2500		65.3	10-149		4.20	30	
2,4-Dinitrophenol	1970	125	"	2500		78.7	10-149		3.07	30	
2,4-Dinitrotoluene	2290	62.6	"	2500		91.5	30-123		3.04	30	
2,6-Dinitrotoluene	1690	62.6	"	2500		67.7	30-125		0.237	30	
Di-n-octyl phthalate	2110	62.6	"	2500		84.3	10-132		3.08	30	
Bis(2-ethylhexyl)phthalate	1630	62.6	"	2500		65.2	10-141		3.85	30	
Fluoranthene	1720	62.6	"	2500		68.8	36-125		5.48	30	
Fluorene	1700	62.6	"	2500		67.8	16-130		2.75	30	
Hexachlorobenzene	1810	62.6	"	2500		72.4	10-129		2.37	30	
Hexachlorobutadiene	1830	62.6	"	2500		73.2	22-153		2.35	30	
Hexachlorocyclopentadiene	1580	62.6	"	2500		63.3	10-134		2.85	30	
Hexachloroethane	1460	62.6	"	2500		58.5	20-112		0.445	30	
Indeno(1,2,3-cd)pyrene	2270	62.6	"	2500		90.8	10-155		5.64	30	
Isophorone	1600	62.6	"	2500		64.0	14-131		3.21	30	
2-Methylnaphthalene	1570	62.6	"	2500		62.8	16-127		0.383	30	
2-Methylphenol	1540	62.6	"	2500		61.6	10-146		0.324	30	
3- & 4-Methylphenols	1310	62.6	"	2500		52.5	20-109		1.21	30	
Naphthalene	1510	62.6	"	2500		60.4	20-121		0.758	30	
3-Nitroaniline	1490	125	"	2500		59.5	23-123		0.472	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40041 - EPA 3545A											
LCS Dup (BL40041-BSD1)								Prepared: 12/01/2014 Analyzed: 12/02/2014			
2-Nitroaniline	2070	125	ug/kg wet	2500		82.8	24-126		3.12	30	
4-Nitroaniline	1920	125	"	2500		76.7	14-125		3.66	30	
Nitrobenzene	1560	62.6	"	2500		62.2	20-121		0.0964	30	
2-Nitrophenol	1750	62.6	"	2500		69.8	17-129		5.38	30	
4-Nitrophenol	1950	125	"	2500		78.1	10-136		5.31	30	
N-nitroso-di-n-propylamine	1540	62.6	"	2500		61.6	21-119		0.938	30	
N-Nitrosodimethylamine	1280	62.6	"	2500		51.3	10-124		8.69	30	
N-Nitrosodiphenylamine	2130	62.6	"	2500		85.2	10-163		1.95	30	
Pentachlorophenol	1640	62.6	"	2500		65.7	10-143		0.426	30	
Phenanthrene	1670	62.6	"	2500		67.0	24-123		5.43	30	
Phenol	1570	62.6	"	2500		62.9	15-123		0.159	30	
Pyrene	2070	62.6	"	2500		82.8	24-132		3.07	30	
Pyridine	965	250	"	2500		38.6	10-92		54.6	30	Non-dir.
1,2,4-Trichlorobenzene	1810	62.6	"	2500		72.3	23-130		1.62	30	
2,4,6-Trichlorophenol	1840	62.6	"	2500		73.7	27-122		5.15	30	
2,4,5-Trichlorophenol	2050	62.6	"	2500		82.1	14-138		7.80	30	
Surrogate: 2-Fluorophenol	*3090*		*"*	*3750*		*82.5*	*10-99*				
Surrogate: Phenol-d5	*2980*		*"*	*3760*		*79.2*	*10-108*				
Surrogate: Nitrobenzene-d5	*1970*		*"*	*2500*		*78.9*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*2490*		*"*	*2500*		*99.8*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*3700*		*"*	*3760*		*98.5*	*30-130*				
Surrogate: Terphenyl-d14	*3070*		*"*	*2500*		*123*	*10-123*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*46.4*		*"*	*67.7*		*68.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*46.5*		*"*	*67.0*		*69.5*	*30-140*				
LCS (BL40117-BS1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	25.1	0.330	ug/kg wet	33.3		75.4	40-140				
4,4'-DDE	22.4	0.330	"	33.3		67.1	40-140				
4,4'-DDT	23.5	0.330	"	33.3		70.4	40-140				
Aldrin	18.2	0.330	"	33.3		54.6	40-140				
alpha-BHC	20.9	0.330	"	33.3		62.6	40-140				
beta-BHC	20.1	0.330	"	33.3		60.4	40-140				
gamma-Chlordane	18.8	0.330	"	33.3		56.4	40-140				
delta-BHC	19.4	0.330	"	33.3		58.2	40-140				
Dieldrin	19.5	0.330	"	33.3		58.4	40-140				
Endosulfan I	18.9	0.330	"	33.3		56.6	40-140				
Endosulfan II	20.5	0.330	"	33.3		61.5	40-140				
Endosulfan sulfate	19.9	0.330	"	33.3		59.7	40-140				
Endrin	20.8	0.330	"	33.3		62.4	40-140				
Endrin aldehyde	15.6	0.330	"	33.3		46.7	40-140				
Endrin ketone	19.3	0.330	"	33.3		57.9	40-140				
gamma-BHC (Lindane)	19.5	0.330	"	33.3		58.5	40-140				
Heptachlor	18.4	0.330	"	33.3		55.1	40-140				
Heptachlor epoxide	19.1	0.330	"	33.3		57.3	40-140				
alpha-Chlordane	19.4	0.330	"	33.3		58.2	40-140				
Methoxychlor	24.5	1.65	"	33.3		73.4	40-140				
Surrogate: Tetrachloro-m-xylene	*36.6*		*"*	*67.7*		*54.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*36.1*		*"*	*67.0*		*53.9*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
LCS Dup (BL40117-BSD1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
4,4'-DDD	31.7	0.330	ug/kg wet	33.3		95.0	40-140		23.1	30	
4,4'-DDE	27.6	0.330	"	33.3		82.8	40-140		20.9	30	
4,4'-DDT	30.4	0.330	"	33.3		91.2	40-140		25.7	30	
Aldrin	21.8	0.330	"	33.3		65.5	40-140		18.3	30	
alpha-BHC	24.8	0.330	"	33.3		74.5	40-140		17.3	30	
beta-BHC	24.4	0.330	"	33.3		73.2	40-140		19.0	30	
gamma-Chlordane	23.2	0.330	"	33.3		69.6	40-140		21.0	30	
delta-BHC	23.8	0.330	"	33.3		71.3	40-140		20.3	30	
Dieldrin	24.0	0.330	"	33.3		72.0	40-140		20.8	30	
Endosulfan I	23.2	0.330	"	33.3		69.7	40-140		20.6	30	
Endosulfan II	25.4	0.330	"	33.3		76.2	40-140		21.3	30	
Endosulfan sulfate	25.4	0.330	"	33.3		76.1	40-140		24.1	30	
Endrin	24.9	0.330	"	33.3		74.8	40-140		18.1	30	
Endrin aldehyde	18.8	0.330	"	33.3		56.4	40-140		18.8	30	
Endrin ketone	24.7	0.330	"	33.3		74.2	40-140		24.6	30	
gamma-BHC (Lindane)	24.2	0.330	"	33.3		72.5	40-140		21.3	30	
Heptachlor	22.6	0.330	"	33.3		67.8	40-140		20.6	30	
Heptachlor epoxide	23.4	0.330	"	33.3		70.3	40-140		20.3	30	
alpha-Chlordane	23.8	0.330	"	33.3		71.4	40-140		20.3	30	
Methoxychlor	22.5	1.65	"	33.3		67.5	40-140		8.31	30	
Surrogate: Tetrachloro-m-xylene	*42.7*		*"*	*67.7*		*63.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*40.5*		*"*	*67.0*		*60.4*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40117 - EPA 3550C											
Blank (BL40117-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0603*		*"*	*0.0677*		*89.2*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0500*		*"*	*0.0670*		*74.6*	*30-140*				
LCS (BL40117-BS2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.266	0.0167	mg/kg wet	0.333		79.8	40-130				
Aroclor 1260	0.260	0.0167	"	0.333		77.9	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0480*		*"*	*0.0677*		*70.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0423*		*"*	*0.0670*		*63.2*	*30-140*				
LCS Dup (BL40117-BSD2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Aroclor 1016	0.391	0.0167	mg/kg wet	0.333		117	40-130		38.0	25	Non-dir.
Aroclor 1260	0.378	0.0167	"	0.333		113	40-130		37.1	25	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.0780*		*"*	*0.0677*		*115*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0637*		*"*	*0.0670*		*95.0*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40205 - EPA 3050B											
Blank (BL40205-BLK1)								Prepared & Analyzed: 12/03/2014			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BL40205-SRM1)								Prepared & Analyzed: 12/03/2014			
Aluminum	7320	1.00	mg/kg wet	8740		83.8	41.6-158				
Antimony	117	0.500	"	108		108	23-255				
Arsenic	150	1.00	"	151		99.0	70.9-130				
Barium	272	1.00	"	262		104	73.7-126				
Beryllium	131	0.100	"	133		98.7	75.1-125				
Cadmium	144	0.300	"	152		94.5	73-126				
Calcium	6230	5.00	"	6400		97.4	73.9-126				
Chromium	111	0.500	"	117		94.7	69.7-130				
Cobalt	71.2	0.500	"	68.7		104	74.4-126				
Copper	71.3	0.500	"	68.6		104	73.2-129				
Iron	11400	2.00	"	12300		92.6	30.5-170				
Lead	243	0.300	"	254		95.8	75.6-125				
Magnesium	3370	5.00	"	3600		93.6	68.3-132				
Manganese	561	0.500	"	563		99.6	77.4-123				
Nickel	323	0.500	"	315		102	74.3-127				
Potassium	2850	5.00	"	3040		93.9	62.5-137				
Selenium	163	1.00	"	162		101	67.3-132				
Silver	42.6	0.500	"	44.3		96.2	66.4-124				
Sodium	838	10.0	"	746		112	56.8-143				
Thallium	253	1.00	"	259		97.5	69.5-131				
Vanadium	113	1.00	"	116		97.0	67.5-132				
Zinc	288	1.00	"	306		94.3	71.9-133				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40023 - EPA 7473 soil											
Blank (BL40023-BLK1)								Prepared & Analyzed: 12/01/2014			
Mercury	ND	0.0300	mg/kg wet								
Reference (BL40023-SRM1)								Prepared & Analyzed: 12/01/2014			
Mercury	3.1986		mg/kg	3.73		85.8	68.6-131				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40240 - EPA SW846-3060											
Blank (BL40240-BLK1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BL40240-SRM1)								Prepared & Analyzed: 12/04/2014			
Chromium, Hexavalent	114		mg/L	125		91.2	20.2-180				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14K0988-01	SP-14 0-2	40mL Vial with Stir Bar-Cool 4° C
14K0988-02	SP-14 2-4	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14K0988

YOUR Information

Company: Hydro Tech
Address: 15 Ocean Ave 2nd fl
Brooklyn, NY
Phone No. 718-636-0800
Contact Person: Holly Hawkins
E-Mail Address: hhawkins@hydrotechenvironmental.com

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company:
Address:
Phone No.
Attention: Muslima Ward
E-Mail Address:

YOUR Project ID

140127

Purchase Order No.

7100

Samples from: CT___ NY___ NJ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☒
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary X
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS X
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison Excel Spreadsheet**

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Nick Mancuso
Samples Collected/Authorized By (Signature)

Nick Mancuso
Name (printed)

Matrix Codes

- S - soil
- Other - specify(oil, etc.)
- WW - wastewater
- GW - groundwater
- DW - drinking water
- Air-A - ambient air
- Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-14	11/26/14	S	8260, 8270 BNA, 8081/8082, TAL metals, chrom/hex/Air	(1) 8oz jar (1) terracore
SP-14	↓	↓	"	"

Comments

4 day TAT agreed

Preservation Check those Applicable: 4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___ ZnAc___ Ascorbic Acid___ Other___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	11/26/14 1230 pm	K Baker	11/26/14 1230 pm
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	11-26-14 1645 @ 5°C

Temperature on Receipt

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Report Date: 03/27/2015
Client Project ID: 140127
York Project (SDG) No.: 14L0013

Revision No. 1.0

Report Date: 03/27/2015
Client Project ID: 140127
York Project (SDG) No.: 14L0013

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Holly Hawkins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 01, 2014 and listed below. The project was identified as your project: **140127**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0013-01	SV-7	Soil Vapor	11/26/2014	12/01/2014
14L0013-02	SV-5	Soil Vapor	11/26/2014	12/01/2014
14L0013-03	SV-6	Soil Vapor	11/26/2014	12/01/2014

General Notes for York Project (SDG) No.: 14L0013

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 03/27/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-7** **York Sample ID:** **14L0013-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	6.9	6.9	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	8.6	8.6	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	9.7	9.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	6.9	6.9	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.1	5.1	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	5.0	5.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	9.4	9.4	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**15**		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	9.7	9.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	7.6	7.6	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.1	5.1	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	5.8	5.8	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	8.8	8.8	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	5.5	5.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	7.6	7.6	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	7.6	7.6	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	4.5	4.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
78-93-3	**2-Butanone**	**29**		ug/m³	3.7	3.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	10	10	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.2	5.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
67-64-1	**Acetone**	**470**		ug/m³	3.0	3.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
71-43-2	Benzene	ND		ug/m³	4.0	4.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
100-44-7	Benzyl chloride	ND		ug/m³	6.5	6.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	7.8	7.8	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-25-2	Bromoform	ND		ug/m³	13	13	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
74-83-9	Bromomethane	ND		ug/m³	4.9	4.9	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-15-0	**Carbon disulfide**	**4.7**		ug/m³	3.9	3.9	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.0	2.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
108-90-7	Chlorobenzene	ND		ug/m³	5.8	5.8	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-00-3	Chloroethane	ND		ug/m³	3.3	3.3	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
67-66-3	**Chloroform**	**11**		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
74-87-3	Chloromethane	ND		ug/m³	2.6	2.6	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	5.0	5.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD

Sample Information

Client Sample ID: **SV-7** **York Sample ID:** **14L0013-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	5.7	5.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
110-82-7	Cyclohexane	ND		ug/m³	4.3	4.3	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	10	10	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	9.1	9.1	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
100-41-4	**Ethyl Benzene**	**8.2**		ug/m³	5.5	5.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	13	13	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
67-63-0	**Isopropanol**	**50**		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	5.2	5.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	4.5	4.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-09-2	Methylene chloride	ND		ug/m³	8.8	8.8	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
142-82-5	n-Heptane	ND		ug/m³	5.2	5.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
110-54-3	n-Hexane	ND		ug/m³	4.4	4.4	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
95-47-6	**o-Xylene**	**13**		ug/m³	5.5	5.5	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
179601-23-1	**p- & m- Xylenes**	**35**		ug/m³	11	11	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
622-96-8	*** p-Ethyltoluene**	**14**		ug/m³	6.2	6.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
115-07-1	* Propylene	ND		ug/m³	2.2	2.2	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
100-42-5	Styrene	ND		ug/m³	5.4	5.4	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
127-18-4	**Tetrachloroethylene**	**12**		ug/m³	2.1	2.1	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
109-99-9	*** Tetrahydrofuran**	**3.7**		ug/m³	3.7	3.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
108-88-3	**Toluene**	**36**		ug/m³	4.7	4.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.0	5.0	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	5.7	5.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
79-01-6	Trichloroethylene	ND		ug/m³	1.7	1.7	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**12**		ug/m³	7.1	7.1	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
108-05-4	Vinyl acetate	ND		ug/m³	4.4	4.4	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD
75-01-4	Vinyl Chloride	ND		ug/m³	0.81	0.81	12.6	EPA TO-15	12/02/2014 10:20	12/03/2014 07:00	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.8 %*	*72-118*

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **14L0013-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **14L0013-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	6.1	6.1	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	7.7	7.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	8.6	8.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	6.1	6.1	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	4.5	4.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	4.4	4.4	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	8.3	8.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**18**		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	8.6	8.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	6.7	6.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	4.5	4.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	5.2	5.2	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	7.8	7.8	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**7.7**		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	4.9	4.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	6.7	6.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	6.7	6.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	4.0	4.0	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
78-93-3	**2-Butanone**	**16**		ug/m³	3.3	3.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	9.2	9.2	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
108-10-1	**4-Methyl-2-pentanone**	**11**		ug/m³	4.6	4.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
67-64-1	**Acetone**	**260**		ug/m³	2.7	2.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
71-43-2	**Benzene**	**3.9**		ug/m³	3.6	3.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
100-44-7	Benzyl chloride	ND		ug/m³	5.8	5.8	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	7.0	7.0	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-25-2	Bromoform	ND		ug/m³	12	12	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
74-83-9	Bromomethane	ND		ug/m³	4.3	4.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-15-0	Carbon disulfide	ND		ug/m³	3.5	3.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	1.8	1.8	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
108-90-7	Chlorobenzene	ND		ug/m³	5.2	5.2	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-00-3	Chloroethane	ND		ug/m³	3.0	3.0	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
67-66-3	Chloroform	ND		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
74-87-3	Chloromethane	ND		ug/m³	2.3	2.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	4.4	4.4	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	5.1	5.1	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
110-82-7	Cyclohexane	ND		ug/m³	3.9	3.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **14L0013-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m³	9.0	9.0	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	8.1	8.1	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
100-41-4	**Ethyl Benzene**	**7.8**		ug/m³	4.9	4.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	12	12	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
67-63-0	**Isopropanol**	**22**		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	4.6	4.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	4.0	4.0	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-09-2	**Methylene chloride**	**12**		ug/m³	7.8	7.8	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
142-82-5	**n-Heptane**	**5.0**		ug/m³	4.6	4.6	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
110-54-3	**n-Hexane**	**4.3**		ug/m³	3.9	3.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
95-47-6	**o-Xylene**	**13**		ug/m³	4.9	4.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
179601-23-1	**p- & m- Xylenes**	**34**		ug/m³	9.7	9.7	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
622-96-8	*** p-Ethyltoluene**	**21**		ug/m³	5.5	5.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
115-07-1	* Propylene	ND		ug/m³	1.9	1.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
100-42-5	Styrene	ND		ug/m³	4.8	4.8	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
127-18-4	**Tetrachloroethylene**	**9.1**		ug/m³	1.9	1.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.3	3.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
108-88-3	**Toluene**	**550**		ug/m³	4.2	4.2	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	4.4	4.4	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	5.1	5.1	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
79-01-6	Trichloroethylene	ND		ug/m³	1.5	1.5	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**9.4**		ug/m³	6.3	6.3	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
108-05-4	Vinyl acetate	ND		ug/m³	3.9	3.9	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD
75-01-4	Vinyl Chloride	ND		ug/m³	0.72	0.72	11.2	EPA TO-15	12/02/2014 10:20	12/03/2014 07:50	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.8 %*	*72-118*

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **14L0013-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **14L0013-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.4	1.4	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.8	1.8	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.0	2.0	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.4	1.4	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.0	2.0	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**12**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.0	2.0	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.6	1.6	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.9	1.9	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**3.0**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.6	1.6	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.6	1.6	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.96	0.96	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
78-93-3	**2-Butanone**	**4.7**		ug/m³	0.78	0.78	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	2.2	2.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
67-64-1	**Acetone**	**43**		ug/m³	0.63	0.63	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
71-43-2	**Benzene**	**6.4**		ug/m³	0.85	0.85	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
100-44-7	Benzyl chloride	ND		ug/m³	1.4	1.4	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.6	1.6	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-25-2	Bromoform	ND		ug/m³	2.7	2.7	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
74-83-9	Bromomethane	ND		ug/m³	1.0	1.0	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.83	0.83	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.42	0.42	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
108-90-7	Chlorobenzene	ND		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-00-3	Chloroethane	ND		ug/m³	0.70	0.70	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
67-66-3	**Chloroform**	**1.8**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
74-87-3	Chloromethane	ND		ug/m³	0.55	0.55	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
110-82-7	**Cyclohexane**	**3.2**		ug/m³	0.91	0.91	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	2.1	2.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **14L0013-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0013	140127	Soil Vapor	November 26, 2014 3:00 pm	12/01/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.9	1.9	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
100-41-4	**Ethyl Benzene**	**8.2**		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.8	2.8	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
67-63-0	**Isopropanol**	**31**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.95	0.95	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-09-2	**Methylene chloride**	**26**		ug/m³	1.8	1.8	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
142-82-5	**n-Heptane**	**5.8**		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
110-54-3	**n-Hexane**	**14**		ug/m³	0.94	0.94	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
95-47-6	**o-Xylene**	**11**		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
179601-23-1	**p- & m- Xylenes**	**33**		ug/m³	2.3	2.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
622-96-8	*** p-Ethyltoluene**	**11**		ug/m³	1.3	1.3	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
115-07-1	* Propylene	ND		ug/m³	0.46	0.46	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
100-42-5	Styrene	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
127-18-4	**Tetrachloroethylene**	**0.90**		ug/m³	0.45	0.45	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
109-99-9	*** Tetrahydrofuran**	**4.4**		ug/m³	0.78	0.78	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
108-88-3	**Toluene**	**34**		ug/m³	1.0	1.0	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.1	1.1	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.2	1.2	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
79-01-6	**Trichloroethylene**	**1.3**		ug/m³	0.36	0.36	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.1**		ug/m³	1.5	1.5	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.93	0.93	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD
75-01-4	Vinyl Chloride	ND		ug/m³	0.17	0.17	2.653	EPA TO-15	12/02/2014 10:20	12/03/2014 08:46	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.3 %*	*72-118*

Analytical Batch Summary

Batch ID: BL40094 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14L0013-01	SV-7	12/02/14
14L0013-02	SV-5	12/02/14
14L0013-03	SV-6	12/02/14
BL40094-BLK1	Blank	12/02/14
BL40094-BS1	LCS	12/02/14

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40094 - EPA TO15 PREP											
Blank (BL40094-BLK1)								Prepared & Analyzed: 12/02/2014			
1,1,1-Trichloroethane	ND	0.55	ug/m³								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.43	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.36	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.24	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.62	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.80	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40094 - EPA TO15 PREP											
Blank (BL40094-BLK1)								Prepared & Analyzed: 12/02/2014			
Styrene	ND	0.43	ug/m³								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.29	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl Chloride	ND	0.064	"								
Surrogate: p-Bromofluorobenzene	*9.22*		*ppbv*	*9.60*		*96.0*	*72-118*				
LCS (BL40094-BS1)								Prepared & Analyzed: 12/02/2014			
1,1,1-Trichloroethane	8.01		ppbv	9.90		80.9	70-130				
1,1,2,2-Tetrachloroethane	9.71		"	10.5		92.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.69		"	9.70		89.6	70-130				
1,1,2-Trichloroethane	9.54		"	10.3		92.6	70-130				
1,1-Dichloroethane	9.00		"	10.0		90.0	70-130				
1,1-Dichloroethylene	8.40		"	10.0		84.0	70-130				
1,2,4-Trichlorobenzene	8.96		"	9.60		93.3	70-130				
1,2,4-Trimethylbenzene	9.43		"	10.2		92.5	70-130				
1,2-Dibromoethane	9.14		"	10.3		88.7	70-130				
1,2-Dichlorobenzene	9.07		"	10.1		89.8	70-130				
1,2-Dichloroethane	7.80		"	10.1		77.2	70-130				
1,2-Dichloropropane	9.56		"	10.3		92.8	70-130				
1,2-Dichlorotetrafluoroethane	11.2		"	10.2		110	70-130				
1,3,5-Trimethylbenzene	9.15		"	10.2		89.7	70-130				
1,3-Butadiene	9.43		"	10.1		93.4	70-130				
1,3-Dichlorobenzene	9.14		"	10.2		89.6	70-130				
1,4-Dichlorobenzene	9.14		"	10.2		89.6	70-130				
1,4-Dioxane	6.72		"	9.90		67.9	70-130	Low Bias			
2-Butanone	7.96		"	9.40		84.7	70-130				
2-Hexanone	7.12		"	9.30		76.6	70-130				
4-Methyl-2-pentanone	7.72		"	9.20		83.9	70-130				
Acetone	7.71		"	9.80		78.7	70-130				
Benzene	9.21		"	10.2		90.3	70-130				
Benzyl chloride	9.75		"	10.2		95.6	70-130				
Bromodichloromethane	9.30		"	9.90		93.9	70-130				
Bromoform	9.21		"	10.1		91.2	70-130				
Bromomethane	9.39		"	9.90		94.8	70-130				
Carbon disulfide	9.09		"	10.5		86.6	70-130				
Carbon tetrachloride	7.43		"	10.2		72.8	70-130				
Chlorobenzene	9.05		"	10.4		87.0	70-130				
Chloroethane	9.40		"	9.90		94.9	70-130				
Chloroform	8.63		"	10.1		85.4	70-130				
Chloromethane	9.01		"	9.70		92.9	70-130				
cis-1,2-Dichloroethylene	9.22		"	10.3		89.5	70-130				
cis-1,3-Dichloropropylene	9.14		"	10.5		87.0	70-130				
Cyclohexane	8.59		"	10.1		85.0	70-130				
Dibromochloromethane	9.53		"	10.3		92.5	70-130				
Dichlorodifluoromethane	8.52		"	10.0		85.2	70-130				
Ethyl acetate	10.4		"	8.50		122	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40094 - EPA TO15 PREP											
LCS (BL40094-BS1)							Prepared & Analyzed: 12/02/2014				
Ethyl Benzene	9.49		ppbv	10.3		92.1	70-130				
Hexachlorobutadiene	8.20		"	9.90		82.8	70-130				
Isopropanol	6.73		"	9.20		73.2	70-130				
Methyl Methacrylate	8.83		"	9.50		92.9	70-130				
Methyl tert-butyl ether (MTBE)	8.06		"	9.80		82.2	70-130				
Methylene chloride	8.42		"	9.90		85.1	70-130				
n-Heptane	8.25		"	10.3		80.1	70-130				
n-Hexane	8.56		"	10.0		85.6	70-130				
o-Xylene	9.78		"	10.5		93.1	70-130				
p- & m- Xylenes	19.3		"	20.2		95.4	70-130				
p-Ethyltoluene	9.62		"	10.1		95.2	70-130				
Propylene	9.04		"	10.4		86.9	70-130				
Styrene	9.79		"	10.3		95.0	70-130				
Tetrachloroethylene	7.71		"	10.0		77.1	70-130				
Tetrahydrofuran	7.29		"	9.20		79.2	70-130				
Toluene	9.52		"	10.4		91.5	70-130				
trans-1,2-Dichloroethylene	8.21		"	9.70		84.6	70-130				
trans-1,3-Dichloropropylene	9.23		"	10.9		84.7	70-130				
Trichloroethylene	7.91		"	9.90		79.9	70-130				
Trichlorofluoromethane (Freon 11)	9.06		"	10.5		86.3	70-130				
Vinyl acetate	4.94		"	10.8		45.7	70-130	Low Bias			
Vinyl Chloride	8.33		"	9.70		85.9	70-130				
Surrogate: p-Bromofluorobenzene	*9.64*		*"*	*9.60*		*100*	*72-118*				

Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Revision Description: This report has been revised to correct sample ID per client request.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

Page ____ of ____

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 140013

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Indo Tech	Company: SAME	Company:	140127	RUSH - Same Day ☐	Summary Report ✓
Address: [illegible] Brooklyn NY	Address:	Address:		RUSH - Next Day ☐	Summary w/ QA Summary ✓
Phone No: [illegible]	Phone No:	Phone No.:	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Mike Hawkins	Attention:	Attention: Muslima Ward	7100	RUSH - Three Day ☐	NY ASP A Package
E-Mail Address: hhawkins@[illegible]	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY X NJ___	~~RUSH~~ - Four Day ☒	NY ASP B/CLP Pkg
				Standard(5-7 Days) ☐	NJDEP Reduced
					Electronic Deliverables
					EDD (Specify Type)
					Standard Excel
					Regulatory Comparison Excel ✓

Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): [signature]

Name (printed): N. de Mercado

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER ____

Detection Limit Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits ____ (VI vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other ____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-7	11/26/14	AS	-30	-11	EPA TO-15	6 Liter Summa canister ✓ / Tedlar Bag
SV-5	↓	AS	-29	-4	↓	6 Liter Summa canister ✓ / Tedlar Bag
SV-6	↓	AS	-30	-16	↓	6 Liter Summa canister ✓ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___

Comments: 4 day TAT agreed

Samples Relinquished By: [signature] Date/Time: 12/1/14 11:30am

Samples Relinquished By: ____ Date/Time: ____

Samples Received By: [signature] Date/Time: 12/1/14 1130am

Samples Received in LAB by: PG Grace Date/Time: 12-1-14 1700

Appendix 5

Revised Development Plans

555 WAVERLY

BROOKLYN

Executive Architect:

HTO
ARCHITECT, PLLC
370 7th Ave
2nd Floor
New York, NY 10001
212 695 3117
www.hto-architect.com

Owner:

Waverly Owner I LLC
825 Third Avenue 37th Floor
New York, NY 10022

Structural Engineer:

McNAMARA • SALVIA
STRUCTURAL ENGINEERS
62 West 45th Street, 11th Floor
New York, NY 10036

McNAMARA · SALVIA
STRUCTURAL ENGINEERS

MEP Engineer:

SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

SJC ENGINEERING.PC

DRAWING SHEET LIST

A000	COVER SHEET
A001	ADA Notes
A002	ADA Notes
A003	ADA Notes
A004	EGRESS ANALYSIS
A005	GENERAL NOTES
A006	GENERAL NOTES
A007	SURVEY
A008	COMP CHECK
A100	SITE PLAN
A101	CELLAR FLOOR KEY PLAN
A102	CELLAR PLAN NORTHEAST
A103	CELLAR PLAN MIDDLE EAST
A104	CELLAR PLAN SOUTH EAST
A105	CELLAR PLAN NORTH WEST
A106	CELLAR PLAN MIDDLE WEST
A107	CELLAR PLAN SOUTH WEST
A108	GROUND FLOOR KEY PLAN
A109	GROUND FLOOR PLAN NORTH
A110	GROUND FLOOR PLAN MIDDLE
A111	GROUND FLOOR PLAN SOUTH
A112	SECOND FLOOR KEY PLAN
A113	SECOND FLOOR NORTH
A114	SECOND FLOOR MIDDLE
A115	SECOND FLOOR SOUTH
A116	THIRD FLOOR KEYPLAN
A117	THIRD FLOOR NORTH
A118	THIRD FLOOR MIDDLE
A119	THIRD FLOOR SOUTH
A120	TYPICAL FLOOR KEYPLAN
A121	TYPICAL FLOOR NORTH
A122	TYPICAL FLOOR MIDDLE
A123	TYPICAL FLOOR SOUTH
A124	SEVENTH FLOOR KEY PLAN
A125	SEVENTH FLOOR NORTH
A126	SEVENTH FLOOR MIDDLE
A127	SEVENTH FLOOR SOUTH
A128	EIGHTH FLOOR KEY PLAN
A129	EIGHTH FLOOR NORTH
A130	EIGHTH FLOOR MIDDLE
A131	EIGHTH FLOOR SOUTH
A132	ROOF PLAN
A133	ROOF FLOOR NORTH
A134	ROOF FLOOR MIDDLE
A135	ROOF FLOOR SOUTH
A200	WAVERLY ELEVATION
A201	REAR YARD ELEVATIONS
A220	SCHEMATIC SECTION
A222	WALL SECTION
A223	STAIR "A" SECTION
A300	REFUSE CHUTE
A301	PARTITION TYPES
A303	DOOR SCHEDULE
A304	MISC DETAILS

A305	MISC DETAILS
A306	WINDOW SCHEDULE
A307	WINDOW SCHEDULE
A400	TYPICAL KICTHEN LAYOUTS
A401	TYPICAL KICTHEN LAYOUTS
A402	TYPICAL KICTHEN LAYOUTS
A403	TYPICAL KICTHEN LAYOUTS
A404	TYPICAL KICTHEN LAYOUTS
A405	TYPICAL KICTHEN LAYOUTS
A406	TYPICAL KICTHEN LAYOUTS
A407	TYPICAL KICTHEN LAYOUTS
A408	TYPICAL KICTHEN LAYOUTS
A409	TYPICAL KICTHEN LAYOUTS
A410	TYPICAL KICTHEN LAYOUTS
A411	TYPICAL KITCHEN LAYOUTS
A500	TYPICAL BATHROOM LAYOUTS
A501	TYPICAL BATHROOM LAYOUTS
A502	TYPICAL BATHROOM LAYOUTS
A503	TYPICAL BATHROOM LAYOUTS
A504	TYPICAL BATHROOM LAYOUTS
A505	TYPICAL BATHROOM LAYOUTS
A600	CELLAR - RCP KEYPLAN
A601	CELLAR RCP - NORTH
A602	CELLAR RCP - MIDDLE
A603	CELLAR RCP - SOUTH
A604	CELLAR RCP - NORTH WEST
A605	CELLAR RCP - MIDDLE WEST
A606	CELLAR RCP - SOUTH WEST
A607	GROUND FLOOR - RCP KEYPLAN
A608	GROUND FLOOR RCP - NORTH
A609	GROUND FLOOR RCP - MIDDLE
A610	GROUND FLOOR RCP - SOUTH
A611	SECOND FLOOR - RCP KEYPLAN
A612	SECOND FLOOR RCP - NORTH
A613	SECOND FLOOR RCP - MIDDLE
A614	SECOND FLOOR RCP - SOUTH
A615	THIRD FLOOR - RCP KEYPLAN
A616	THIRD FLOOR RCP - NORTH
A617	THIRD FLOOR RCP - MIDDLE
A618	THIRD FLOOR RCP - SOUTH
A619	FOURTH FLOOR RCP - KEYPLAN
A620	FOURTH FLOOR RCP - NORTH
A621	FOURTH FLOOR RCP - MIDDLE
A622	FOURTH FLOOR RCP - SOUTH
A623	SEVENTH FLOOR - RCP KEYPLAN
A624	SEVENTH FLOOR RCP - NORTH
A625	SEVENTH FLOOR RCP - MIDDLE
A626	SEVENTH FLOOR RCP - SOUTH
A627	EIGHTH FLOOR - RCP KEYPLAN
A628	EIGHTH FLOOR RCP - NORTH
A629	EIGHTH FLOOR RCP - MIDDLE
A630	EIGHT FLOOR RCP - SOUTH
S-000	COVER SHEET
S-001	GENERAL NOTES

S-002	GENERAL NOTES
FO-000	SITE PLAN
FO-101	FOUNDATION PLAN - PART A
FO-102	FOUNDATION PLAN - PART B
FO-200	CONCRETE SPREAD FOOTINGS
FO-201	CONCRETE FOUNDATION WALL
FO-202	CONCRETE FOUNDATION WALL
FO-203	CONCRETE SLAB-ON-GRADE
FO-204	TYPICAL FOUNDATION DETAILS
FO-210	REINF DEVELOPMENT AND SPLICE TABLES
FO-300	FOUNDATION SECTIONS
FO-301	FOUNDATION SECTIONS
FO-302	FOUNDATION SECTIONS
S-011	1ST FLOOR FRAMING PLAN - PART A
S-012	1ST FLOOR FRAMING PLAN - PART B
S-020	2ND FLOOR FRAMING PLAN
S-030	3RD - 6TH FLOOR FRAMING PLAN
S-070	7TH FLOOR FRAMING PLAN
S-080	8TH FLOOR FRAMING PLAN
S-090	ROOF FRAMING PLAN
S-100	BULKHEAD FRAMING PLAN
S-910	COLUMN SCHEDULE PART A
S-911	COLUMN SCHEDULE PART B
S-915	TYPICAL COLUMN DETAILS
S-920	BRACE FRAME ELEVATIONS
S-921	BRACE FRAME ELEVATIONS
S-950	TYPICAL STEEL DETAILS
S-951	TYPICAL STEEL DETAILS
S-952	TYPICAL STEEL DETAILS
S-953	TYPICAL STEEL DETAILS
S-954	TYPICAL STEEL DETAILS
S-955	TYPICAL STEEL DETAILS
S-956	TYPICAL STEEL DETAILS
S-957	TYPICAL STEEL DETAILS
S-958	TYPICAL MASONRY DETAILS
S-960	TYPICAL STEEL DETAILS

REGISTERED ARCHITECT
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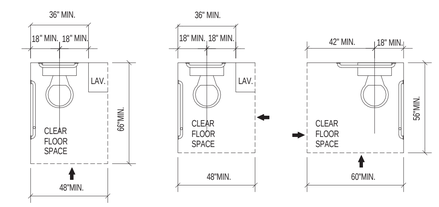
Map: 16C

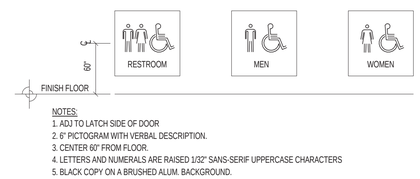
issued:

02/27/2015	100% BID DOCUMENTS

ADA ACCESSIBLE (USABLE) REQUIREMENTS: (ANSI 117.1 SHALL APPLY)

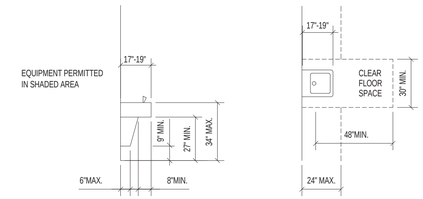


1 CLEARANCES AT WATER CLOSETS

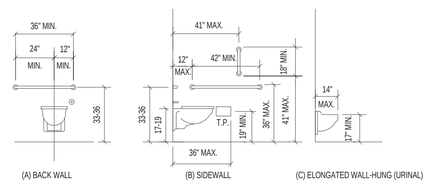


NOTES:
1. ADJ TO LATCH SIDE OF DOOR
2. 6" PICTOGRAM WITH VERBAL DESCRIPTION.
3. CENTER 60" FROM FLOOR.
4. LETTERS AND NUMERALS ARE RAISED 1/32" SANS-SERIF UPPERCASE CHARACTERS
5. BLACK COPY ON A BRUSHED ALUM. BACKGROUND.

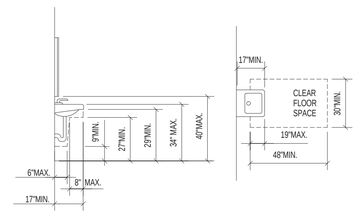
2 SIGNAGE IN PUBLIC AREAS



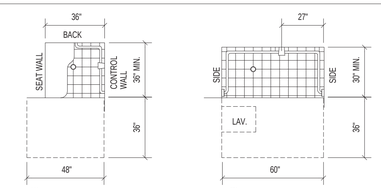
3 DRINKING FOUNTAIN CLEARANCES



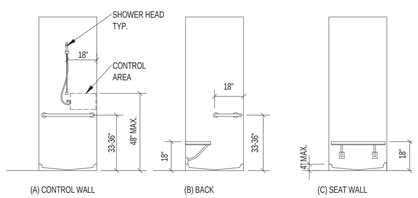
4 CLEARANCES AT WATER CLOSETS & URINALS



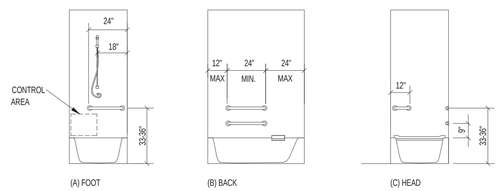
5 LAVATORY CLEARANCES AND MOUNTING HEIGHTS



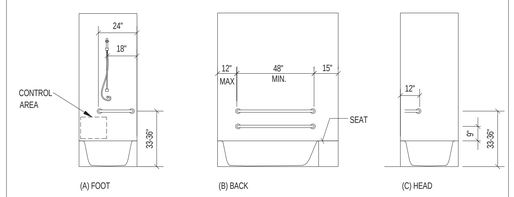
6 SHOWER CLEARANCES AND MOUNTING HIEGHTS



7 SHOWER STALL (36" x 36")

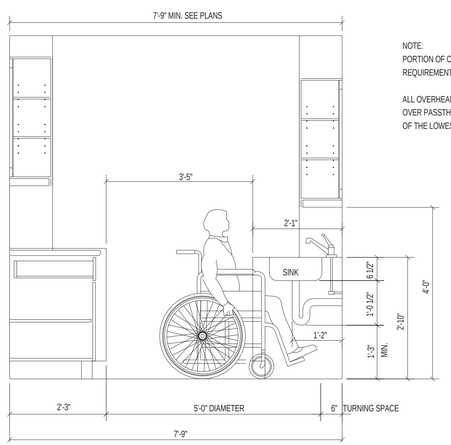


8 GRAB BARS AT BATHTUBS- WITH SEAT IN TUB



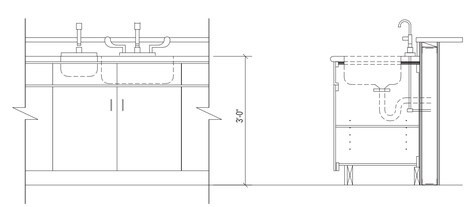
9 GRAB BARS AT BATHTUB- WITH SEAT AT HEAD OF TUB

KITCHEN ADA DETAILS



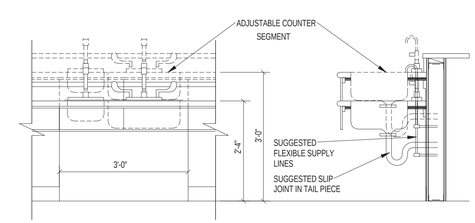
NOTE:
PORTION OF COUNTERTOP TO BE DROPPED TO 2'-10" AND CABINETS REMOVED AS PER LL58/87 REQUIREMENTS.

ALL OVERHEAD KITCHEN CABINETS AND CABINETS TOPS (INCL. SINK, BUT EXCL. STOVES, COOKTOPS AND OVER PASSTHROUGH OPENINGS) MUST BE INSTALLED SO THAT THEY CAN BE LOWERED, SUCH THAT THE TOP OF THE LOWEST SHELF IS NO HIGHER THAT 48" ABOVE FIN. FL. FOR HANDICAP ADAPTABILITY.



A: BEFORE REMOVAL OF CABINETS AND BASE

15 TYP. KITCHEN SINK COUNTER HANDICAP ADAPTABLE



B: CABINETS AND BASE REMOVED AND HEIGHT ALTERNATIVES

16 TYP. KITCHEN CROSS SECTION HANDICAP ADAPTABLE

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

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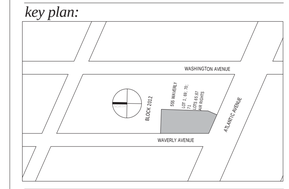

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DRAWING TITLE
ADA Notes

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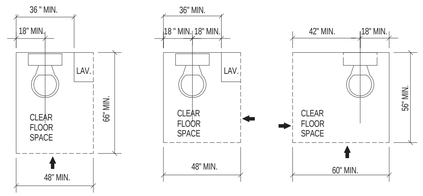
DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	an
CHECKED BY:	pm
SCALE:	12" = 1'-0"
DWG No:	A001.00

ADA ADAPTABLE REQUIREMENTS



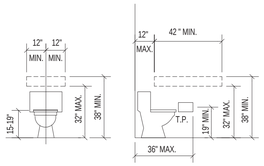
10 CLEARANCES AT WATER CLOSETS

WATER CLOSETS:
CLEAR FLOOR SPACE AT THE WATER CLOSET SHALL BE AS SHOWN.

THE HEIGHT OF THE WATER CLOSET SHALL BE AT LEAST 15" & NO MORE THAN 19", MEASURED TO THE TOP OF THE TOILET SEAT.

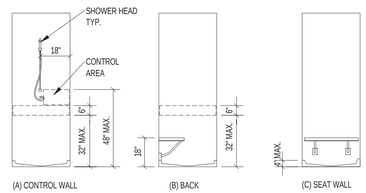
GRAB BARS SHALL BE INSTALED AS SHOWN, AND SHALL COMPLY WITH SECTION 4.24 (ANSI), OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS IN THE LOCATION SHOWN.

THE TOILET PAPER DISPENSER SHALL BE INSTALLED WITHIN REACH AS SHOWN.



NOTE: DASHED AREAS ARE REINFORCED TO RECEIVE GRAB BARS

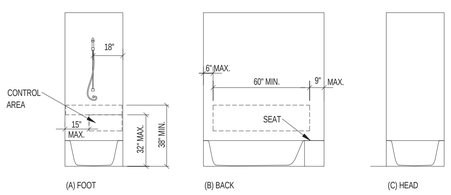
11 REINFORCED AREAS GRAB BARS AT WC



(A) CONTROL WALL (B) BACK (C) SEAT WALL

(1) THE LIGHTLY SHADED AREAS ARE REINFORCED TO RECEIVE GRAB BARS.
(2) THE SHOWER HEAD & CONTROL AREA MAY BE ON BACK WALL (AS SHOWN) OR ON EITHER SIDE.

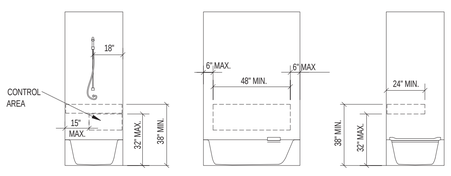
12 GB REINFORCEMENT & CONTROLS LOCATION



(A) FOOT (B) BACK (C) HEAD

NOTE: THE DASHED AREAS ARE REINFORCED TO RECEIVE GRAB BARS.

13 LOCATION OF GB REINFORCEMENTS & CONTROLS (WITH SEAT AT HEAD OF TUB)



(A) FOOT (B) BACK (C) HEAD

NOTE: THE DASHED AREAS ARE REINFORCED TO RECEIVE GRAB BARS.

14 LOCATION OF GB REINFORCEMENTS & CONTROLS (WITH SEAT IN TUB)

SHOWERS:

1. SHOWER STALL & CLEAR SPACE SHALL COMPLY WITH EITHER FIG. 9(A) OR 9(B). THE SHOWER IN FIG. 9(A) SHALL BE 36" x36".

2. A SEAT SHALL BE PROVIDED IN THE SHOWER STALL, AS SHOWN. THE SEAT SHALL BE MOUNTED 17"-19" HIGH, MEASURED FROM THE BATHROOM FLOOR, AND SHALL EXTEND THE FULL DEPTH OF THE STALL. THE SEAT SHALL BE ON THE WALL OPPOSITE THE CONTROLS. THE STRUCTURAL STRENGTH OF SEATS, AND THEIR ATTACHMENTS SHALL COMPLY WITH (ANSI) 4.24.3 . SEATS SHAL BE MOUNTED SECURELY, AND SHALL NOT SLIP DURING USE.

3. GRAB BARS SHALL BE INSTALLED WITHIN THE RANGE OF HEIGHTS SHOWN IN FIG. 37 AND SHALL COMPLY WITH (ANSI) 4.24, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS, AS SHOWN IN FIG. 15.

4. FAUCETS & OTHER CONTROLS SHALL BE LOCATED AS SHOWN, AND SHALL COMPLY WITH (ANSI) 4.25.4. THE CONTROLS SHALL MOUNTED OPPOSITE THE SEAT.

5. A SHOWER UNIT SHALL BE PROVIDED WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED AS A FIXED SHOWER HEAD AT VARIOUS HEIGHTS, OR AS A HAND-HELD SHOWER. IF AN ADJUSTABLE, HEIGHT SHOWER HEAD MOUNTED ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS.

TUBS:

1. CLEAR FLOOR SPACE AT THE TUBS SHALL BE AS SHOWN IN FIG. 9

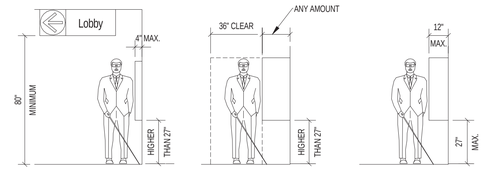
2. AN IN TUB SEAT OR SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED AS SHOWN IN FIG. 16B & 17B. THE STRUCTURAL STRENGTH OF SEATS AND THEIR ATTACHMENTS SHALL COMPLY WITH 4.24.3 SEATS SHALL BE MOUNTED SECURELY & SHALL NOT SLIP DURING USE.

3. GRAB BAR SHALL BE INSTALLED WITHIN THE RANGE OF HEIGHTS SHOWN IN FIG. 16 AND 17, AND SHALL COMPLY WITH (ANSI) 4.24, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS, AS SHOWN IN FIGURES 16 AND 17, SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS MEETING THESE REQUIREMENTS.

4. FAUCETS AND OTHER CONTROLS SHALL BE LOCATED AS SHOWN.

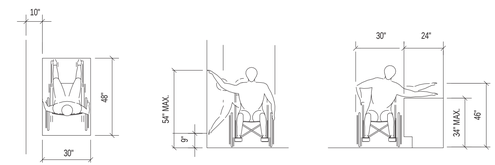
ADA MANEUVERING CLEARANCES & PROTRUDING OBJECTS

PROTRUDING OBJECTS

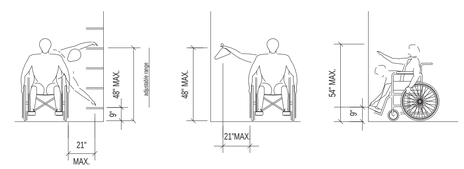


(A) WALKING PARALLEL TO A WALL (B) WALKING PERPENDICULAR TO A WALL

STORAGE SHELVES AND CLOSETS



(A) CLEAR FLOOR SPACE (PARALLEL APPROACH) (B) HIGH AND LOW SIDE REACH LIMITS (C) MAX. SIDE REACH OVER OBSTRUCTION



(A) SHELVES (B) CLOSETS (C) FORWARD REACH LIMIT

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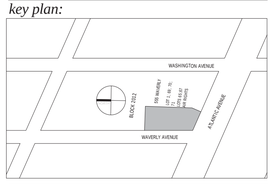

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ADA Notes

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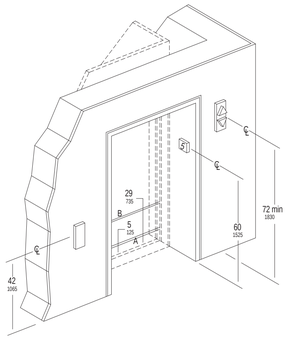
DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	12" = 1'-0"
DWG No:	A002.00

ADA ELEVATOR REQUIREMENTS

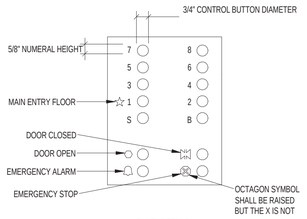


HOISTWAY AND ELEVATOR ENTRANCES

NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A & B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

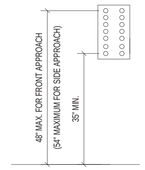
(C) HOISTWAY AND ELEVATOR ENTRANCES

A HOISTWAY & ELEVATOR ENTRANCE

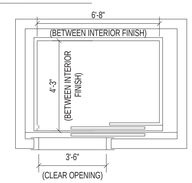


PANEL DETAILS

C CAR CONTROL

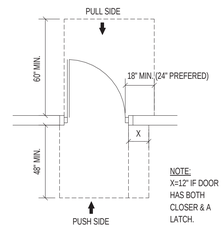


D ELEVATORS AND CONTROLS



B MINIMUM DIMENSION OF ELEVATOR CAR

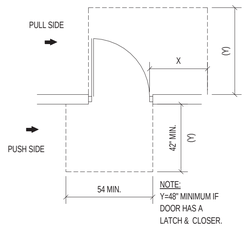
ADA REQUIREMENTS- MANEUVERING CLEARANCES AT DOORS



NOTE:
X=12" IF DOOR HAS BOTH CLOSER & A LATCH.

(A) FRONT APPROACHES-SWINGING DOORS

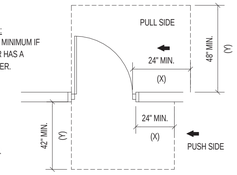
NOTE:
X=36" MINIMUM IF Y=60".
X=42" MINIMUM IF Y=54".



NOTE:
Y=48" MINIMUM IF DOOR HAS A LATCH & CLOSER.

(B) HINGE-SIDE APPROACHES-SWINGING DOORS

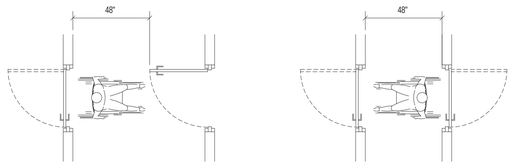
NOTE:
Y=54" MINIMUM IF DOOR HAS A CLOSER.



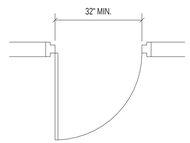
NOTE:
Y=48" MINIMUM IF DOOR HAS A CLOSER.

NOTE:
X=48" MINIMUM IF DOOR HAS BOTH LATCH AND A CLOSER.

(C) LATCH-SIDE APPROACHES-SWINGING DOORS



(D) TWO HINGED DOORS IN SERIES



(E) HINGED DOOR

HANDICAPPED ACCESS NOTES:

1. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE MOUNTED SO THAT CLEAR WIDTH OF DOORWAY IS AT LEAST 32 INCHES.

2. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE.

3. MAXIMUN EFFORT TO OPERATE FIRE DOORS SHALL BE 15 LBS.
AT OTHER INTERIOR DOORS MAXIMUN EFFORT TO OPERATE SHALL BE 5LBS.

4. FLOOR, RAMP, AND TREAD SURFACES SHALL BE SLIP RESISTANT.

5. EMERGENCY WARNING SYSTEMS SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.

6. THRESHOLDS SHALL NOT BE MORE THAN 1/2" HIGHER THAN ADJACENT FLOOR OR LANDING. LEVEL CHANGE BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH SLOPE NO GREATER THAN 1:2.

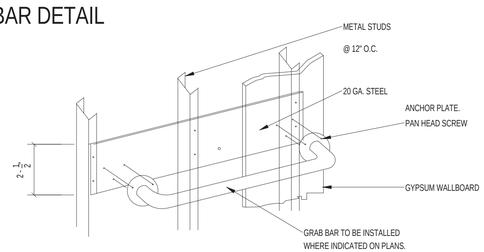
7. CENTER OF ALARM PULL BOXES SHALL BE 4'-0" A.F.F.

THE SECTIONS REFERENCED ARE FROM THE AMERICAN NATIONAL STANDARDS INSTITUTE, INC., (ANSI) PUBLICATION A117.1-1986. FOR ADAPTABLE DESIGN REQUIREMENTS FOR KICHENS, REFER TO KITCHEN DRAWINGS A-XXX THROUGH A-XXX. ALL SECTIONS MENTIONED REFER TO ANSI A117.1 -1986.

GRAB BAR DETAIL

NOTES:
ICC/ANSI A117.1-2003
604.5.1 FIXED SIDE WALL GRAB BARS

A VERTICAL GRAB BAR 18" MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39" AND 41" ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39" AND 41" FROM THE REAR WALL.



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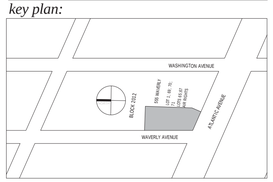
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

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ADA Notes

SEAL & SIGNATURE

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	12" = 1'-0"
DWG No:	A003.00

AS PER BC SEC. 1004 & TABLE 1004.1:

OC Load - Cellar				
Room#	Room	Area	O.L.R.	OCCUPANTS
	Bicycle Storage	1,642 SF	300	6
	Compactor Rm	247 SF	300	0
	Water Meter Pump Room	706 SF	300	0
	Switch Gear	546 SF	300	0
	Gas Meter	342 SF	300	0
	Fire Pump Room	149 SF	300	0
	Telephone Room	85 SF	300	0
	Res. Laundry Rm	618 SF	300	2
	Super Office	396 SF	300	1
	Super/Bldng. Storage	Redundant Room	300	2
		4,731 SF		11

AS PER BC SEC. 1004 & TABLE 1004.1:

OC Load - Ground Floor				
Room#	Room	Area	O.L.R.	OCCUPANTS
	C	599 SF	200	3
	D	597 SF	200	3
	L	483 SF	200	3
	K	593 SF	200	3
	J	536 SF	200	3
	H	404 SF	200	2
	G	593 SF	200	3
	Commercial	6,922 SF	30	253
	Package Rm	222 SF	300	1
	Residents Lounge	1,880 SF	15	100
	Room	1,483 SF		
	A	572 SF		
	B	592 SF		
	E	469 SF		
	F	413 SF		
		16,358 SF		374

AS PER BC SEC. 1004 & TABLE 1004.1:

OC Load - 2nd Floor				
Room#	Room	Area	O.L.R.	OCCUPANTS
	A	364 SF	200	3
	B	585 SF	200	3
	D	474 SF	200	3
	E	580 SF	200	3
	F	431 SF	200	3
	G	583 SF	200	3
	L	609 SF	200	4
	M	399 SF	200	2
	N	654 SF	200	4
	R	570 SF	200	4
	U	400 SF	200	2
	BB	645 SF	200	4
	CC	644 SF	200	4
	Z	443 SF	200	3
	Refuse Rm	30 SF	300	0
	X	642 SF		
	DD	472 SF		
	W	801 SF		
	C	810 SF		
	EE	695 SF		
	K	541 SF		
	J	540 SF		
	T	411 SF		
	AA	836 SF		
	S	818 SF		
	P	660 SF		
		14,636 SF		45

AS PER BC SEC. 1004 & TABLE 1004.1:

OC Load - 3rd-5th Typical Floor				
Room#	Room	Area	O.L.R.	OCCUPANTS
	H	738 SF		
	A	467 SF		
	B	585 SF		
	C	810 SF		
	D	474 SF		
	E	580 SF		
	F	431 SF		
	G	630 SF		
	J	596 SF		
	K	541 SF		
	L	609 SF		
	M	402 SF		
	N	654 SF		
	P	696 SF		
	R	632 SF		
	S	911 SF		
	U	400 SF		
	V	401 SF		
	W	401 SF		
	X	605 SF		
	Y	517 SF		
	Z	441 SF		
	AA	863 SF		
	BB	639 SF		
	CC	643 SF		
	DD	472 SF		
	EE	743 SF		
		15,881 SF		0

AS PER BC SEC. 1005 & TABLE 1005.1:

CAPACITY OF STAIR EXIT DOORS - R-2 OCCUPANCY GROUP			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	36"	0.2	180
STAIR #B	36"	0.2	180
TOTAL			360

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED CELLAR FLOOR STAIR EXIT DOORS IS 13, THUS THE PROPOSED EXIT CAPACITY PROVIDED (360) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

CAPACITY OF EXIT STAIRWAY			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	37"	0.3	124
STAIR #B	37"	0.3	124
TOTAL			148

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED CELLAR FLOOR EXIT STAIRWAYS IS 13, THUS THE PROPOSED EXIT CAPACITY PROVIDED (148) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

TRAVEL DISTANCE:

1. THE MAXIMUM TRAVEL DISTANCE PERMITTED 200'-0"
   -THE MAXIMUM TRAVEL DISTANCE PROVIDED 104'-0"
2. THE MINIMUM CORRIDOR WIDTH PERMITTED IS 42"
   -THE MINIMUM CORRIDOR WIDTH PROVIDED IS 42"

AS PER BC SEC. 1005 & TABLE 1005.1:

CAPACITY OF EXIT DOORS TO OUTDOORS AT GRADE - R-2 OCCUPANCY GROUP			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
G1	36"	0.2	180
G2	36"	0.2	180
C1	72"	0.2	360
TOTAL			720

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED GROUND FLOOR STAIR EXIT DOORS IS 417, THUS THE PROPOSED EXIT CAPACITY PROVIDED (720) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

TRAVEL DISTANCE:

1. THE MAXIMUM TRAVEL DISTANCE PERMITTED 200'-0"
   -THE MAXIMUM TRAVEL DISTANCE PROVIDED 97'-0"
2. THE MINIMUM CORRIDOR WIDTH PERMITTED IS 42"
   -THE MINIMUM CORRIDOR WIDTH PROVIDED IS 42"

AS PER BC SEC. 1005 & TABLE 1005.1:

CAPACITY OF STAIR EXIT DOORS - R-2 OCCUPANCY GROUP			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	36"	0.2	180
STAIR #B	36"	0.2	180
TOTAL			360

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED SECOND FLOOR STAIR EXIT DOORS IS 88, THUS THE PROPOSED EXIT CAPACITY PROVIDED (360) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

CAPACITY OF EXIT STAIRWAY			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	37"	0.3	124
STAIR #B	37"	0.3	124
TOTAL			148

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED SECOND FLOOR EXIT STAIRWAYS IS 88, THUS THE PROPOSED EXIT CAPACITY PROVIDED (148) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

TRAVEL DISTANCE:

1. THE MAXIMUM TRAVEL DISTANCE PERMITTED 200'-0"
   -THE MAXIMUM TRAVEL DISTANCE PROVIDED 183'-4"
2. THE MINIMUM CORRIDOR WIDTH PERMITTED IS 42"
   -THE MINIMUM CORRIDOR WIDTH PROVIDED IS 42"

AS PER BC SEC. 1005 & TABLE 1005.1:

CAPACITY OF STAIR EXIT DOORS - R-2 OCCUPANCY GROUP			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	36"	0.2	180
STAIR #B	36"	0.2	180
TOTAL			360

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED THIRD-FIFTH FLOOR STAIR EXIT DOORS IS 95, THUS THE PROPOSED EXIT CAPACITY PROVIDED (360) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

CAPACITY OF EXIT STAIRWAY			
EXITS	DOOR WIDTH	EGRESS WIDTH PER OCC. SERVED	EXIT CAPACITY
STAIR #A	37"	0.3	124
STAIR #B	37"	0.3	124
TOTAL			148

CONCLUSION:

AS PER SECT. 1005, OF THE 2008 DOB BC, THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY THE FACTORS IN TABLE 1005.1 OF THE 2008 NYC DOB BC.

THE TOTAL OCCUPANT LOAD FOR THE PROPOSED THIRD-FIFTH FLOOR EXIT STAIRWAYS IS 95, THUS THE PROPOSED EXIT CAPACITY PROVIDED (148) WILL ACCOMMODATE THE OCCUPANT LOAD INDICATED.

TRAVEL DISTANCE:

1. THE MAXIMUM TRAVEL DISTANCE PERMITTED 200'-0"
   -THE MAXIMUM TRAVEL DISTANCE PROVIDED 183'4"
2. THE MINIMUM CORRIDOR WIDTH PERMITTED IS 42"
   -THE MINIMUM CORRIDOR WIDTH PROVIDED IS 42"

NOTE:

1. AS PER SECT. 1009.1, OF THE 2008 DOB BC, THEWIDTH OF STAIRWAYS SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT SUCH WIDTH SHALL NOT BE LESS THAN 44 INCHES. AS PER SECT. EXCEPTION 1.2. A WIDTH OF NOT LESS THAN 36 INCHES SHALL BE PERMITTED IN A STAIRWAY THAT PROVIDES EGRESS TO THE EXIT DISCHARGE SOLELY FOR THE USE OF GROUP R-2 OCCUPANCIES, PROVIDED THE BUILDING IT SERVES IS 125 FEET OR LESS IN HEIGHT, AND PROVIDED SUCH STAIRWAY SERVES NOT MORE THAN 30 OCCUPANTS PER FLOOR.

2. THE BUILDING WILL BE ENTIRELY SPRINKLED AS PER B.C. SECTION 903.2.7

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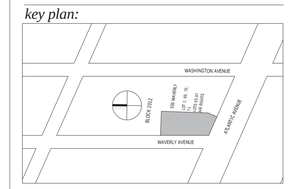
key plan:



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revisions:

issued:

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DRAWING TITLE

EGRESS ANALYSIS

SEAL & SIGNATURE

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DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	12" = 1'-0"
DWG No:	A004.00

G E N E R A L N O T E S

ALL DRAWINGS INCLUDED HEREIN, NOTES MENTIONED ON THIS DRAWING AS WELL AS ON THE VARIOUS DRAWINGS, INCLUDING THE WRITTEN SPECIFICATIONS SHALL FORM PART OF THE CONTRACT. THE ARCHITECT SHALL BE PROMPTLY NOTIFIED OF ANY DISCREPANCIES WITHIN THE DOCUMENTS FOR CLARIFICATION.

BUILDING CLASSIFICATION : 1B

NOTE: UNLESS NOTED OTHERWISE, SECTION NUMBERS REFER TO APPLICABLE SECTIONS OF THE BUILDING CODE OF THE CITY OF NEW YORK. THE CM AND/OR CONTRACTOR SHALL REFER TO ALL REFERENCED CODE SECTIONS.

BUILDING CLASSIFICATION STATEMENT (BC 106.4):

1. OCCUPANCY GROUPS: R-2, M, S-2, B
2. MAIN OCCUPANCY: R-2
3. CONSTRUCTION CLASSIFICATION: 1B
4. STRUCTURAL OCCUPANCY CATEGORY: 2
5. BUILDING HEIGHT: 498 FEET
6. FDNY ROOF ACCESS AT 2ND FLOOR ON CRANE STREET, 4TH FLOOR ON DAVIS STREET, & 6TH FLOOR ON JACKSON AVENUE.
7. FIRE DISTRICT: QUEENS 9B
8. MDL CLASS: A

1. ALL NOTES HEREIN MENTIONED, INCLUDING NOTES ON THE VARIOUS DRAWINGS, WRITTEN SPECIFICATIONS SHALL FORM PART OF THE CONTRACT.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE 2008 BUILDING CODE OF THE CITY OF NEW YORK CITY.
3. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. ARCHITECT'S OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.
4. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. DRAWINGS ARE NOT TO BE SCALED. ALL WORK SHALL BE LAID OUT BY DIMENSIONS.
5. ALL CONSTRUCTION, DIMENSIONS, AND DETAILS SHALL CONCUR WITH AND BE DETERMINED FROM THESE DRAWINGS ONLY.
6. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGES, COLLAPSE, DISTORTIONS, AND OFF-ALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD PRACTICE.
7. CONSTRUCTION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, RULES, AND REGULATIONS PERTAINING TO LABOR AND MATERIALS.
8. EACH CONTRACTOR WILL BE HELD STRICTLY RESPONSIBLE FOR HIS WORK. ANY DISCREPANCIES IN THE PLANS OR DETAILS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
9. SPECIAL INSPECTIONS SHALL BE OBTAINED FOR THE FOLLOWING AREAS OF WORK. INSPECTIONS SHALL BE MADE AND WITNESSES BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO THE ARCHITECT OF RECORD. TEST REPORTS AND CERTIFICATES OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT.

	SPECIAL INSPECTIONS & TEST	CODE SECTION
A.	FIRE ALARM TEST	(BC 907, BC 1704.14)
B.	CONCRETE - CAST IN PLACE	(BC 1704.4)
C.	MECHANICAL SYSTEMS	(BC 1704.15)
D.	FUEL GAS PIPING (WELDING)	(BC 1704.18)
E.	EXCAVATION - SHEETING, SHORING, AND BRACING	(BC 1704.19, BC 3304.4.1)
F.	SITE STORM DRAINAGE DISPOSAL AND DETENTION SYSTEM INSTALLATION	(BC 1704.20)
G.	SPRINKLER SYSTEMS	(BC 1704.21)
H.	STANDPIPE SYSTEMS	(BC 1704.22)
I.	HEATING SYSTEMS	(BC 1704.23)
J.	CHIMNEYS	(BC 1704.24)
K.	FIRESTOP, DRAFSTOP, AND FIREBLOCK SYSTEMS	(BC 1704.25)
L.	CONCRETE TEST CYLINDERS	(BC 1905.6)
M.	CONCRETE DESIGN MIX	(BC 1905.3)
N.	ENERGY CODE COMPLIANCE INSPECTIONS	(BC 109.3.5)
O.	STRUCTURAL STEEL - WELDING	
P.	STRUCTURAL STEEL - ERECTION AND BOLTING	
Q.	MASONRY	
R.	SOILS - SITE PREPARATION	
S.	SOILS - FILL PLACEMENT & IN-PLACE DENSITY	
T.	SOILS - INVESTIGATIONS (BORINGS/TEST PITS)	
U.	PILE FOUNDATIONS & DRILLED PIER INSTALLATION	
V.	SPRAYED FIRE-RESISTANT MATERIALS	
W.	FRAME INSPECTION	
X.	FIRE-RESISTANCE RATED CONSTRUCTION	
Y.	FLOODPROOF CONSTRUCTION	(BC G105)

10. LIST OF APPROVALS TO BE FILED SEPARATELY:
    - A. FIRE PROTECTION PLAN (APPLICATION #TBD)
    - B. SPRINKLERS (APPLICATION #TBD)
    - C. STANDPIPES (APPLICATION #421038932)
    - D. ELEVATORS (APPLICATION #TBD)
    - E. FIRE ALARM (APPLICATION #TBD)
    - F. CURB CUTS & SIDEWALKS (APPLICATION #TBD)
    - G. BOILERS (APPLICATION #TBD)
    - H. BUILDER'S PAVEMENT PLAN (APPLICATION #440169817)
    - I. UNDERPINNING & SHORING (APPLICATION #TBD)
    - J. SITE SAFETY PLAN
    - K. DEMOLITION (APPLICATION #----------)
11. EQUIPMENT USE PERMITS: INSPECTIONS AND TESTS PERMITS WILL BE OBTAINED FOR USE OF THE FOLLOWING EQUIPMENT:
    - A. AIR CONDITIONING AND VENTILATION SYSTEMS
    - B. ELEVATORS
    - C. HEATING SYSTEMS.
    - D. BOILERS
    - E. STANDPIPES (UNDER SEPARATE APPLICATION)
    - F. SPRINKLERS (UNDER SEPARATE APPLICATION)
12. EQUIPMENT REQUIRING USE OF PERMITS SHALL BE INSPECTED AND TESTED TO DETERMINE PROPER FUNCTIONING AND COMPLIANCE WITH THE BUILDING CODE AND OTHER APPLICABLE LAWS AND REGULATIONS. ALL INSPECTIONS AND TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIRED INSPECTION AND TEST PROCEDURES AND SIGNED COPIES OF REQUIRED INSPECTIONS AND TEST REPORTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS AND FORM PART OF THE PAPERS ACCOMPANYING THE PERMIT APPLICATION.
13. POST-FIRE SMOKE PURGE SYSTEMS IN R-2 OCCUPANCY GROUP NOT REQUIRED (BC 403.13)
14. NOTIFICATION OF THE DEPARTMENT. NO EARTHWORK WITHIN THE PROPERTY LINE SHALL COMMENCE UNLESS THE PERMIT HOLDER NOTIFIES THE DEPARTMENT, VIA PHONE OR ELECTRONICALLY, AT LEAST 24 HOURS, BUT NO MORE THAN 48 HOURS PRIOR THE COMMENCEMENT OF SUCH WORK. THE NOTIFICATION SHALL STATE THE DATE THAT SUCH EARTHWORK IS TO COMMENCE. REFER TO SECTION 3304 (BC 3304.3.1)
15. MECHANICAL EQUIPMENT AND BUILDING SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 NEW YORK CITY MECHANICAL CODE AND THE 2008 NEW YORK CITY FUEL GAS CODE. (BC 2801.1)
16. PLUMBING SYSTEM AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 NEW YORK CITY BUILDING CODE. (BC 2901.1)
17. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.
18. EVERY STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS OF THE 2008 NYC BUILDING CODE APPENDIX F RODENT PROOFING AS REQUIRED AND INDICATED. MATT FOUNDATION IS PROPOSED AT CELLAR LEVEL. REFER TO S-101 AND S-102 FOR DETAILS TO NOTE ABUTTING FOUNDATION WALL DETAILS.

2008 NYC BUILDING CODE - TABLE COMPLIANCE

19. TABLE 503 (503.1)
    1B- PROPOSED TYPE OF CONSTRUCTION
    R2 (GROUP) S- UNLIMITED
    A- UNLIMITED
20. TABLE 508.2
    INCIDENTAL USES, ALL ROOM OR AREAS WILL COMPLY WITH THE REQUIRED FIRE SEPARATION REFER TO FLOOR PLANS ON SHEETS A-101 THROUGH A-160 AND PARTITION TYPES ON A-300.00.
21. TABLE 508.3.3
    REQUIRED SEPARATION OF OCCUPANCIES

PROPOSED GROUPS:	HOUR SEPARATION:
R2- RESIDENTIAL	REQUIRED = 2 HOURS
M - MERCANTILE	PROVIDED = 2 HOURS
S-2 - STORAGE (PARKING)	
B - BUSINESS	

22. TABLE 601
    FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)
    PROPOSED CONSTRUCTION TYPE 1B:

BUILDING ELEMENT	HOURS REQUIRED	HOURS PROVIDED
STRUCTURAL FRAME	2	2
EXTERIOR BEARING WALLS	2	2
INTERIOR BEARING WALLS	3	N/A
NON-BEARING WALLS (EXTERIOR)	1 (TABLE 602)	1 (TABLE 602)
NON-BEARING WALLS (INTERIOR)	0	0
FLOOR CONSTRUCTION	2	2
ROOF CONSTRUCTION	1	1

23. TABLE 803.5
    INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY
    REQUIRED & PROVIDED FOR SPRINKLERED SPACES:

GROUP	VERTICAL EXITS & PASSAGEWAYS	EXIT ACCESS CORRIDORS & OTHER EXITWAYS	ROOMS & ENCLOSED SPACES
M / B	B	B	B
R-2	B	B	C
R-2	B	C	C

B = FLAME SPREAD 26-75 C = FLAME SPREAD 76-200

24. ENTRANCE DOORS WILL COMPLY WITH NYC BC 1008.4.1
25. DOORS TO DWELLING UNITS WILL COMPLY WITH NYC BC 1008.4.2
26. WINDOWS WILL COMPLY WITH NYC BC 1008.4.3
27. INTERCOMMUNICATION SYSTEM WILL COMPLY WITH NYC BC 1008.4.4

27a. CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN ALL DWELLING UNITS AS PER NYC BC 908.7.1.2.

NOTE: THE FOLLOWING PARAGRAPHS ARE SELECTED SECTIONS OF THE HOUSING MAINTENANCE CODE. THE BUILDING OWNER SHALL REFER, AND COMPLY WITH ALL APPLICABLE SECTIONS OF THE HOUSING MAINTENANCE CODE, INCLUDING BUT NOT LIMITED TO SECTIONS LISTED BELOW.

28. OWNER SHALL FILE REGISTRATION STATEMENT AS PER D26-41.01 AND D26-41.03 HMC
29. OWNER SHALL PROVIDE A SIGN IDENTIFYING OWNER, MANAGEMENT AND SUPERINTENDANTS PER D26-41.15.
30. FLOOR SIGNS SHALL BE PLACED AND MAINTAINED ON EACH FLOOR LEVEL AS PER D26-21.03 HMC.
31. ALL APARTMENT ENTRANCE DOORS SHALL BE A MINIMUM 3/4 HOUR RATED, SELF CLOSING WITH PEEPHOLES AS PER D26-20.01 HMC AND LOCKS AS PER D26-20.05 HMC
32. MIRRORS IN ELEVATORS SHALL BE AS PER D26-20.03 HMC.
33. THE BUILDING'S HEATING AND HOT WATER SUPPLY SHALL COMPLY WITH D26-17.01, 17.03, 17.05 AND 17.07 HMC.
34. LIGHTING SHALL BE PROVIDED AS PER D26-19.03, D26-19.05, AND D26-19.07 HMC. AND C26-605AC, C26-1203AC AND SECTION 26-35 MDL.
35. GARBAGE COLLECTION AND STORAGE IN RECEPTACLES SHALL COMPLY WITH D26-14.03 AND D26-14.05 HMC.
36. U.S. MAIL SERVICE SHALL BE PROVIDED AS PER D26-21.01 HMC.
37. THE BUILDING STREET NUMBER SHALL BE DISPLAYED AS PER D26-21.05.
38. JANITORIAL SERVICES SHALL BE PROVIDED AS PER D26-22.03 HMC.
39. OWNER SHALL PAINT ALL PUBLIC PARTS OF A MULTIPLE DWELLING AS PER D26-12.01 HMC
40. INTERIOR OF DWELLING UNITS SHALL BE CLEANED AS PER D11.05 HMC.
41. DUTIES OF OWNER SHALL BE AS PER D26-10.01 HMC.
42. DUTIES OF TENANTS SHALL BE AS PER D26-10.03 AND 10.05 HMC.
43. OWNER'S RIGHT OF ACCESS SHALL BE AS PER D26-10.07 HMC.
44. EXTERMINATION AND RODENT ERADICATION SHALL BE AS PER D26-13.03 AND 13.05 HMC.
45. WATER SHALL BE SUPPLIED AS PER D26-15.01 &15.03 HMC.
46. THE PLUMBING AND DRAINAGE SYSTEM SHALL BE MAINTAINED AS PER D26-16.01HMC.
47. DRAINAGE OF ROOFS AND COURT YARDS SHALL BE AS PER D26-16.03 HMC.
48. NATURAL LIGHT AND VENTILATION SHALL BE PROVIDED AS PER D26-30.014 AND 30.03 HMC FOR MULTIPLE DWELLINGS.
49. SANITARY FACILITIES IN MULTIPLE DWELLINGS AND LIGHT AND VENTILATION FOR TOILET COMPARTMENTS SHALL BE AS PER D26-31.01, 31.03, 31.05, 31.07 AND 31-11 HMC
50. KITCHENS AND KITCHENETTES SHALL BE PROVIDED WITH PROPER FACILITIES, EQUIPMENT, LIGHTING, VENTILATION AND FIRE PROTECTION AS PER D26-32.01, 32.03, AND 32.05 HMC.
51. MINIMUM ROOM SIZES SHALL BE AS PER D26-33.01 AND MAXIMUM OCCUPANCY SHALL BE AS PER D26-33.03.

MULTIPLE DWELLING LAW GENERAL PROVISIONS

52. LIGHTING AND VENTILATION OF ROOMS SHALL BE AS PER SECTION 30, MDL.
53. SIZE OF ROOMS SHALL BE AS PER SECTION 31, MDL
54. ALCOVES SHALL BE AS PER SECTION 32, MDL
55. COOKING SPACES (KITCHENS & KITCHENETTES) SHALL BE AS PER SECTION 33, MDL.
56. BUILDING ENTRANCE DOORS AND LIGHTS SHALL BE AS PER SECTION 35, MDL.
57. WINDOWS AND SKYLIGHTS FOR PUBLIC HALLS AND STAIRS SHALL BE AS PER SECTION 36, MDL.
58. ARTIFICIAL HALL LIGHTING SHALL BE AS PER SECTION 37, MDL.
59. ENTRANCE HALLS TO BE AS PER SECTION 50, MDL.
60. BUILDING ENTRANCE DOORS, LOCKS AND INTERCOMMUNICATIONAL SYSTEMS SHALL BE AS PER SECTION 50-A, MDL
61. ALL SHAFTS, ELEVATORS AND DUMBWAITERS SHALL BE AS PER SECTION 51, MDL.
62. APARTMENT PEEPHOLES SHALL BE AS PER SECTION 51-A, MDL.
63. MIRRORS IN SELF-SERVICE ELEVATORS SHALL BE AS PER SECTION 51-B, MDL.
64. STAIRS SHALL BE AS PER SECTION 52, MDL.
65. WAINSCOTING SHALL BE AS PER SECTION 55, MDL.
66. ENTRANCE BOLTS AND MAIL RECEPTACLES SHALL BE AS PER SECTION 57, MDL
67. ALL INCOMBUSTIBLE MATERIALS SHALL BE AS PER SECTION 58, MDL.
68. PARAPETS AND GUARD RAILINGS SHALL BE AS PER SECTION 62, MDL.
69. SUB-CURB USES SHALL BE AS PER SECTION 63, MDL.
70. LIGHTING, GAS METERS, GAS AND OIL APPLIANCES SHALL BE AS PER SECTION 64, MDL.
71. BOILER ROOMS SHALL BE AS PER SECTION 65, MDL.
72. WATER SUPPLY SHALL BE AS PER SECTION 75, MDL.
73. WATER-CLOSET AND BATH ACCOMMODATIONS SHALL BE AS PER SECTION 76, MDL.
74. PLUMBING AND DRAINAGE SHALL BE AS PER SECTION 77, MDL.
75. REPAIRS SHALL BE MADE AS PER SECTION 78, MDL.

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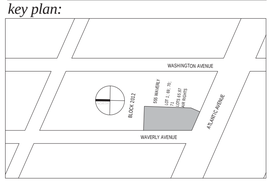

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

GENERAL NOTES

SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'H JR 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jom
SCALE:	12" = 1'-0"
DWG No:	A005.00

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

GENERAL NOTES CONT'D

76. HEAT SHALL BE PROVIDED AS PER SECTION 79, MDL.

77. CLEANLINESS SHALL BE AS PER SECTION 80, MDL.

78. RECEPTACLES FOR WASTE MATTER SHALL BE AS PER SECTION 81, MDL.

79. PRIVACY SHALL BE AS PER SECTION 82, MDL.

80. JANITORIAL SERVICES SHALL BE AS PER SECTION 83, MDL.

81. CONSTRUCTION STANDARDS FOR THE CONTROL OF NOISE SHALL BE AS PER SECTION 84, MDL.

82. BC 403.6 EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.12.2

83. BC 403.7 FIRE DEPARTMENT COMMUNICATION SYSTEM. A TWO-WAY FIRE DEPARTMENT COMMUNICATION SYSTEM SHALL BE PROVIDED FOR FIRE DEPARTMENT USE IN ACCORDANCE WITH SECTION 907.2.12.3

84. BC 403.8 FIRE COMMAND. A FIRE COMMAND CENTER COMPLYING WITH SECTION 911 SHALL BE PROVIDED IN A LOCATION APPROVED BY THE FIRE DEPARTMENT

85. BC 403.11, BC 403.11.2 EMERGENCY POWER SYSTEMS. AN EMERGENCY POWER SYSTEM COMPLYING WITH SECTION 2702 SHALL BE PROVIDED FOR EMERGENCY POWER LOADS BC3003.3.2, IN HIGH-RISE BUILDINGS AS DEFINED IN SECTION 403, ALL FLOORS SHALL BE SERVED BY AT LEAST ONE ELEVATOR THAT SHALL BE KEPT AVAILABLE FOR IMMEDIATE USE BY THE FIRE DEPARTMENT DURING ALL HOURS OF THE NIGHT AND DAY, INCLUDING HOLIDAYS, SATURDAYS AND SUNDAYS

86. BC 3003.3.2.1 THREE OR FEWER ELEVATORS. WHERE A FLOOR IS SERVICED BY THREE OR FEWER ELEVATOR CARS, EVERY CAR SHALL BE KEPT AVAILABLE FOR SOLE USE BY THE FIRE DEPARTMENT

87. BC 1007.2.1 HIGH RISE BUILDINGS. IN HIGH-RISE BUILDINGS SUBJECT TO SECTION 403, AT LEAST ONE REQUIRED ACCESIBLE MEANS OF EGRESS SHALL BE AN ELEVATOR COMPLYING WITH SECTION 1007.4

88. BC 1007.4 ELEVATOR SHALL COMPLY WITH THE EMERGENCY OPERATION AND SIGNALING DEVICE REQUIREMENTS OF SECTION 2.27 OF ASME A17.1 AND SECTION 1109.6. EMERGENCY POWER SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 2702 AND 3003

89. BC 1019.1.8 EACH OF THE EXITS OF A BUILDING THAT SERVES STORIES WHERE THE FLOOR SURFACE IS LOCATED MORE THAN 75FT ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS SHALL BE A SMOKEPROOF ENCLOSURE OR PRESSURIZED STAIRWAY IN ACCORDANCE WITH SECTION 909.20

TABLE II - PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE
- COMMERCIAL BUILDINGS
(MULTI-FAMILY BUILDINGS ARE CLASSIFIED AS COMMERCIAL)

	INSPECTION/TEST	ECC/OTHER CITATION
IIA	ENVELOPE INSPECTIONS	
IIA1	PROTECTION OF EXPOSED FOUNDATION INSULATION	303.2.1; ASHRAE 90.1 - 5.8.1.7
IIA2	INSULATION PLACEMENT AND R-VALUES	303.1, 303.1.1, 303.1.2, 502.1, 502.2; ASHRAE 90.1 - 5.5, 5.6 or 11; 5.8.1;
IIA3	FENESTRATION VALUES AND PRODUCT RATINGS FOR U-FACTORS AND SHGC VALUES	303.1, 303.1.3, 502.3; ASHRAE 90.1 - 5.5, 5.6 or 11; 5.8.2;
IIA4	FENESTRATION AND DOOR ASSEMBLY PRODUCT RATINGS FOR AIR LEAKAGE	502.4; ASHRAE 90.1- 5.4.3.2
IIA5	FENESTRATION AREAS	502.3; ASHRAE 90.1 - 5.5.4, 5.6 or 11
IIA6	SEALING	502.4.3, 502.4.7; ASHRAE 90.1 - 5.4.3.1
IIA7	PROJECTION FACTORS	502.3; ASHRAE 90.1 - 5.5.4, 5.6 or 11
IIA8	MOISTURE CONTROL, VAPOR RETARDER	502.4.5; ASHRAE 90.1 - 5.4.3.3
IIA9	BUILDING ENTRANCE VESTIBULES	502.4.6; ASHRAE 90.1 - 5.4.3.4
IIB	MECHANICAL AND SERVICE WATER HEATING INSPECTIONS	
IIB2	DAMPERS INTEGRAL TO THE BUILDING THERMAL ENVELOPE	502.4.4; ASHRAE 90.1 - 6.4.3.4
IIB3	HVAC AND SERVICE WATER HEATING EQUIPMENT PERFORMANCE	503.2, 504.2, 504.7; ASHRAE 90.1 - 6.3, 6.4.1, 6.4.2, 6.8; 7.4, 7.8
IIB4	HVAC SYSTEM CONTROLS AND ECONOMIZERS AND SERVICE HOT WATER SYSTEM CONTROLS CONTROLS WITH SEASONALLY DEPENDENT FUNCTIONALITY	503.2.4, 503.2.5.1, 503.2.11, 503.3, 503.4, 504.3, 504.6, 504.7; ASHRAE 90.1 - 6.3, 6.4, 6.5, 6.7.2.4, 7.4.4, 7.4.5
IIB5	DUCT, PLENUM AND PIPING INSULATION AND SEALING	503.2.7, 503.2.8, 504.5; ASHRAE 90.1 - 6.3, 6.4.4.2, 6.8.2, 6.8.3; 7.4.3
IIB6	AIR LEAKAGE TESTING FOR DUCT SYSTEMS DESIGNED TO OPERATE AT STATIC PRESSURES IN EXCESS OF 3 INCHES W.G. (746 Pa)	503.2.7.1.3; ASHRAE 90.1 - 6.4.4.2
IIC	ELECTRICAL POWER AND LIGHTING SYSTEMS	
IIC1	ELECTRICAL METERING	505.7
IIC2	LIGHTING IN DWELLING UNITS	505.5.3
IIC3	INTERIOR LIGHTING POWER	505.5; ASHRAE 90.1 - 9.1, 9.2, 9.5, 9.6; 1RCNY Sect 101-07(c)(3)(v)(C)4
IIC4	EXTERIOR LIGHTING	505.6; ASHRAE 90.1 - 9.4.4, 9.4.5; 1RCNY Sect 101-07(c)(3)(v)(C)4
IIC5	LIGHTING CONTROLS	505.2, 505.2.2.2; ASHRAE 90.1 - 9.4.1, 9.4.1.2 (AS MODIFIED BY SECTION ECC A102)
IIC6	EXIT SIGNS	505.4; ASHRAE 90.1 - 9.4.3
IIC7	TANDEM WIRING	505.3; ASHRAE 90.1 - 9.4.2
IIC8	ELECTRIC MOTORS	503.2.10; ASHRAE 90.1 - 10.4
IID	OTHER	
IID1	MAINTENANCE INFORMATION	303.3, 503.2.9.3; ASHRAE 90.1 - 4.2.2.3, 6.7.2.2, 8.7.2

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

ABBREVIATIONS

A/C (A.C.)	SLEEVES & AIR CONDITIONER UNIT
A.C.T.	ACOUSTIC TILE CEILING
A.D.	AREA DRAIN
A.F.F.	ABOVE FINISH FLOOR
A.N.	AS NOTED
A.P.	APARTMENT ELECTRIC PANEL
A.S.	ALUMINUM SADDLE
ABV.	ABOVE
AC.T.C.S.	ACOUSTIC MINERAL CEILING TILE WITH CONCEALED SPLINE
ADJ.	ADJACENT
ADJUST.	ADJUSTABLE
ALUM.	ALUMINUM
APT.	APARTMENT
@	AT
B.	BATH
B.C.	BRICK COURSES
B.CAB.	BASE CABINET
B.F.	BOILER FLUE
B.R.	BEDROOM
B.S.A.	BOARD OF STANDARDS AND APPEALS
B.T.	BATH TUB
BD.	BOARD
BETW.	BETWEEN
BLDG.	BUILDING
BLK.	BLOCK
BM.	BEAM
BOTT.	BOTTOM
BR.	BRICK
B.V.	BATH VENT
BKFT.	BREAKFAST ROOM
C.B.	CONCRETE BLOCK
C.C.J.	CAULKED CONTROL JOINT
C.H.	CONCRETE HARDENING
C.I.S.	CAST IRON SADDLE
C.J.	CONTROL (CONSTRUCTION) JOINT
C.L.L.	CONTRACT LIMIT LINE
C.M.T.	CORRUGATED METAL TIE
C.O.	CLEAN OUT
C.R.	CEILING REGISTER
C.S.	CAST STONE
C.T.	CERAMIC TILE
C.W.	COLD WATER
CAB.	CABINET
CEM.	CEMENT
CER.M.T.	CERAMIC MOSAIC TILE
CL.	CLOSET
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
CH.	CHAMBER
CONT.	CONTINUOUS
CONV.	CONVECTOR
CORR.	CORRIDOR
COUNT.	COUNTER
CPT.	CARPET
CRS.	COURSES
D.A.	DINING AREA (ALVOVE)
DR.	DRAIN
D.R.	DINING ROOM
D.E.	DRYER EXHAUST
D.F.	DELIVERED FINISHED
D.L.	DOUBLE LAYER
D.P.	DECK PAINT
D.U.	DWELLING UNIT
D.W.	DISHWASHER
DET.	DETAIL(S)
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DIR.	DIRECTIONAL
DIV.	DIVIDER
DN.	DOWN
DO.	DITTO
DR.	DRAIN
DWG.	DRAWING
E.C.	EXPOSED CONCRETE
E.G.	ESTABLISHED GRADE
E.H.	ELECTRIC HEATER
E.J.	EXPANSION JOINT
E.L.	EXIT LIGHT & SIGN
E.M.	EXPOSED MASONRY/TOOLED JOINT
E.P.	ENAMEL PAINT
E.S.	EXPOSED STEEL
E.W.P.M.	ELASTOMERIC WATERPROOF PAINT MEMBRANE
EL.	ELEVATION LEVEL
ELEC.	ELECTRIC
ELEV.	ELEVATOR
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXP.	EXPANSION
EXT.	EXTERIOR
F.	FOYER
F.A.I.	FRESH AIR INTAKE
F.B.	FACE BRICK
F.E.	FIRE EXTINGUISHER
F.F.B.D.	FULL FALSE BEAM DROP
F.H.	FULL HEIGHT
F.H.M.	FLUSH HOLLOW METAL
F.O.	FINISH OPENING
F.P.	FIREPROOF
F.P.C.	FACTORY PRIME COAT
F.P.H.B.	FROST PROOF HOSE BIBB
F.S.P.	FIRE STANDPIPE
F.P.S.C.	FIREPROOF SELF-CLOSING
F.P.W.G.	FIREPROOF WIRE GLASS
FDN.	FOUNDATION
FIN.	FINISH(ED)
FIN.FL.	FINISH FLOOR
FIXT.	FIXTURE
FL.	FLOOR
FL.DR.	FLOOR DRAIN
FLASH'G	FLASHING
F.R.	FIRE RATING
G.B.	GRAB BAR
G.C.	GARBAGE (REFUSE) CHUTE
G.E.P.	GLOSS ENAMEL PAINT
G.B. (GYP.BD.)	GYPSUM WALLBOARD (DRYWALL CONSTRUCTION)
G.B.F.B.	GYPSUM BOARD FURRED BEAM
G.B.H.C.	GYPSUM BOARD HUNG CEILING
G.B.T.O.	GYPSUM WALLBOARD TRIMMED OPENING
GA.	GAUGE
GALV.	GALVANIZED
GEN.	GENERAL
GL.	GLASS
GR.	GRADE
GYP.	GYPSUM
H. (HT.)	HIGH OR HEIGHT
H.B.	HOSE BIB
H.C.	HUNG CEILING
H.M.	HOLLOW METAL
H.P.	HIGH POINT
H.R.	HAND RAIL
H.V.	HALL VENT (DUCT)
H.V.A.C.	HEATING, VENTILATION & AIR CONDITIONING
H.W.	HOT WATER
I.D.	INSIDE DIAMETER
I.G.B.C.	INSULATED GYPSUM WALLBOARD CEILING
INCL.	INCLUDING
INSUL.	INSULATION
INT.	INTERIOR
JAN.CL.	JANITOR CLOSET
JT.	JOINT
K.	KITCHEN
KTTE.	KITCHENETTE
K.V.	KITCHENETTE VENT (DUCT)
L.C. (L.CL.)	LINEN CLOSET
L.D.	LOUVER DOOR
LIB.	LIBRARY
L.L.A.	LOOSE LINTEL ABOVE
L.P.	LOW POINT
L.R.	LIVING ROOM
LA.PL.	LAMINATED PLASTIC
LAM.	LAMINATED
LAV.	LAVATORY
LDR.	LEADER
LT.WT. (L.W.)	LIGHTWEIGHT
MB	MASTER BATHROOM
MBR	MASTER BEDROOM
M.C.	MEDICINE CABINET
M.CL.	METER CLOSET
M.D.L.	MULTIPLE DWELLING LAW
M.E.A.	MATERIAL & EQUIPMENT ACCEPTANCE DIVISION
MECHL	MECHANICAL
M.L.	METAL LINED
M.L.V.	METAL LOUVER VENT
M.O.	MASONRY OPENING
M.S.	MARBLE SADDLE
M.T.	MEN'S TOILET
M.V.	MECHANICAL VENTILATION
M.W.	MEMBRANE WATERPROOFING
MAINT.	MAINTENANCE
MAS.	MASON
MET. & GL.	METAL & GLASS
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MAX.	MAXIMUM
N.C.	NON-CORROSIVE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO. (#)	NUMBER
NOM.	NOMINAL
O.C.	ON CENTER
O.CAB.	OPEN CABINET
O.D.	OUTSIDE DIAMETER
O.F.	OVERFLOW
O.H.	OPPOSITE HAND
O.S.	OPEN SHELVES
OPG.	OPENING
OPP.	OPPOSITE
P. (PT.)	PAINT
P.B.	PLANTER BOX
P.D.	PUMP DISCHARGE
P.DR.	PLANTER DRAIN
P.E.J.F.	PRE MOLDED EXPANSION JOINT FILLED WITH CAULKING
P.H.	PUBLIC HALL
P.R.	POWDER ROOM
P.V.	PUBLIC CORRIDOR VENT DUCT
PART. (PTN.)	PARTITION
PC.	PIECE
PL.	PLATE
PLY.D.	PLYWOOD DIVIDER
POL.	POLISHED
PR.SLR.	PRIMER SEALER
PRMD.FIL.	PRE MOLDED FILLER
Q.T.	QUARRY TILE
R.	RANGE
R.D.	ROOF DRAIN
R.H.	RANGE HOOD
R.W.	RETAINING WALL
RAD.	RADIATOR
REC.	RECESSED
REF.	REFRIGERATOR
REG.	REGISTER
RESIL.	RESILIENT
RH.	RECESSED HAMPER
RM.	ROOM
S.	SINK
S.A.	SLEEPING AREA
S.A.D.	SMOKE ACTIVATED DOOR
S.A.P.	SIMULATED ACCOUSTICAL PAINT
S.C.L.	SERVICE CLOSET
S.E.	SERVICE ELEVATOR
S.F.	SQUARE FEET
S.H.	SERVICE HALL
S.I.P.	SOUND INSULATED PARTITION
S.M.	SURFACE MOUNTED
S.M.H.	SURFACE MOUNTED HAMPER
S.O.	SLAB OPENING
S.O.P.	SPRAY ON PAINT
S.S.	SLOP SINK
S.S.D.	SLIDING SHOWER DOORS
S.T.C.	SOUND TRANSMISSION CLASS
S.V.	SERVICE VENT (DUCT)
SEP.	SEPARATE
SH.	SHOWER
SPR.	SPRINKLER
ST. (STL.)	STEEL
ST.S.	STEEL SADDLE
ST.STL.	STAINLESS STEEL
STAT.	STATIONARY
STOR.	STORAGE
STR.JTS.	STRUCT JOINTS
S.W.	SHEAR WALL
T.	TUB
T.A.S.P.	TEXTURED ACOUSTICAL SPRAY-ON PAINT
T.B.	TOWEL BAR
T.C.	TOP OF COPING
T.E.	TOP OF EARTH
T.F.O.	TOP FLOOR ONLY
T.O.	TRIMMED OPENING
T.O.C.	TOP OF CURB
T.O.S.	
T.R.	TOP REGISTER
T.S.	TERRAZZO SADDLE
T.V.	TOILET VENT (DUCT)
T.W. (T.O.W.)	TOP OF WALL
TEMP.	TEMPERED
TERR.	TERRAZZO
TH.	THICK
TV.	TELEVISION
TYP.	TYPICAL
U. (URN.)	URINAL
U.C.	UNDER CUT
V.C.B.	VINYL COVE BASE
V.C.J.	VERTICAL CONTROL JOINT
V.C.T.	VINYL COMPOSITION TILE
V.P.	VISION PANEL
V.S.B.	VINYL STRAIGHT BASE
V.T.	VINYL TILE
V.W.F.	VINYL WALL FABRIC
VENT.	VENTILLATION
VEST.	VESTIBULE
W/	WITH
W/D	WASHER/DRYER
W	WHIRLPOOL
W.A.P.	WHIRLPOOL ACCESS PANEL
W.C.	WATER CLOSET
W.CAB.	WALL CABINET
W.D.	WINDOW DIMENSION
W.GL.	WIRE GLASS
W.I.	WROUGHT IRON
W.I.C.	WALK-IN CLOSET
W.M.	WASHING MACHINE
W.P.	WATERPROOF
W.R.	WATER RESISTANT
W.R.G.B. (WR/WB)	WATER RESISTANT GYPSUM BOARD
W.S.	WEATHER STRIP
W.T.	WOMEN'S TOILET
WD.	WOOD
W.H.	WEEP HOLE

LEGEND

- GYPSUM BOARD
- GYPSUM BOARD SHAFT WALL
- STEEL
- ALUMINUM
- FINISH WOOD
- SOLID WOOD (BLOCKING)
- PLYWOOD
- BATT INSULATION
- RIGID INSULATION
- GLASS
- EARTH
- POROUS FILL
- EXISTING BLK WALLS
- CONCRETE
- BRICK
- CONCRETE BLOCK
- GLAZED CONCRETE BLOCK
- TERRAZZO
- MARBLE
- PRE-CAST CONCRETE
- DUCT WALL

SYMBOLS

- 00 / 00X00 — COLUMN NUMBER & SIZE
- TX / 00 / 00X00 — TOILET (BATH) EXHAUST DUCT; SLAB OPENING SIZE
- KX / 00 / 00X00 — GENERAL KITCHEN EXHAUST DUCT; SLAB OPENING SIZE
- MAU / 00 / 00X00 — MAKE-UP AIR SUPPLY DUCT; SLAB OPENING SIZE
- RH / 00 / 00X00 — RANGE HOOD EXHAUST; SLAB OPENING SIZE
- MX / 00 / 00X00 — GENERAL MECHANICAL EXHAUST; SLAB OPENING SIZE
- T1 — DOOR TYPE (SEE SCHEDULE)
- W / W-4 — WINDOW TYPE (SEE SCHEDULE)
- 1A — PARTITION TYPE (SEE DETAIL)
- BULLS-EYE (AT DATUM ONLY)
- 1 / A-2 — ELEVATION & SHEET NUMBER
- 1 / A-2 — SECTION & SHEET NUMBER
- E.G.E. / 1.0 — EXISTING GRADE ELEVATION
- F.G.E. / 1.0 — FINISH GRADE ELEVATION
- S / CO — AREA SMOKE/CARBON MONOXIDE DETECTOR

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MEP Engineer:
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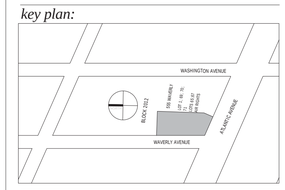
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

GENERAL NOTES

SEAL & SIGNATURE:

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	12" = 1'-0"
DWG No:	A006.00

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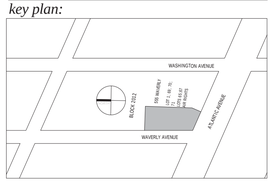

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

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SURVEY

SEAL & SIGNATURE

DATE:	12/18/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	
DWG No:	A007.00

COM*check* Software Version 3.9.3

Envelope Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**
Project Title : 555 Waverly

Construction Site:	Owner/Agent:	Designer/Contractor:
555 Waverly New York, NY 11238	Madison Realty Captial 825 Third Ave New York City, NY 10022	H. Tom O'Hara HTO Architect 370 Seventh Ave New York City , NY 10001

Section 2: General Information

Building Location (for weather data):	**Kings, New York**
Climate Zone:	**4a**
Building Space Conditioning Type(s):	**Nonresidential, Residential**
Vertical Glazing / Wall Area Pct.:	**40%**

Activity Type(s)	Floor Area
Multifamily	86529
Retail	7683

Section 3: Requirements Checklist

Envelope PASSES: Design 0.1% better than code

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Waverly Wall: Steel-Framed, 16" o.c., Residential	13670	19.0	0.0	0.110	0.064
Window 1: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: NA, SHGC 0.38, Residential (c)	6000	---	---	0.450	0.550
Window 2: Metal Frame Curtain Wall/Storefront, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	1200	---	---	0.450	0.500
Atlantic Wall: Steel-Framed, 16" o.c., Residential	3996	19.0	0.0	0.110	0.064
Window 3: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	1680	---	---	0.450	0.550
Window 4: Metal Frame Curtain Wall/Storefront, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	580	---	---	0.450	0.500
EXT Wall 3: Steel-Framed, 16" o.c., Residential	3482	19.0	0.0	0.110	0.064
EXT Wall 4: Steel-Framed, 16" o.c., Residential	1505	19.0	0.0	0.110	0.064
Window 5: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	540	---	---	0.450	0.550
Window 6: Metal Frame Curtain Wall/Storefront, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	240	---	---	0.450	0.500
EXT Wall 5: Steel-Framed, 16" o.c., Residential	12049	19.0	19.0	0.036	0.064
Window 7: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: na, SHGC 0.38, Residential (c)	5520	---	---	0.450	0.550
EXT Wall 6: Steel-Framed, 16" o.c., Residential	3010	19.0	0.0	0.110	0.064
Exterior Wall 7: Concrete Block:6", Solid Grouted,Medium Density , Furring: None, Residential	2111	---	0.0	0.660	0.090

Waverly Cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	3270	5.0	0.0	0.237	0.579
Atlantic Cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	956	5.0	0.0	0.237	0.579
Wall 3 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	483	5.0	0.0	0.237	0.579
Wall 4 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	1232	5.0	0.0	0.237	0.579
Wall 5 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	369	5.0	0.0	0.237	0.579
Wall 6 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	217	5.0	0.0	0.237	0.579
Wall 7 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	369	5.0	0.0	0.237	0.579
Wall 8 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	651	5.0	0.0	0.237	0.579
Wall 9 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	120	5.0	0.0	0.237	0.579
Wall 10 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	1134	5.0	0.0	0.237	0.579
Wall 11 cellar: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 12.0, Depth B.G. 12.0, Nonresidential	1200	5.0	0.0	0.237	0.579

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) "Other" components require supporting documentation for proposed U-factors.

(c) Fenestrations product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
2. Windows, doors, and skylights certified as meeting leakage requirements.
3. Component R-values & U-factors labeled as certified.
4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
5. "Other" components have supporting documentation for proposed U-Factors.
6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
8. Cargo doors and loading dock doors are weather sealed.
9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
10. Building entrance doors have a vestibule equipped with self-closing devices.

Exceptions:

- Building entrances with revolving doors.
- Doors not intended to be used as a building entrance.
- Doors that open directly from a space less than 3000 sq. ft. in area.
- Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
- Doors opening directly from a sleeping/dwelling unit.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.9.3 and to comply with the mandatory requirements in the Requirements Checklist.

H. THOMAS O'HARA — 11.5.14
Name - Title — Date

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

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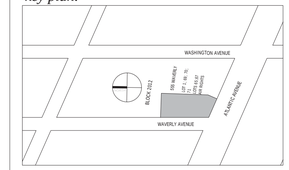


project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

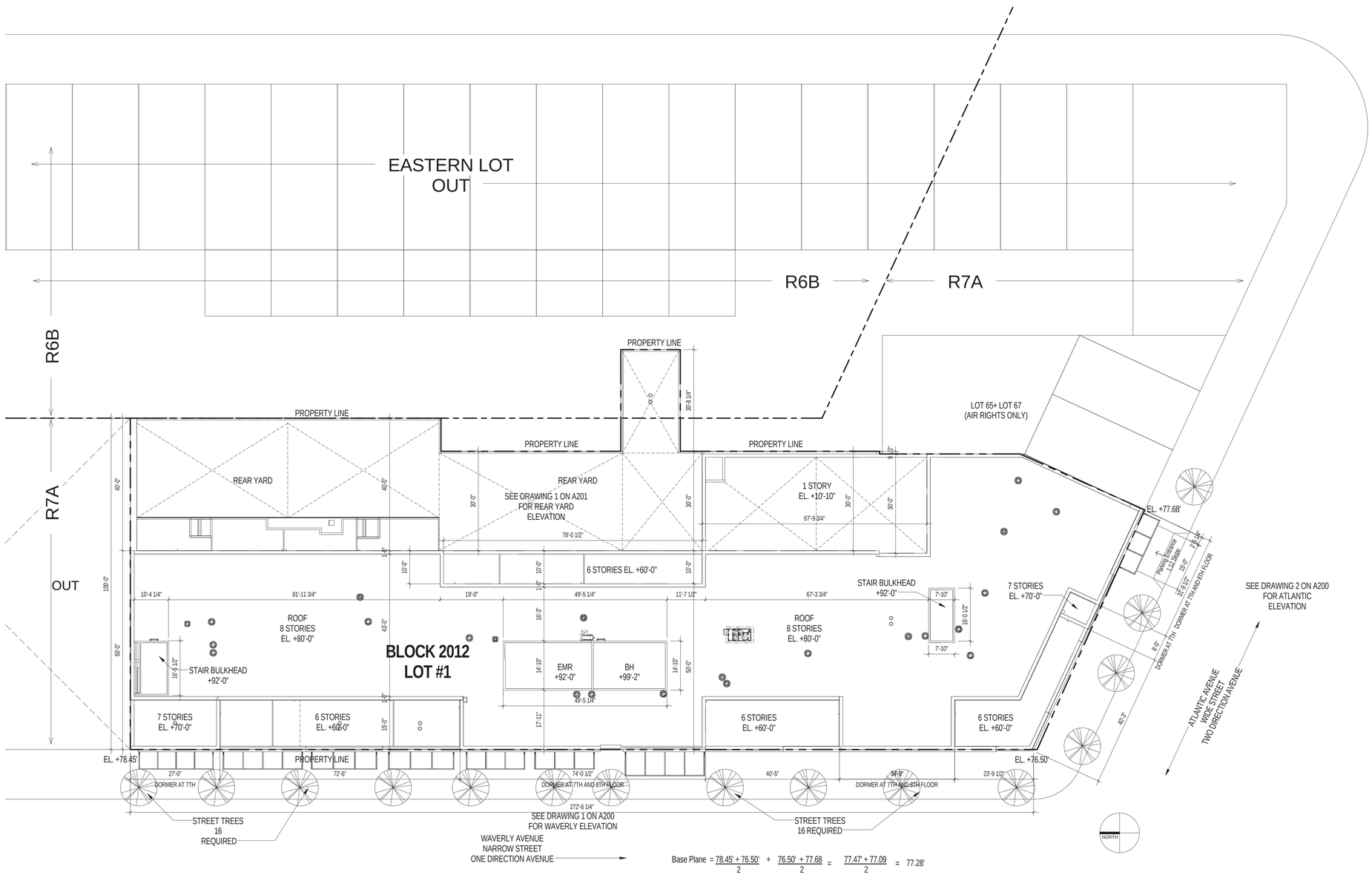
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
COMP CHECK

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	
DWG No:	A008.00



Base Plane = $\frac{78.45' + 76.50'}{2} + \frac{76.50' + 77.68}{2} = \frac{77.47' + 77.09}{2} = 77.28'$

1 Site
1/16" = 1'-0"

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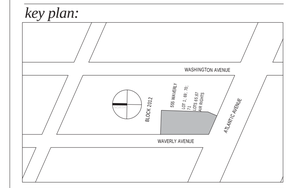

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

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SITE PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/16" = 1'-0"
DWG No:	A100.00

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GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

3. FOR STAIR AND CORE PLANS AND SECTIONS. (SEE DWGS. A-200)

4. FOR LIGHTING, SEE ELECTRICAL PLANS.

5. PROTECT ALL EXPOSED DUCTWORK & PIPES.

6. PROTECT ALL EXPOSED SPRINKLER HEADS.

7. ALL DIMENSIONS AT PARTITIONS ARE TO THE FACE OF PARTITIONS.

8. AT ELECTRICAL OR CATV RISER LOCATIONS FILL SLAB OPENINGS SOLID W/ CONCRETE AFTER CONDUITS ARE INSTALLED & SEAL AROUND CONDUITS W/ APPROVED SEALANT.

9. AT AREAS NOTED TO RECEIVE MEMBRANE WP TURN UP WP 8" AT ALL VERTICAL SURFACES.

10. AP INDICATES APARTMENT PANEL RECESSED IN 6" PARTITION.

11. ROOF BALLAST TO BE RIVERBED GRAVEL.

12. HARDWIRED COMBO SMOKE/CARBON MONOXIDE DETECTOR AS PER LL 71

13. PER BC F101, PROPOSED BUILDING WILL COMPLY WITH RODENT-PROOFING REQUIREMENTS.

14. STAIRWAY DOOR OPERATION AND STAIRWAY COMMUNICATIONS SYSTEM WILL COMPLY PER BC 403.12.

15. DOORS WILL NOT BE LOCKED PER BC 403.12. RE-ENTRY WILL BE PROVIDED.

16. EXIT STAIR ENCLOSURES SHALL BE CONSTRUCTED OF IMPACT-RESISTANT WALLS.

17. FOR DETAIL KITCHENS (SEE DWG. A400 - A411)

18. FOR DETAIL BATHROOMS (SEE DWG. A500 - A505)

19.1301.1.1 CRITERIA. BUILDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE 2011 NEW YORK CITY ENERGY CONSERVATION CODE.

20.BUILDING WILL HAVE A 24 HR CONCIERGE THAT WILL MEET BC. 1008.4.4 FOR INTERCOMMUNICATION SYSTEMS. CONCIERGE WILL HAVE AT FRONT DESK AN INTERCOMMUNICATION SYSTEM TO CONTACT BUILDING TENANTS.

21. STAIR EXIT DOORS SHALL HAVE TACTIVE & TACTILE FINGERSPELLING INDICATIVE "EXIT" ADJACENT TO EACH DOOR IN COMPLIANCE WITH ANSI ICC A117.1.

CM AND/OR CONTRACTOR TO
PROVIDE THE FOLLOWING:

22. ACCESS PANELS FOR P.R.V. VALVES IN PIPE CHASES. (SEE MECH. DWGS.)

23. SPRINKLER HEADS IN REFUGE CHUTE AT EVERY SECOND FLOOR. (SEE FIRE PROTECTION DWGS.)

24. GWB HUNG CEILINGS AT ALL PLUMBING & MECHANICAL OFFSETS.

25. LATACRETE MEMBRANE WP AT ALL BATHROOMS & POWDER ROOMS AT OFFSET FLOORS.

26. LOOSE LINTELS AT ALL REGISTERS AND LOUVERS OVER 18" IN MASONRY WALLS.

27. TRASH CHUTE TO BE SUPPORTED WITH DOUBLE DEFLECTION NEOPRENE-IN-SHEAR VIBRATION ISOLATORS, COATED WITH A DAMPING COMPOUND, AND WRAPPED WITH A FIBERGLASS AND SHEET LEAD.

28. HOPPER DOOR: SS STEEL CLAD, BOTTOM HINGED, FULLY PNEUMATIC, BUTTON OPERATED, ADA COMPLIANT, U.L. APPROVED 90 MIN., B-LABEL INTAKE DOOR W/ 250 DEG. MAXIMUM TEMPERATURE RISE IN 30. MIN. NYCBSA # 110-58-SM

29. TRASH COMPACTOR TO BE PLACED ON NEOPRENE MOUNTS, EQUAL TO MANSON INDUSTRIES TYPE 'BR' MOUNTS OR SIMILAR MOUNT, SIZED FOR 0.20" STATIC DEFLECTION UNDER THE WEIGHT OF THE MACHINE.

30. PROVIDE EXIT MARKINGS AS REQUIRED BY
LOCAL LAW 26 0F 2004

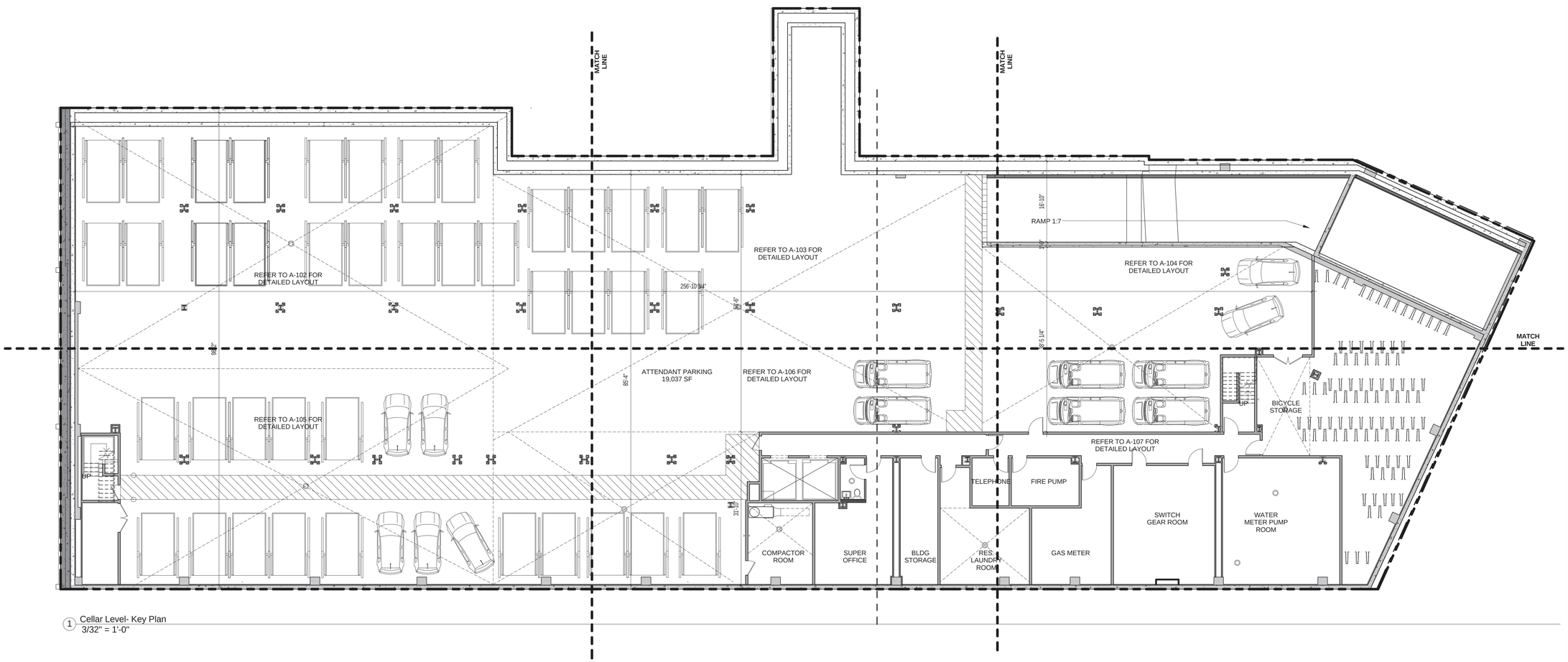
31. ENVIRONMENTAL CONTROLS SUCH AS THERMOSTATS AND OTHER HEATING, AIR CONDITIONING, AND VENTILATION MECHANISMS ARE TO BE POSITIONED IN ACCESSIBLE LOCATIONS, AS MUST LIGHT SWITCHES AND ELECTRICAL OUTLETS FOR EACH ROOM.

32. ELECTRICAL OUTLETS INSTALLED HORIZONTALLY AND VERTICALLY, DUPLEX OUTLETS MUST HAVE BOTH RECEPTACLES WITHIN THE REACH RANGE OF 15" MIN. A.F.F. AND 48" MAXIMUM A.F.F.

33. ELECTRICAL OUTLETS ON WALLS OVER CABINETS MUST BE A MIN. OF 36" FROM A CORNER.

34. APPLIANCE CONTROLS ARE NOT REQUIRED TO BE IN ACCESSIBLE LOCATIONS.

35. TRASH COMPACTOR ROOM SOUND TRANSMISSION CLASS (STC 50) FOR: -ALL WALLS & CEILINGS.



1 Cellar Level- Key Plan
3/32" = 1'-0"

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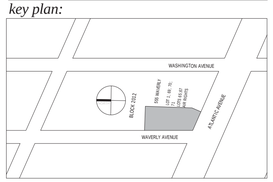

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR FLOOR KEY PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	3/32" = 1'-0"
DWG No:	

A101.00

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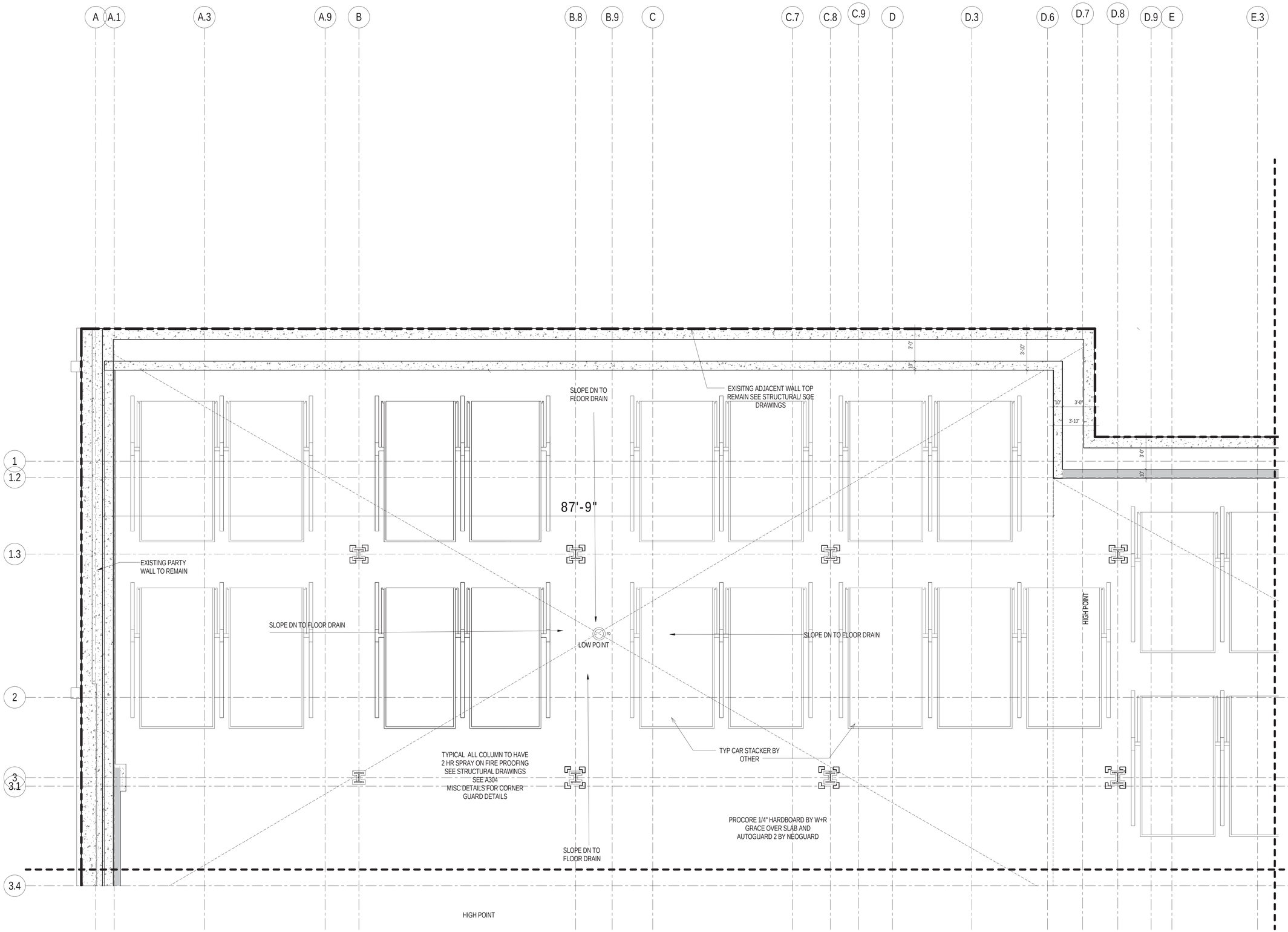

1 Cellar Level - NORTH
1/4" = 1'-0"

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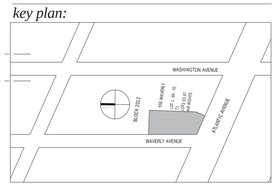

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

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DRAWING TITLE

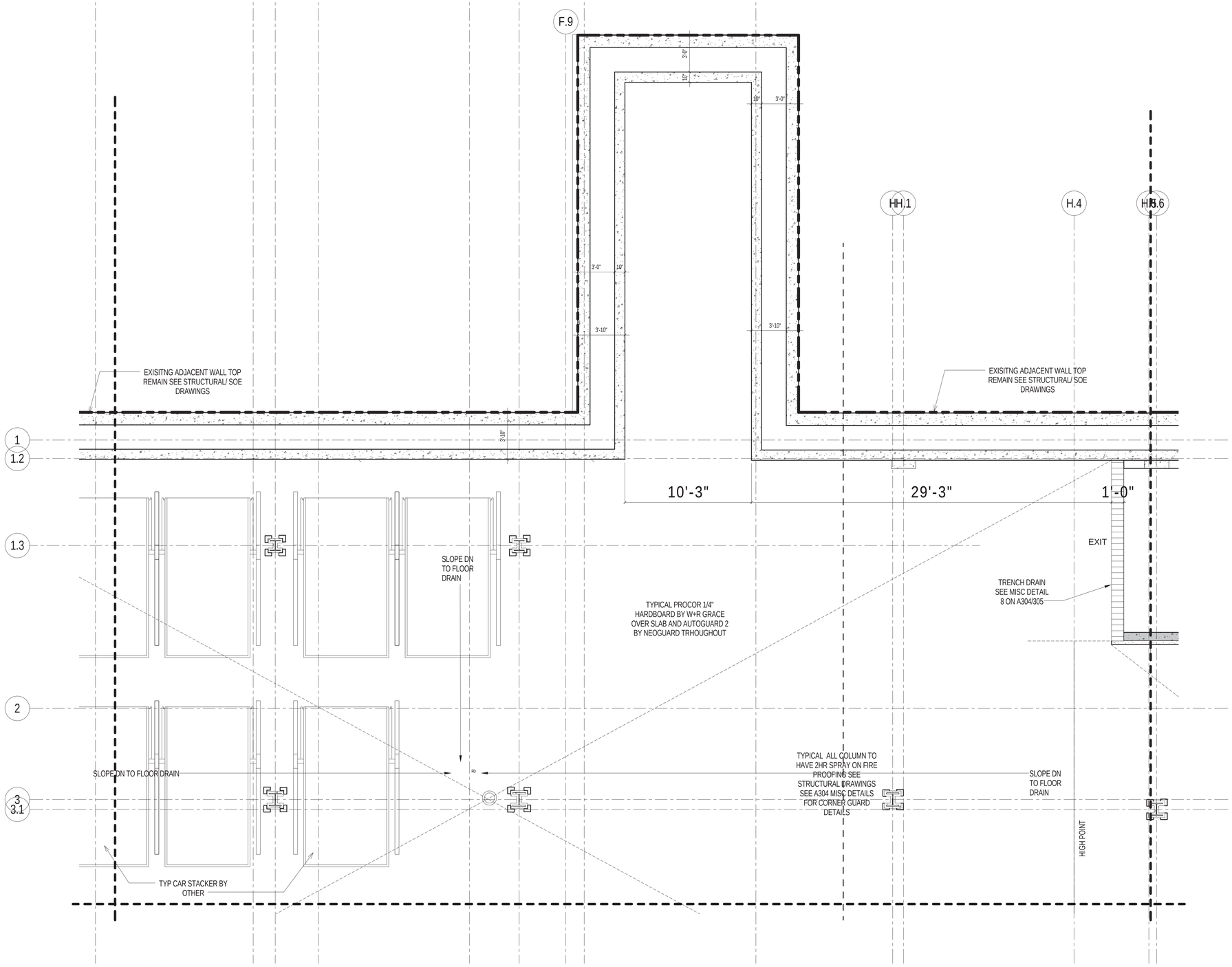
CELLAR PLAN NORTHEAST

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	12/17/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	

A102.00



1 Cellar Level - MIDDLE
1/4" = 1'-0"

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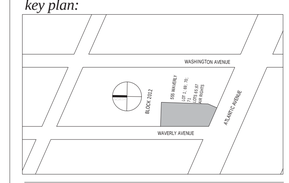

project:

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NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR PLAN MIDDLE EAST

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	12/17/14
PROJECT No:	14024
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SCALE:	1/4" = 1'-0"
DWG No:	

A103.00

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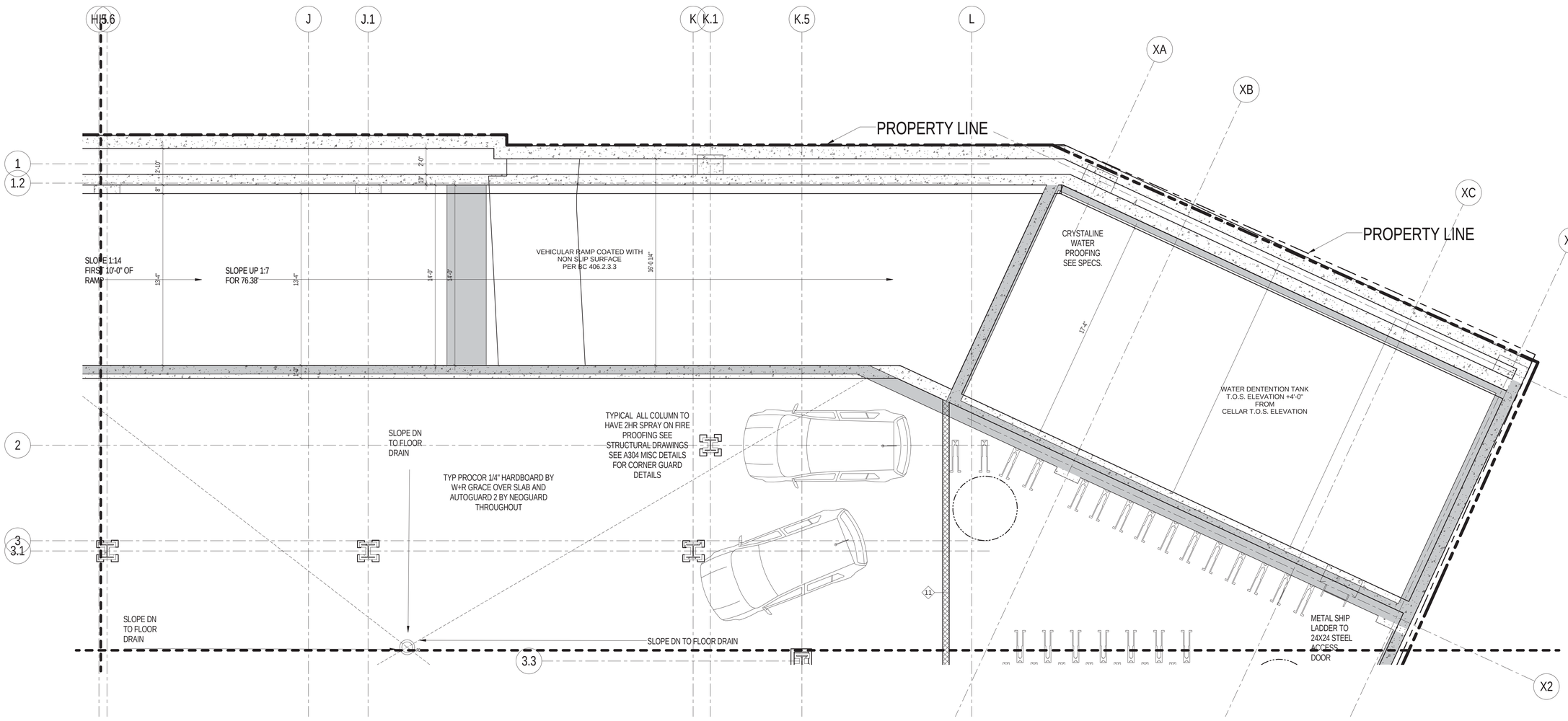

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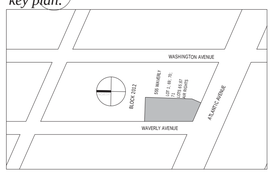

project:

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NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR PLAN SOUTH EAST

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR
025215
STATE OF NEW YORK

DATE:	12/17/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A104.00

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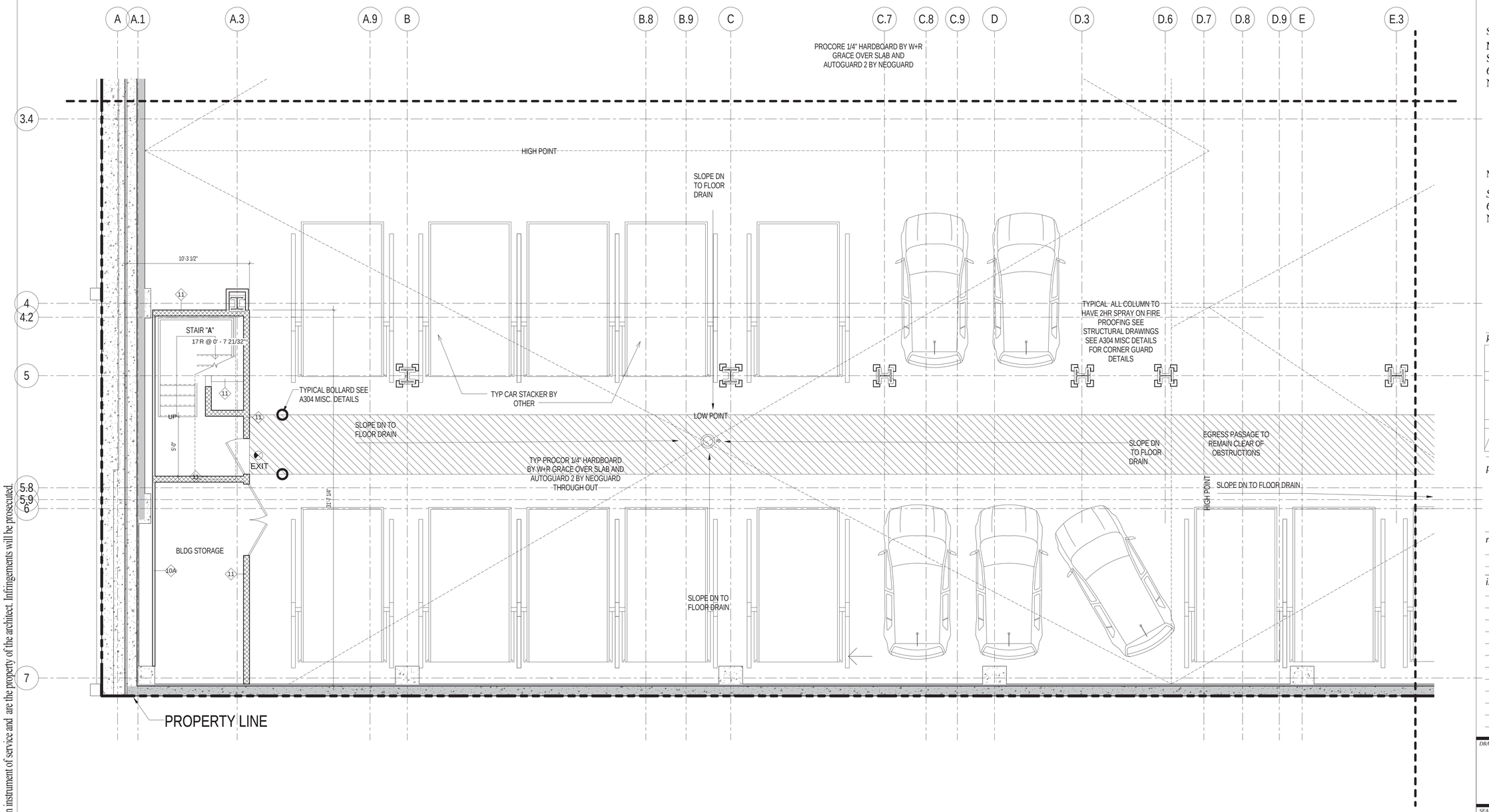

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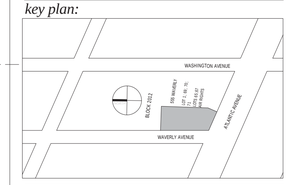
New York, NY 10036

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

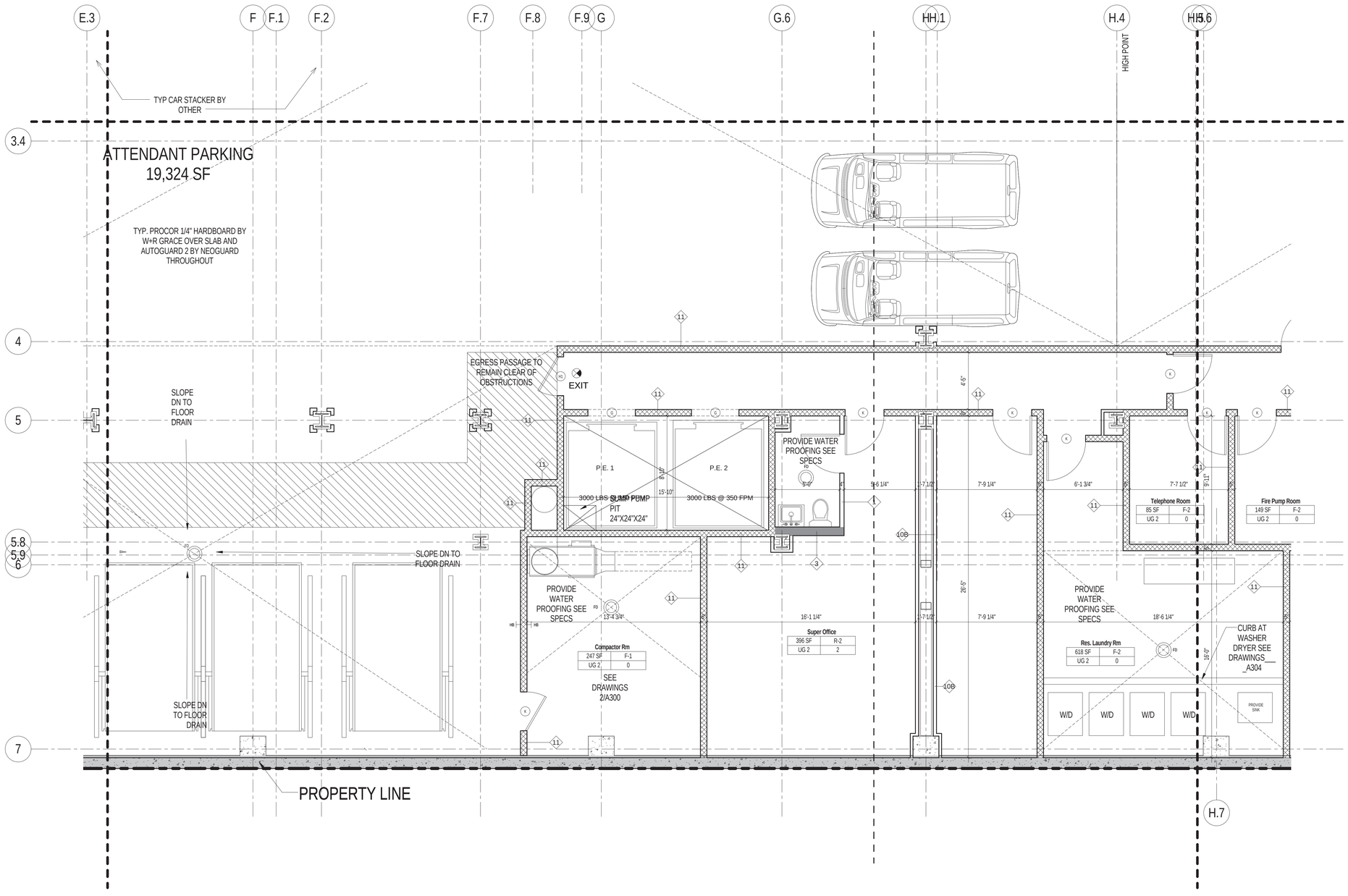
02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR PLAN NORTH WEST

SEAL & SIGNATURE

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A105.00



1 Cellar Level - MIDDLEWEST
1/4" = 1'-0"

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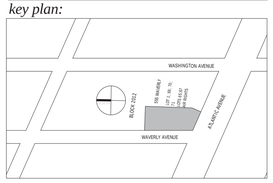


project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

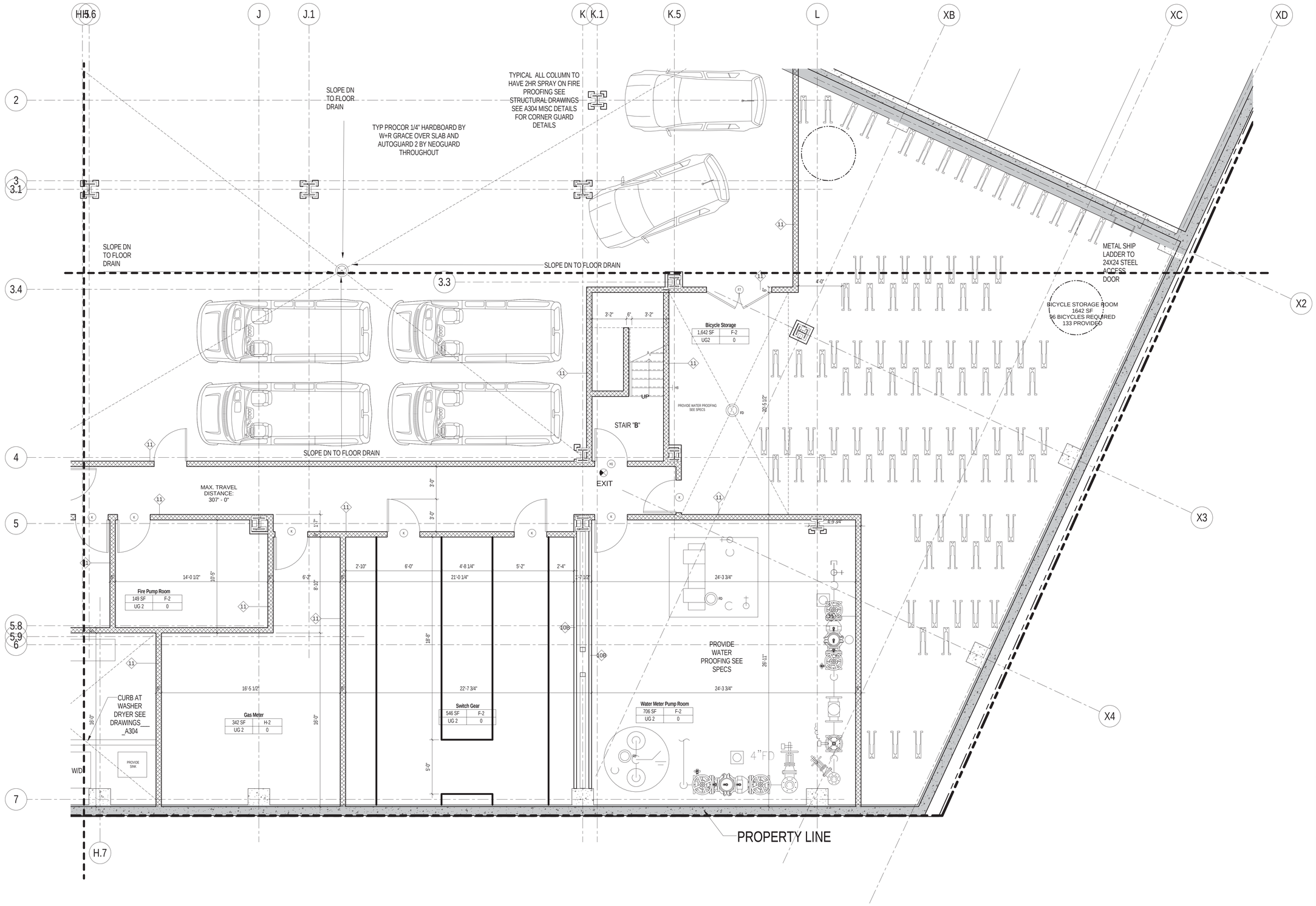
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
CELLAR PLAN MIDDLE WEST

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A106.00



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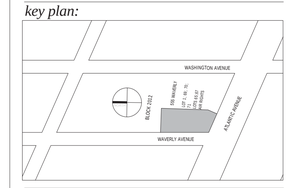

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR PLAN SOUTH WEST

SEAL & SIGNATURE

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	

A107.00

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GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

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LOCAL LAW 26 0F 2004

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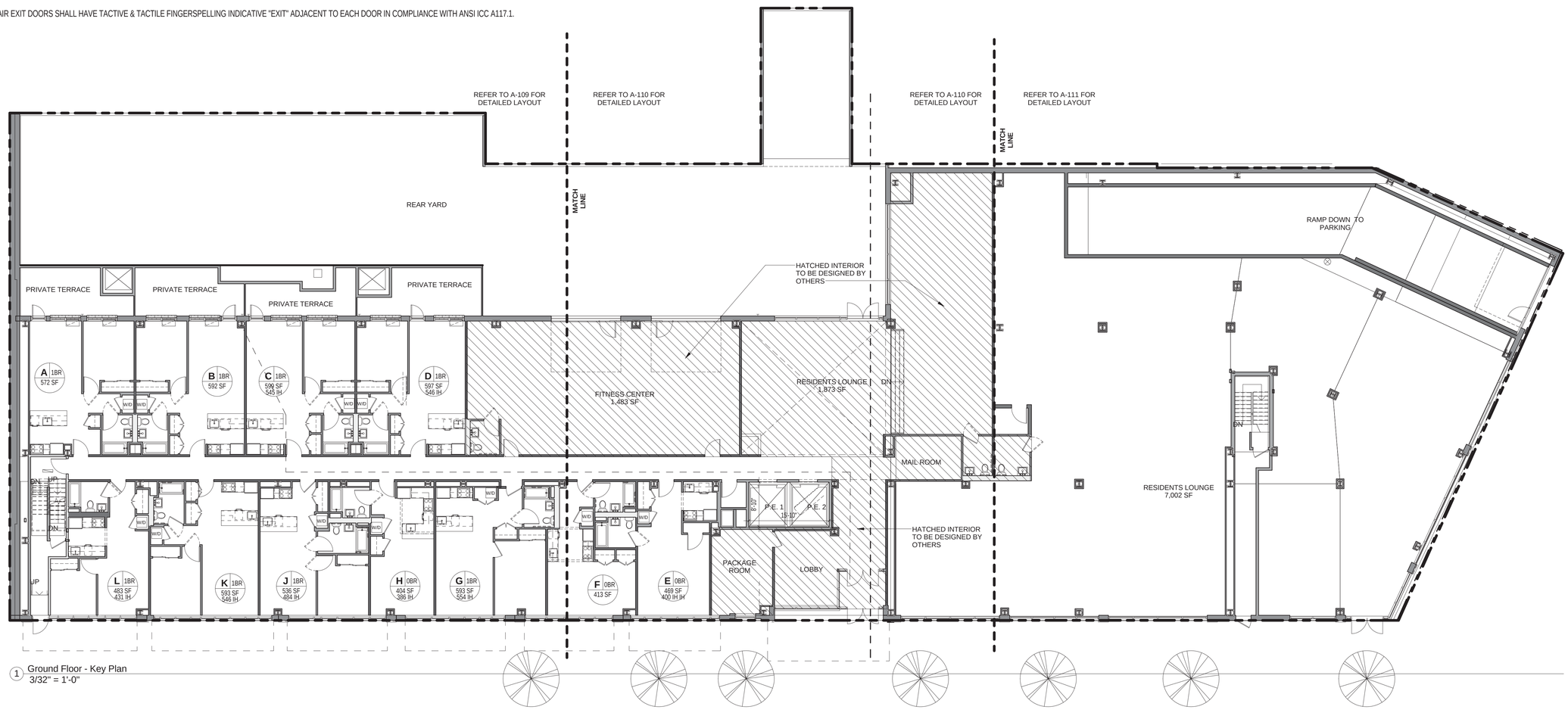

1 Ground Floor - Key Plan
3/32" = 1'-0"

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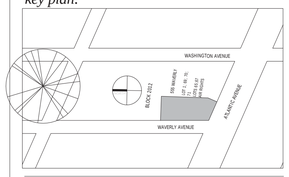
SJC ENGINEERING,PC

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

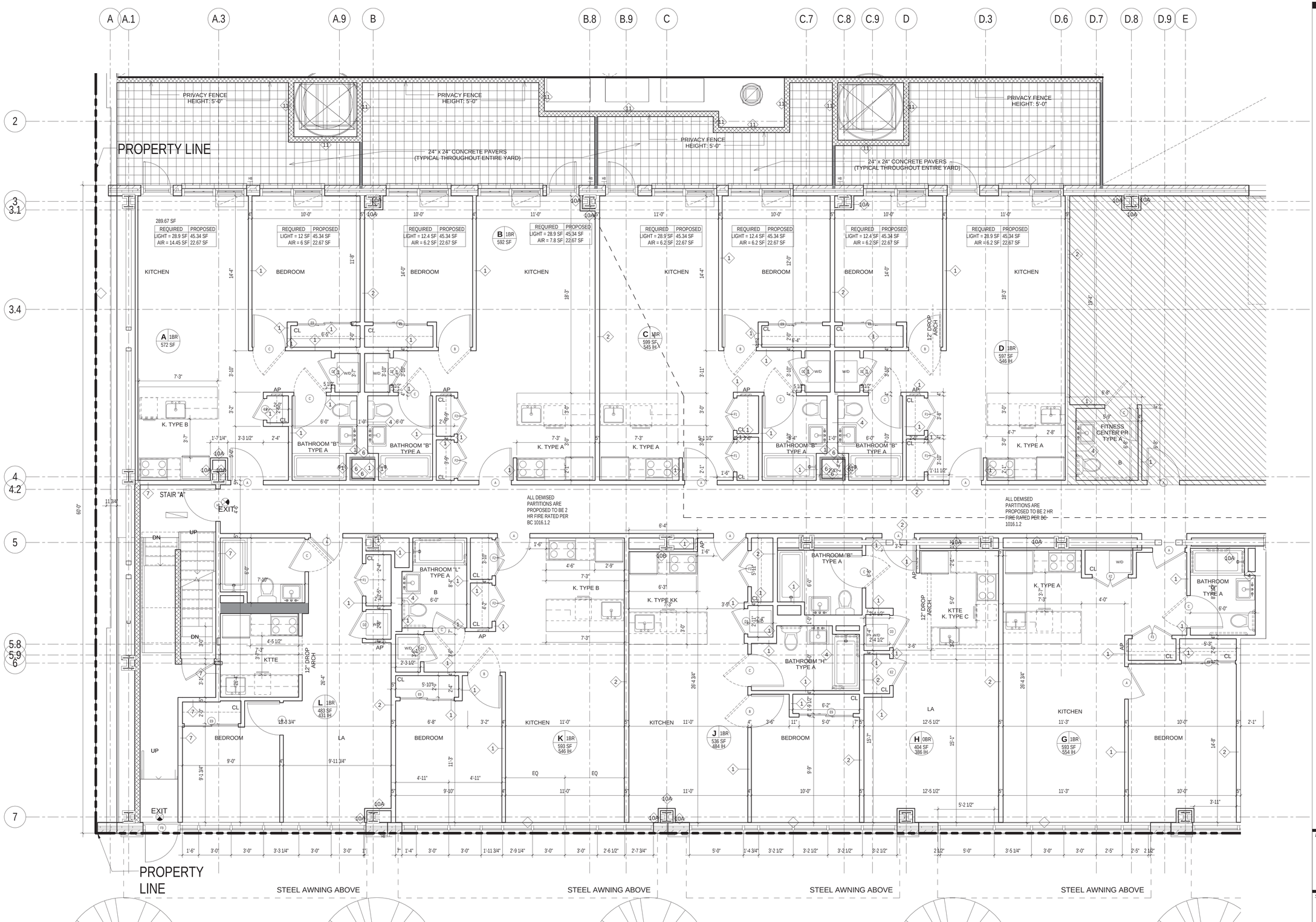
GROUND FLOOR KEY PLAN

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ar
CHECKED BY:	pm
SCALE:	3/32" = 1'-0"
DWG No:	

A108.00



1 Ground Floor - NORTH
1/4" = 1'-0"

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MEP Engineer:
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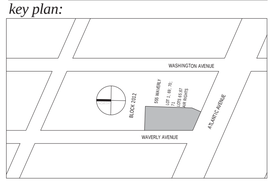
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

GROUND FLOOR PLAN NORTH

SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A109.00

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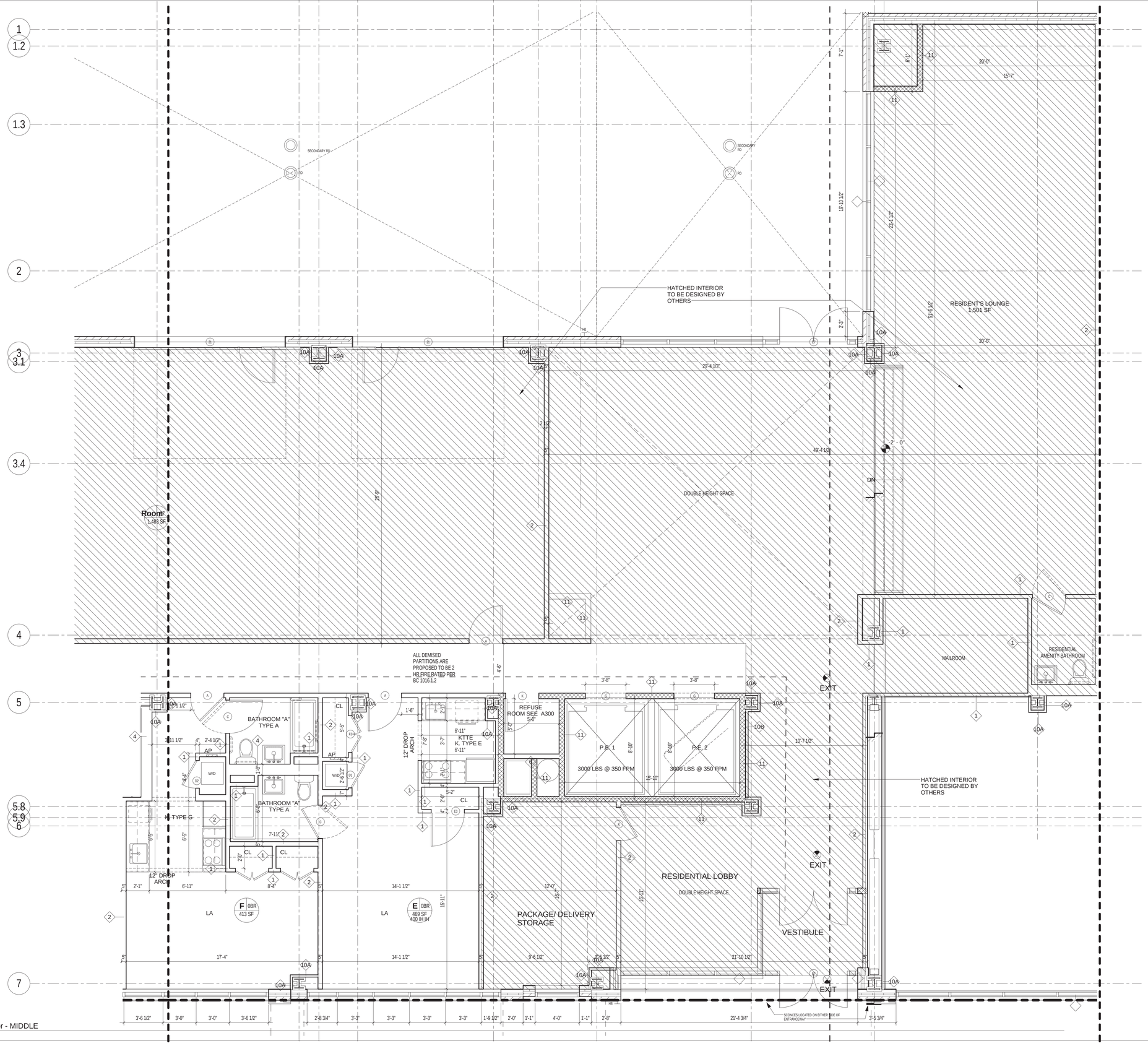

1 Ground Floor - MIDDLE
1/4" = 1'-0"

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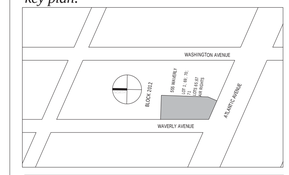
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

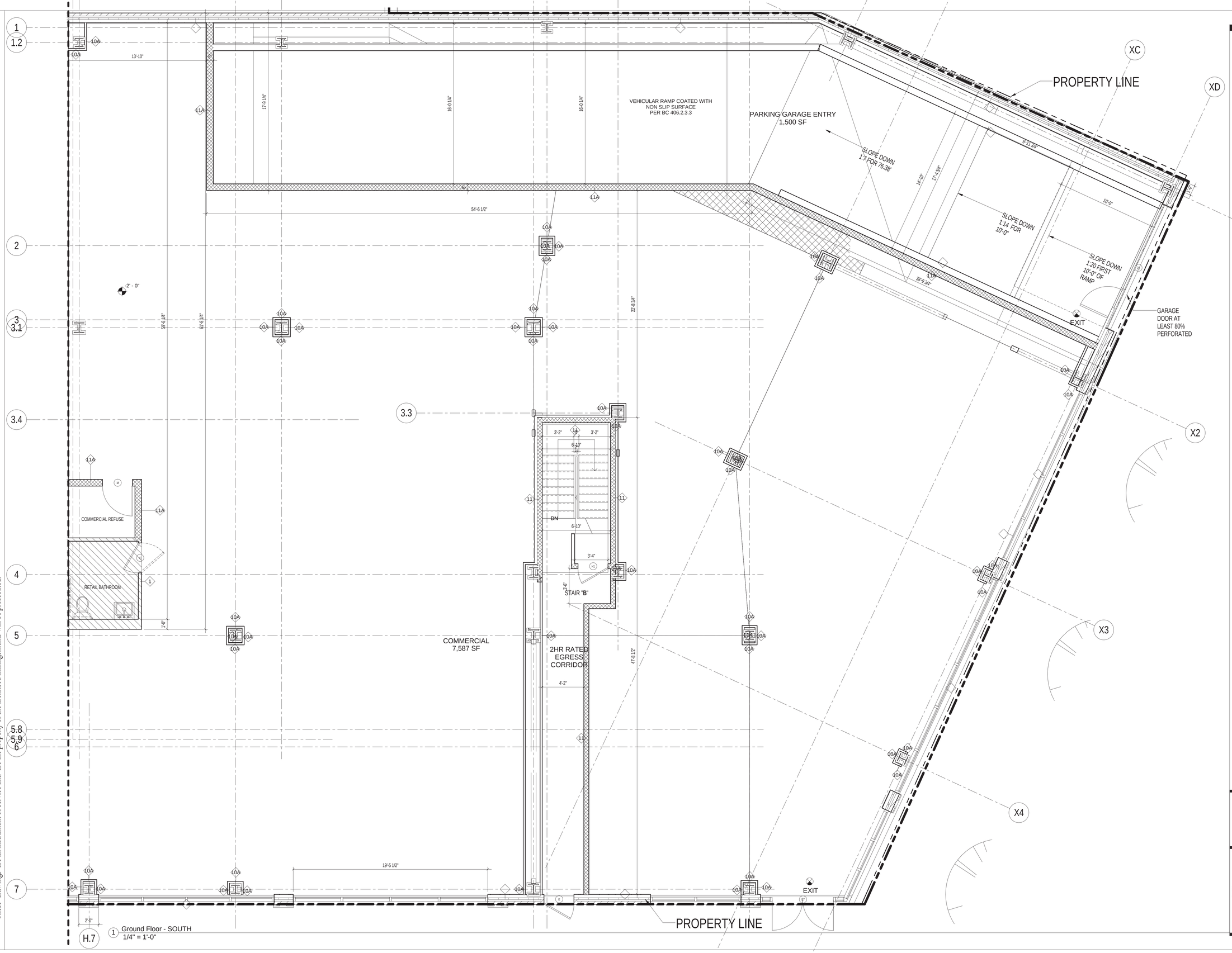
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
GROUND FLOOR PLAN MIDDLE

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'H... JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jom
SCALE:	1/4" = 1'-0"
DWG No:	A110.00



1 Ground Floor - SOUTH
1/4" = 1'-0"

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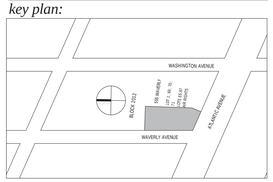
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

GROUND FLOOR PLAN SOUTH

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A111.00

GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

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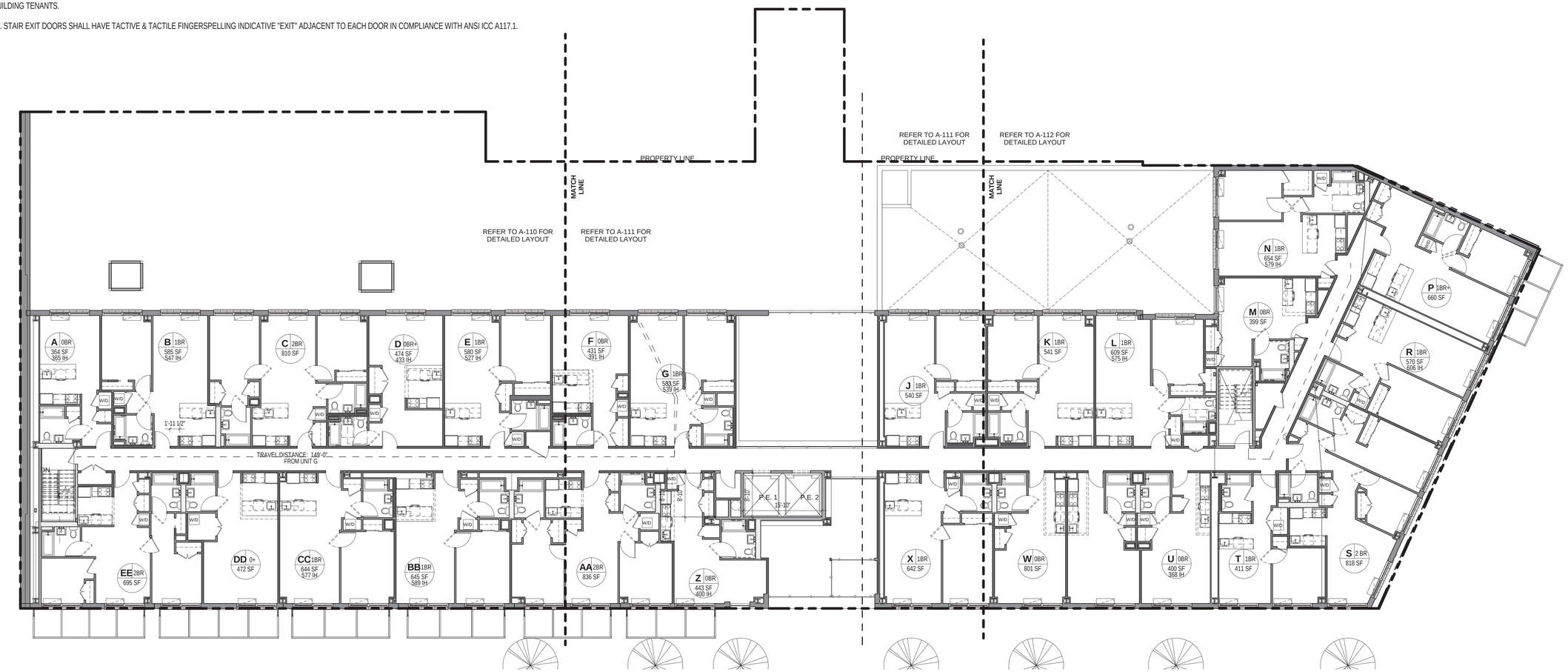

1 Second Floor- Key Plan
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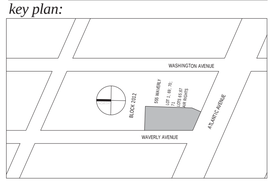

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SECOND FLOOR KEY PLAN

SEAL & SIGNATURE:

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	3/32" = 1'-0"
DWG No:	A112.00

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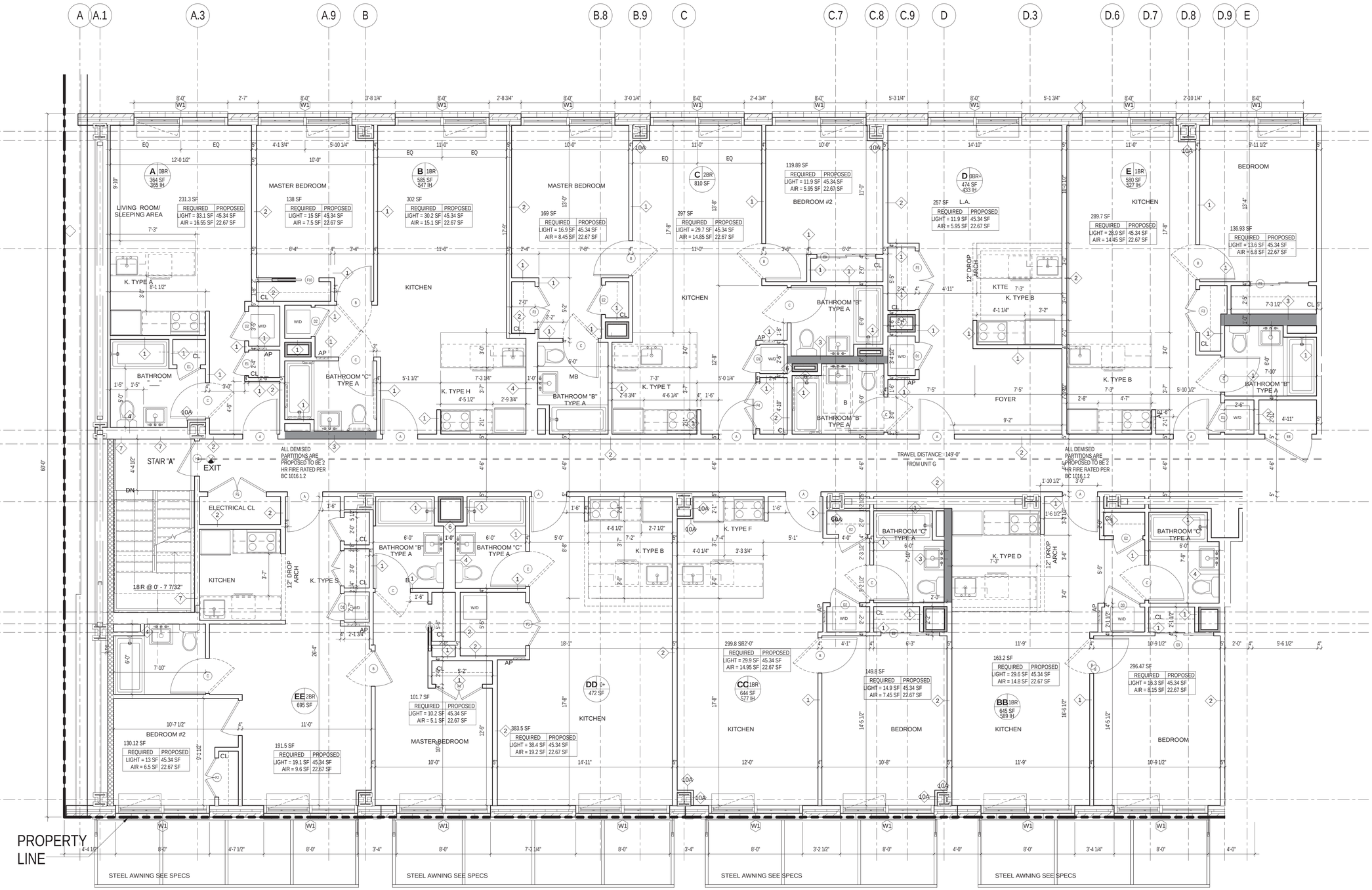

1 Level 2 - NORTH
1/4" = 1'-0"

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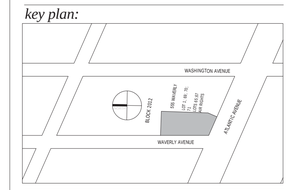


project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

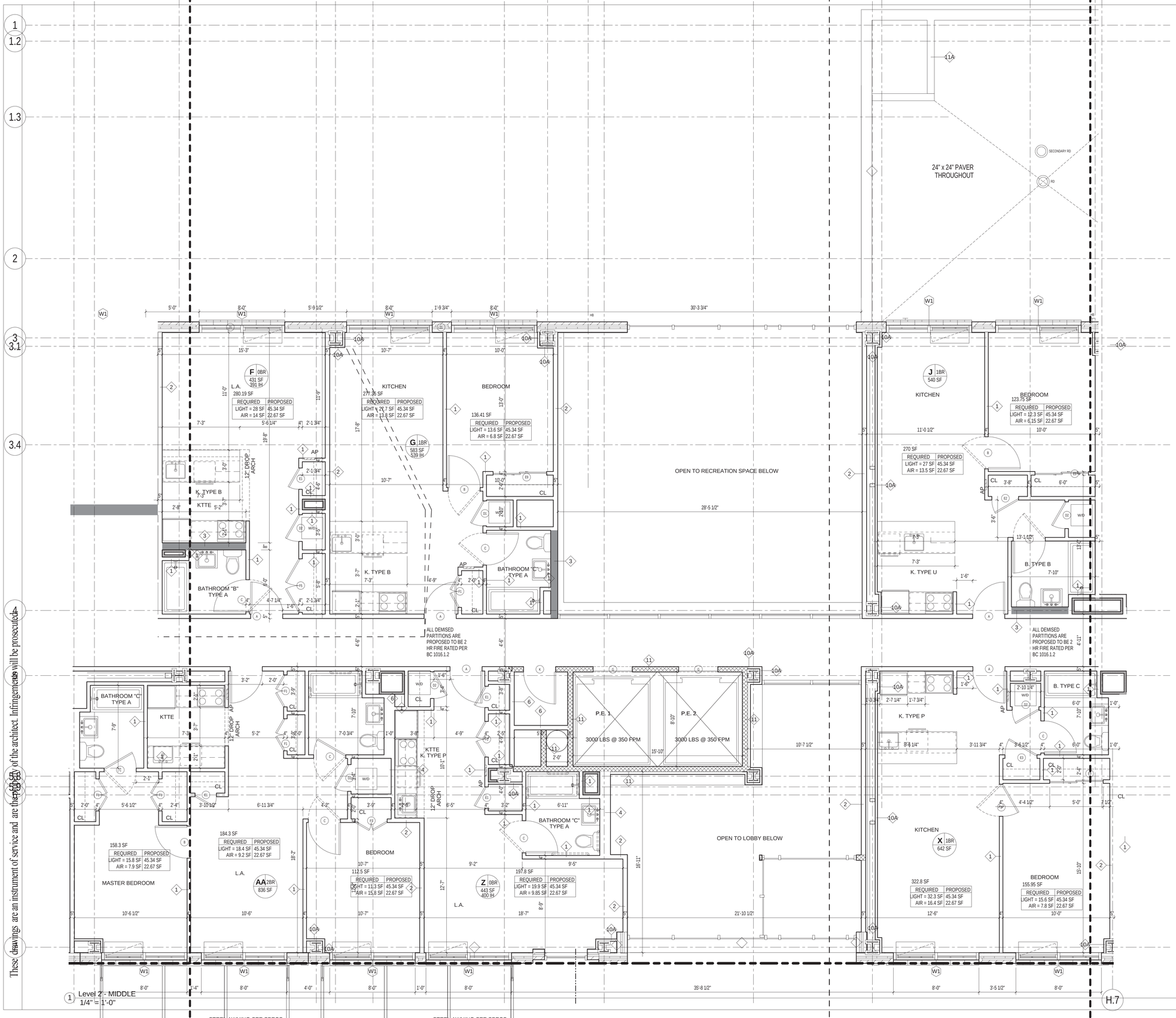
DRAWING TITLE

SECOND FLOOR NORTH

SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'HARE JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A113.00



1 Level 2 - MIDDLE
1/4" = 1'-0"

H.7

Executive Architect:

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212 695 3117
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MEP Engineer:

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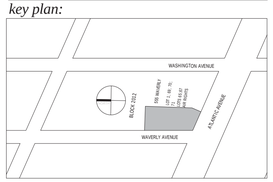
60 E 42nd Street (suite 956)
New York, NY 10165

SJC ENGINEERING,PC

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SECOND FLOOR MIDDLE

SEAL & SIGNATURE:

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A114.00

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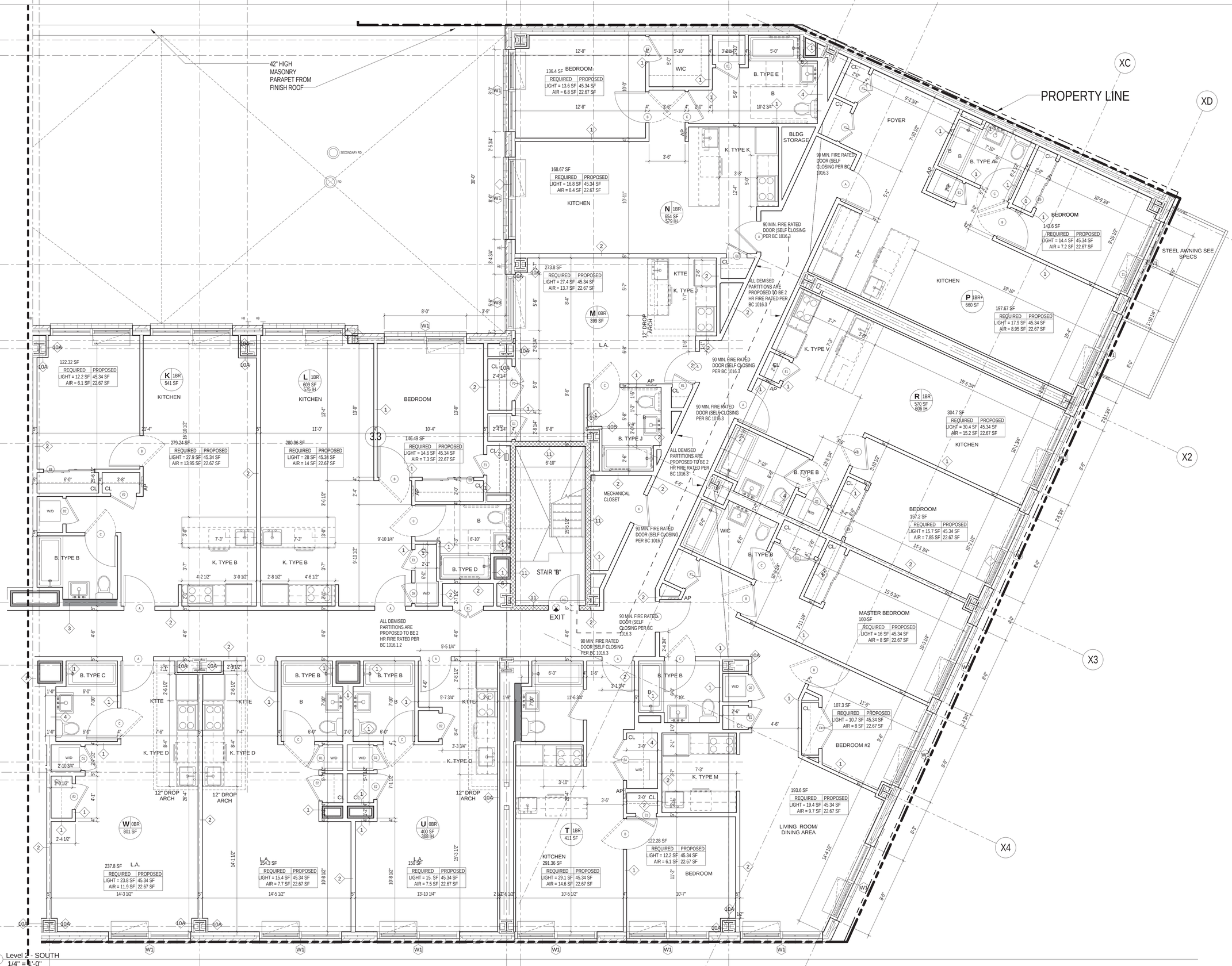

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1 Level 2 - SOUTH
1/4" = 1'-0"

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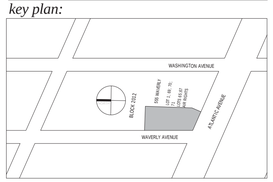

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SECOND FLOOR SOUTH

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'H
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jom
SCALE:	1/4" = 1'-0"
DWG No:	

A115.00

GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

3. FOR STAIR AND CORE PLANS AND SECTIONS. (SEE DWGS. A-200)

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CM AND/OR CONTRACTOR TO
PROVIDE THE FOLLOWING:

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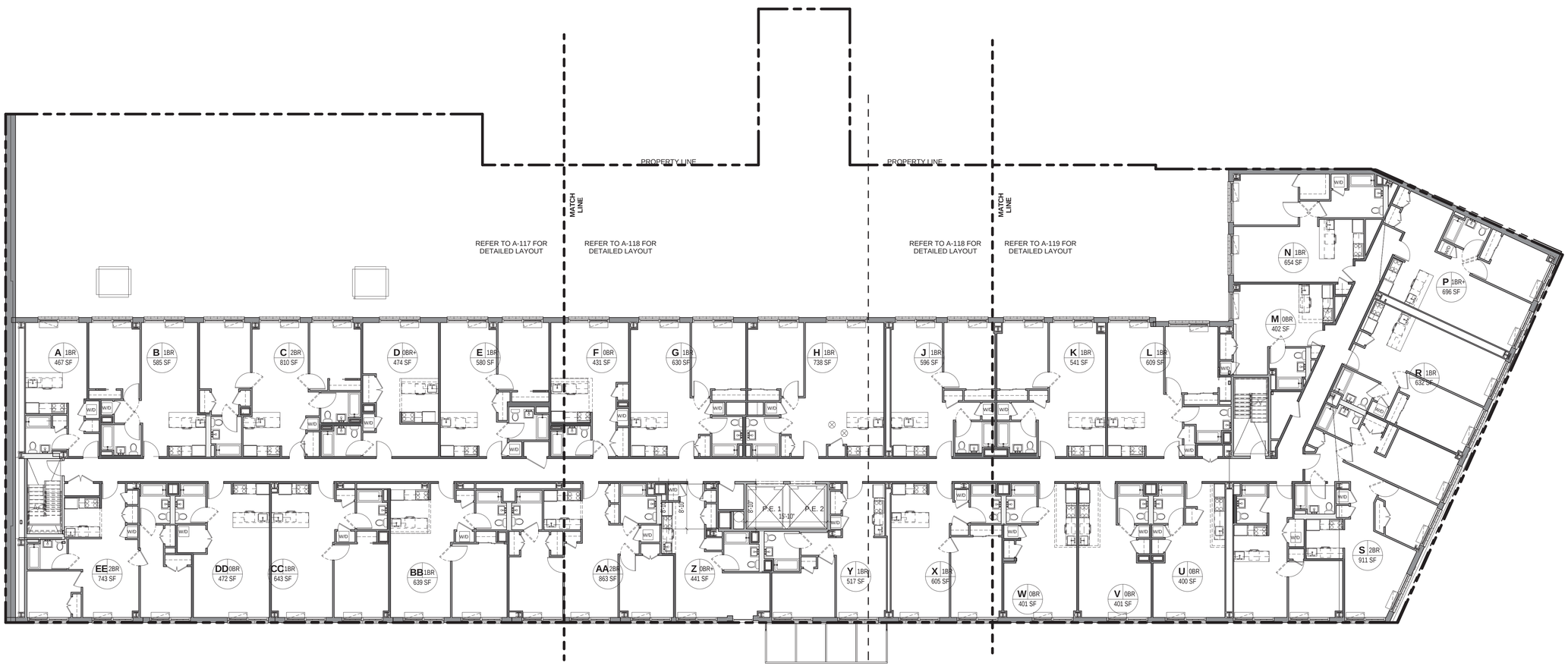

1 Third- Key Plan
3/32" = 1'-0"

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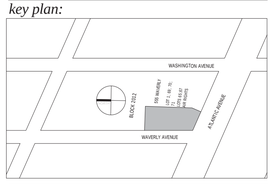
SJC ENGINEERING,PC

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

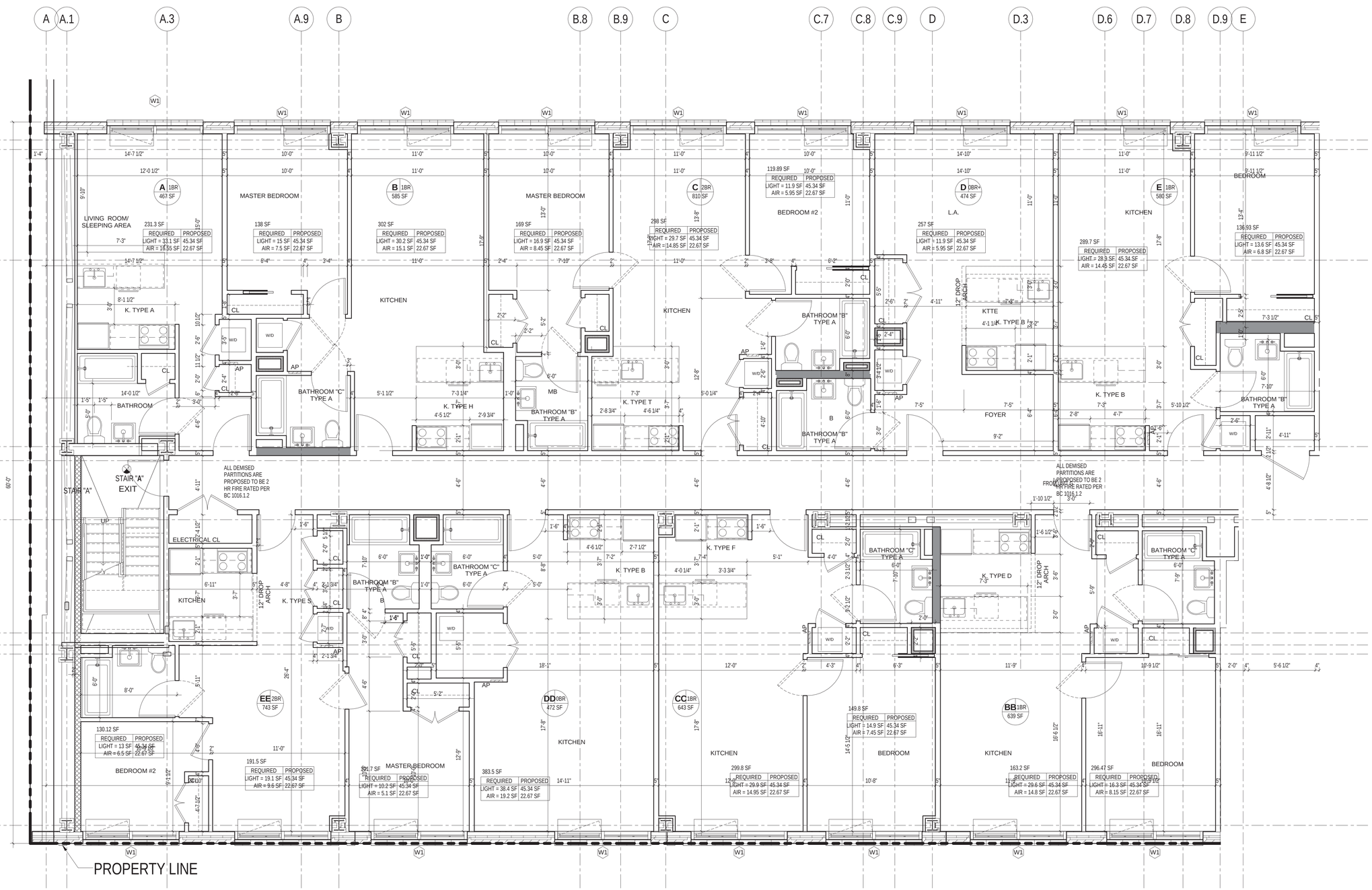
DRAWING TITLE

THIRD FLOOR KEYPLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	3/32" = 1'-0"
DWG No:	A116.00



1 Level 3 - NORTH
1/4" = 1'-0"

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MEP Engineer:
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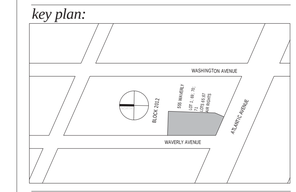
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR NORTH

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A117.00

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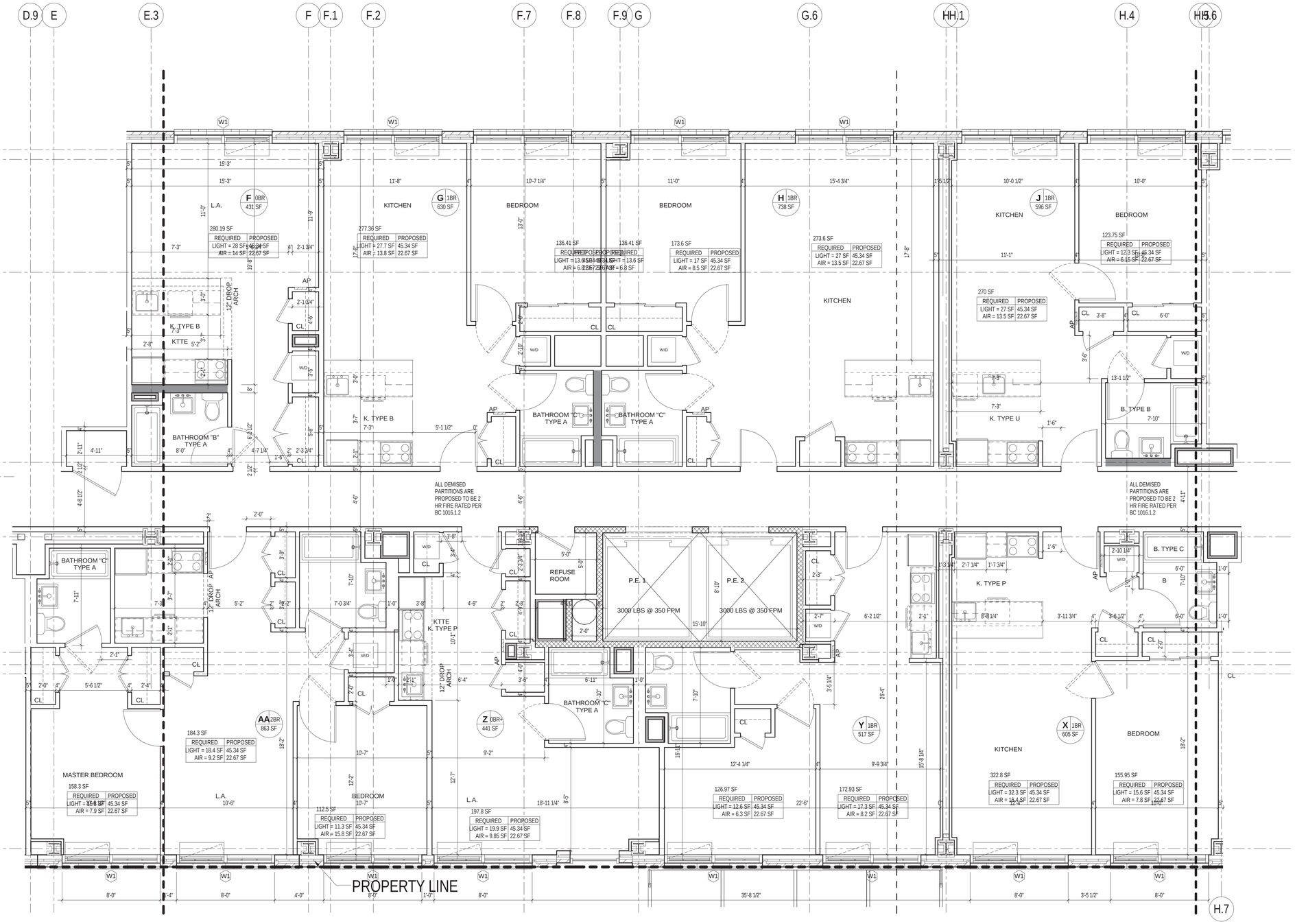

1 Level 3 - MIDDLE
1/4" = 1'-0"

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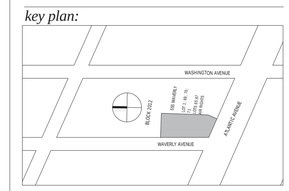
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR MIDDLE

SEAL & SIGNATURE

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	

A118.00

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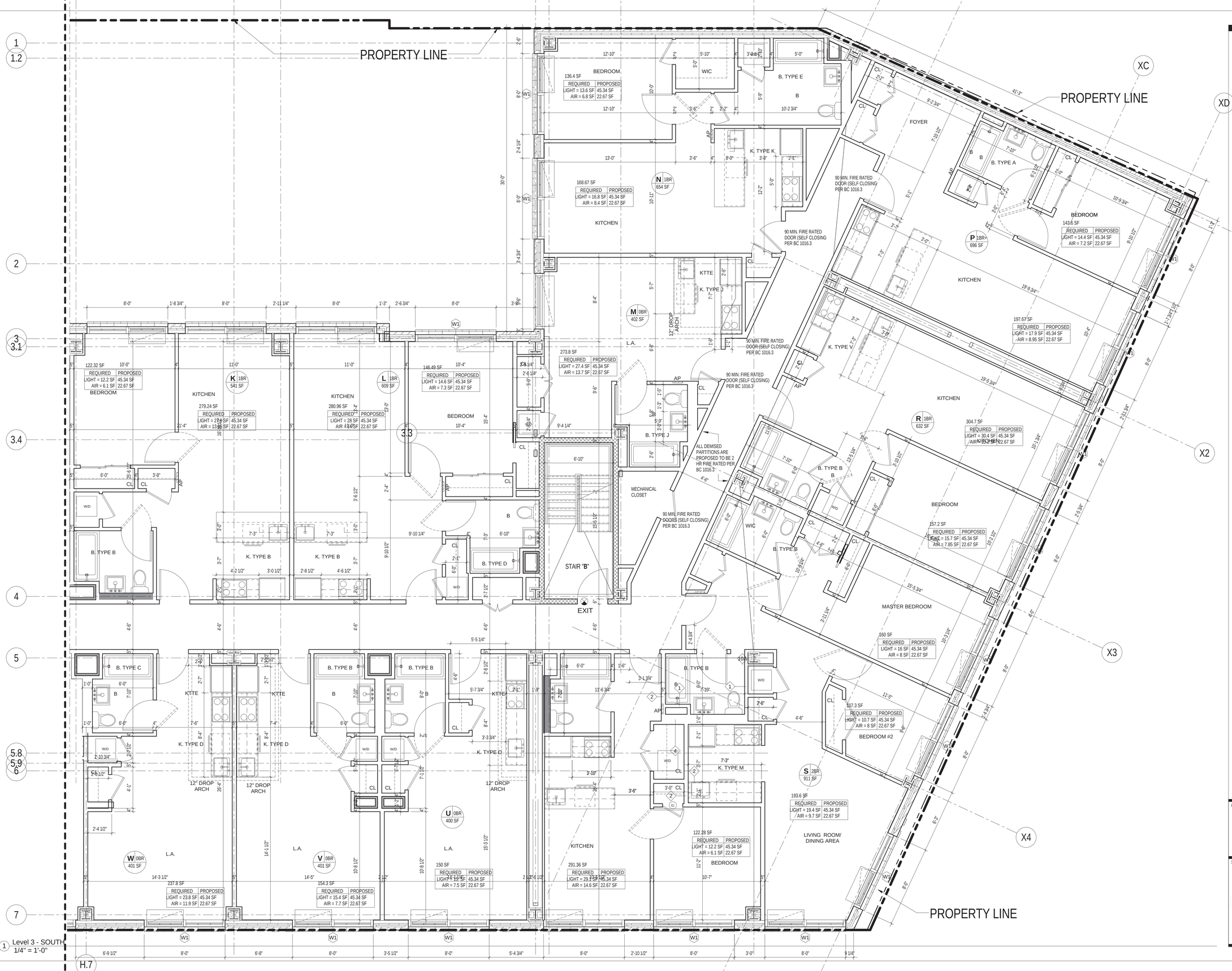

1 Level 3 - SOUTH
1/4" = 1'-0"

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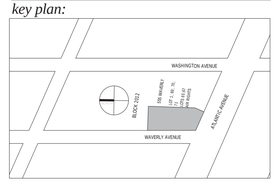
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR SOUTH

SEAL & SIGNATURE
REGISTERED ARCHITECT
HERMAN THOMAS OTTO JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A119.00

GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

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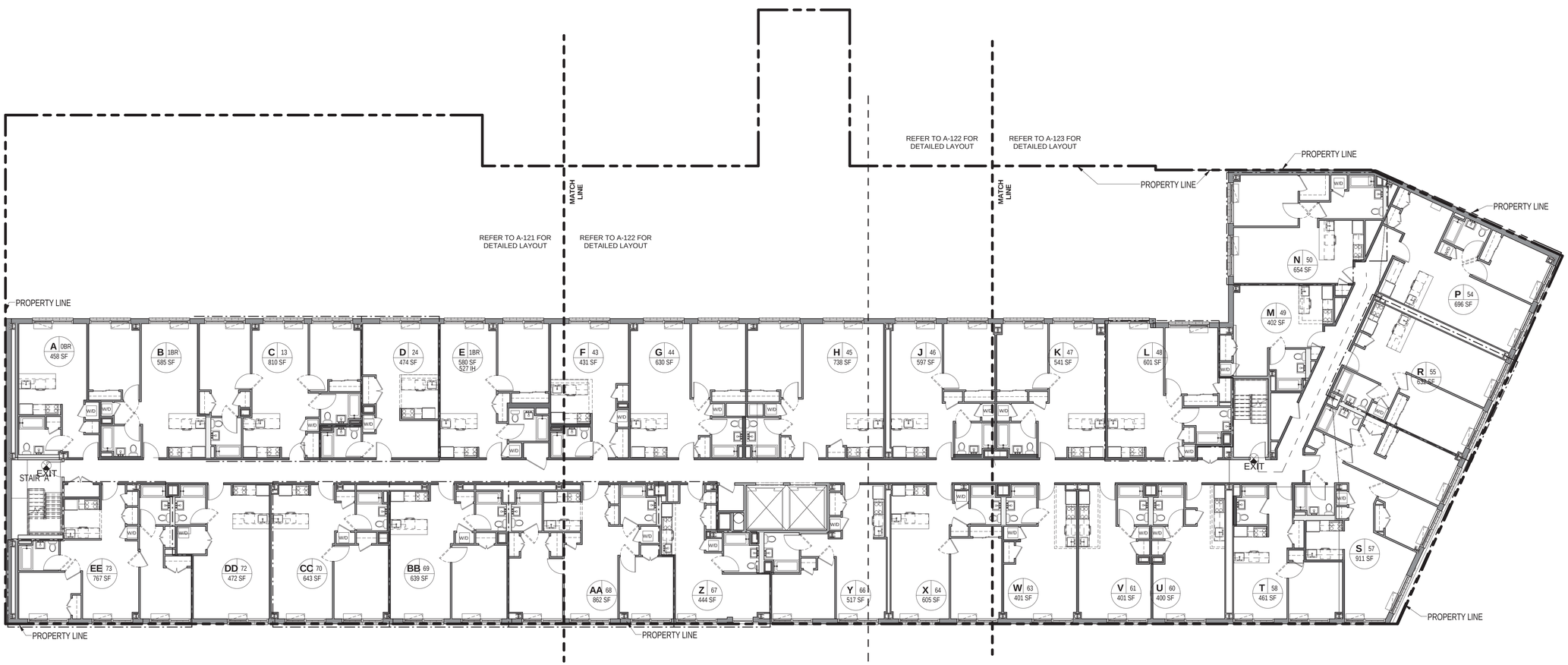

1 Typical Floor - Key Plan
3/32" = 1'-0"

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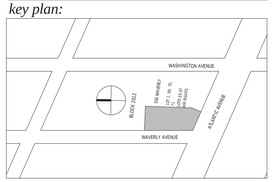


project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

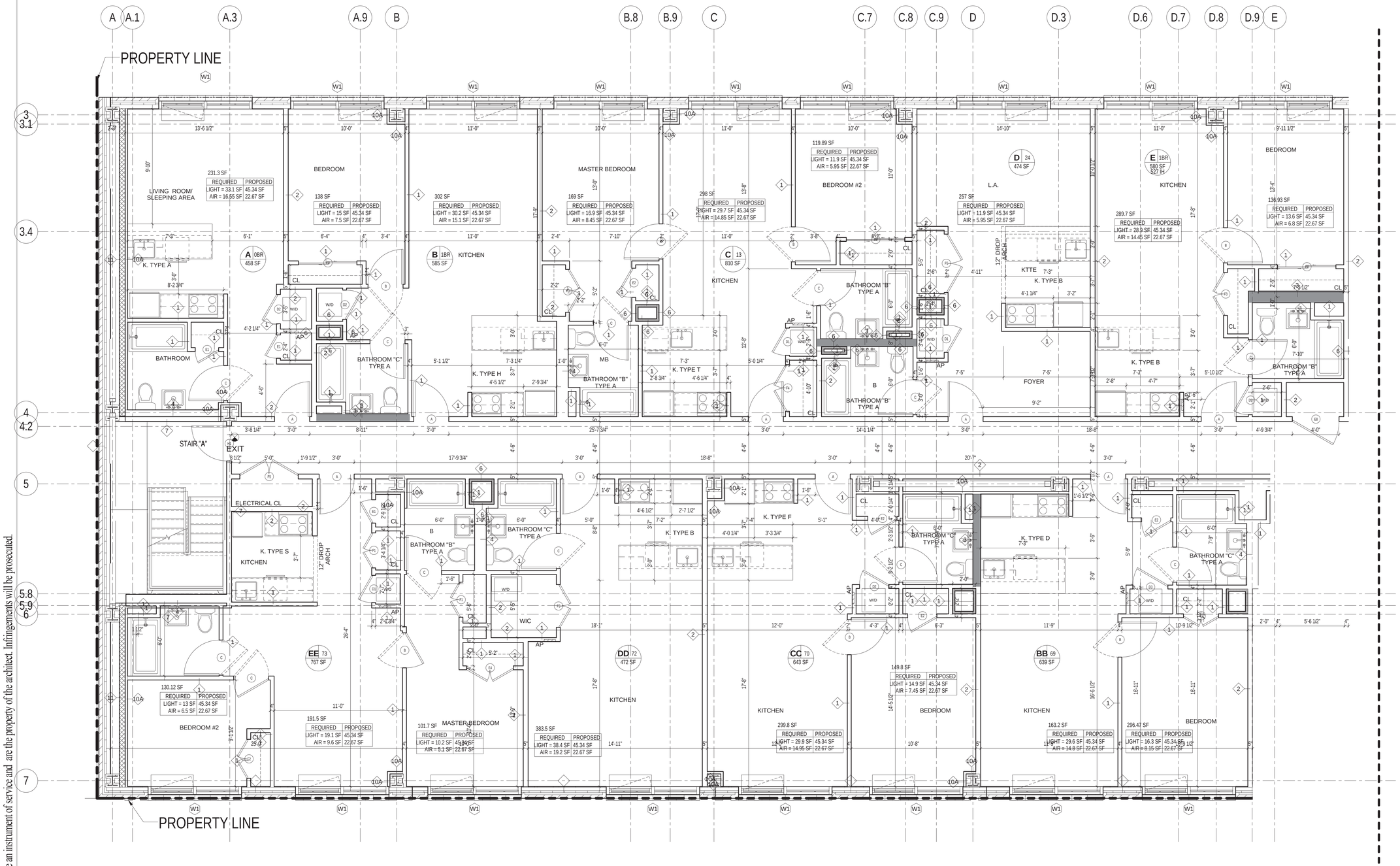
DRAWING TITLE

TYPICAL FLOOR KEYPLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	3/32" = 1'-0"
DWG No:	A120.00



1 Level 4 - NORTH
1/4" = 1'-0"

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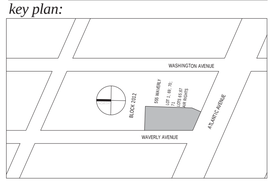
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

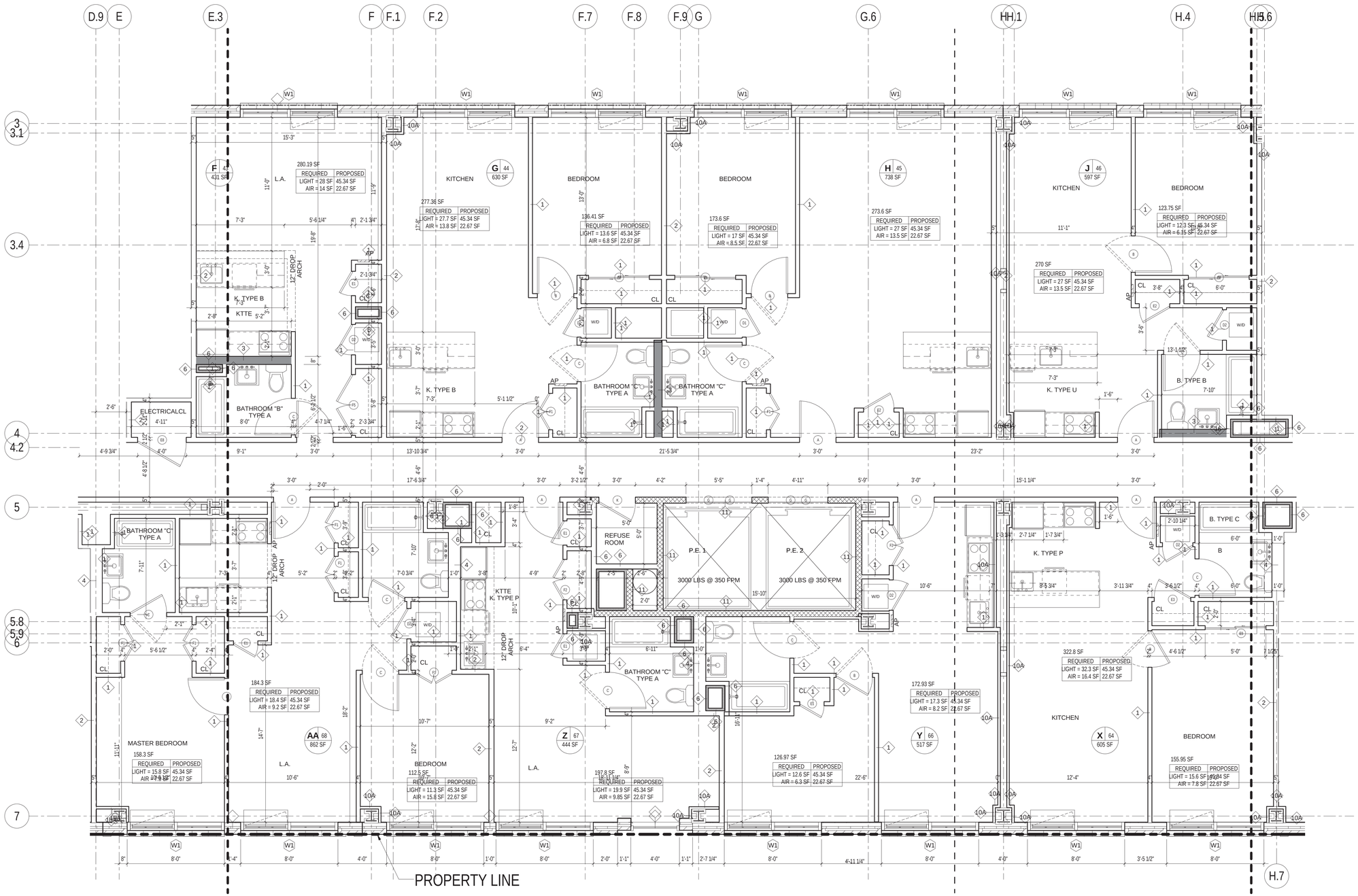
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
TYPICAL FLOOR NORTH

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A121.00



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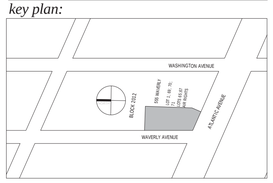
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
TYPICAL FLOOR MIDDLE

SEAL & SIGNATURE
REGISTERED ARCHITECT HERMT THOMAS O'HAGAN JR. 025215 STATE OF NEW YORK

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A122.00

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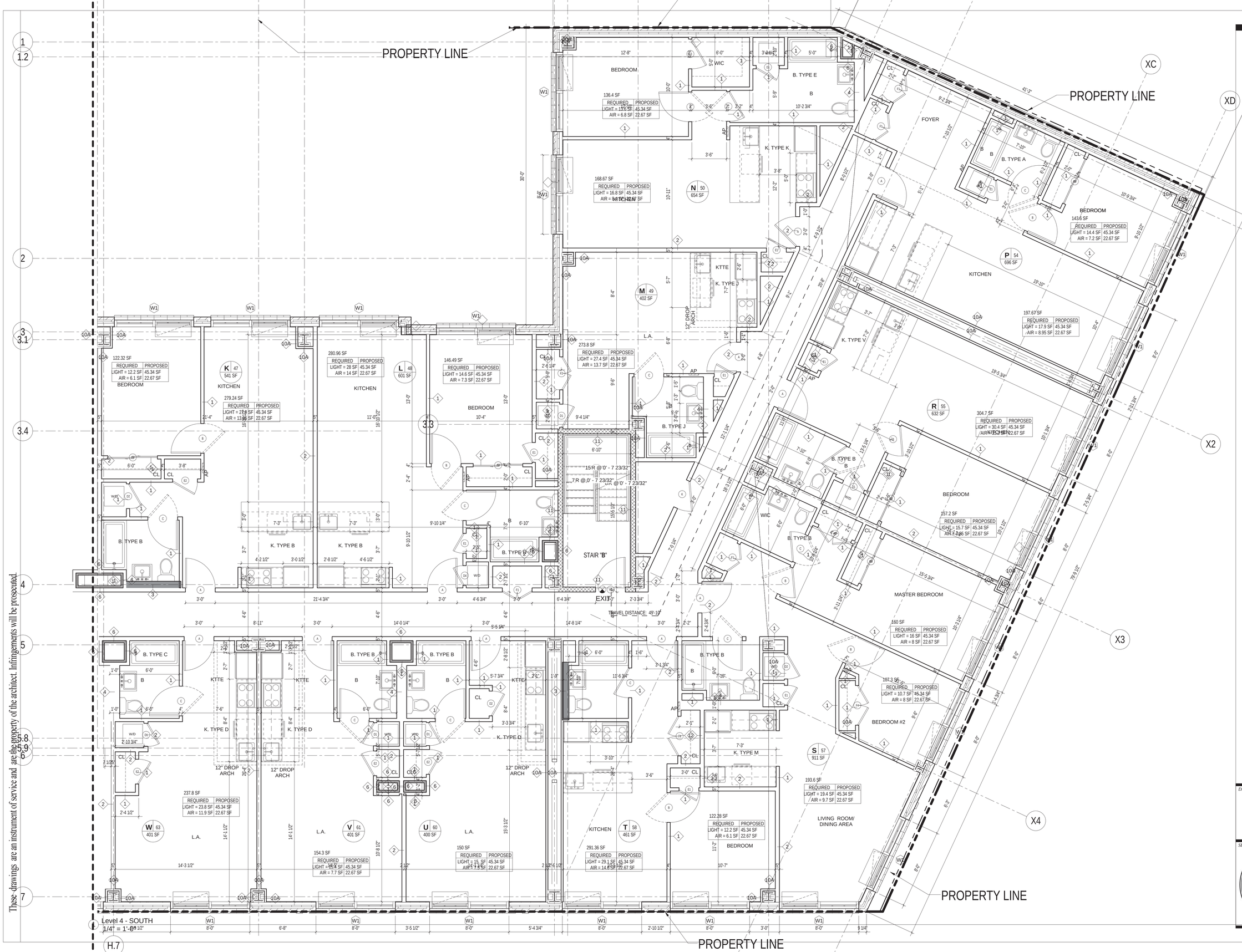

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MEP Engineer:
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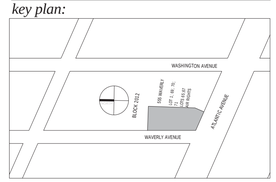
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

TYPICAL FLOOR SOUTH

SEAL & SIGNATURE:

DATE:	01/20/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A123.00

GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

3. FOR STAIR AND CORE PLANS AND SECTIONS. (SEE DWGS. A-200)

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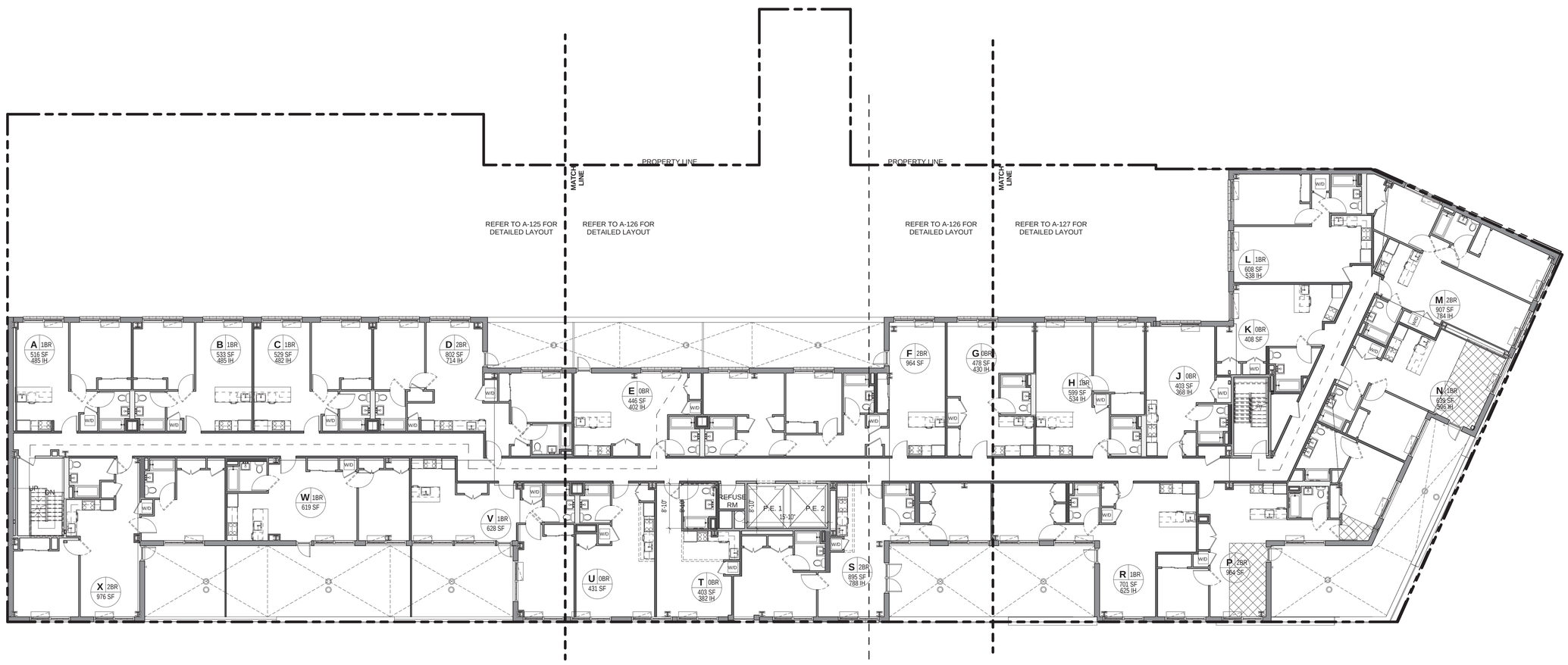

1 Seventh Floor- Key Plan
3/32" = 1'-0"

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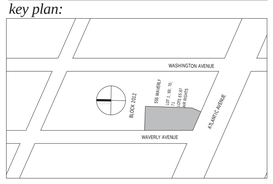
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SEVENTH FLOOR KEY PLAN

SEAL & SIGNATURE

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	3/32" = 1'-0"
DWG No:	A124.00

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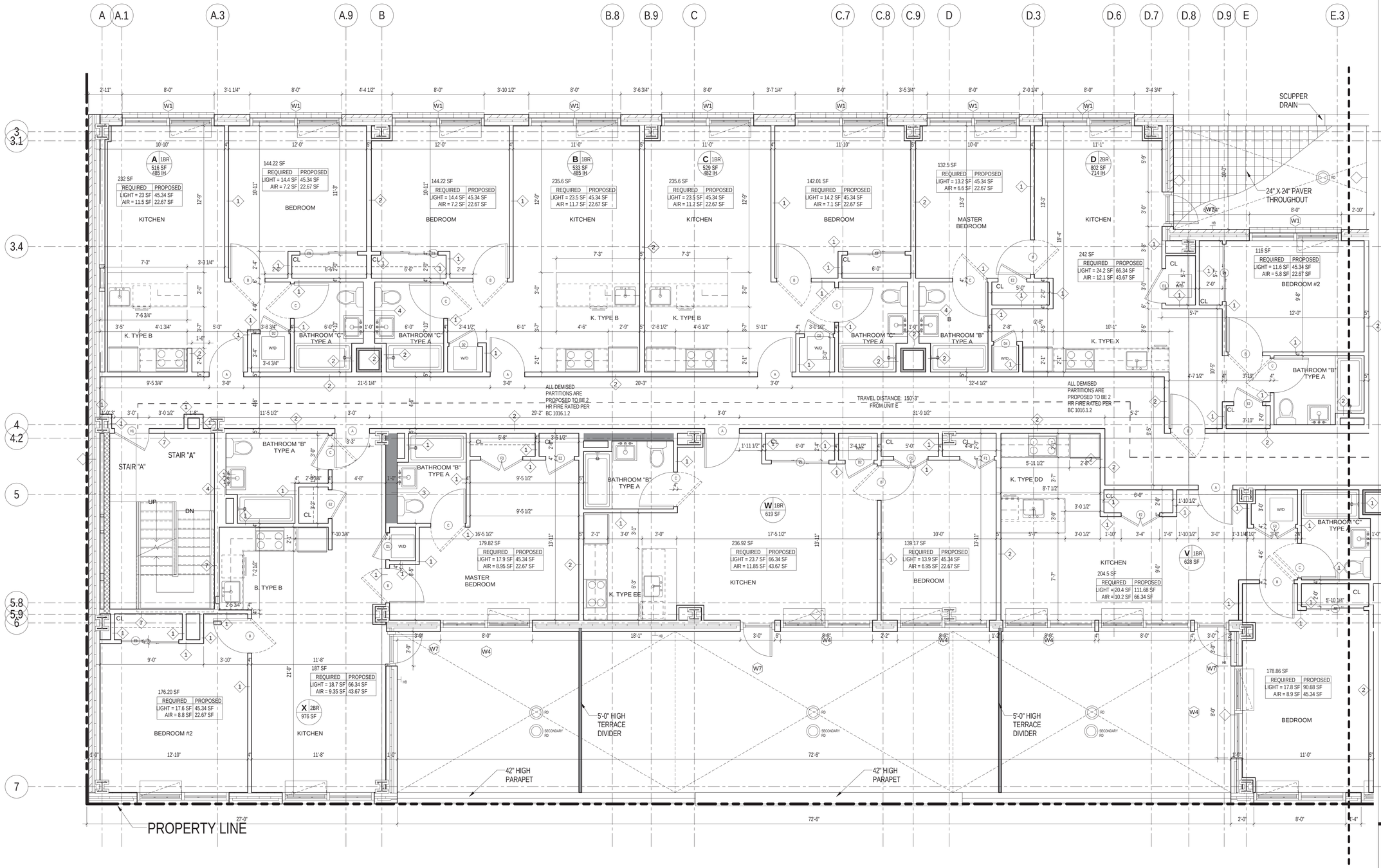

1 Level 7 - NORTH
1/4" = 1'-0"

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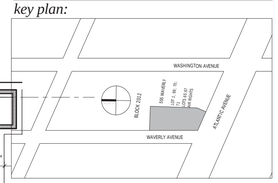
SJC ENGINEERING,PC

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

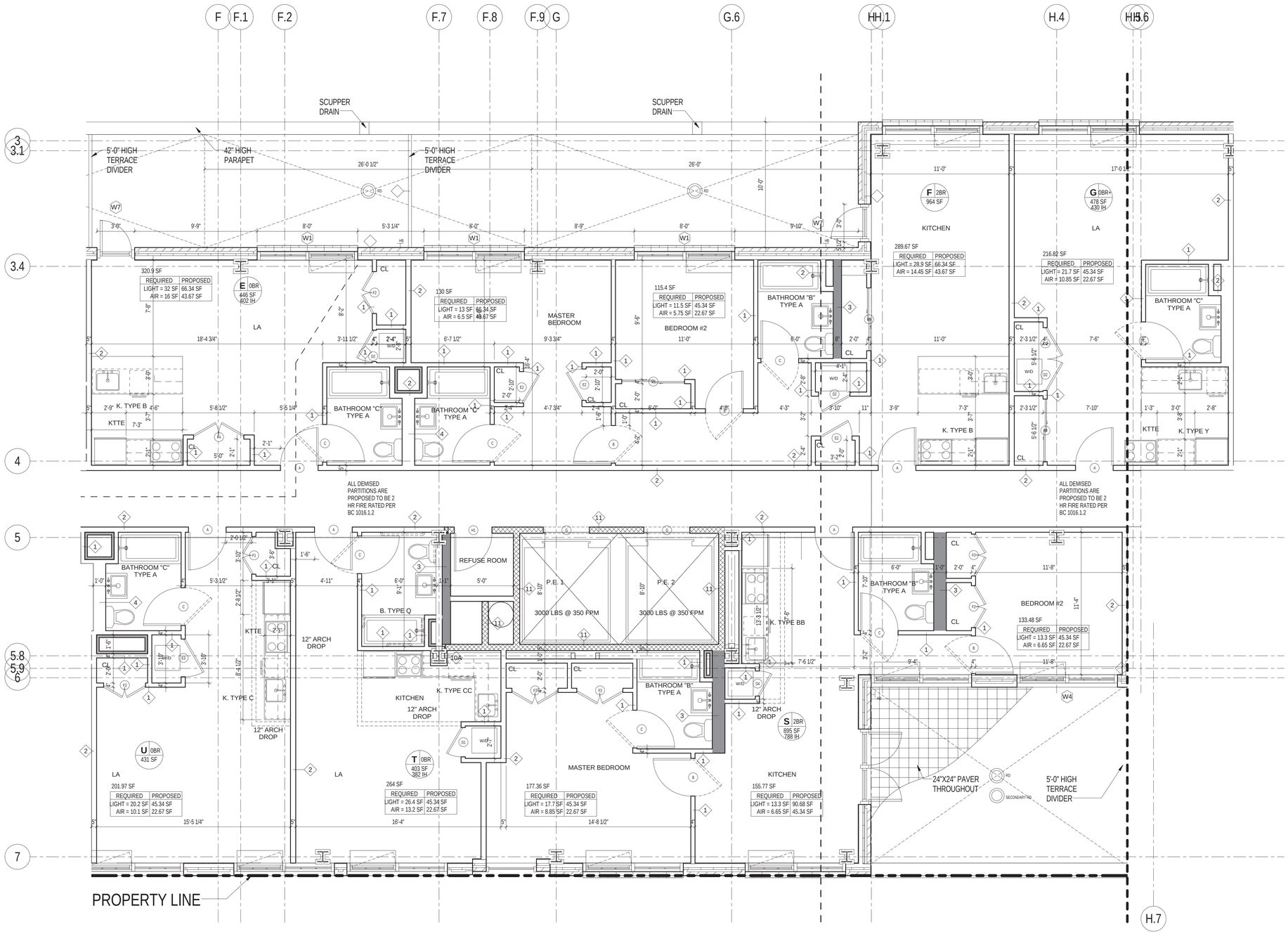
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
SEVENTH FLOOR NORTH

SEAL & SIGNATURE
REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ar
CHECKED BY:	pm
SCALE:	1/4" = 1'-0"
DWG No:	A125.00



1 Level 7 - MIDDLE
1/4" = 1'-0"

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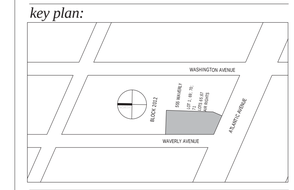
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

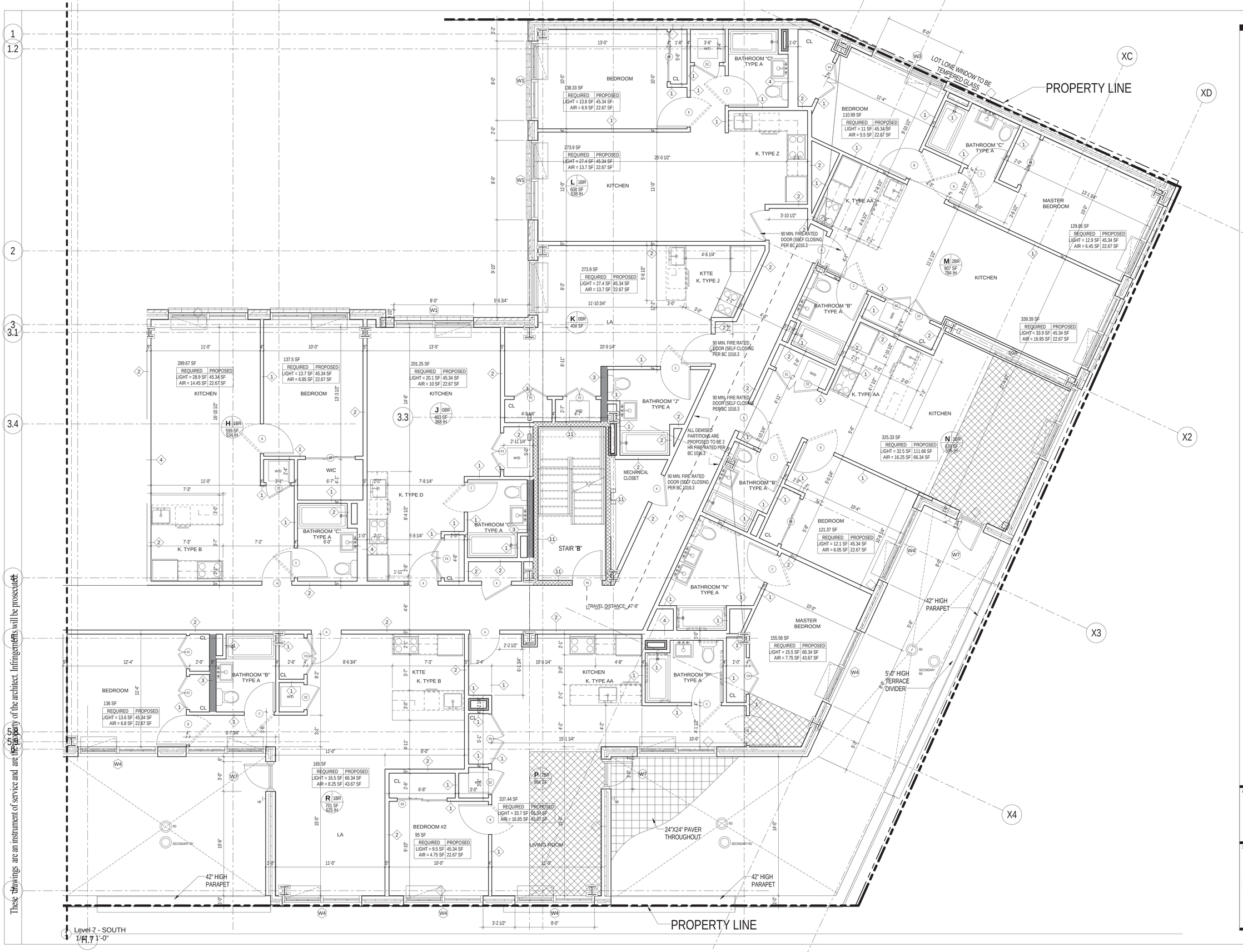
DRAWING TITLE

SEVENTH FLOOR MIDDLE

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'BRIEN JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A126.00



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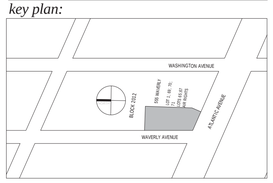
SJC ENGINEERING, P.C.

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
SEVENTH FLOOR SOUTH

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A127.00

GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

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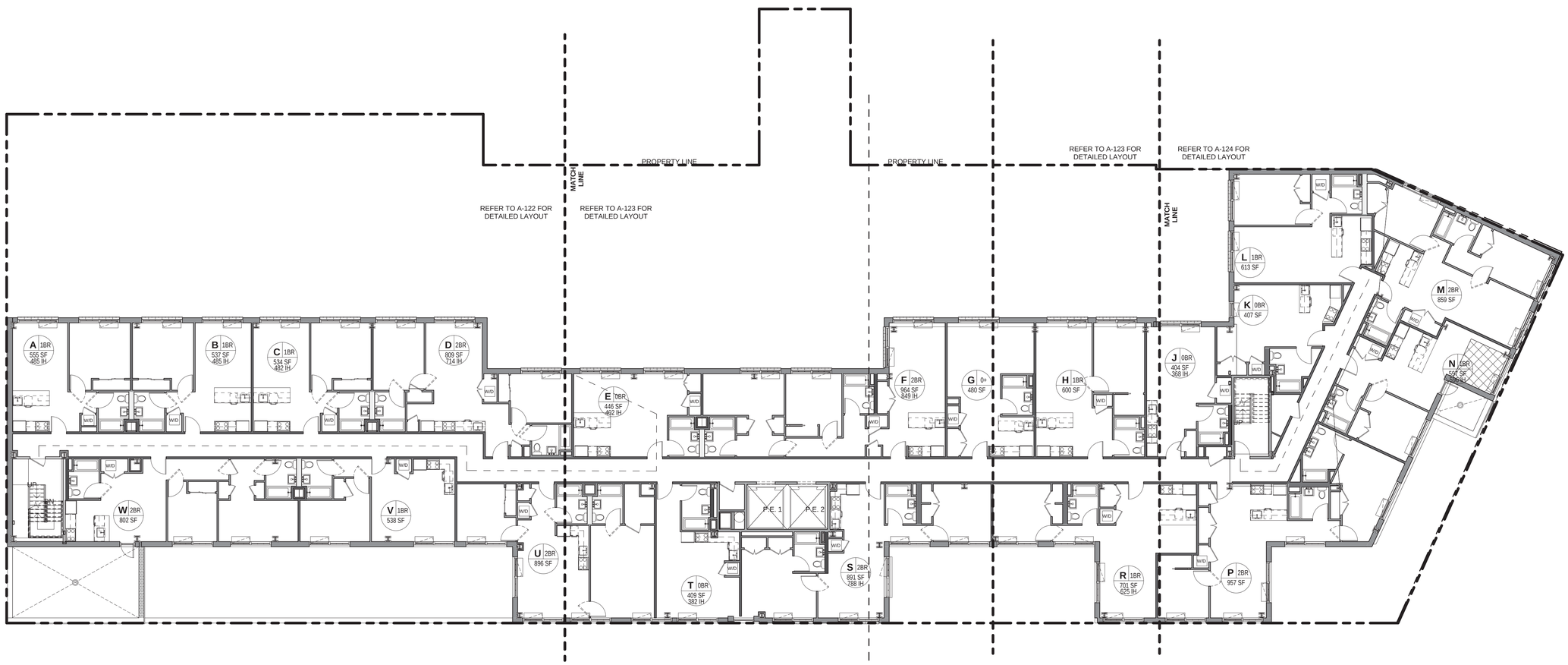

1 Eighth Floor- Key Plan
3/32" = 1'-0"

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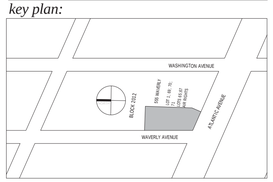
SJC ENGINEERING,PC

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

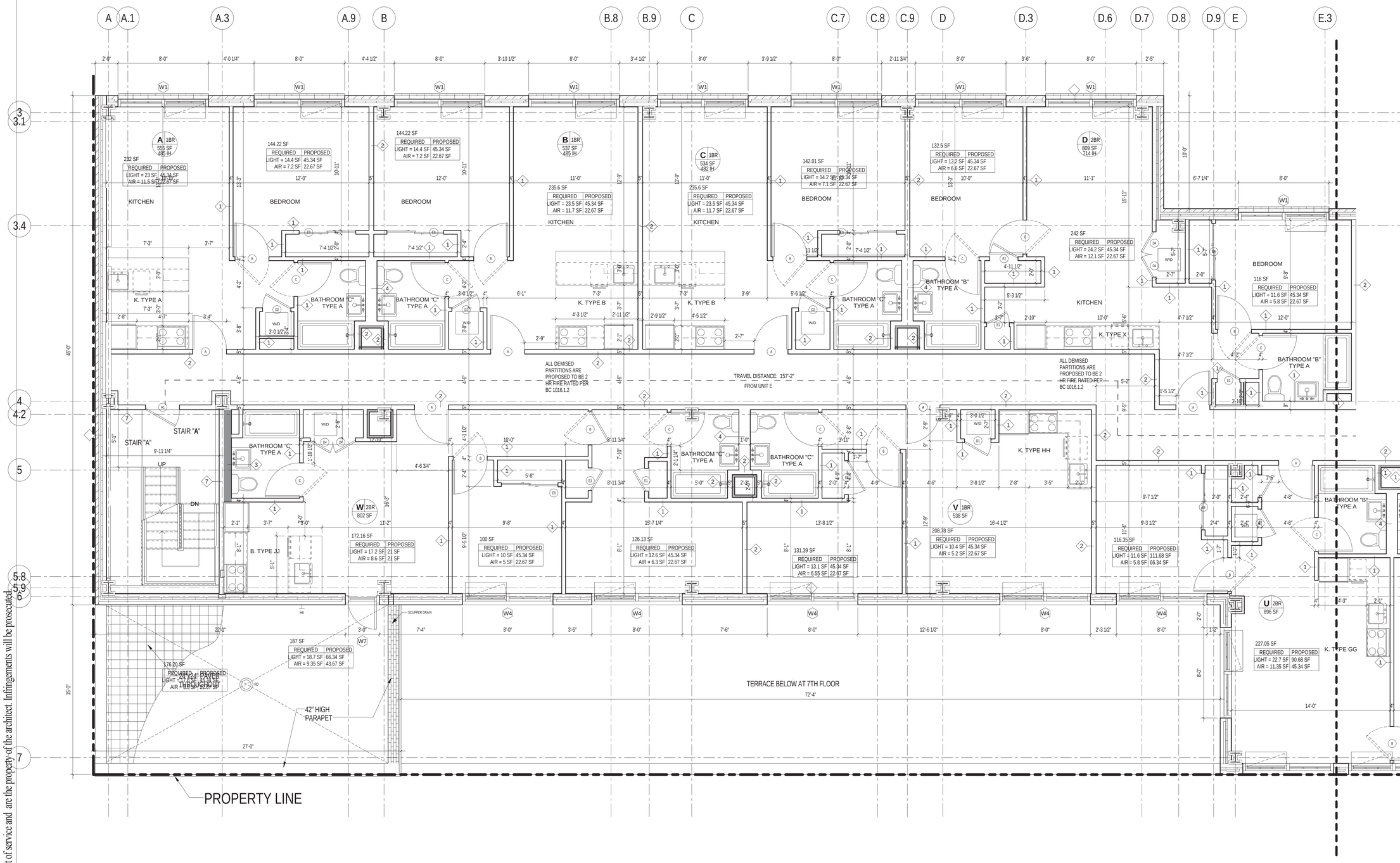
EIGHTH FLOOR KEY PLAN

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	an
CHECKED BY:	jpn
SCALE:	3/32" = 1'-0"
DWG No:	

A128.00



1 Level 8 - NORTH
1/4" = 1'-0"

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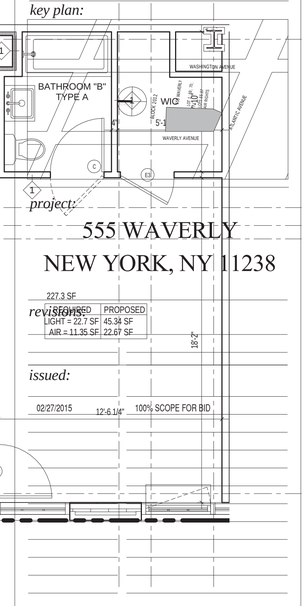
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	12-6.1/4"	100% SCOPE FOR BID

DRAWING TITLE

EIGHTH FLOOR NORTH

SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A129.00

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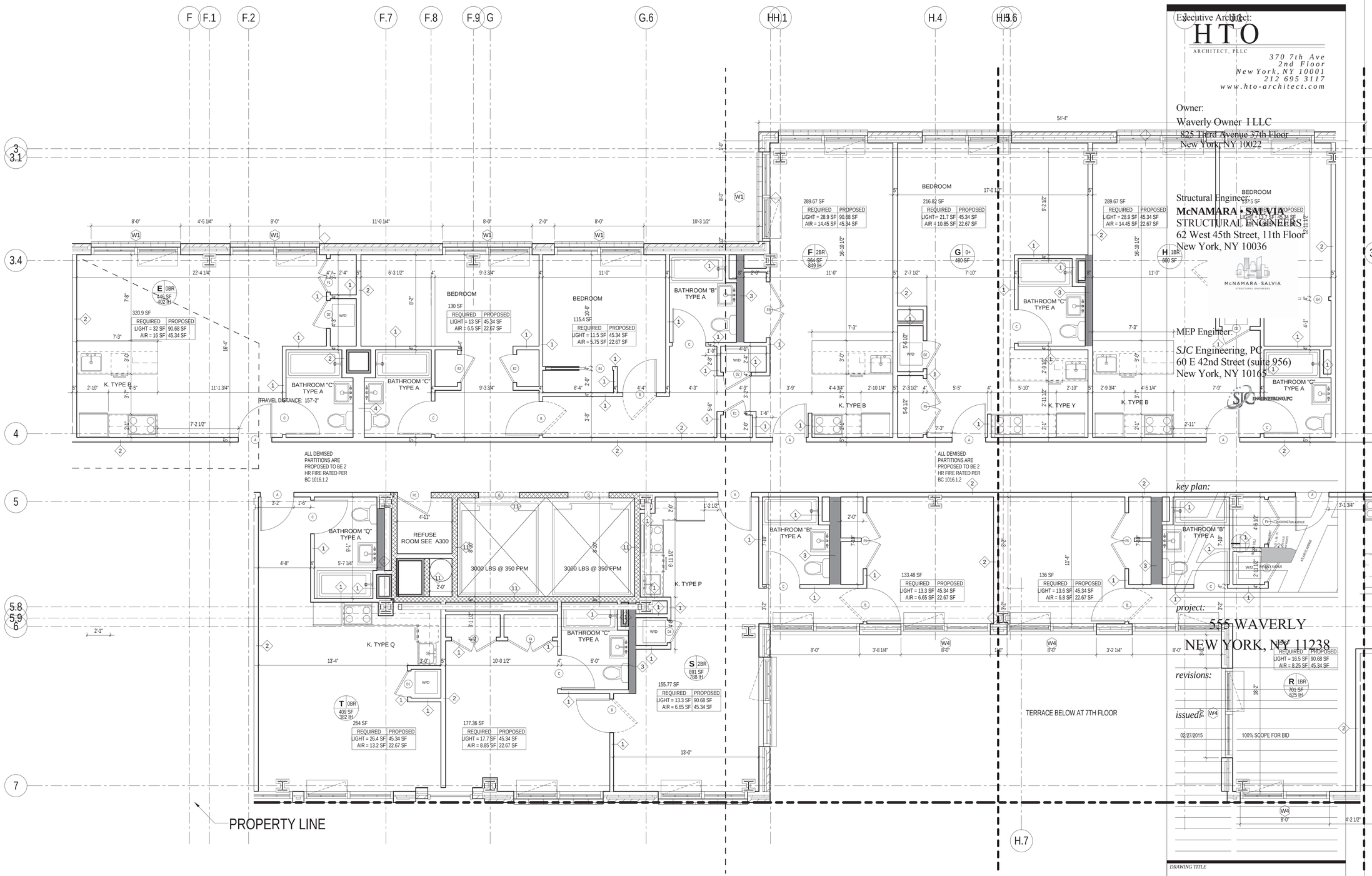

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DRAWING TITLE

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SEAL & SIGNATURE

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STATE OF NEW YORK

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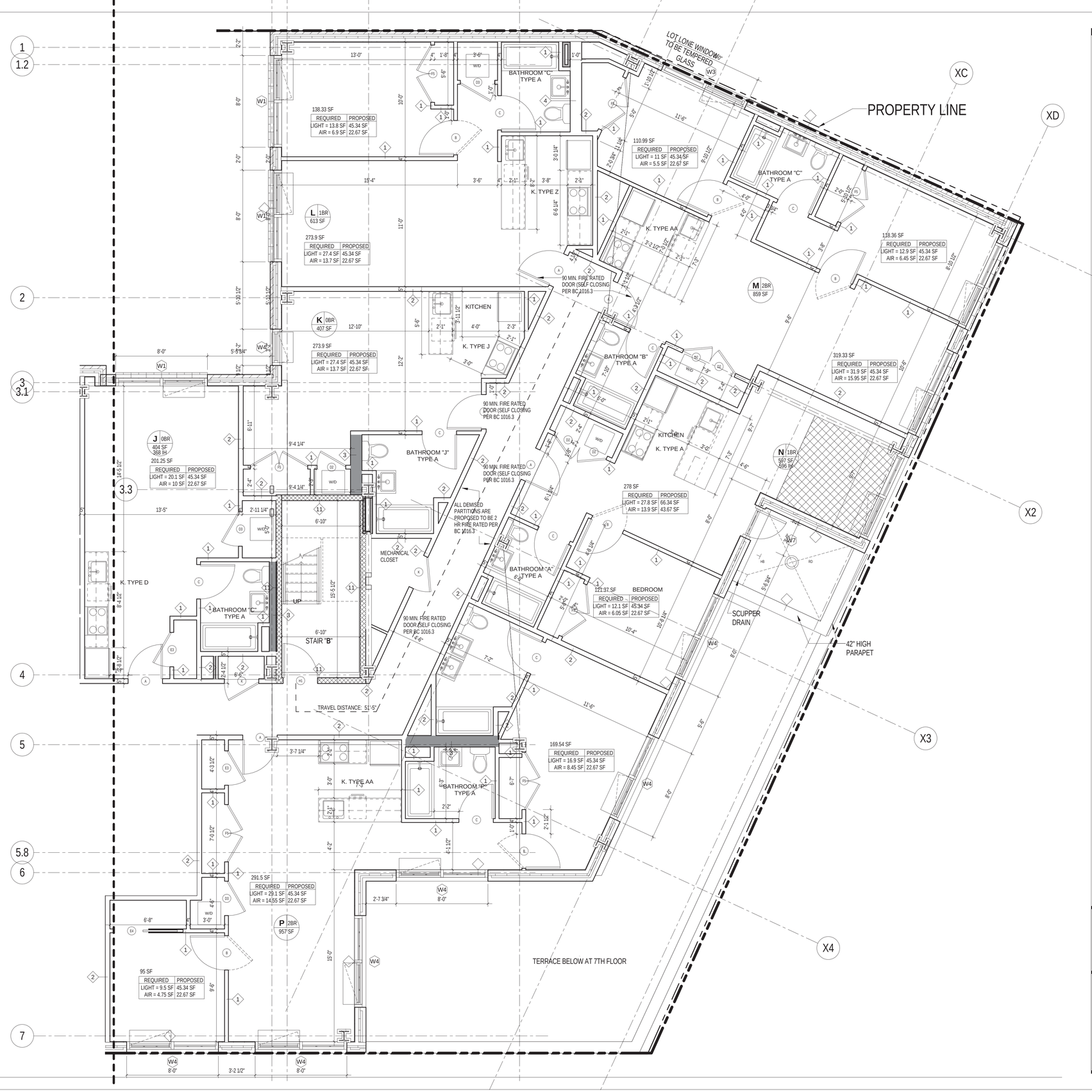

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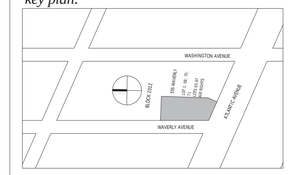
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

EIGHTH FLOOR SOUTH

SEAL & SIGNATURE:

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/4" = 1'-0"
DWG No:	A131.00

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GENERAL NOTES

1. FOR DOOR SCHEDULE. (SEE DWG. A-301)

2. FOR PARTITION TYPES. (SEE DWG A-300)

3. FOR STAIR AND CORE PLANS AND SECTIONS. (SEE DWGS. A-200)

4. FOR LIGHTING, SEE ELECTRICAL PLANS.

5. PROTECT ALL EXPOSED DUCTWORK & PIPES.

6. PROTECT ALL EXPOSED SPRINKLER HEADS.

7. ALL DIMENSIONS AT PARTITIONS ARE TO THE FACE OF PARTITIONS.

8. AT ELECTRICAL OR CATV RISER LOCATIONS FILL SLAB OPENINGS SOLID W/ CONCRETE AFTER CONDUITS ARE INSTALLED & SEAL AROUND CONDUITS W/ APPROVED SEALANT.

9. AT AREAS NOTED TO RECEIVE MEMBRANE WP TURN UP WP 8" AT ALL VERTICAL SURFACES.

10. AP INDICATES APARTMENT PANEL RECESSED IN 6" PARTITION.

11. ROOF BALLAST TO BE RIVERBED GRAVEL.

12. HARDWIRED COMBO SMOKE/CARBON MONOXIDE DETECTOR AS PER LL 71

13. PER BC F101, PROPOSED BUILDING WILL COMPLY WITH RODENT-PROOFING REQUIREMENTS.

14. STAIRWAY DOOR OPERATION AND STAIRWAY COMMUNICATIONS SYSTEM WILL COMPLY PER BC 403.12.

15. DOORS WILL NOT BE LOCKED PER BC 403.12. RE-ENTRY WILL BE PROVIDED.

16. EXIT STAIR ENCLOSURES SHALL BE CONSTRUCTED OF IMPACT-RESISTANT WALLS.

17. FOR DETAIL KITCHENS (SEE DWG. A400 - A411)

18. FOR DETAIL BATHROOMS (SEE DWG. A500 - A505)

19.1301.1.1 CRITERIA. BUILDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE 2011 NEW YORK CITY ENERGY CONSERVATION CODE.

20.BUILDING WILL HAVE A 24 HR CONCIERGE THAT WILL MEET BC. 1008.4.4 FOR INTERCOMMUNICATION SYSTEMS. CONCIERGE WILL HAVE AT FRONT DESK AN INTERCOMMUNICATION SYSTEM TO CONTACT BUILDING TENANTS.

21. STAIR EXIT DOORS SHALL HAVE TACTIVE & TACTILE FINGERSPELLING INDICATIVE "EXIT" ADJACENT TO EACH DOOR IN COMPLIANCE WITH ANSI CC A117.1.

CM AND/OR CONTRACTOR TO
PROVIDE THE FOLLOWING:

22. ACCESS PANELS FOR P.R.V. VALVES IN PIPE CHASES. (SEE MECH. DWGS.)

23. SPRINKLER HEADS IN REFUGE CHUTE AT EVERY SECOND FLOOR. (SEE FIRE PROTECTION DWGS.)

24. GWB HUNG CEILINGS AT ALL PLUMBING & MECHANICAL OFFSETS.

25. LATACRETE MEMBRANE WP AT ALL BATHROOMS & POWDER ROOMS AT OFFSET FLOORS.

26. LOOSE LINTELS AT ALL REGISTERS AND LOUVERS OVER 18" IN MASONRY WALLS.

27. TRASH CHUTE TO BE SUPPORTED WITH DOUBLE DEFLECTION NEOPRENE-IN-SHEAR VIBRATION ISOLATORS, COATED WITH A DAMPING COMPOUND, AND WRAPPED WITH A FIBERGLASS AND SHEET LEAD.

28. HOPPER DOOR: SS STEEL CLAD, BOTTOM HINGED, FULLY PNEUMATIC, BUTTON OPERATED, ADA COMPLIANT, U.L. APPROVED 90 MIN., B-LABEL INTAKE DOOR W/ 250 DEG. MAXIMUM TEMPERATURE RISE IN 30. MIN. NYCBSA # 110-58-SM

29. TRASH COMPACTOR TO BE PLACED ON NEOPRENE MOUNTS, EQUAL TO MANSON INDUSTRIES TYPE 'BR' MOUNTS OR SIMILAR MOUNT, SIZED FOR 0.20" STATIC DEFLECTION UNDER THE WEIGHT OF THE MACHINE.

30. PROVIDE EXIT MARKINGS AS REQUIRED BY
LOCAL LAW 26 0F 2004

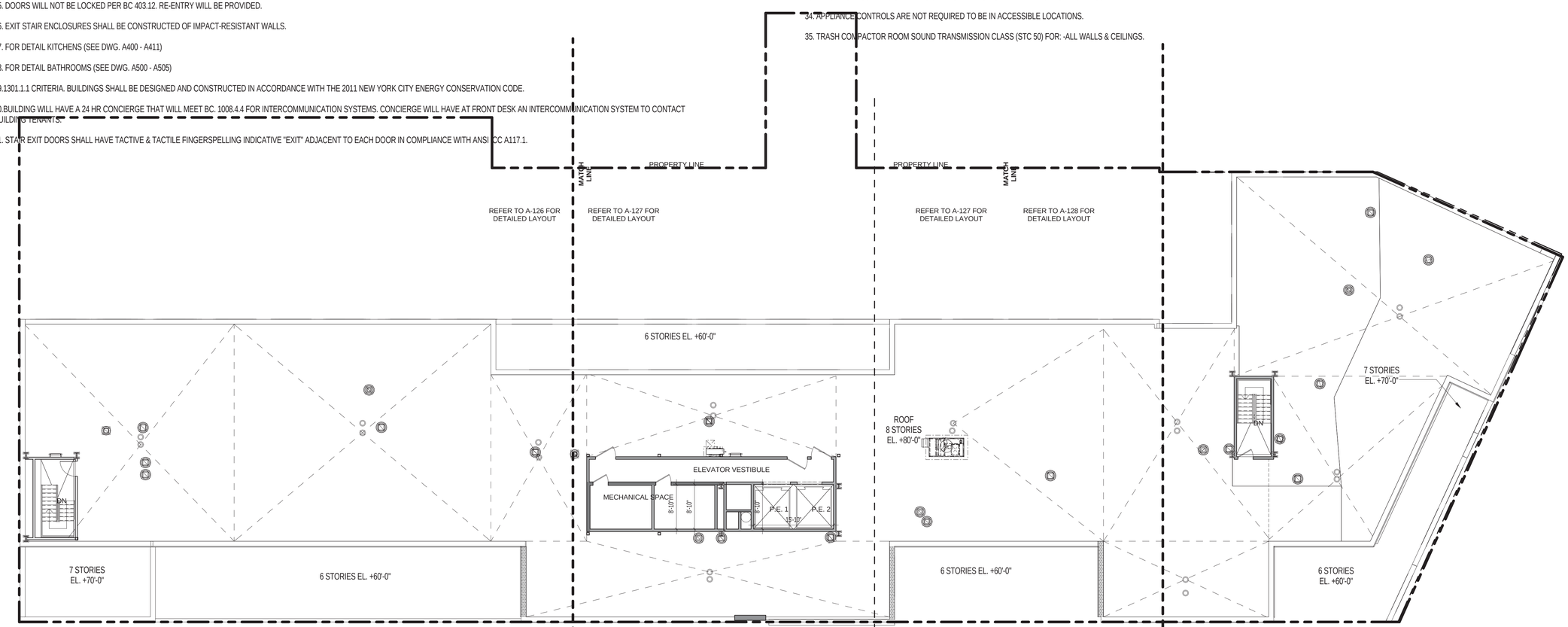
31. ENVIRONMENTAL CONTROLS SUCH AS THERMOSTATS AND OTHER HEATING, AIR CONDITIONING, AND VENTILATION MECHANISMS ARE TO BE POSITIONED IN ACCESSIBLE LOCATIONS, AS MUST LIGHT SWITCHES AND ELECTRICAL OUTLETS FOR EACH ROOM.

32. ELECTRICAL OUTLETS INSTALLED HORIZONTALLY AND VERTICALLY, DUPLEX OUTLETS MUST HAVE BOTH RECEPTACLES WITHIN THE REACH RANGE OF 15" MIN. A.F.F. AND 48" MAXIMUM A.F.F.

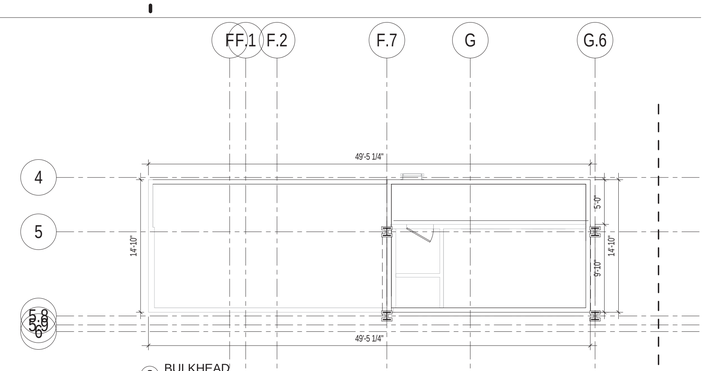
33. ELECTRICAL OUTLETS ON WALLS OVER CABINETS MUST BE A MIN. OF 36" FROM A CORNER.

34. APPLIANCE CONTROLS ARE NOT REQUIRED TO BE IN ACCESSIBLE LOCATIONS.

35. TRASH COMPACTOR ROOM SOUND TRANSMISSION CLASS (STC 50) FOR: -ALL WALLS & CEILINGS.



1 Roof Floor- Key Plan
3/32" = 1'-0"



2 BULKHEAD
1/8" = 1'-0"

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MEP Engineer:
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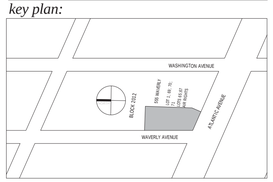
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

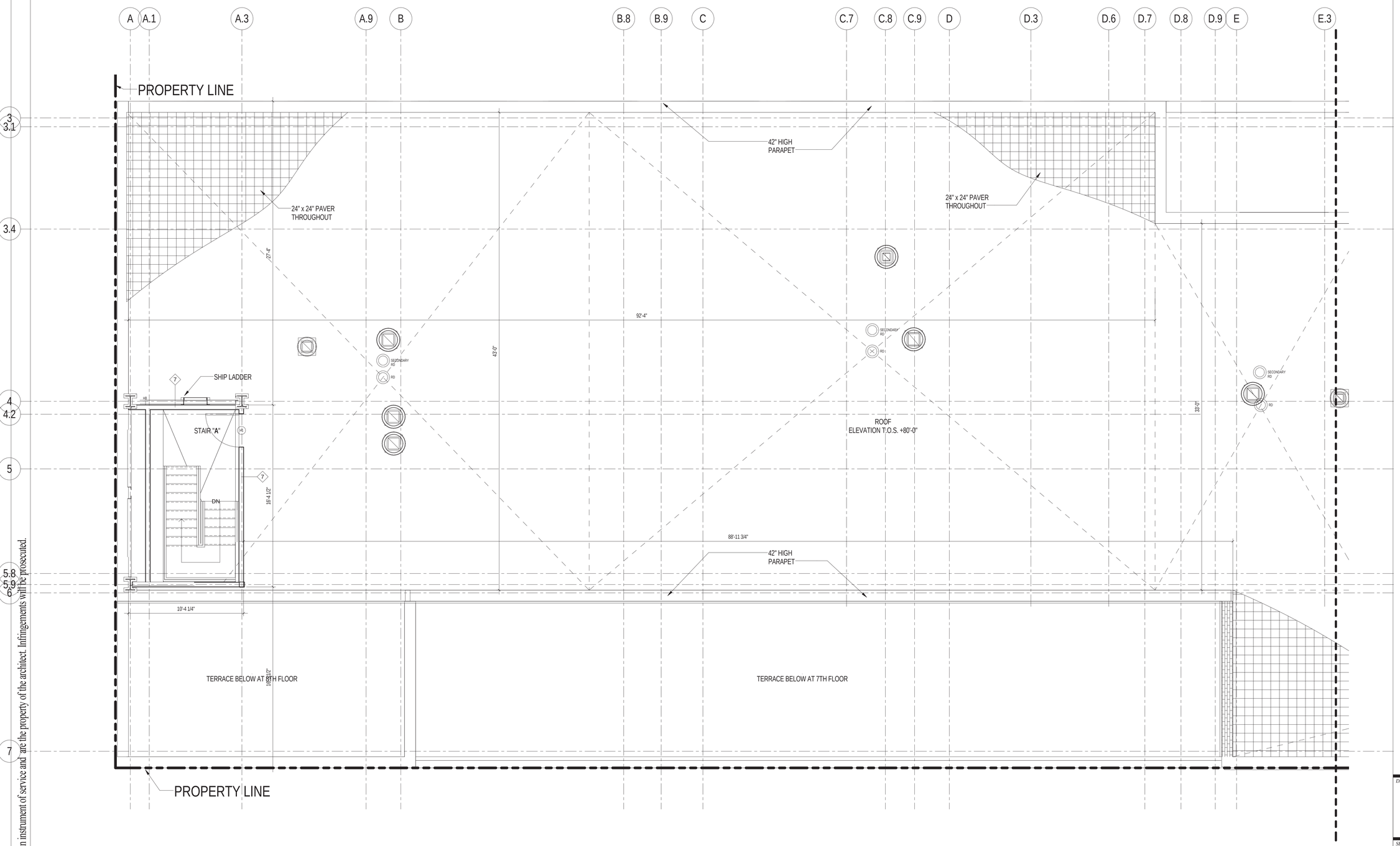
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
ROOF PLAN

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	As indicated
DWG No:	A132.00



1 ROOF - NORTH
1/4" = 1'-0"

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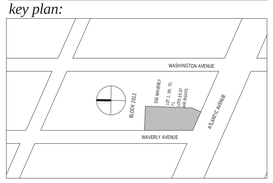

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NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

ROOF FLOOR NORTH

SEAL & SIGNATURE:

DATE:	12/17/14
PROJECT No:	14024
DRAWING BY:	Author
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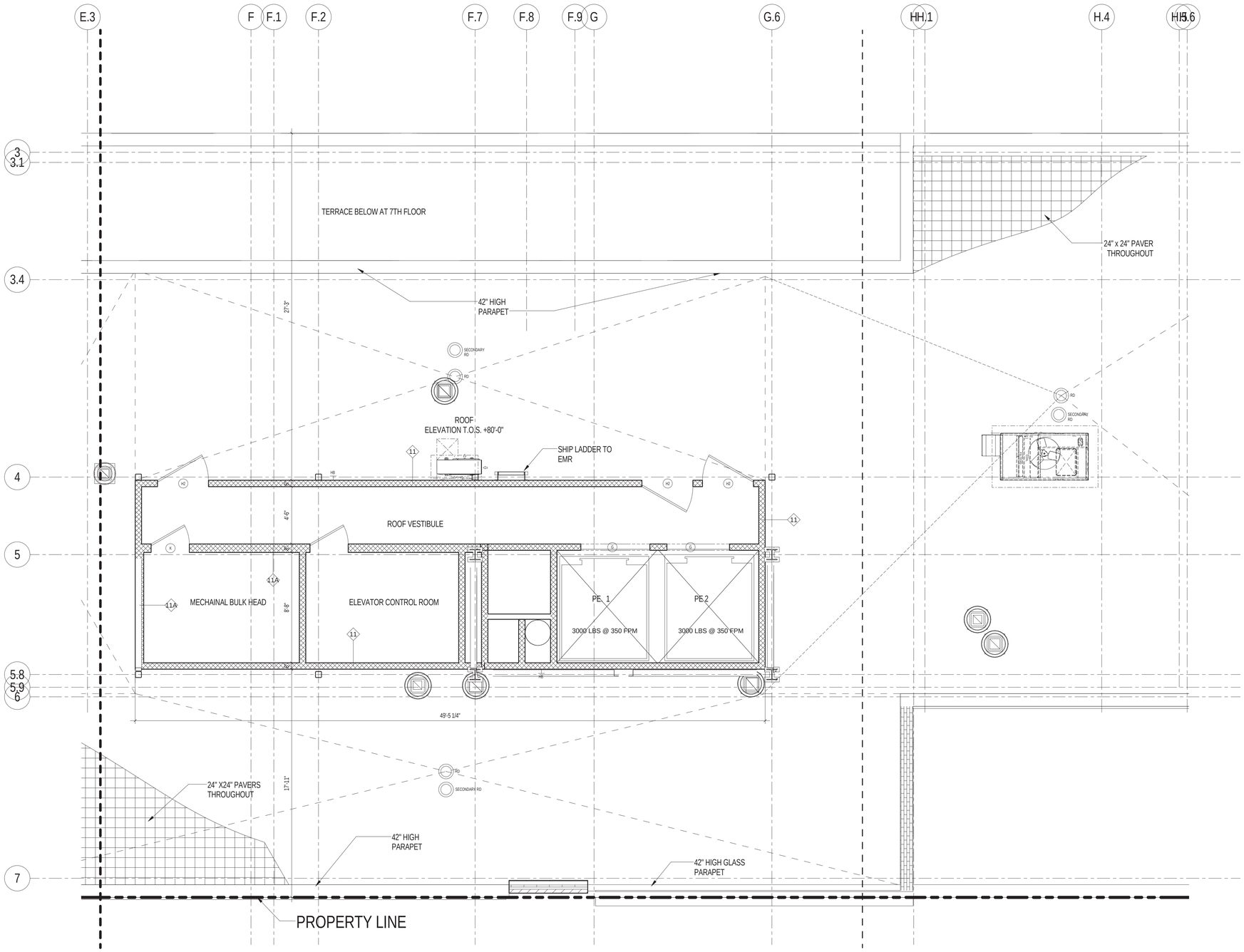
SCALE:	1/4" = 1'-0"
DWG No:	A133.00



1 ROOF - MIDDLE
1/4" = 1'-0"

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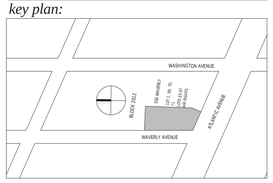

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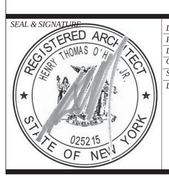
DRAWING TITLE
ROOF FLOOR MIDDLE

SEAL & SIGNATURE



DATE:	12/17/14
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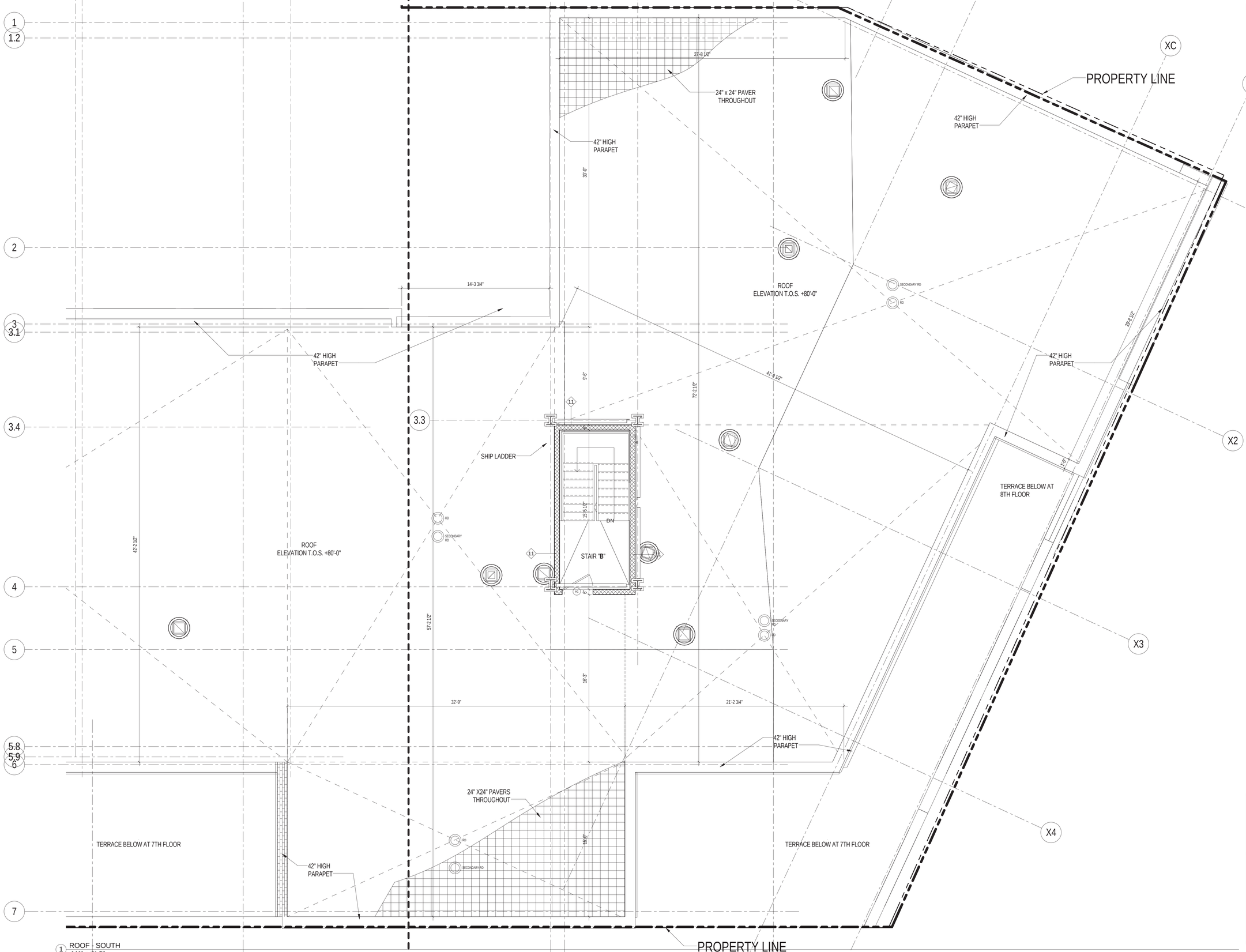
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A134.00



1 ROOF - SOUTH
1/4" = 1'-0"
H.7

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SJC ENGINEERING,PC

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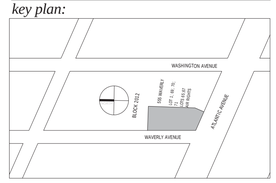

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

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DRAWING TITLE

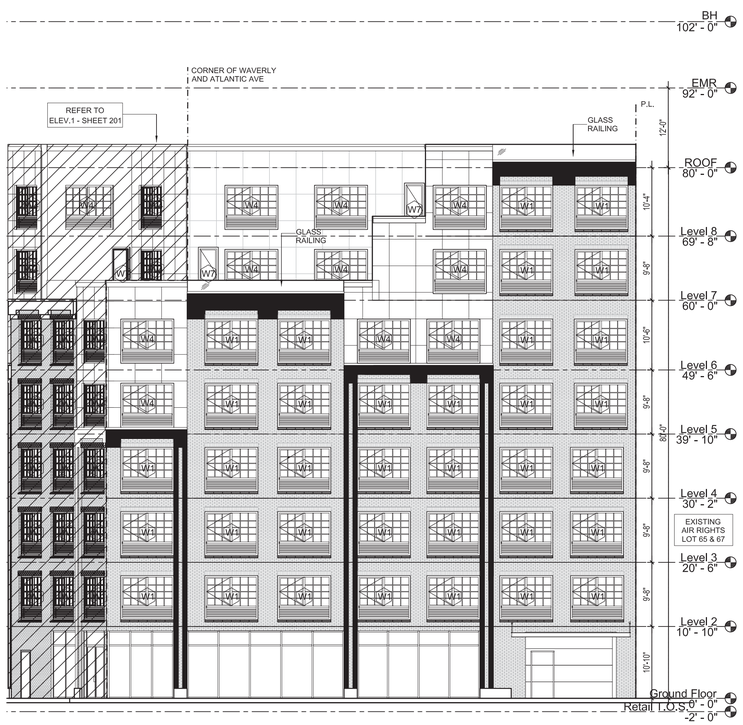
ROOF FLOOR SOUTH

SEAL & SIGNATURE

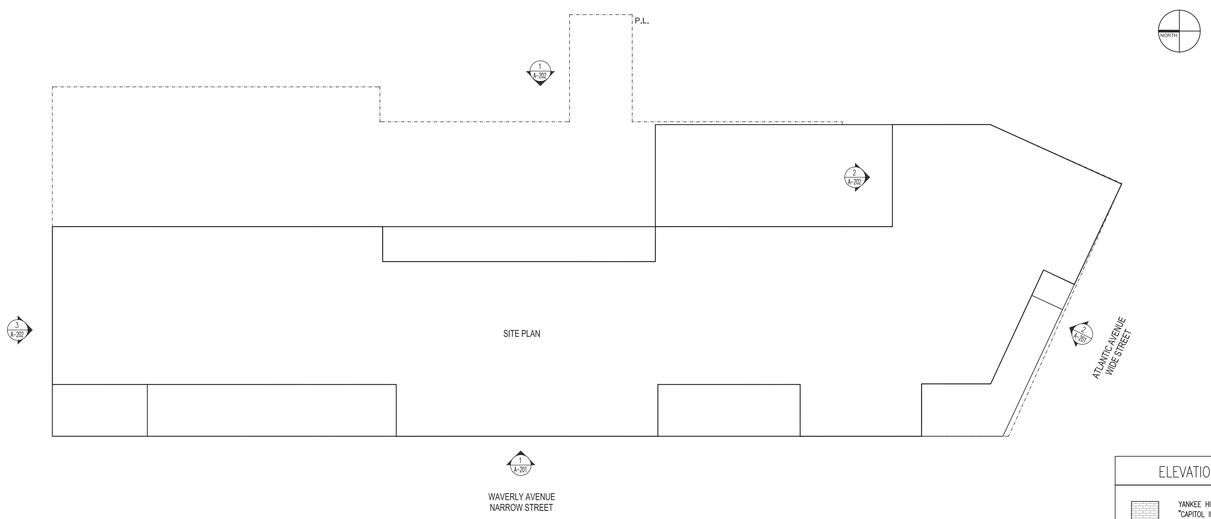
REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	12/17/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A135.00

1 WAVERLY ELEVATION
SCALE: 3/32"=1'-0"



2 ATLANTIC AVE ELEVATION
SCALE: 3/32"=1'-0"



ELEVATION LEGEND

YANKEE HILL BRICK TILE
"CAPITOL IRONSPOT VELOUR" COLOR
FACTORY: #H415
UTILITY: 12" MODULAR

YANKEE HILL BRICK TILE
"CAPITOL IRONSPOT SMOOTH" COLOR
FACTORY: #J337
UTILITY:12" MODULAR

ALUCOBOND ALUMINUM PANEL
DUSTY CHARCOAL COLOR
FACTORY: #PVDF-3/GLOSS 30
UTILITY:

VG VC
ST. CLOUD WINDOWS
MODEL: 2500 A-3
OITC RATING 35
PVAC
S.P.L. PANEL

SG - SPANDREL GLASS
VG - VISION GLASS

Executive Architect:
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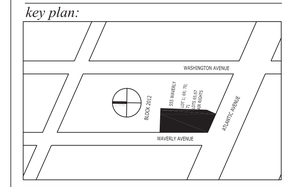
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% BID DOCUMENTS

DRAWING TITLE
ELEVATIONS

SEAL & SIGNATURE
REGISTERED ARCHITECT JEREMY THOMAS O'BRIEN 025215 STATE OF NEW YORK

DATE:
PROJECT No:
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SCALE:
DWG No:
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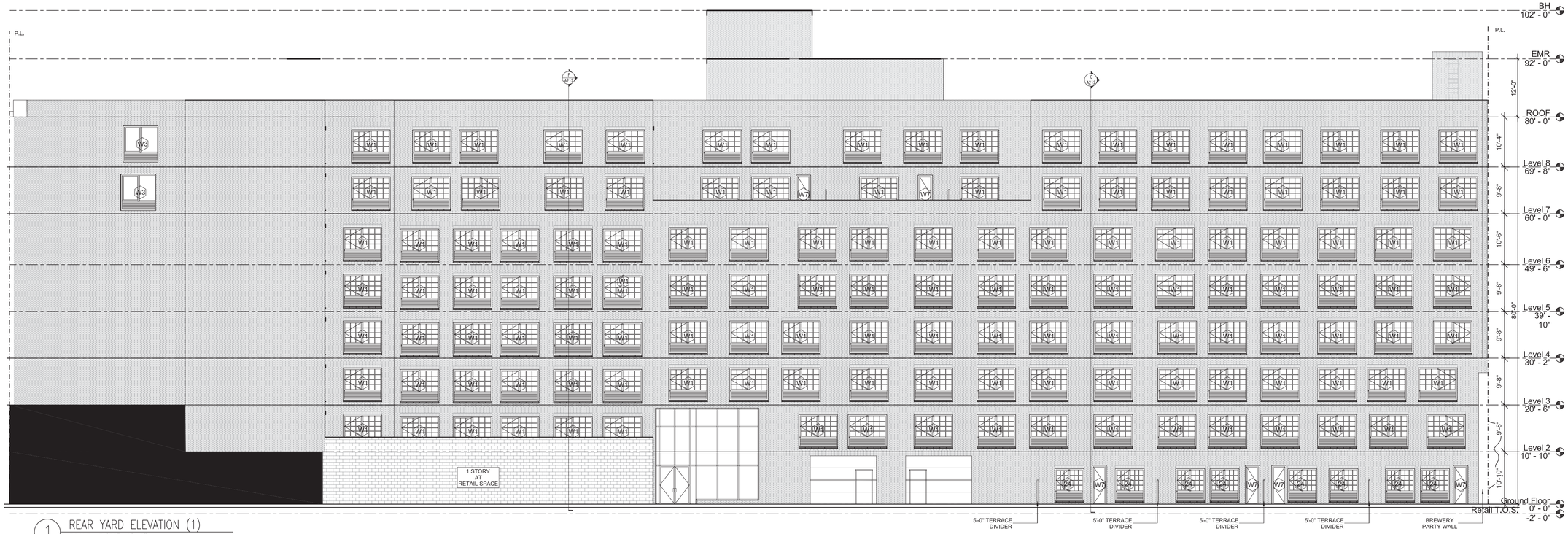
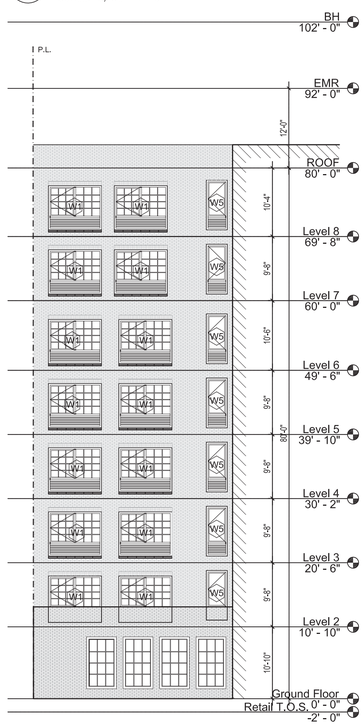
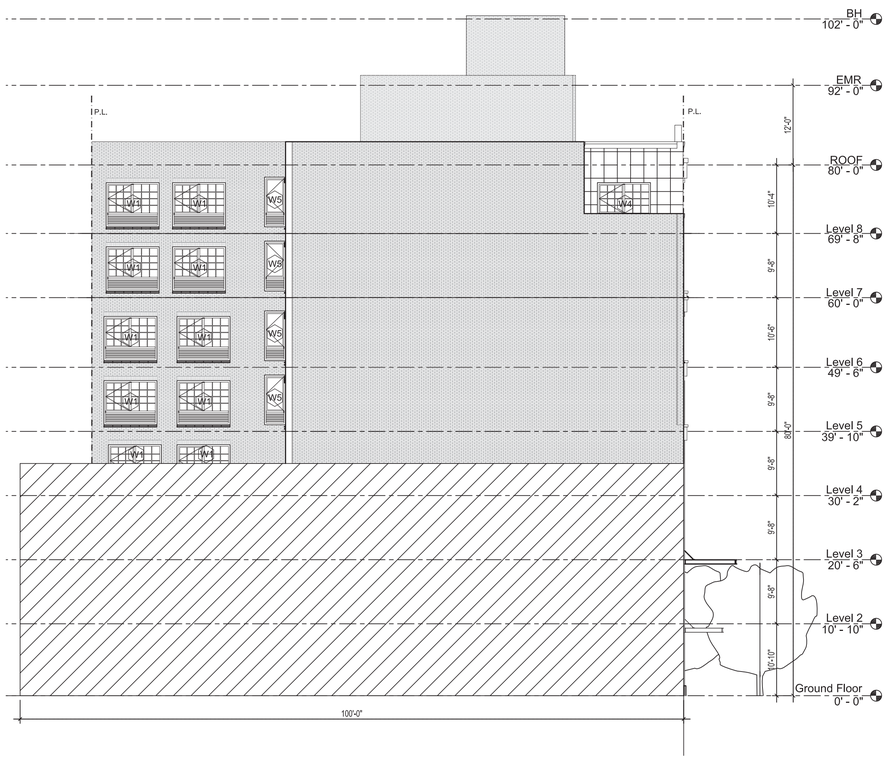


1 REAR YARD ELEVATION (1)
SCALE: 3/32"=1'-0"



2 REAR YARD ELEVATION (2)
SCALE: 3/32"=1'-0"



3 NORTH LOT LINE ELEVATION
SCALE: 3/32"" = 1'-0"

ELEVATION LEGEND

YANKEE HILL BRICK TILE
"CAPITOL IRONSPOT VELOUR" COLOR
FACTORY: #H415
UTILITY: 12" MODULAR

YANKEE HILL BRICK TILE
"CAPITOL IRONSPOT SMOOTH" COLOR
FACTORY: #J337
UTILITY:12" MODULAR

ALUCOBOND ALUMINUM PANEL
DUSTY CHARCOAL COLOR
FACTORY: #PVDF-3/GLOSS 30
UTILITY:

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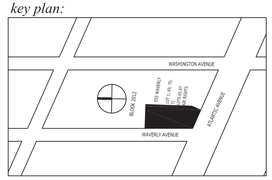
key plan:



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ELEVATIONS

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SCALE:
DWG No:

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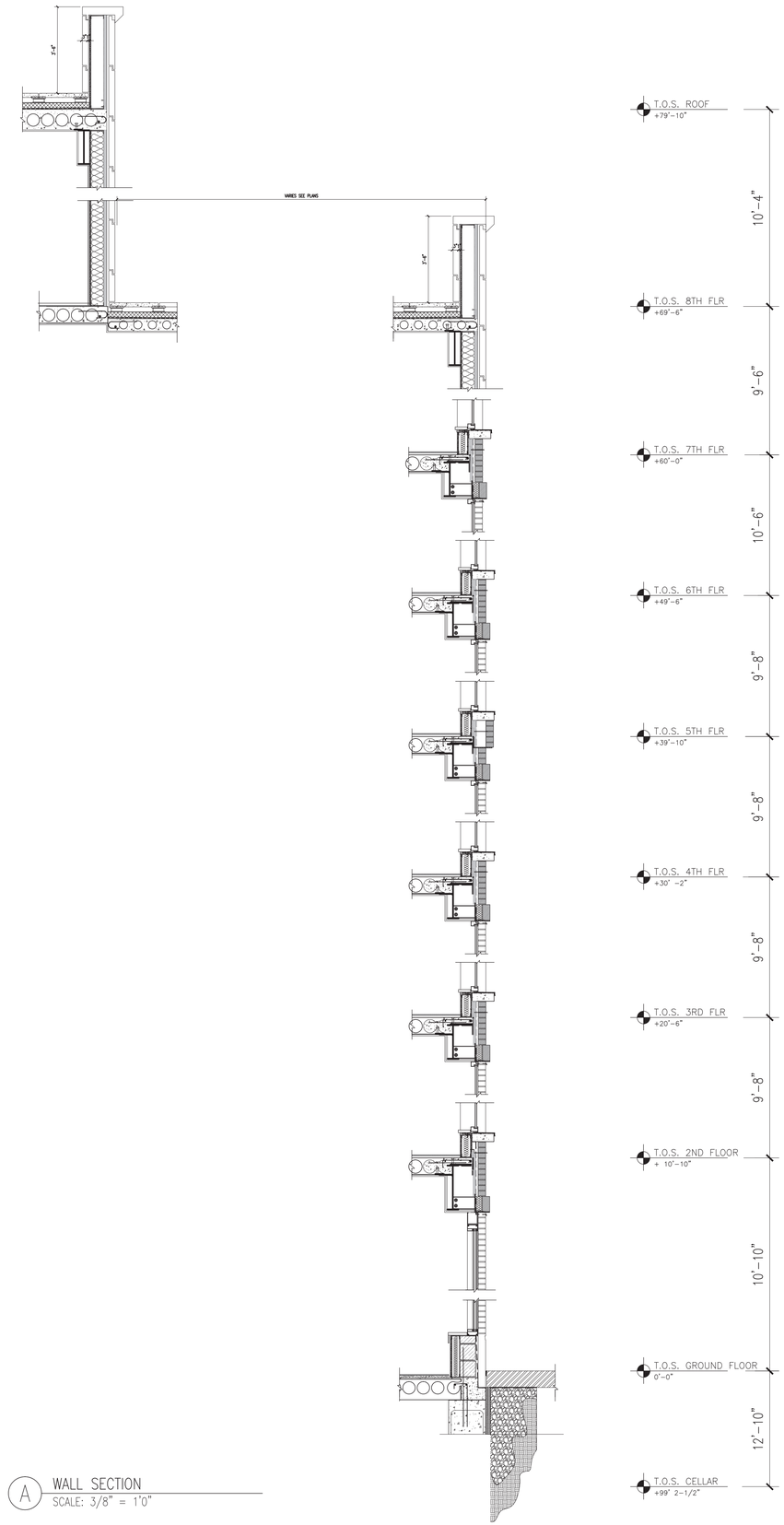
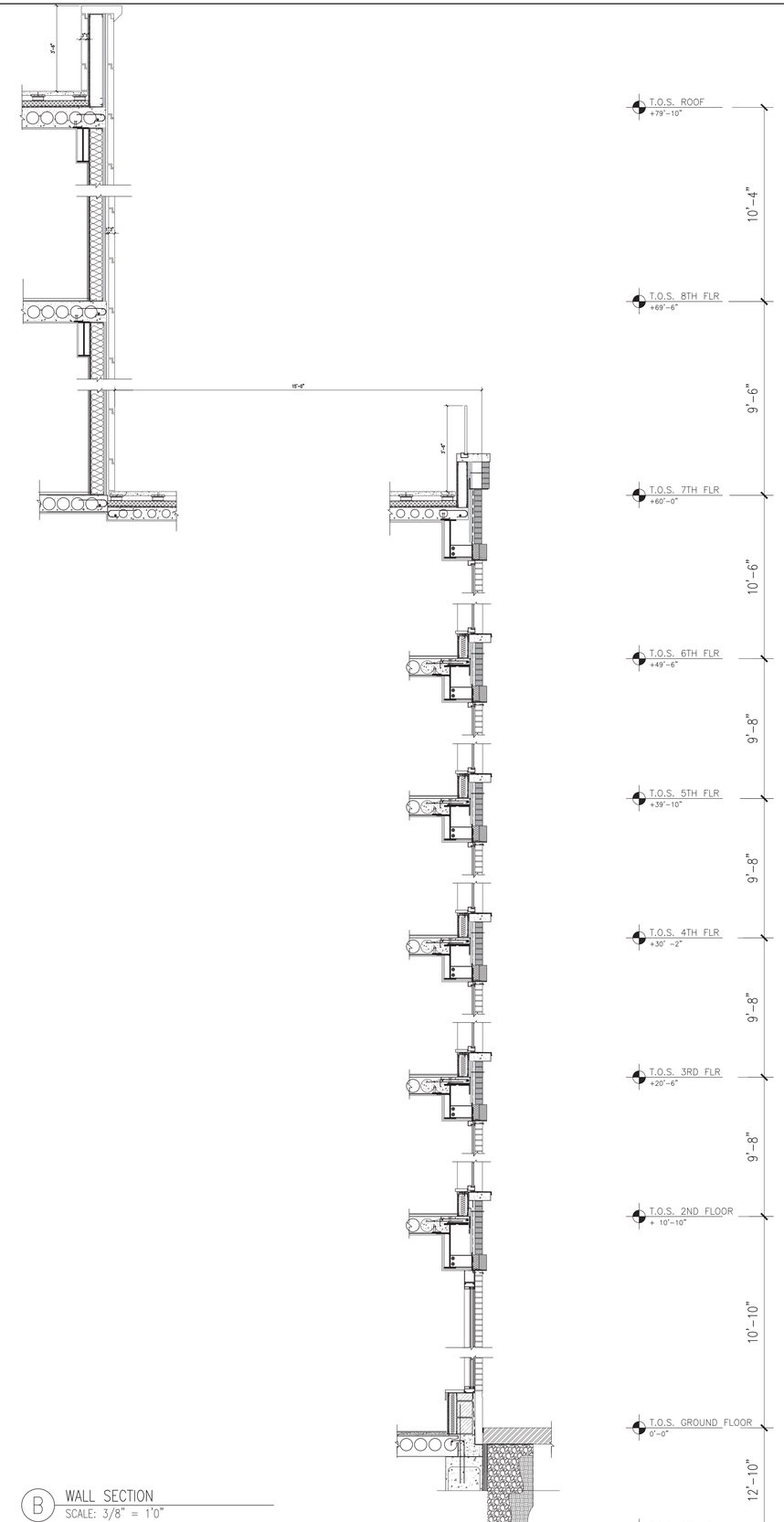


A WALL SECTION
SCALE: 3/8" = 1'0"



B WALL SECTION
SCALE: 3/8" = 1'0"

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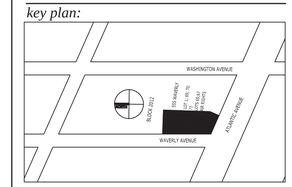
key plan:



project:

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WALL SECTION
AND DETAILS

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REGISTERED ARCHITECT
HENRY THOMAS O'CONNOR
025215
STATE OF NEW YORK

DATE:	12/19/2014
PROJECT No:	14024
DRAWING BY:	JLV
CHECKED BY:	JPM
SCALE	AS NOTED
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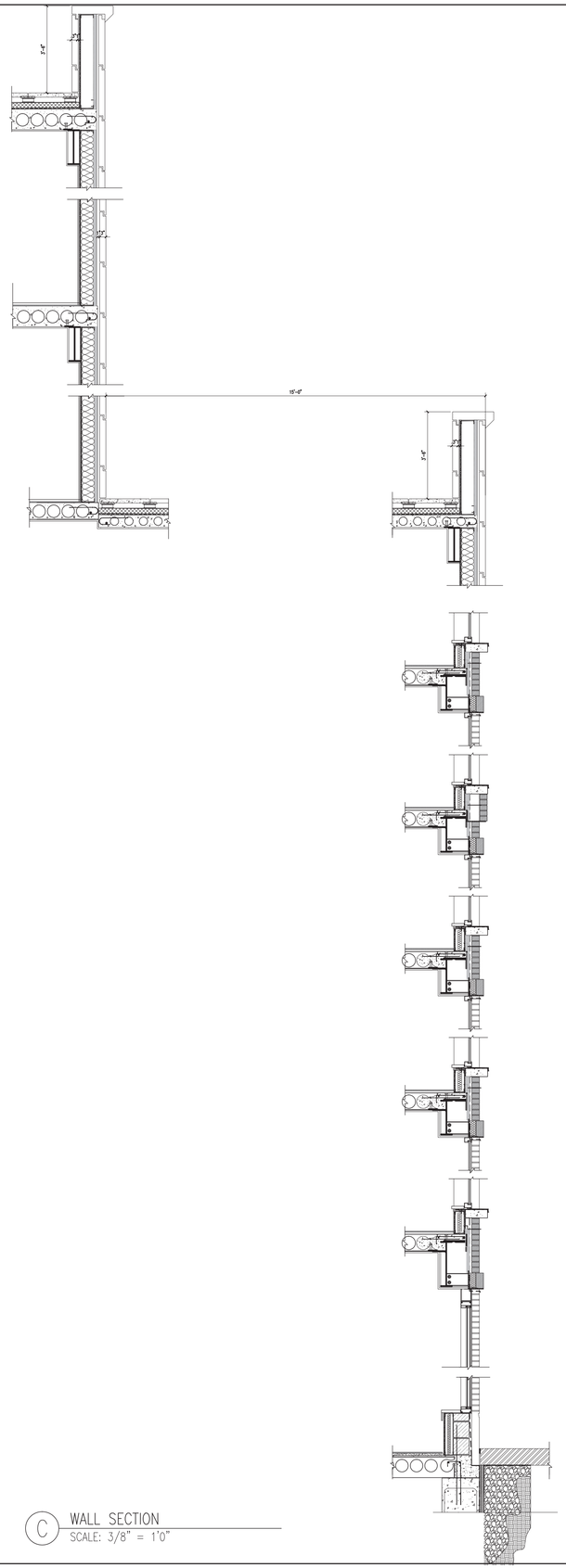
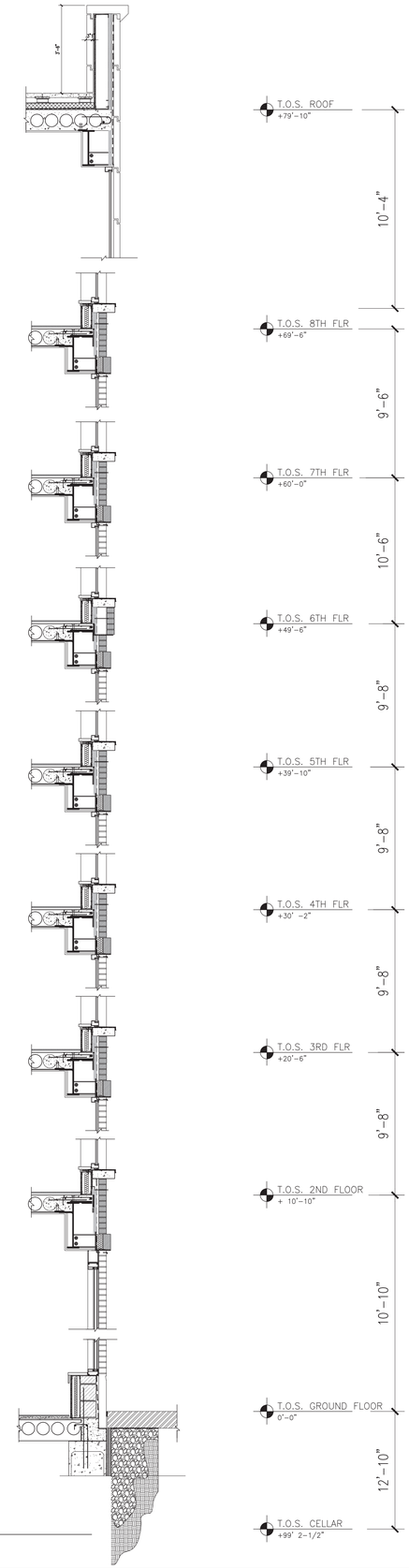


C WALL SECTION
SCALE: 3/8" = 1'0"



D WALL SECTION
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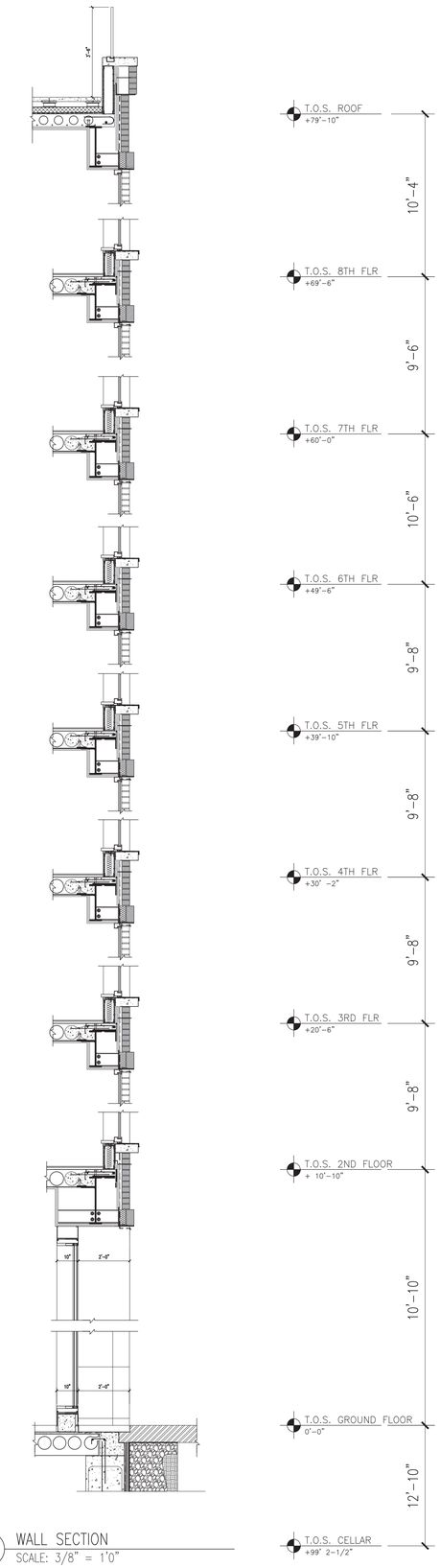

E WALL SECTION
SCALE: 3/8" = 1'0"

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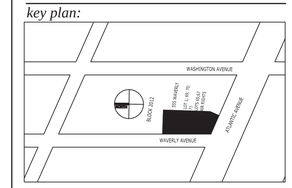

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WALL SECTION
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SCALE	AS NOTED
DWG No:	A211.00

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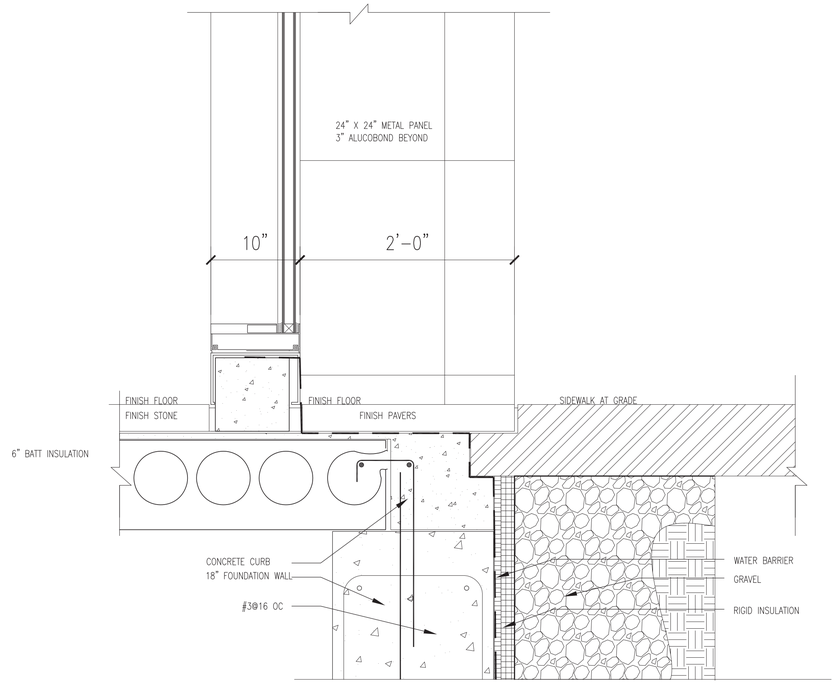

A FOUNDATION DETAIL AT ENTRY
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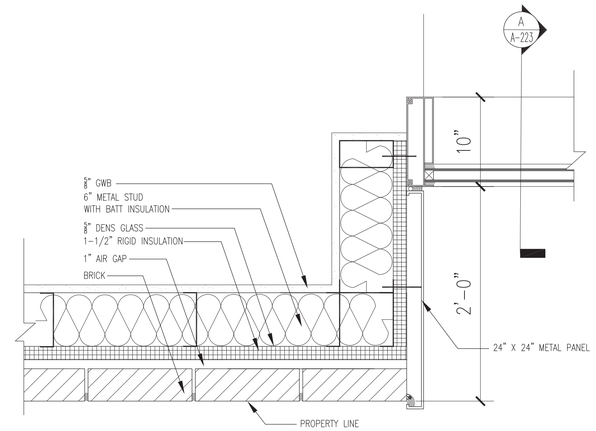

B PLAN DETAIL AT LOBBY ENTRY
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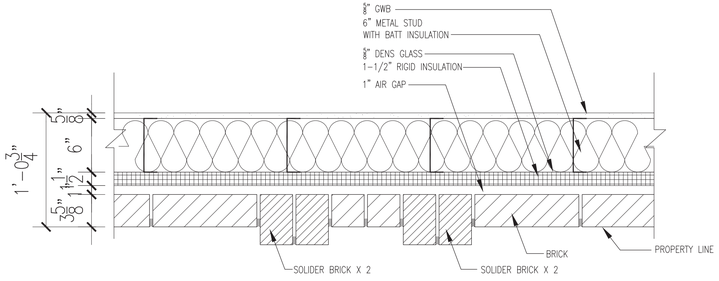

C DETAIL AT MASONRY PIER
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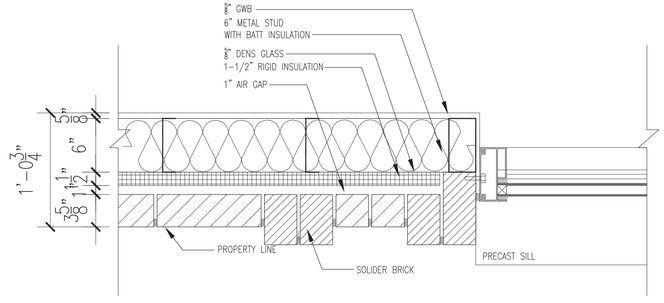
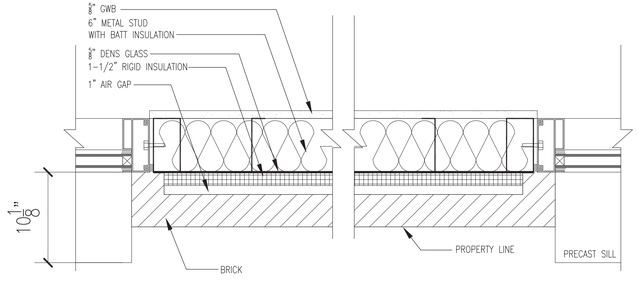
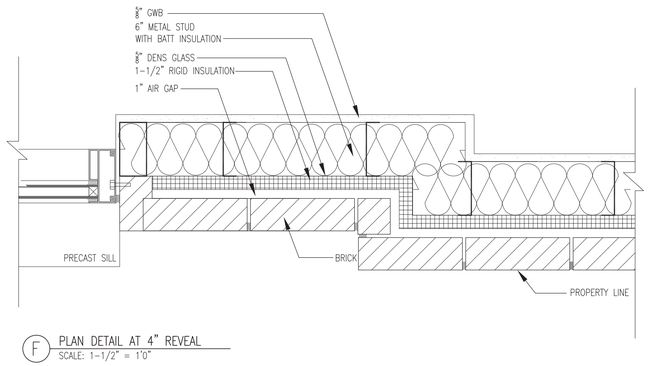


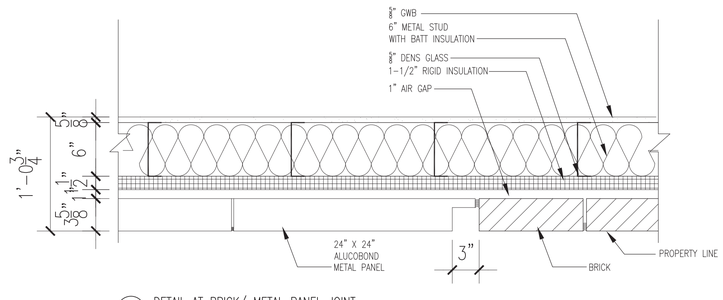
D DETAIL AT SOLDIER BRICK/ WINDOW OPENING
SCALE: 1-1/2" = 1'0"



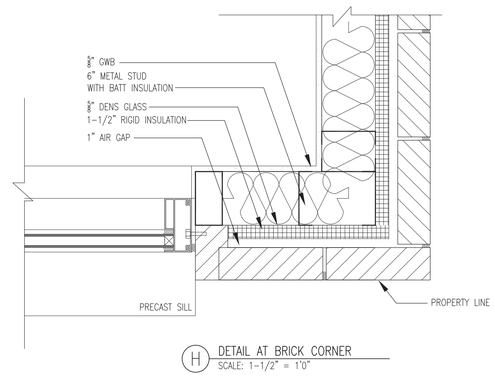
E DETAIL PLAN AT BRICK/ WINDOW OPENING
SCALE: 1-1/2" = 1'0"



F PLAN DETAIL AT 4" REVEAL
SCALE: 1-1/2" = 1'0"



G DETAIL AT BRICK/ METAL PANEL JOINT
SCALE: 1-1/2" = 1'0"



H DETAIL AT BRICK CORNER
SCALE: 1-1/2" = 1'0"

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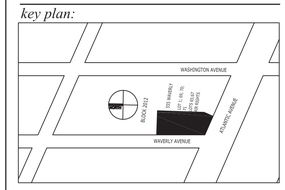
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

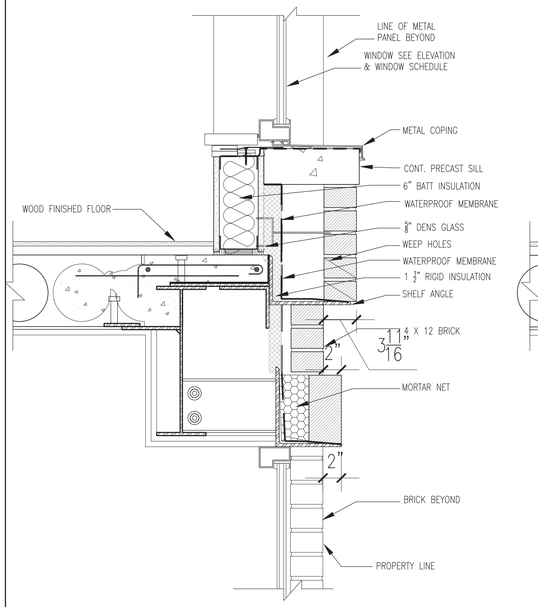
issued:

12/19/2014	80% CD

DRAWING TITLE
WALL SECTION
AND DETAILS

SEAL & SIGNATURE
REGISTERED ARCHITECT
JEFFREY THOMAS O'CONNOR JR.
025215
STATE OF NEW YORK

DATE:	12/19/2014
PROJECT No:	14024
DRAWING BY:	JLV
CHECKED BY:	JPM
SCALE	AS NOTED
DWG No:	A223.00



J DETAIL OF HEADER AND SILL AT SLAB
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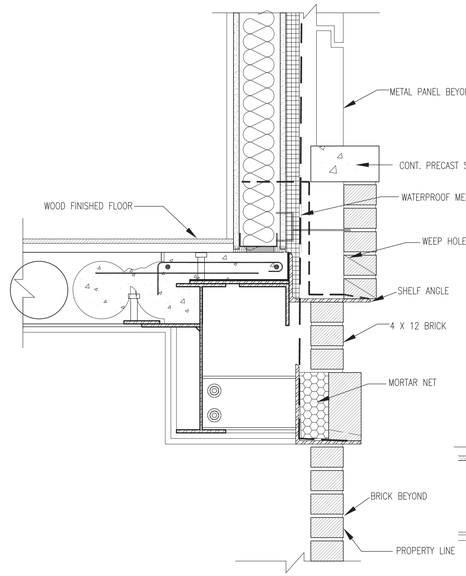

K DETAIL OF METAL PANEL AT SLAB
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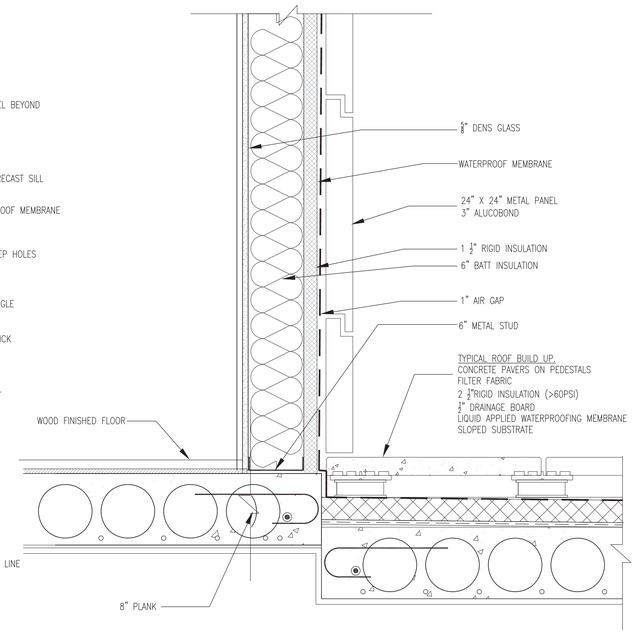

L DETAIL AT TERRACE
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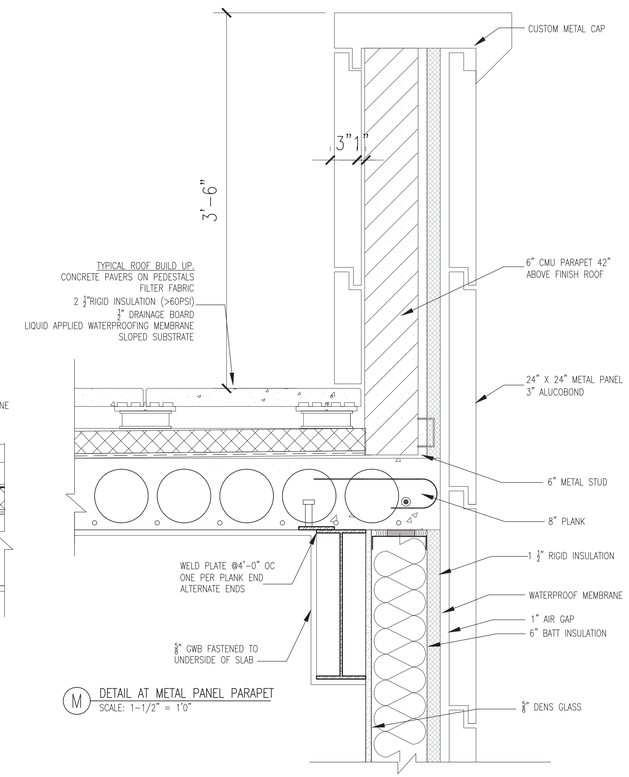

M DETAIL AT METAL PANEL PARAPET
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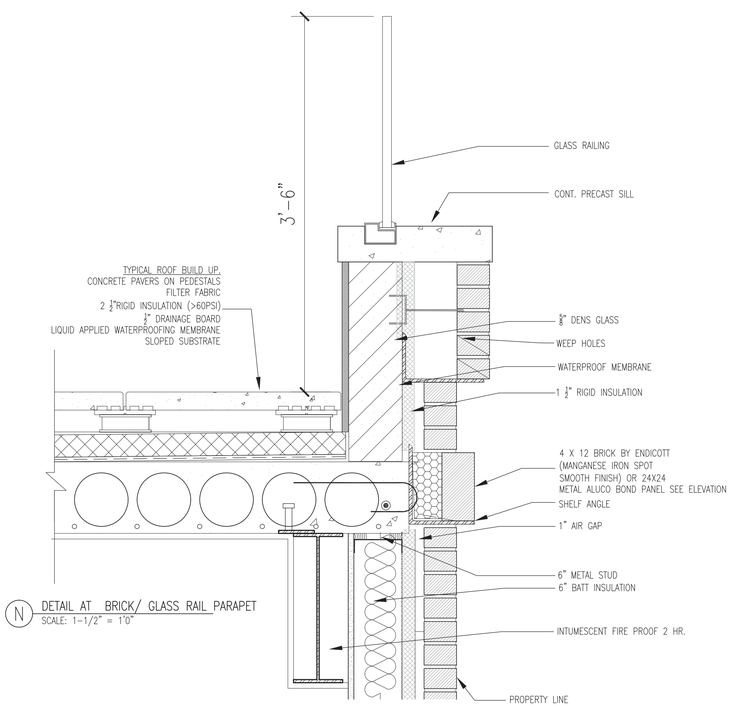

N DETAIL AT BRICK/ GLASS RAIL PARAPET
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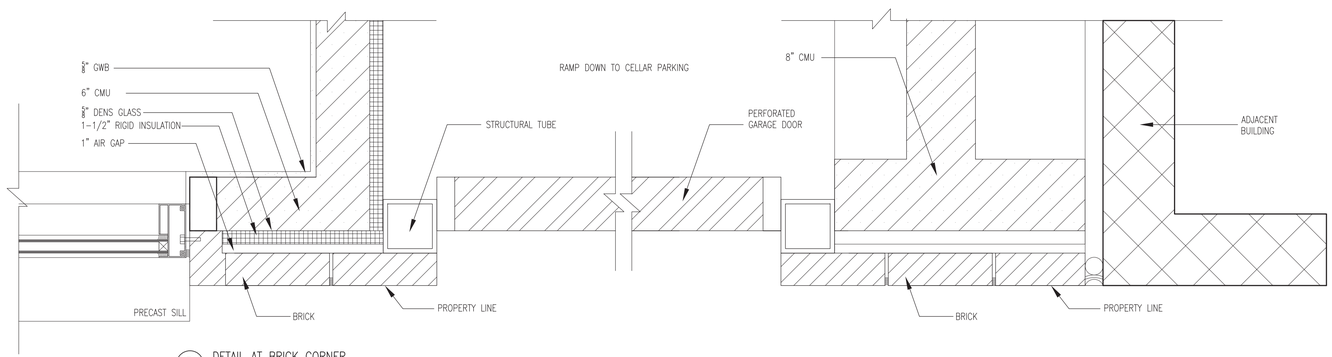

P DETAIL AT BRICK CORNER
SCALE: 1-1/2" = 1'0"

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MEP Engineer:
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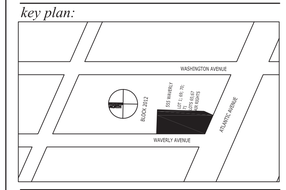
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

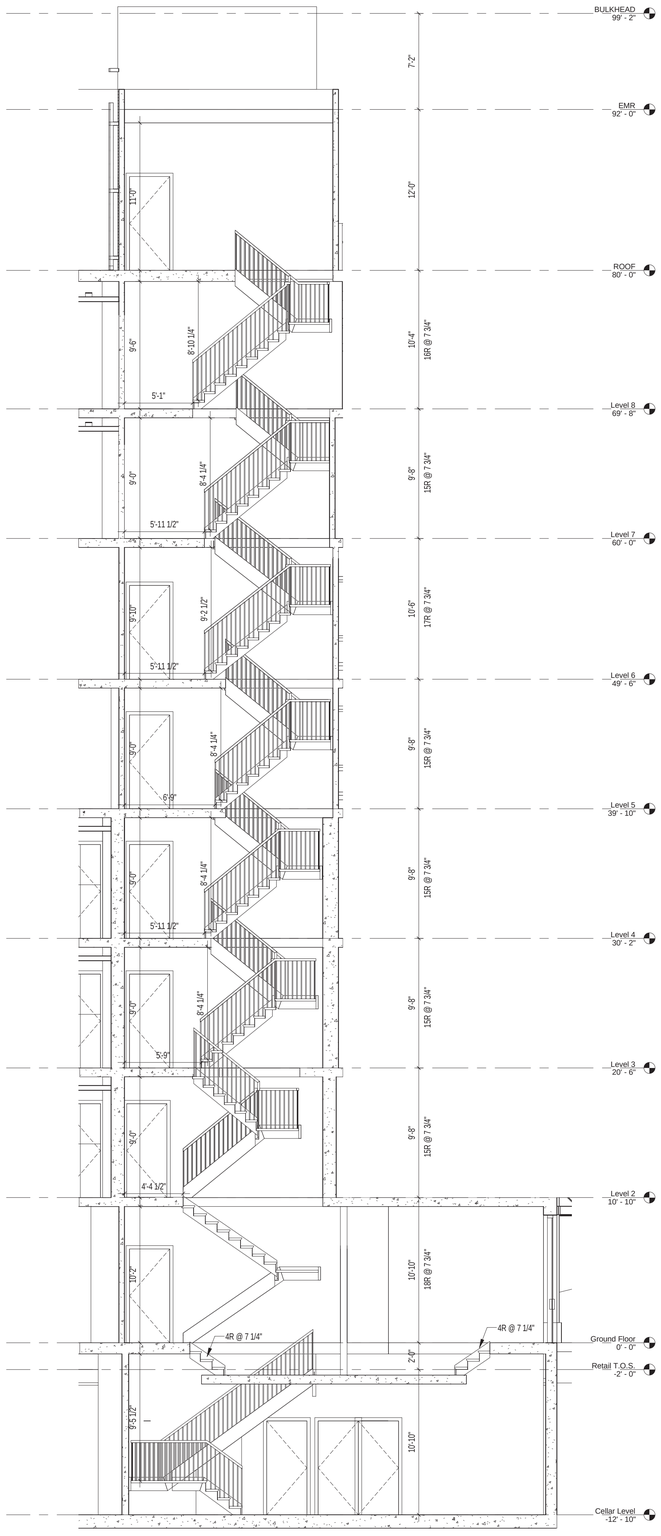
12/19/2014	80% CD

DRAWING TITLE
WALL SECTION AND DETAILS

SEAL & SIGNATURE:

DATE:	12/19/2014
PROJECT No:	14024
DRAWING BY:	J.L.V
CHECKED BY:	JPM
SCALE	AS NOTED
DWG No:	

A224.00



1 Stair "A" Section
3/16" = 1'-0"

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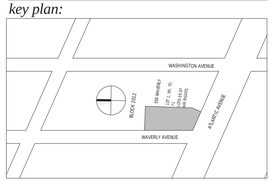
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

STAIR "A" SECTION

SEAL & SIGNATURE

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	12/16/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	3/16" = 1'-0"
DWG No:	A223.00

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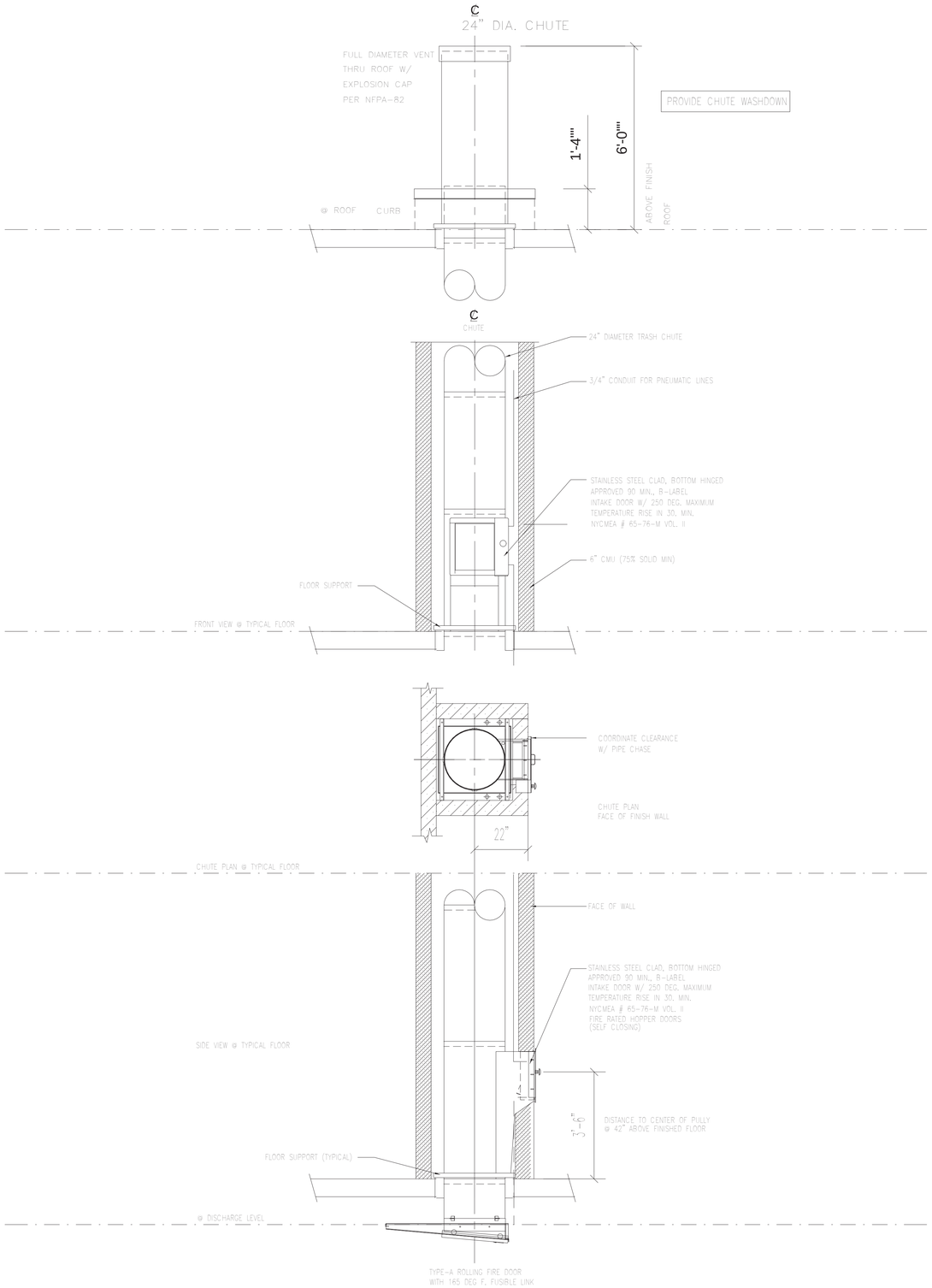


1 Refuse Chute
1/2" = 1'-0"

REFUSE AND RECYCLABLE STORAGE

REFUSE ENCLOSURES-BC 707.13.1
REFUSE CHUTE ENCLOSURES. A SHAFT ENCLOSURE CONTAINING A REFUSE CHUTE SHALL NOT BE USED FOR ANY OTHER PURPOSE AND SHALL HAVE A FIRE-RESISTANCE RATING OF 2 HOURS. OPENINGS INTO THE SHAFT, INCLUDING THOSE FROM ACCESS ROOMS AND TERMINATION ROOMS, SHALL BE PROTECTED IN ACCORDANCE WITH THIS SECTION AND SECTION 715. OPENINGS INTO CHUTES SHALL NOT BE LOCATED IN EXIT ACCESS CORRIDORS. OPENING PROTECTIVES SHALL BE SELF-CLOSING.

BC 707.13.2
A SHAFT ENCLOSURE CONTAINING A REFUSE CHUTE SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS.

2 HR RATED CONCRETE UNIT MASONRY IS USED.

HEIGHT AND SERVICE OPENINGS. REFUSE CHUTES SHALL EXTEND FROM THE REFUSE COLLECTION ROOM TO A HEIGHT OF AT LEAST SIX FEET ABOVE THE ROOF. A SPARK ARRESTER SHALL BE PROVIDED AT THE TOP OF THE CHUTE ABOVE THE ROOF. SERVICE OPENINGS INTO THE CHUTE SHALL BE EQUIPPED WITH APPROVED SELF-CLOSING HOPPERS SO CONSTRUCTED THAT THE CHUTE IS CLOSED OFF WHILE THE HOPPER IS BEING LOADED AND SO THAT NO PART WILL PROJECT INTO THE CHUTE. THE AREA OF SERVICE OPENING SHALL NOT EXCEED ONE THIRD THE AREA OF THE CHUTE. HOPPER DOORS SHALL HAVE A FIRE RESISTIVE RATING OF AT LEAST ONE HOUR, UNLESS SEPARATED FROM THE CORRIDOR BY A FIREPROOF, SELF-CLOSING DOOR IN WHICH CASE THEY SHALL BE CONSTRUCTED OF INCOMBUSTIBLE MATERIAL.

EXISTING FLUES AND REFUSE CHUTES. (NOT APPLICABLE)

REFUSE CHUTES IN NEW CONSTRUCTION. WHERE REFUSE COMPACTING SYSTEMS ARE REQUIRED HEREAFTER IN NEW CONSTRUCTION, REFUSE CHUTES SHALL BE REQUIRED FOR CONVEYANCE OF GARBAGE AND RUBBISH TO REFUSE COLLECTION ROOMS, EXCEPT THAT REFUSE CHUTES WILL NOT BE REQUIRED IN CLASS A MULTIPLE DWELLINGS WHICH ARE FOUR STORIES OR LESS IN HEIGHT. REFUSE CHUTES ERECTED HEREAFTER IN NEW CONSTRUCTION SHALL BE OF A TYPE APPROVED BY THE BOARD OR SHALL COMPLY WITH THE REQUIREMENTS OF SUBDIVISIONS (A) AND (B) OF THIS SECTION. CHUTES SHALL BE CONSTRUCTED STRAIGHT AND PLUMB, WITHOUT PROJECTIONS OF ANY KIND WITHIN THE CHUTE. REFUSE CHUTES SHALL HAVE AN INSIDE DIMENSION OF AT LEAST TWENTY-FOUR INCHES FOR THE FULL HEIGHT OF THE CHUTE. ALL CHUTES SHALL BE SUPPORTED ON FIREPROOF CONSTRUCTION HAVING AT LEAST A THREE HOUR RESISTIVE RATING.

REFUSE COLLECTION ROOMS. A REFUSE COLLECTION ROOM SHALL BE PROVIDED AT THE BOTTOM OF ALL CHUTES AT THE CELLAR OR LOWEST STORY LEVEL TO RECEIVE THE REFUSE. SUCH ROOMS SHALL BE ENCLOSED WITH WALLS AND ROOFS CONSTRUCTED OF MATERIAL HAVING A MINIMUM FIRE RESISTIVE RATING OF THREE HOURS, EXCEPT THAT GYPSUM MASONRY MAY NOT BE USED FOR SUCH ENCLOSURE WALLS. OPENINGS TO SUCH ROOMS SHALL BE PROVIDED WITH FIREPROOF, SELF-CLOSING DOORS HAVING A MINIMUM FIRE RESISTIVE RATING OF ONE AND ONE-HALF HOURS. IT SHALL BE UNLAWFUL TO KEEP SUCH DOORS OPEN. REFUSE CHUTES SHALL EXTEND TO THE UNDERSIDE OF THE ROOF OF THE REFUSE ROOM OR LOWER. ROOFS SHALL BE AT LEAST SIX INCHES AWAY FROM COMBUSTIBLE FLOOR OR WALL CONSTRUCTION. REFUSE ROOMS SHALL BE USED ONLY FOR RECEIPT OF REFUSE AND FOR REFUSE COMPACTING EQUIPMENT. REFUSE ROOMS SHALL BE PROVIDED WITH SUFFICIENT SPRINKLERS TO SPRINKLE ALL PARTS OF THE ROOM, WITH AT LEAST TWO SPRINKLER HEADS PROVIDED AND WITH SPRINKLERS SO SEPARATED AS TO SPRINKLE A MAXIMUM AREA OF THE ROOM WHEN ONE OF THE SPRINKLERS IS BLOCKED OR NOT OPERATING. A HOSE CONNECTION SHALL BE PROVIDED WITHIN THE REFUSE ROOM.

COLLECTION ROOM FLOORS. THE FLOOR WITHIN THE ROOM FOR THE COLLECTION OF REFUSE SHALL BE CONSTRUCTED OF CONCRETE AND SHALL BE SLOPED TO A FLOOR DRAIN WITHIN THE ROOM CONNECTED TO THE HOUSE DRAIN. THE SHALL BE PROVIDED WITH A PROTECTIVE SCREEN TO RETAIN SOLID MATERIAL. FLOOR DRAIN TRAPS SHALL BE READILY ACCESSIBLE FOR CLEANING.

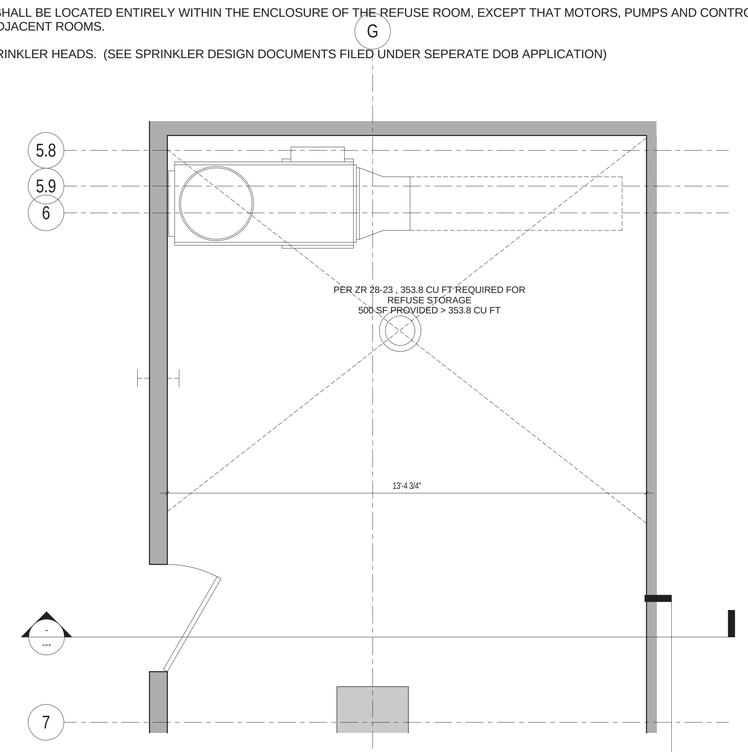
USE OF EXISTING COMBUSTION CHAMBERS. (NOT APPLICABLE)

SPRINKLER OPERATION AND WATER SUPPLY. (SEE SPRINKLER DESIGN DOCUMENTS FILED UNDER SEPERATE DOB APPLICATION.

HOPPERS, CUT OFF DOORS AND COMPACTORS. A HOPPER AND CUT OFF DOOR SHALL BE PROVIDED AT THE BOTTOM OF THE REFUSE CHUTE TO REGULATE AND GUIDE THE FLOW OF REFUSE INTO CONTAINERS. WHERE COMPACTORS ARE INSTALLED SO THAT THE REFUSE FLOWS DIRECTLY INTO THE COMPACTING EQUIPMENT, THE EQUIPMENT MAY BE USED IN PLACE OF THE HOPPER AND CUT OFF DOOR. COMPACTING EQUIPMENT SHALL BE ARRANGED TO OPERATE AUTOMATICALLY WHEN THE LEVEL OF RUBBISH IS NOT HIGHER THAN THREE FEET BELOW THE LOWEST DOOR.

COMPACTORS SHALL BE LOCATED ENTIRELY WITHIN THE ENCLOSURE OF THE REFUSE ROOM, EXCEPT THAT MOTORS, PUMPS AND CONTROLS MAY BE INSTALLED IN ADJACENT ROOMS.

NUMBER OF SPRINKLER HEADS. (SEE SPRINKLER DESIGN DOCUMENTS FILED UNDER SEPERATE DOB APPLICATION)



2 Refuse Compactor
1/2" = 1'-0"

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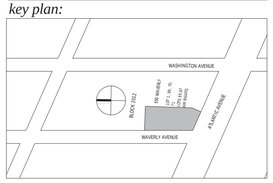
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
REFUSE CHUTE

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/2" = 1'-0"
DWG No:	A300.00

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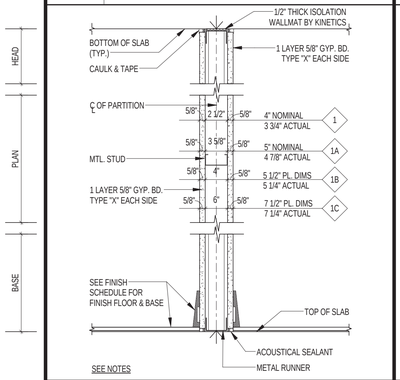
1 — 1 HR, 38 STC - UL# U404 INTERIOR PARTITION



GENERAL NOTES FOR WALL TYPE 1:
- INTERIOR PARTITIONS ONLY
- STUDS SPACED @ 12" O.C. AT KITCHEN CABINETS & ELECTRICAL PANELS

1 — PARTITIONS TO BE AS FOLLOWS: (1) LAYER OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF 2 1/2" MTL. STUDS @ 24" O.C. [MAX. HEIGHT 10'-6"]

ABOVE 10'-6", SPACE STUDS @ 16" O.C. [MAX. HEIGHT 12'-0"] ABOVE 12'-0", USE WALL TYPE 1A

1A — PARTITION TO BE AS FOLLOWS: (1) LAYER OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF 3 5/8" MTL. STUDS @ 16" O.C. [MAX. HEIGHT 14'-0"]

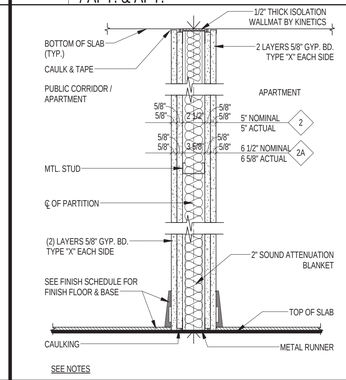
ABOVE 14'-0", USE WALL TYPE 1B

1B — PARTITION TO BE AS FOLLOWS: (1) LAYER OF 5/8" GYP. BD. ON EACH SIDE OF 4" METAL STUDS @ 24" O.C. [MAX. HEIGHT 16'-5"]

ABOVE 16'-5", USE WALL TYPE 1C

1C — PARTITION TO BE AS FOLLOWS: (1) LAYER OF 5/8" GYP. BD. ON EACH SIDE OF 6" METAL STUDS @ 24" O.C. (TYPICAL PARTITION @ KITCHEN PLUMBING AND BATHROOM NICHE WALL) [MAX. HEIGHT 21'-7"]

2 — 2 HR, 56 STC - UL# U419 PARTITION BETWEEN CORRIDOR & APT. / APT. & APT.



GENERAL NOTES FOR WALL TYPE 2:
- PARTITIONS BETWEEN PUBLIC HALLS/ APARTMENTS & APARTMENTS
- STUDS SPACED @ 12" O.C. AT KITCHEN CABINETS & ELECTRICAL PANELS
- MULTIPLE LAYERS OF DRYWALL SHALL BE APPLIED WITH JOINTS STAGGERED AT LEAST 16" RELATIVE TO ONE ANOTHER

2 — PARTITION TO BE AS FOLLOWS: (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF 20 GAUGE 2 1/2" METAL STUDS @ 16" O.C. WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS. [MAX. HEIGHT 12'-0"]

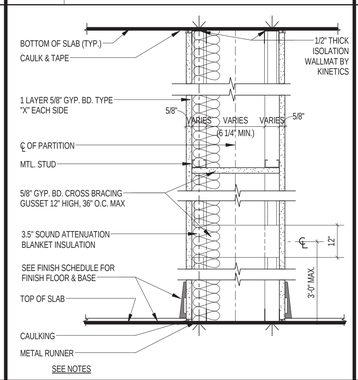
ABOVE 12'-0", USE WALL TYPE 2A

2A — PARTITION TO BE AS FOLLOWS: (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF 20 GAUGE 3 5/8" METAL STUDS @ 16" O.C. WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS. [MAX. HEIGHT 16'-0"]

ABOVE 16'-0", USE WALL TYPE 2B

2B — PARTITION TO BE AS FOLLOWS: (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF 20 GAUGE 3 5/8" METAL STUDS @ 12" O.C. WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS. [MAX. HEIGHT 17'-7"]

3 — 1 HR, 50-54 STC - UL# U420 PIPE CHASE WITHIN APARTMENT



GENERAL NOTES FOR WALL TYPE 3 (PIPE CHASE):
- PIPE CHASES WITHIN APARTMENTS ONLY
- ALL METAL STUDS TO BE STAGGERED FROM OPPOSITE SIDE

3 — PIPE CHASE TO BE AS FOLLOWS: 1 LAYER OF 5/8" GYP. BD. ON 1 5/8" METAL STUDS @ 24" O.C. AND 1 LAYER OF 5/8" GYP. BD. ON 1 5/8" METAL STUDS @ 24" O.C. OPPOSITE SIDE.

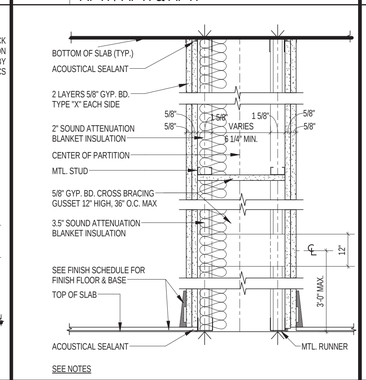
NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 11'-6" SPACE MTL STUDS @ 16" O.C. AT HEIGHTS GREATER THAN 13'-3" USE PARTITION TYPE 3A

3A — PIPE CHASE TO BE AS FOLLOWS: 1 LAYER OF 5/8" GYP. BD. ON 2 1/2" METAL STUDS @ 24" O.C. AND 1 LAYER OF 5/8" GYP. BD. ON 2 1/2" METAL STUDS @ 24" O.C. OPPOSITE SIDE.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 15'-6" SPACE MTL STUDS @ 16" O.C. (MAX HT. 17'-6")

3B — AT POCKET DOOR LOCATIONS- PARTITION AS FOLLOWS: SAME AS TYPE 3 – OMIT GUSSETS, BRACE STUDS AS REQUIRED

4 — 2 HR, 55-59 STC - UL# U420 PIPE CHASE BETWEEN PUBLIC HALL & APT. / APT. & APT.



PIPE CHASE TO BE AS FOLLOWS:

NOTE: PIPE CHASES BETWEEN APARTMENTS & PUBLIC HALLS/ APARTMENTS ONLY. (ALL METAL STUDS TO BE STAGGERED FROM OPPOSITE SIDE)

MULTIPLE LAYERS OF DRYWALL SHALL BE APPLIED WITH JOINTS STAGGERED AT LEAST 16" RELATIVE TO ONE ANOTHER

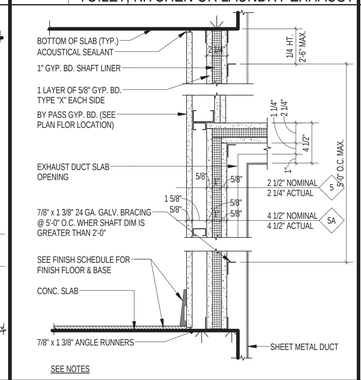
4 — PIPE CHASE TO BE AS FOLLOWS: 2 LAYERS OF 5/8" GYP. BD. ON 1 5/8" METAL STUDS @ 24" O.C. AND 2 LAYERS OF 5/8" GYP. BD. ON 1 5/8" METAL STUDS @ 24" O.C. OPPOSITE SIDE.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 12'-6" SPACE MTL STUDS @ 16" O.C. AT HEIGHTS GREATER THAN 14'-6" USE PARTITION TYPE 4A

4A — PIPE CHASE TO BE AS FOLLOWS: 2 LAYER OF 5/8" GYP. BD. ON 2 1/2" METAL STUDS @ 24" O.C. AND 2 LAYER OF 5/8" GYP. BD. ON 2 1/2" METAL STUDS @ 24" O.C. OPPOSITE SIDE.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 16'-0" SPACE MTL STUDS @ 16" O.C. (MAX HT 19'-0")

5 — 2 HR.- UL #415 SOLID SHAFTWALL W/ METAL DUCT, TOILET, KITCHEN OR LAUNDRY EXHAUST



SHAFT WALL TO BE AS FOLLOWS:

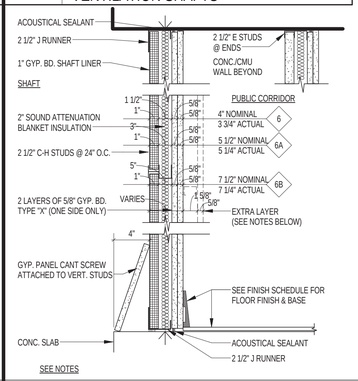
5 — (1) LAYER OF 5/8" GYP. BD. TYPE "X" LAMINATED ON EACH SIDE OF 1" GYP. BD. LINER PANEL

ABOVE 10'-0", USE PARTITION TYPE 5A

5A — (1) LAYER OF 5/8" GYP. BD. TYPE "X" LAMINATED ON EACH SIDE OF 1" GYP. BD. LINER PANEL W/ 5/8" GYP. BD. ON 1 5/8" METAL STUDS @ EXTERIOR FACE OF SHAFT

NOTE:
SOLID SHAFT WALL WITH METAL DUCT TYPICAL.
[MAX. HEIGHT OF 10'-0"]

6 — 2 HR. 50 STC - UL#415 CAVITY SHAFTWALL @ ELEVATORS & VENTILATION SHAFTS



SHAFT WALL TO BE AS FOLLOWS:

6 — (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE & 1" GYP. BD. LINER PANEL OF SHAFT SIDE ON 2 1/2" C-H METAL STUDS @ 24" O.C. WITH 2" SOUND ATTENUATION BLANKET. OMIT SOUND INSULATION @ DUCT SHAFTS & ELEC. RISER SHAFTS. [MAX. HEIGHT 10'-5" BASED ON 7.5 PSF WIND LOAD]

ABOVE 10'-5" CEILING HEIGHT, USE PARTITION TYPE 6A

6A — (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE & 1" GYP. BD. LINER PANEL OF SHAFT SIDE ON 4" C-H METAL STUDS @ 24" O.C. WITH 2" SOUND ATTENUATION BLANKET. OMIT SOUND INSULATION @ DUCT SHAFTS & ELEC. RISER SHAFTS.

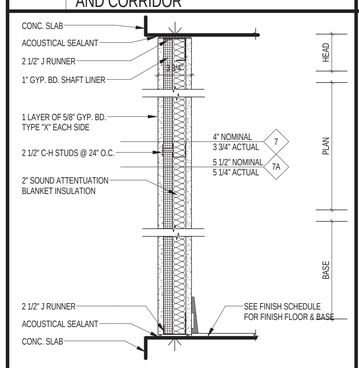
6B — (2) LAYERS OF 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE & 1" GYP. BD. LINER PANEL ON SHAFT SIDE OF 12 GAGE 6" C-H METAL STUDS @ 12" O.C. WITH 2" SOUND ATTENUATION BLANKET INSULATION. MAX HT 21'-11" BASED ON 7.5 PSF WIND LOAD.
NOTE:

1) GYPSUM PANEL CAN'T BE ATTACHED BY SCREWS TO VERT. STUDS TYPICAL

2) PROVIDE EXTRA LAYER OF 5/8" GWB ON 1 5/8 METAL STUDS @ 24" O.C. @ ELEVATOR ALCOVE WHEN ELECTRICAL BOXES ARE NEEDED

3) MULTIPLE LAYERS OF DRYWALL SHALL BE APPLIED WITH JOINTS STAGGERED AT LEAST 16" RELATIVE TO ONE ANOTHER

7 — 2 HR. 39 STC - UL#415 CAVITY SHAFTWALL BETWEEN STAIR AND CORRIDOR



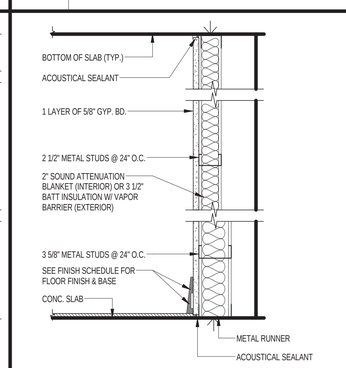
NOTE:
SHAFT WALL BETWEEN STAIRS AND CORRIDORS TYPICAL.

PROVIDE EXTRA LAYER OF 5/8" GWB ON 1 5/8 METAL STUDS @ 24" O.C. @ ELEVATOR ALCOVE WHEN ELECTRICAL BOXES ARE NEEDED (SEE INTERIOR DESIGN DWGS.)

7 — SHAFT WALL TO BE AS FOLLOWS: 1 LAYERS OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF A 2 1/2" C-H METAL STUDS @ 24" O.C. WITH 1" GYP. BD. LINER PANEL AND 2" SOUND ATTENUATION BLANKET INSULATION. MAX HT 15'-3" BASED ON 5 PSF EIND LOAD.

7A — SHAFT WALL TO BE AS FOLLOWS: 1 LAYERS OF 5/8" GYP. BD. TYPE "X" ON EACH SIDE OF A 4" C-H METAL STUDS @ 24" O.C. WITH 1" GYP. BD. LINER PANEL AND 2" SOUND ATTENUATION BLANKET INSULATION. MAX HT 18'-2" BASED ON 5 PSF WIND LOAD.

8 — INTERIOR / EXTERIOR FREE STANDING WALL FURRING



FURRING TO BE AS FOLLOWS:

8 — (1) LAYER OF 5/8" GYP. BD. OVER 2 1/2" METAL STUDS @ 24" O.C.

8A — (2) LAYERS OF 5/8" GYP. BD. OVER 2 1/2" METAL STUDS @ 24" O.C.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 11'-6" SPACE MTL. STUDS @ 16" O.C.; AT HEIGHTS GREATER THAN 13'-0" USE PARTITION TYPE 9B OR 7C

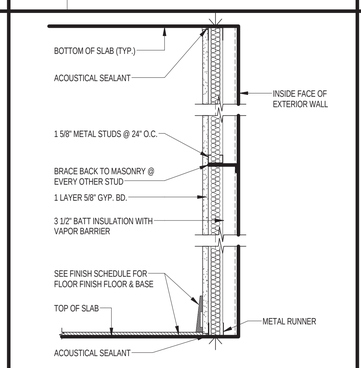
8B — (1) LAYER OF 5/8" GYP. BD. OVER 3 5/8" METAL STUDS @ 24" O.C.

8C — (2) LAYERS OF 5/8" GYP. BD. OVER 3 5/8" METAL STUDS @ 24" O.C.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 15'-0" SPACE MTL. STUDS @ 16" O.C. [MAX. HEIGHT 17'-3"]

NOTES:
- PROVIDE 20 GAUGE METAL STUDS @ GROUND FLOOR ONLY WHERE FLOOR TO CEILING HEIGHTS EXCEED 10'-0"
- FREE STANDING, NOT BACK BRACED
- AT INTERIOR DEMISING PARTITION LOCATIONS, PROVIDE 2" SOUND ATTENUATION BLANKET; AT EXTERIOR WALL LOCATIONS, PROVIDE 3 1/2" BATT INSULATION WITH VAPOR BARRIOR, UNLESS OTHERWISE NOTED.
- AT DEMISING PARTITION, PROVIDE (1) EXTRA LAYER OF SHEETROCK TO MAINTAIN FIRE & SOUND RATING

9 — FURRING AT EXTERIOR WALL



FURRING TO BE AS FOLLOWS:

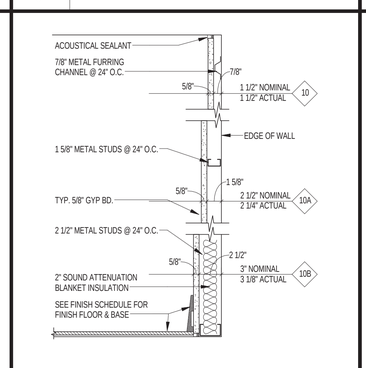
9 — (1) LAYER OF 5/8" GYP. BD. TYPE "X" OVER 1 5/8" METAL STUDS @ 24" O.C. [PROVIDE 3 1/2" BATT INSULATION WITH VAPOR BARRIER] [MAX. HEIGHT 10'-0"]

9A — (1) LAYER OF 5/8" GYP. BD. TYPE "X" OVER 2 1/2" METAL STUDS @ 24" O.C. [PROVIDE 3 1/2" BATT INSULATION WITH VAPOR BARRIER] [MAX. HEIGHT 13'-0"]

9B — (1) LAYER OF 5/8" GYP. BD. TYPE "X" OVER 3 5/8" METAL STUDS AT 24" O.C. [PROVIDE 3 1/2" BATT INSULATION WITH VAPOR BARRIER] [MAX. HEIGHT 17'-0"]

NOTES:
- PROVIDE 20 GAUGE METAL STUDS @ GROUND FLOOR ONLY WHERE FLOOR TO CEILING HEIGHTS EXCEED 10'-0"
- ALL STUDS SHALL BE FLUSH AGAINST WALL OR BACK BRACED EVERY 48" O.C. VERTICALLY TO OBTAIN HEIGHT LIMITATIONS
- AT DEMISING PARTITIONS PROVIDE (1) EXTRA LAYER OF SHEETROCK, TO MAINTAIN REQUIRED FIRE & SOUND RATING

10 — INTERIOR FURRING



INTERIOR FURRING TO BE AS FOLLOWS:

10 — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 7/8" METAL FURRING CHANNEL @ 24" O.C. OVER CONCRETE OR C.M.U. WALLS.

10A — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 1 5/8" METAL STUDS @ 24" O.C. BACK BRACED EVERY OTHER STUD OVER CONCRETE OR C.M.U. WALL.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 9'-8" SPACE MTL STUDS @ 16" O.C. AT HEIGHTS GREATER THAN 11'-0" USE PARTITION TYPE 9B

10B — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 2 1/2" METAL STUDS @ 24" O.C. BACK BRACED EVERY OTHER STUD OVER CONCRETE OR C.M.U. WALL WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS.

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 13'-9" SPACE MTL STUDS @ 16" O.C. AT HEIGHTS GREATER THAN 17'-2" USE PARTITION TYPE 9D

10C — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 2 1/2" METAL STUDS @ 24" O.C. BACK BRACED EVERY OTHER STUD OVER CONCRETE OR C.M.U. WALL WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS

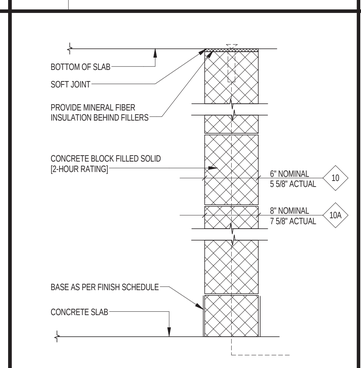
10D — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 3 5/8" METAL STUDS @ 24" O.C. BACK BRACED EVERY OTHER STUD OVER CONCRETE OR C.M.U. WALL

NOTE: AT FLOOR TO CEILING HEIGHTS GREATER THAN 20'-0" SPACE MTL STUDS @ 16" O.C. AT HEIGHTS GREATER THAN 23'-0" PARTITION TYPE NOT TO BE USED

10E — INTERIOR FURRING: 5/8" GYP. BD. TYPE "X" OVER 3 5/8" METAL STUDS @ 24" O.C. BACK BRACED EVERY OTHER STUD OVER CONCRETE OR C.M.U. WALL WITH 2" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS

NOTES:
- PROVIDE 20 GAUGE METAL STUDS @ GROUND FLOOR ONLY WHERE FLOOR TO CEILING HEIGHTS EXCEED 10'-0"
- ALL STUDS SHALL BE FLUSH AGAINST WALL OR BACK BRACED EVERY 48" O.C. VERTICALLY TO OBTAIN HEIGHT LIMITATIONS
- AT DEMISING PARTITIONS PROVIDE (1) EXTRA LAYER OF SHEETROCK, TO MAINTAIN REQUIRED FIRE & SOUND RATING

11 — 2 HR 39 STC - BSA #301-60SM CONC. BLOCK PART



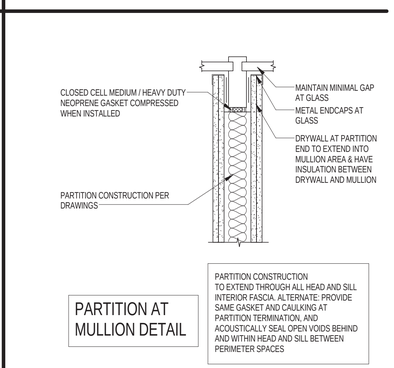
CMU WALL TO BE AS FOLLOWS:

11 — 6" CONCRETE BLOCK

11A — 8" CONCRETE BLOCK

NOTES:
- SEE STRUCTURAL DRAWINGS FOR REBAR SIZE, SPACING AND CMU HEIGHT RESTRICTIONS
- REINFORCED MASONRY SUBJECT TO CONTROLLED INSPECTION

CONTRACTOR TO SUBMIT FIRE RESISTANCE RATING OF CMU FROM MANUFACTURER



PARTITION AT MULLION DETAIL

PARTITION CONSTRUCTION TO EXTEND THROUGH ALL HEAD AND SILL INTERIOR FASCIA. ALTERNATE: PROVIDE SAME GASKET AND CAULKING AT PARTITION TERMINATION, AND ACOUSTICALLY SEAL OPEN VOIDS BEHIND AND WITHIN HEAD AND SILL BETWEEN PERIMETER SPACES

ALL STEEL STUDS AND RUNNERS TO BE 20 GAUGE UNLESS OTHERWISE NOTED.

GENERAL NOTES:

- OUTSIDE LAYER OF GYP. BD. FACING BATHROOM OR POWDER ROOMS TO BE WATER RESISTANT GYPSUM BOARD. PROVIDE CEMENT BOARD AT TUB AND SHOWER SURROUNDS.
- PROVIDE METAL BACKING BEHIND GYP. BD. FOR ALL KITCHEN CABINET INSTALLATION & FUTURE HANDICAPPED BARS IN ALL BATHROOMS.
- ALL UL NUMBERS LISTED ARE BASED ON USG PRODUCTS. EQUIVALENT UL NUMBERS FOR OTHER SPECIFIED MANUFACTURER'S PRODUCTS, AS LISTED IN SPECIFICATIONS, ARE ACCEPTABLE. CM AND/OR CONTRACTOR SHALL SUBMIT BSA NUMBERS FOR OTHER MANUFACTURES.
- ALL 5/8" TYPE "X" SHEETROCK IS BASED ON USG FIRECODE "C" MEETING THE REQUIREMENTS OF ASTM C36. EQUIVALENT FIRERATED SHEETROCK FOR OTHER SPECIFIED MANUFACTURE'S, AS LISTED IN SPECIFICATIONS, ARE ACCEPTABLE.

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

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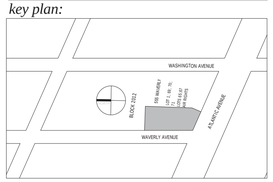
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

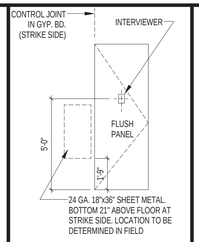
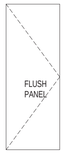
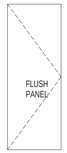
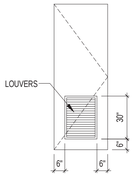
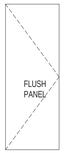
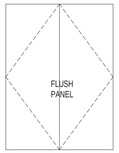
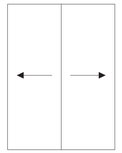
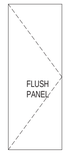
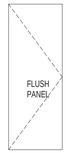
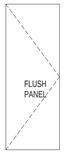
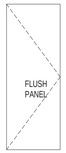
02/27/2015	100% SCOPE FOR BID

issued:

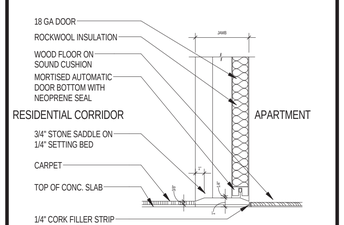
DRAWING TITLE
PARTITION TYPES

SEAL & SIGNATURE: REGISTERED ARCHITECT HENRY THOMAS O'H... JR. 025215 STATE OF NEW YORK

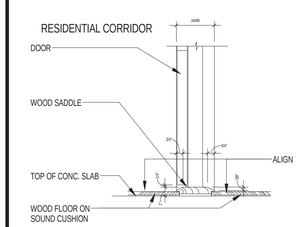
DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jorn
SCALE:	1 1/2" = 1'-0"
DWG No:	A301.00

TYPE												
SIZE	A 3'-0" x 7'-0" x 1 3/4"	B 3'-0" x 7'-0" x 1 3/4"	C 3'-0" x 7'-0" x 1 3/4"	D1 2'-4" x 7'-0" x 1 3/4" D2 2'-6" x 7'-0" x 1 3/4" D3 3'-0" x 7'-0" x 1 3/4"	E1 2'-0" x 7'-0" x 1 3/4" E2 2'-6" x 7'-0" x 1 3/4" E3 3'-0" x 7'-0" x 1 3/4" E4 3'-0" x 7'-0" x 1 3/4" (Pocket Door)	F1 3'-0" x 7'-0" x 1 3/4" F2 3'-4" x 7'-0" x 1 3/4" F3 3'-8" x 7'-0" x 1 3/4" F4 4'-0" x 7'-0" x 1 3/4" F5 5'-0" x 7'-0" x 1 3/4" F6 6'-0" x 7'-0" x 1 3/4"	G SEE ELEVATOR DRAWINGS	H1 3'-0" x 7'-0" x 1 3/4" H2 4'-0" x 7'-0" x 1 3/4"	J 3'-0" x 7'-0" x 1 3/4"	K 3'-0" x 7'-0" x 1 3/4"	L 3'-0" x 7'-0" x 1 3/4"	M 3'-0" x 7'-0" x 1 3/4"
LOCATION	APARTMENT ENTRY	BEDROOMS	BATHROOMS	LAUNDRY CLOSET	APARTMENT CLOSET	APARTMENT CLOSET	ELEVATOR	EGRESS STAIR DOOR	ELECTRICAL CLOSET IN CORRIDOR	MECHANICAL ROOMS/STORAGE	AMENITY SPACES	REFUSE CHUTE CLOSET
MATERIAL	HOLLOW METAL	SOLID CORE WOOD	SOLID CORE WOOD	SOLID CORE WOOD WITH LOUVERED PANELS	SOLID CORE WOOD	SOLID CORE WOOD	BY OTHERS	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL & FIRE-RATED GLASS	HOLLOW METAL
SADDLE	STONE	WOOD	STONE	STONE	WOOD	WOOD	BY OTHERS	STONE	STONE	STONE	ALUMINUM	STONE
BUCK	WELDED HOLLOW METAL	HOLLOW METAL KNOCK-DOWN FRAME	HOLLOW METAL KNOCK-DOWN FRAME	HOLLOW METAL KNOCK-DOWN FRAME	HOLLOW METAL KNOCK-DOWN FRAME	HOLLOW METAL KNOCK-DOWN FRAME	BY OTHERS	WELDED HOLLOW METAL	WELDED HOLLOW METAL	WELDED HOLLOW METAL	WELDED HOLLOW METAL	WELDED HOLLOW METAL
REMARKS	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST 35 STC RATING	UNDERCUT DOOR ABOVE FINISHED FLOOR. PROVIDE BUCK TO ALLOW ALTERNATE SWING OF DOOR WHERE INDICATED ON PLANS.	PROVIDE BUCK TO ALLOW ALTERNATE SWING OF DOOR WHERE INDICATED ON PLANS.	--	--	--	--	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST WITH 90 MIN RATED GLASS BY: TGP TYPE: FIRE-LITE+ (5/16" THICK)	FLUSH PANEL F.P.S.C. 1 1/2 HOUR TEST
HARDWARE SET	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	BY OTHERS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS	REFER TO SPECIFICATIONS FOR HARDWARE SETS

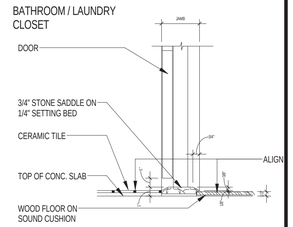
SADDLE / THRESHOLD DETAILS



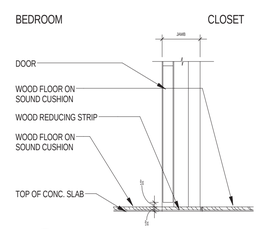
1 APARTMENT ENTRANCE



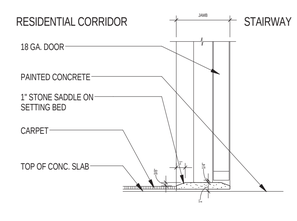
2 BEDROOM



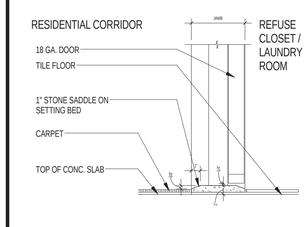
3 BATHROOM / LAUNDRY CLOSETS



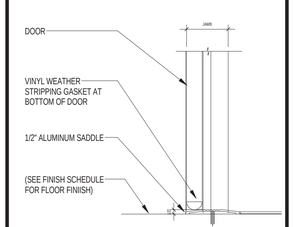
4 CLOSETS



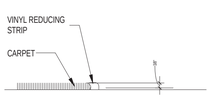
5 RESIDENTIAL CORRIDOR / STAIRWAY



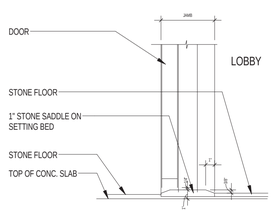
6 RESIDENTIAL CORRIDOR / LAUNDRY ROOM & REFUSE CLOSET



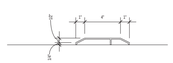
7 SERVICE CORRIDOR / MECHANICAL EQUIPMENT / STORAGE



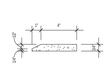
8 REDUCING STRIP



9 MISC. ROOMS AT LOBBY



10 ADA SADDLE DETAIL



11 ELEVATOR SADDLE

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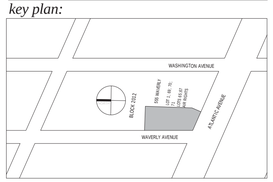
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

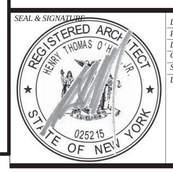
revisions:

issued:

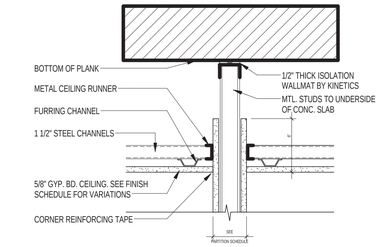
02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
DOOR SCHEDULE

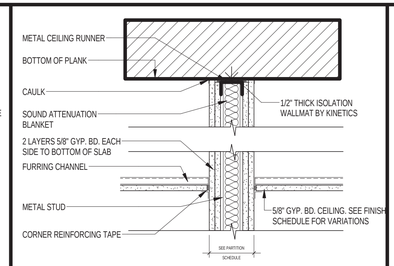
SEAL & SIGNATURE



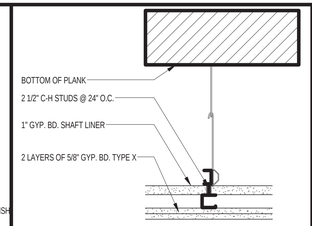
DATE:	12/16/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1 1/2" = 1'-0"
DWG No:	A303.00



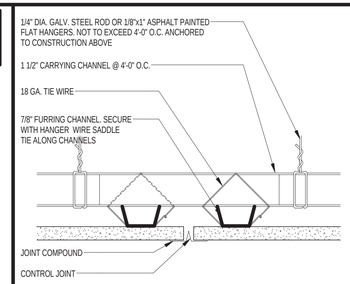
1 HUNG CEILING AT NON-INSULATED PARTITIONS WITHIN APARTMENTS



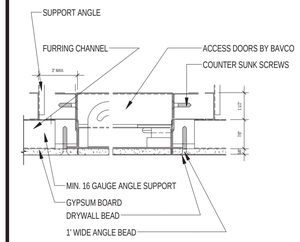
2 HUNG CEILING AT PARTITION BETWEEN APTS. & BETWEEN APTS. & CORRIDOR



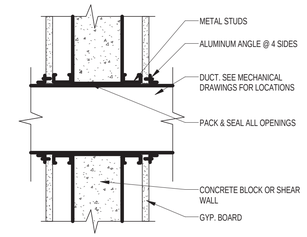
3 2 HOUR GYP. BD. CEILING



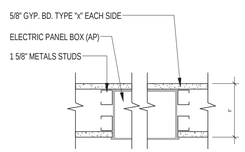
4 SUSPENDED GYP. BD. CEILING



5 SECTION THROUGH CEILING ACCESS DOOR

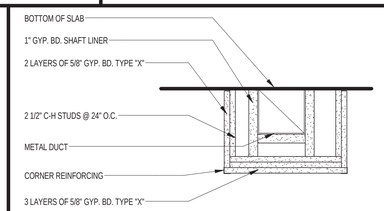


6 HORIZONTAL DUCT PENETRATIONS



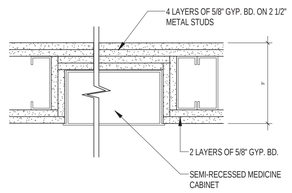
NOTE: SEE PLANS FOR LOCATIONS

7 RECESSED ELECTRICAL PANEL BOX

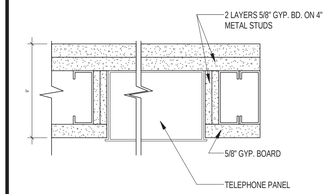


2HR RATED BSA CAL# 227-83-SM. PROVIDE BSA FIRE DAMPERS WHERE ENTERING SHAFTS OR THROUGH FIRE RATED CONSTRUCTION

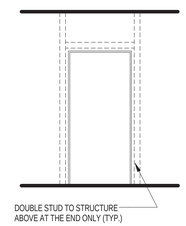
8 DUCT FIREPROOFING AT HORIZONTAL OFFSET



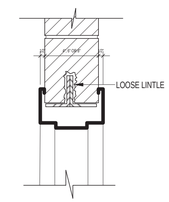
9 DEMISING PARTITION AT RECESSED MEDICINE CABINET



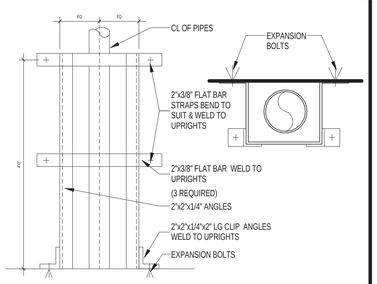
10 RECESSED TELEPHONE PANEL



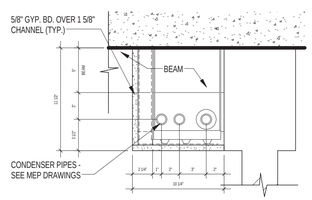
11 TYPICAL FRAMING DETAIL AT DOORS



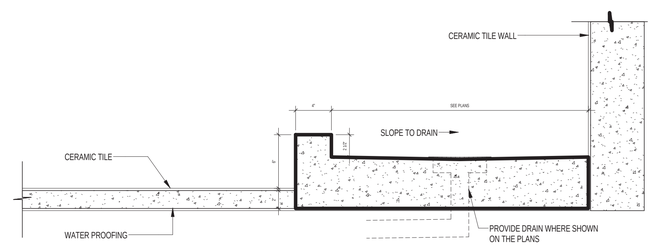
12 CONCRETE BLOCK PARTITION



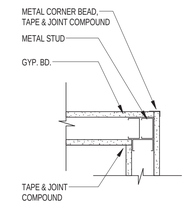
13 PIPE GUARDS AT WALLS & COLUMNS



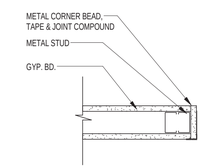
14 MEP SOFFIT DETAIL



15 DETAIL AT COMMON LAUNDRY WATERPROOFING



16 PARTITION CORNER



17 PARTITION TERMINAL

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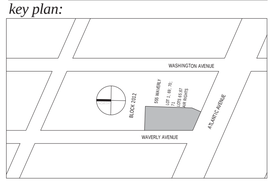
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

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DRAWING TITLE

MISC DETAILS

SEAL & SIGNATURE:

DATE:	12/16/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1 1/2" = 1'-0"
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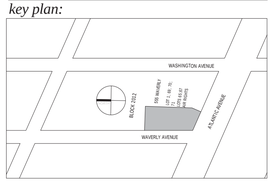

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revisions:

issued:

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DRAWING TITLE

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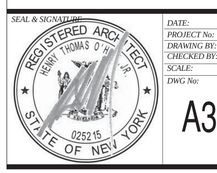

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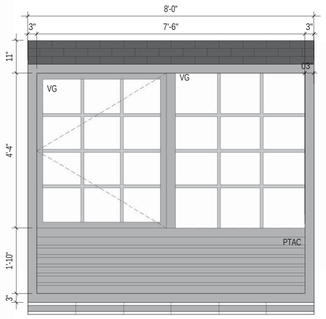
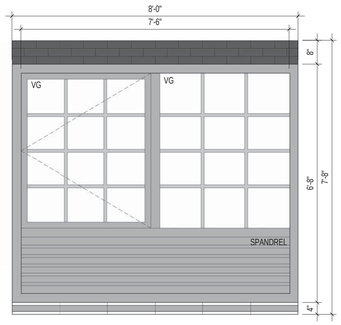
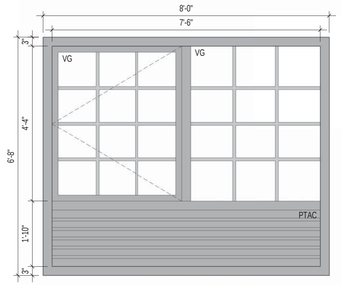


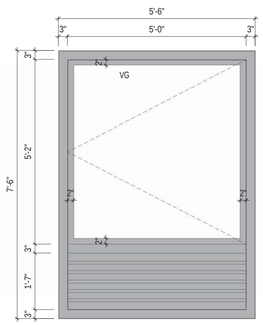
W 1 RESIDENTIAL OITC 35



W 3 RESIDENTIAL OITC 35



W 4 RESIDENTIAL OITC 35



W 5 RESIDENTIAL OITC 35

VG = CLEAR VISIONGLASS
STEEL FROAME WITH 1/4" WIRCON EXTERIOR LITE (LOW-E COATING ON THE 2ND SURFACE) WITH 1/2" SPACE AND 1/4" INTERIOR LITE.

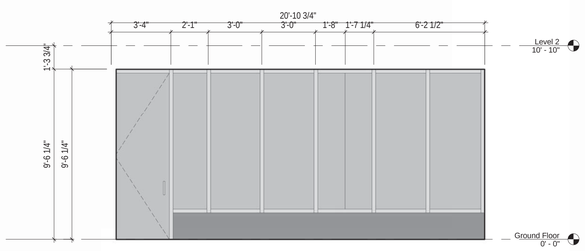
NOTE:
1. REFER TO FLOOR PLANS FOR WINDOW OPERATION.

2. THE U-VALUE FOR ALL GLASS IS 450

3. NOT TO SCALE

4. PER 1008.4 ALL DOORS MUST COMPLY WITH BC 1008.4.1 ENTRANCE DOORS

5. ALL RESIDENTAL GLAZING TO MEET MIN. OITC RATING OF 35.

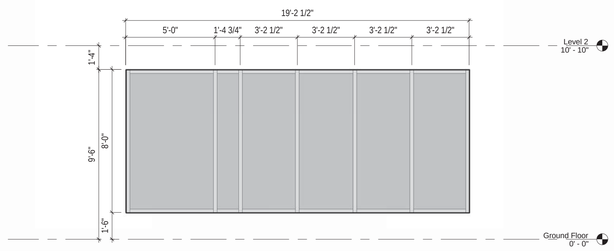


1 CURTAIN WALL 1
1/4" = 1'-0"

RESIDENTIAL OITC 35

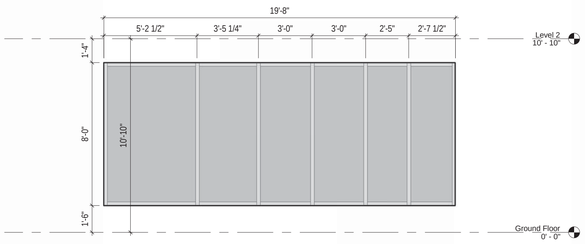
2 CURTAIN WALL 2
1/4" = 1'-0"

RESIDENTIAL OITC 35



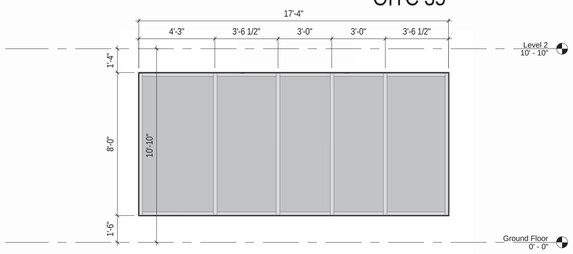
3 CURTAIN WALL 3
1/4" = 1'-0"

RESIDENTIAL OITC 35



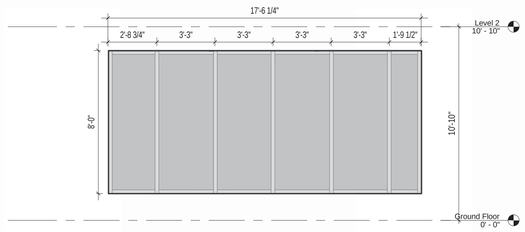
4 CURTAIN WALL 4
1/4" = 1'-0"

RESIDENTIAL OITC 35



5 CURTAIN WALL 5
1/4" = 1'-0"

RESIDENTIAL OITC 35



6 CURTAIN WALL 6
1/4" = 1'-0"

RESIDENTIAL OITC 35

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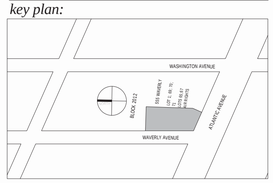

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NEW YORK, NY 11238

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DRAWING TITLE

WINDOW SCHEDULE

SEAL & SIGNATURE:

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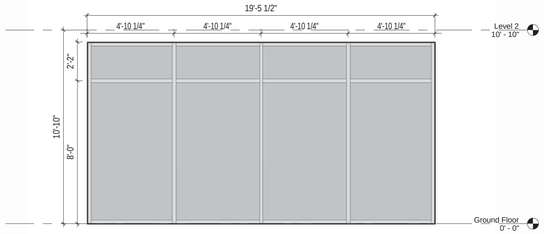
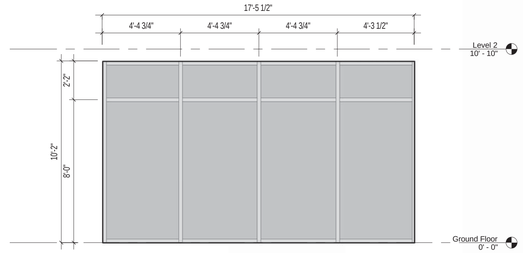
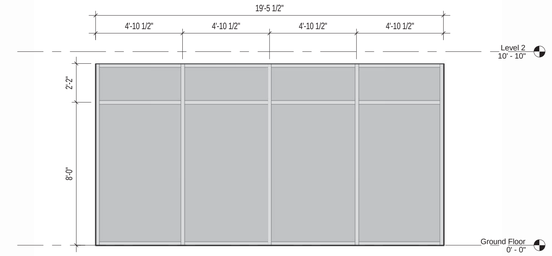
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As Indicated
DWG No:	A306.00



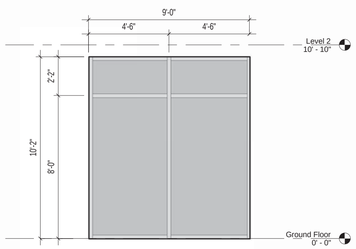
1 CURTAIN WALL 7
1/4" = 1'-0"
COMMERCIAL
OITC 35



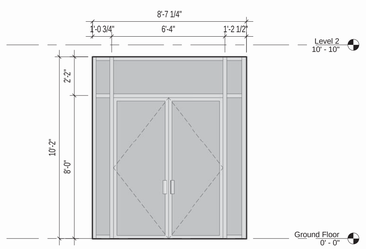
2 CURTAIN WALL 8
1/4" = 1'-0"
COMMERCIAL
OITC 35



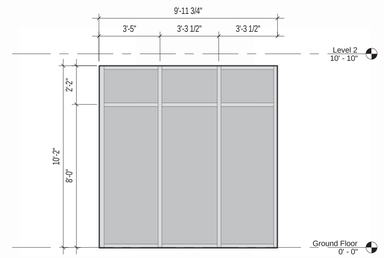
3 CURTAIN WALL 9
1/4" = 1'-0"
COMMERCIAL
OITC 35



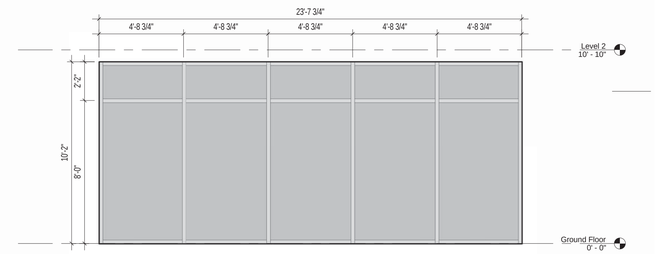
4 CURTAIN WALL10
1/4" = 1'-0"
COMMERCIAL
OITC 35



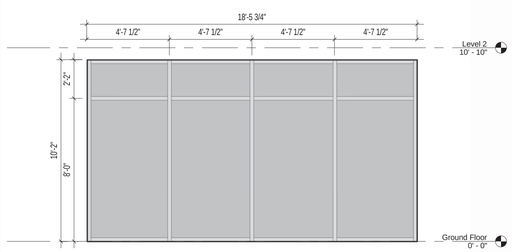
5 CURTAIN WALL11
1/4" = 1'-0"
COMMERCIAL
OITC 35



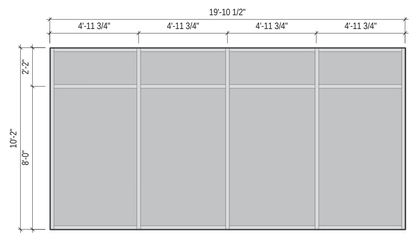
6 CURTAIN WALL 12
1/4" = 1'-0"
COMMERCIAL
OITC 35



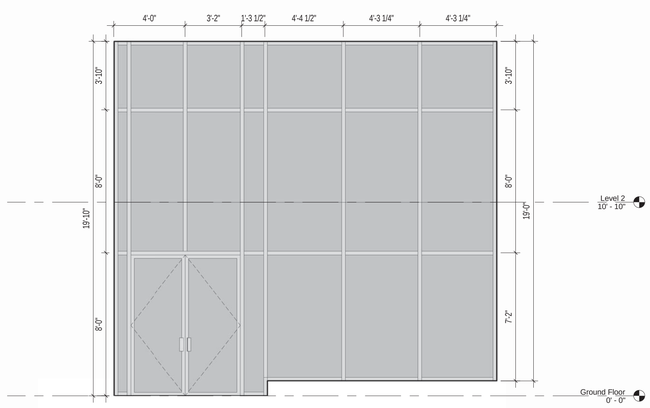
7 CURTAIN WALL 13
1/4" = 1'-0"
COMMERCIAL
OITC 35



8 CURTAIN WALL 14
1/4" = 1'-0"
COMMERCIAL
OITC 35



9 CURTAIN WALL 15
1/4" = 1'-0"
COMMERCIAL
OITC 35



10 CURTAIN WALL 16
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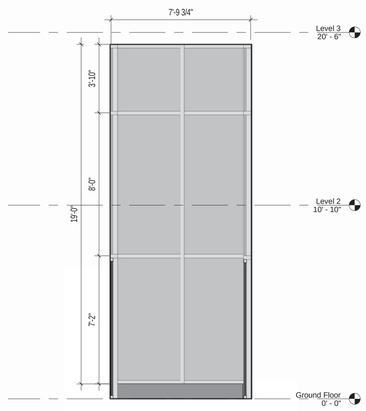
COMMERCIAL
OITC 35



14 CURTAIN WALL 19
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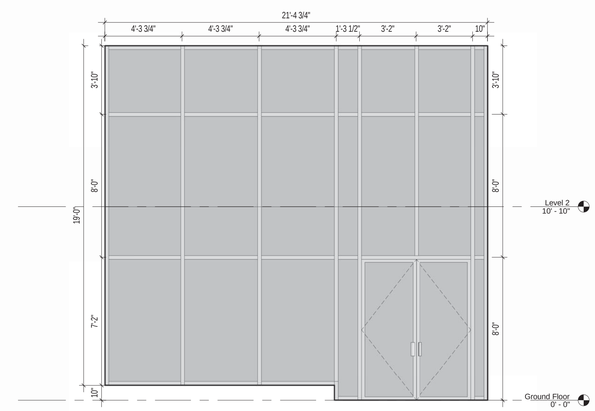
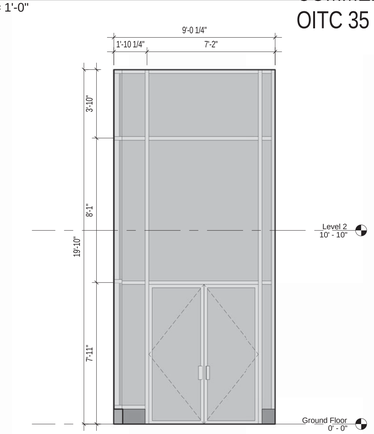
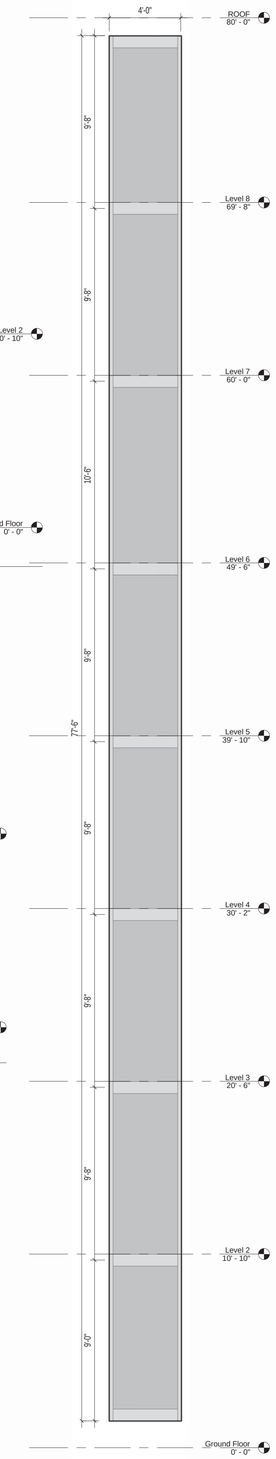
COMMERCIAL
OITC 35



11 CURTAIN WALL 17
1/4" = 1'-0"
COMMERCIAL
OITC 35



13 CURTAIN WALL 20
1/4" = 1'-0"
COMMERCIAL
OITC 35



12 CURTAIN WALL 18
1/4" = 1'-0"

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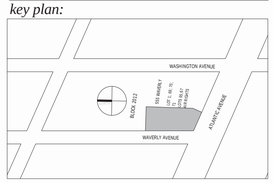
62 West 45th Street, 11th Floor
New York, NY 10036

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

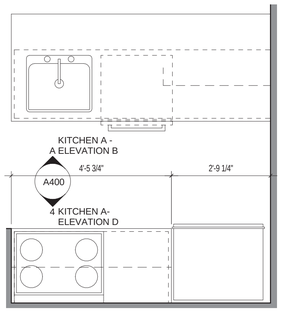
issued:

02/27/2015	100% SCOPE FOR BID

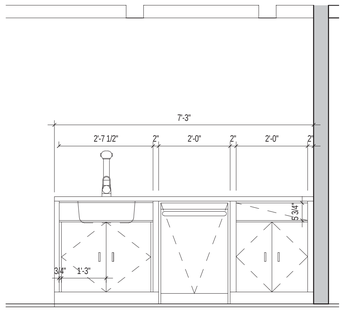
DRAWING TITLE
WINDOW SCHEDULE

SEAL & SIGNATURE:
REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR
025215
STATE OF NEW YORK

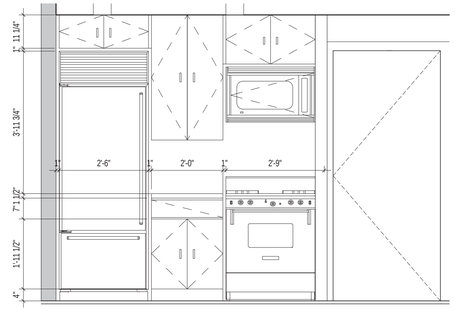
DATE:	12/17/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/4" = 1'-0"
DWG No:	A307.00



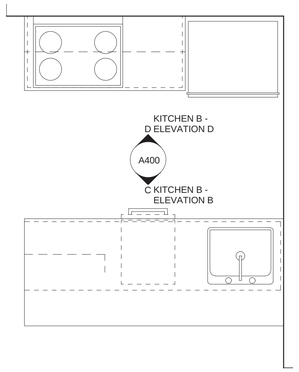
1 KITCHEN TYPICAL A
1/2" = 1'-0"



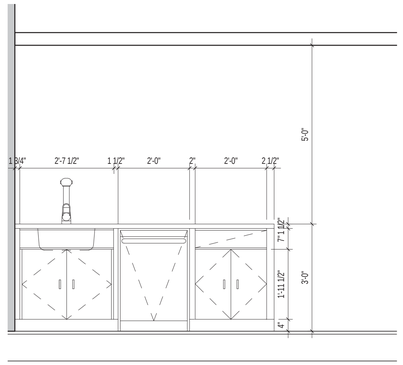
A KITCHEN A - ELEVATION B
1/2" = 1'-0"



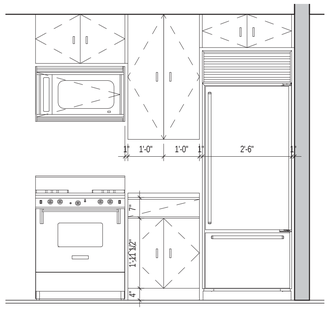
4 KITCHEN A- ELEVATION D
1/2" = 1'-0"



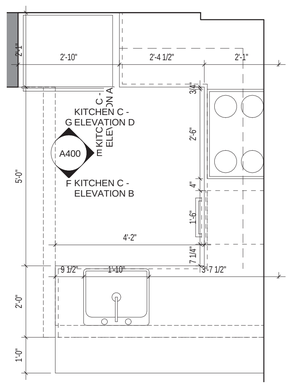
2 KITCHEN TYPICAL B
1/2" = 1'-0"



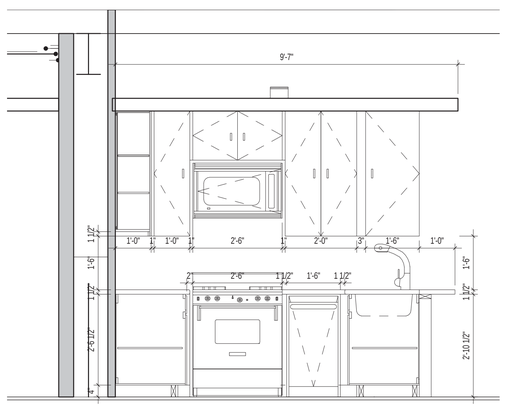
C KITCHEN B - ELEVATION B
1/2" = 1'-0"



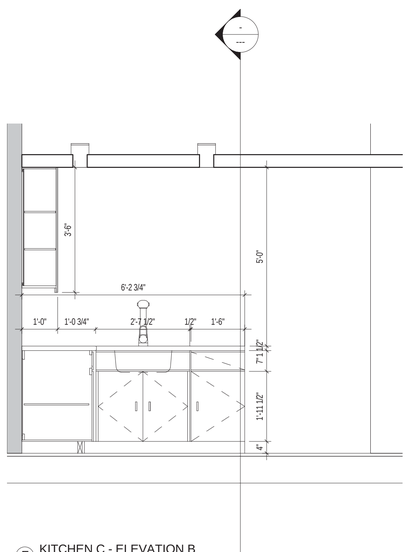
D KITCHEN B - ELEVATION D
1/2" = 1'-0"



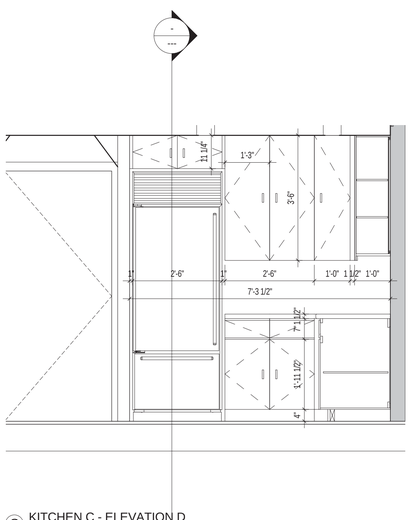
3 KITCHEN TYPICAL C
1/2" = 1'-0"



E KITCHEN C - ELEVATION A
1/2" = 1'-0"



F KITCHEN C - ELEVATION B
1/2" = 1'-0"



G KITCHEN C - ELEVATION D
1/2" = 1'-0"

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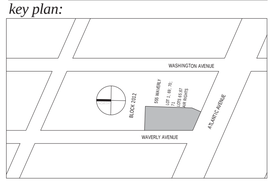
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

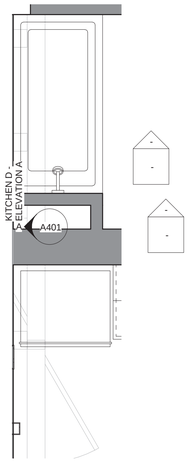
DRAWING TITLE

TYPICAL KICTHEN LAYOUTS

SEAL & SIGNATURE:

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arj
CHECKED BY:	jpm
SCALE:	1/2" = 1'-0"
DWG No:	A400.00



1 KITCHEN TYPICAL D
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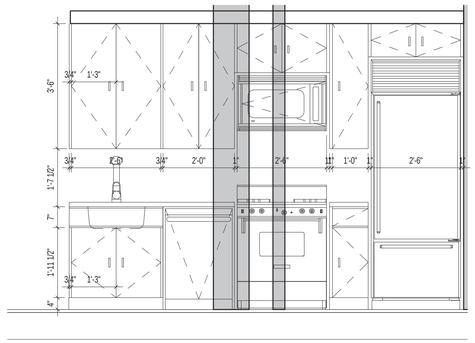
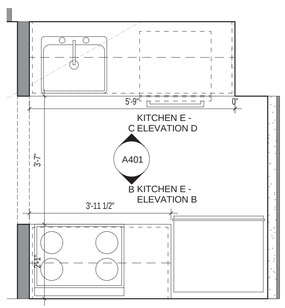
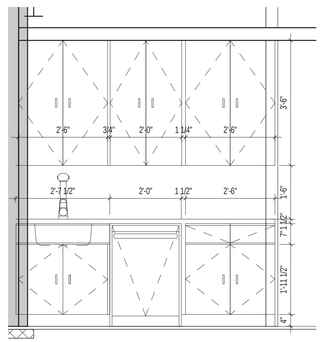


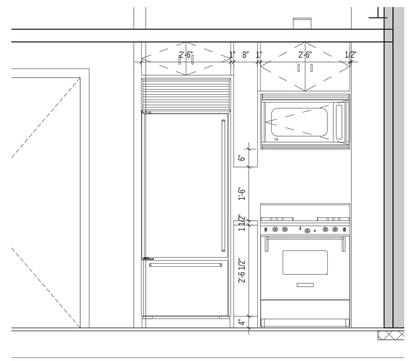
A KITCHEN D - ELEVATION A
1/2" = 1'-0"



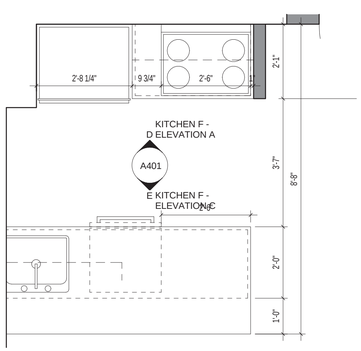
2 KITCHEN TYPICAL E
1/2" = 1'-0"



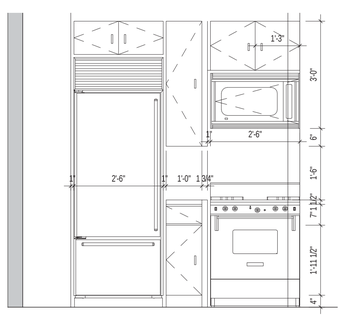
B KITCHEN E - ELEVATION B
1/2" = 1'-0"



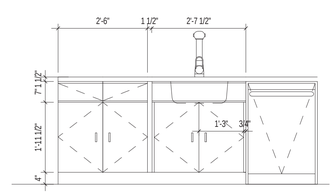
C KITCHEN E - ELEVATION D
1/2" = 1'-0"



3 KITCHEN TYPICAL F
1/2" = 1'-0"



D KITCHEN F - ELEVATION A
1/2" = 1'-0"



E KITCHEN F - ELEVATION C
1/2" = 1'-0"

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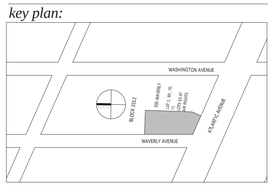
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

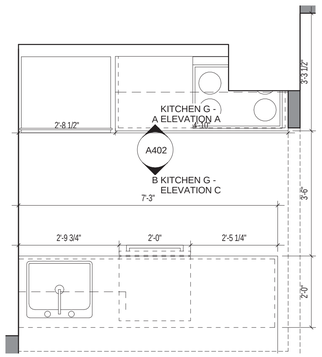
02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

TYPICAL KICTHEN LAYOUTS

SEAL & SIGNATURE

DATE:	12/23/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A401.00



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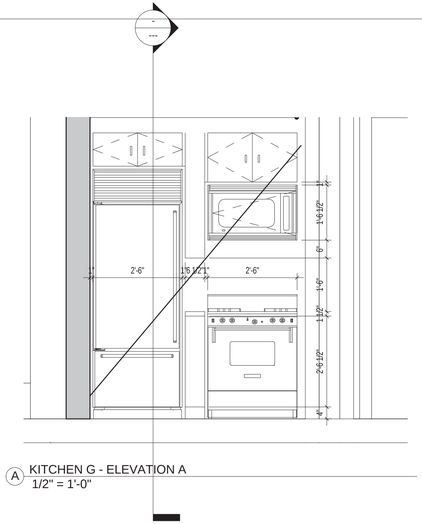
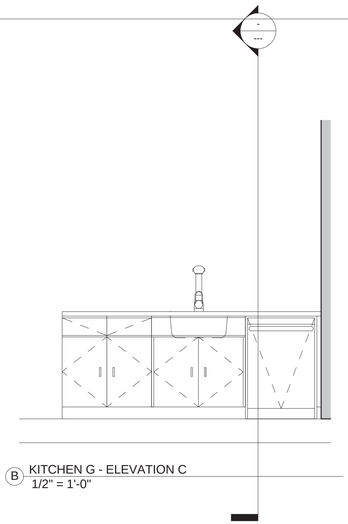
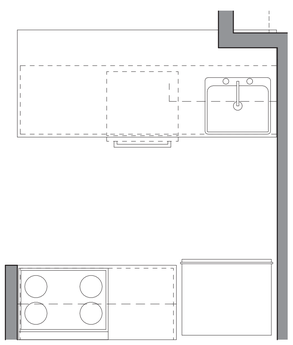


A KITCHEN G - ELEVATION A
1/2" = 1'-0"



B KITCHEN G - ELEVATION C
1/2" = 1'-0"



2 KITCHEN TYPICAL H
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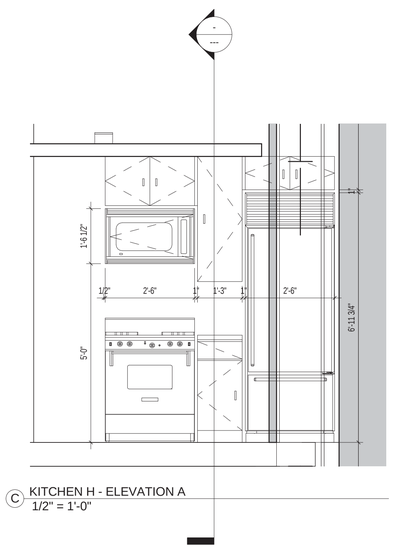
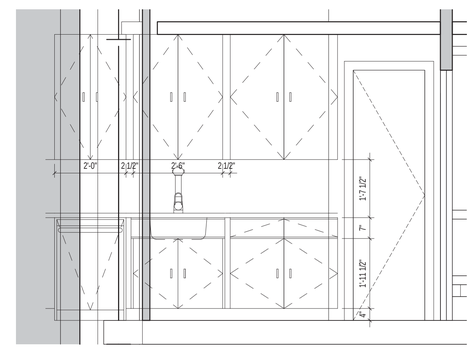
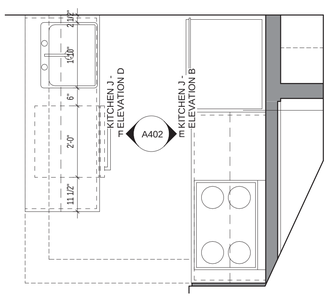


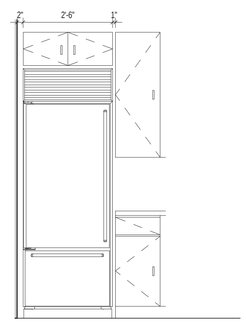
C KITCHEN H - ELEVATION A
1/2" = 1'-0"



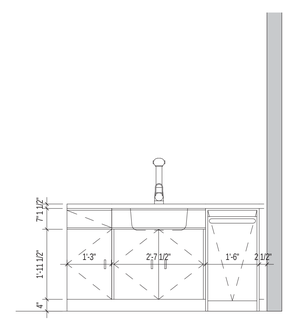
D KITCHEN H - ELEVATION C
1/2" = 1'-0"



3 KITCHEN TYPICAL J
1/2" = 1'-0"



E KITCHEN J - ELEVATION B
1/2" = 1'-0"



F KITCHEN J - ELEVATION D
1/2" = 1'-0"

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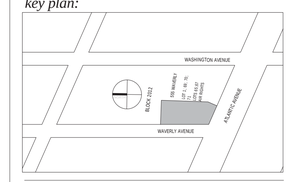
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

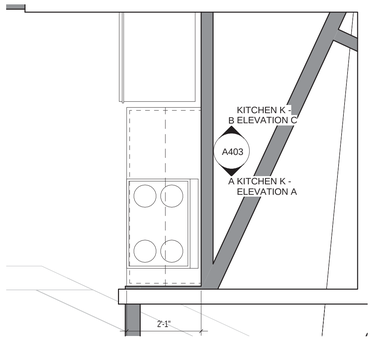
02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

TYPICAL KICTHEN LAYOUTS

SEAL & SIGNATURE

DATE:	12/30/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A402.00



1 KITCHEN TYPICAL K
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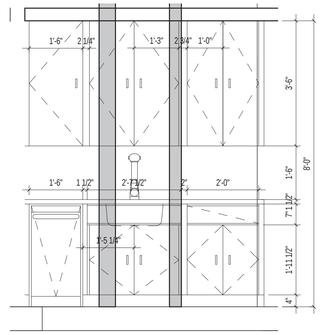
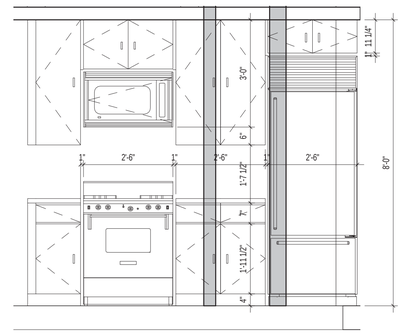
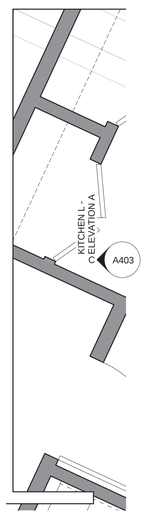


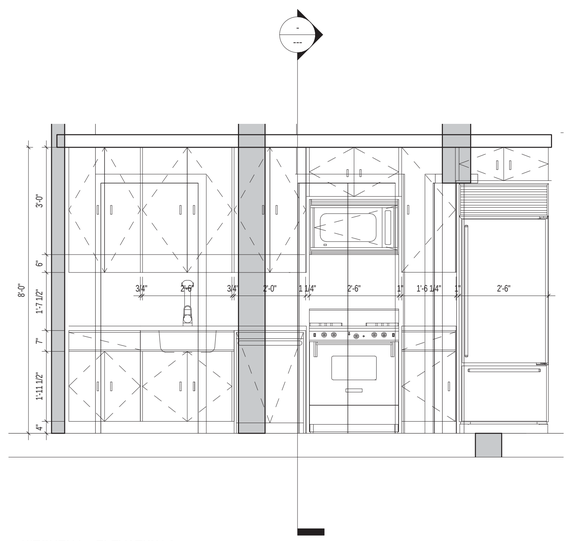
A KITCHEN K - ELEVATION A
1/2" = 1'-0"



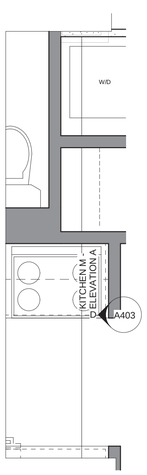
B KITCHEN K - ELEVATION C
1/2" = 1'-0"



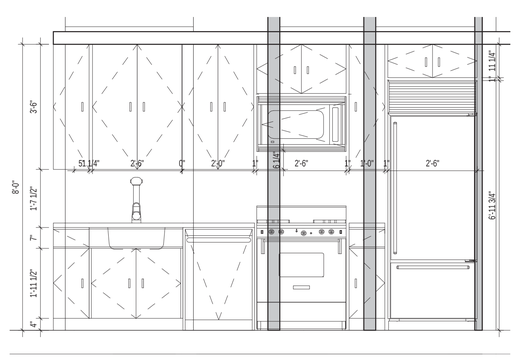
2 KITCHEN TYPICAL L
1/2" = 1'-0"



C KITCHEN L - ELEVATION A
1/2" = 1'-0"



3 KITCHEN TYPICAL M
1/2" = 1'-0"



D KITCHEN M - ELEVATION A
1/2" = 1'-0"

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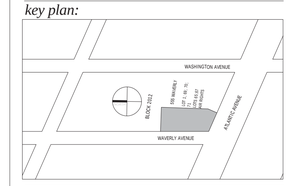

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DRAWING TITLE

TYPICAL KICTHEN LAYOUTS

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CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
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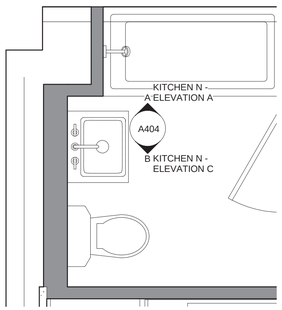
A403.00



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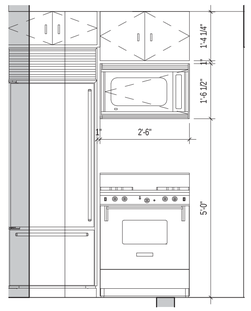

A KITCHEN N - ELEVATION A
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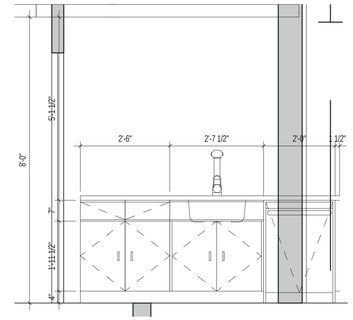
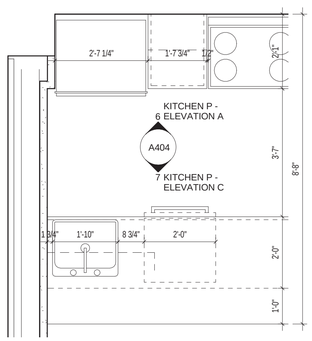


B KITCHEN N - ELEVATION C
1/2" = 1'-0"



2 KITCHEN TYPICAL P
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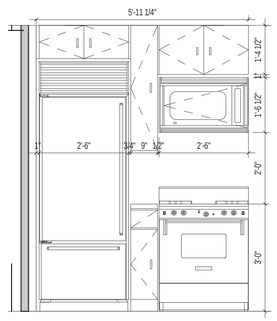

6 KITCHEN P - ELEVATION A
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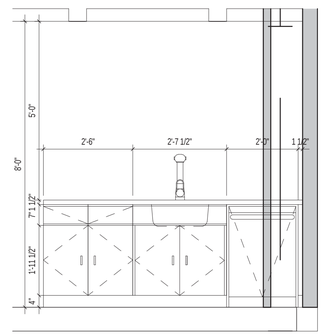
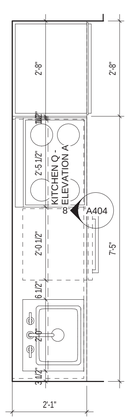
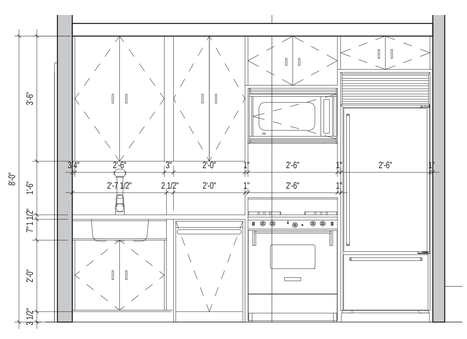


7 KITCHEN P - ELEVATION C
1/2" = 1'-0"



3 KITCHEN TYPICAL Q
1/2" = 1'-0"



8 KITCHEN Q - ELEVATION A
1/2" = 1'-0"

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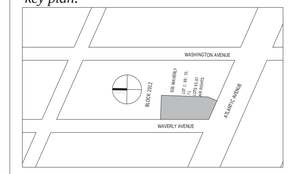

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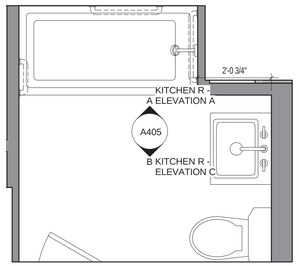

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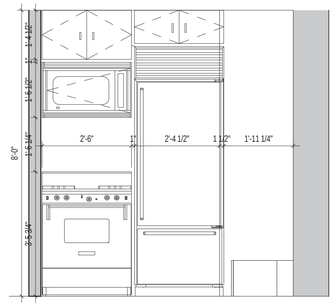
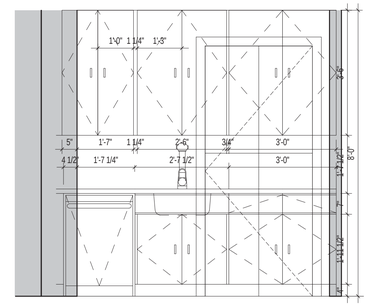
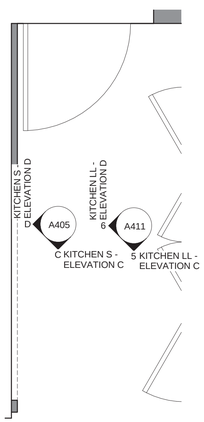
1/2" = 1'-0"



A KITCHEN R - ELEVATION A
1/2" = 1'-0"



B KITCHEN R - ELEVATION C
1/2" = 1'-0"



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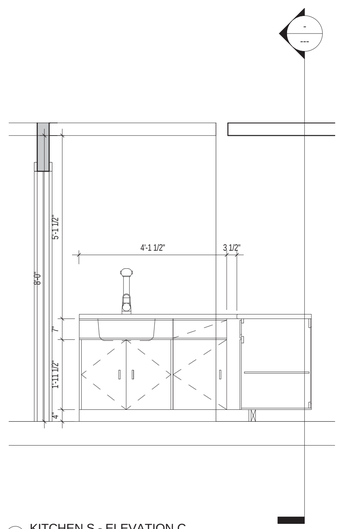
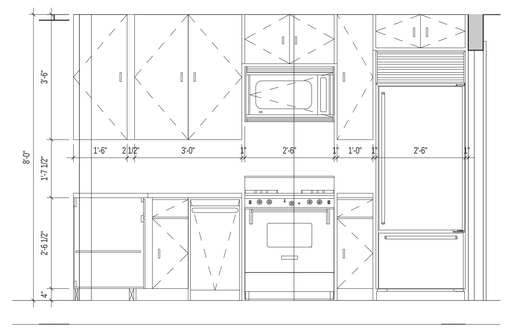


C KITCHEN S - ELEVATION C
1/2" = 1'-0"



D KITCHEN S - ELEVATION D
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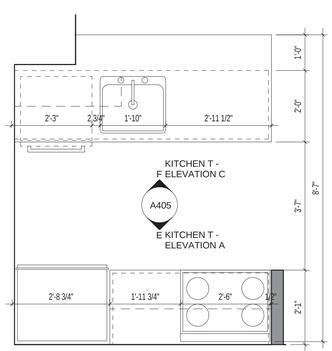
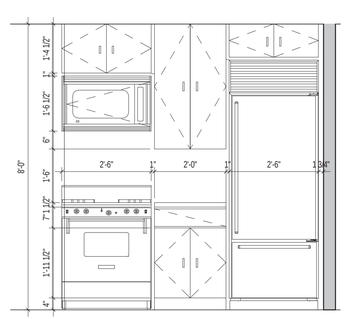
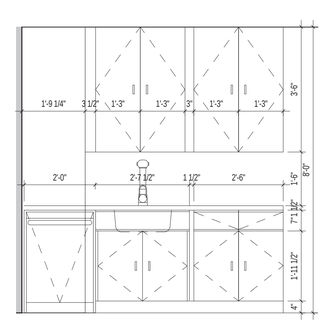


3 KITCHEN TYPICAL T
1/2" = 1'-0"



E KITCHEN T - ELEVATION A
1/2" = 1'-0"



F KITCHEN T - ELEVATION C
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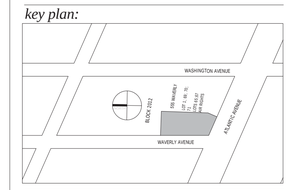

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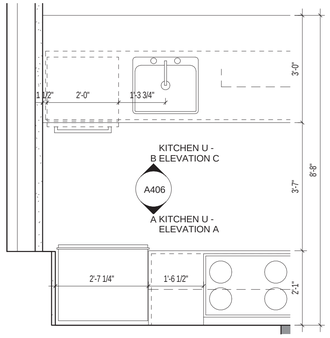

1 KITCHEN TYPICAL U
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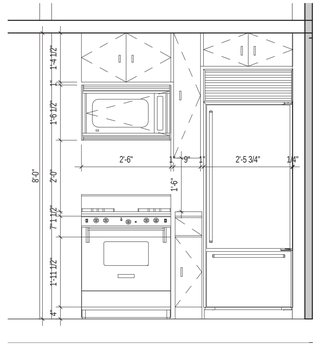

A KITCHEN U - ELEVATION A
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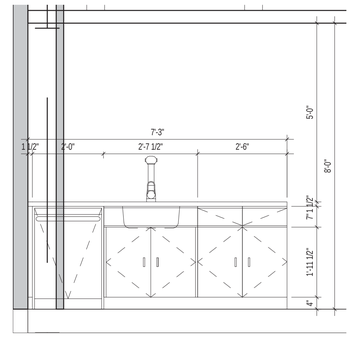
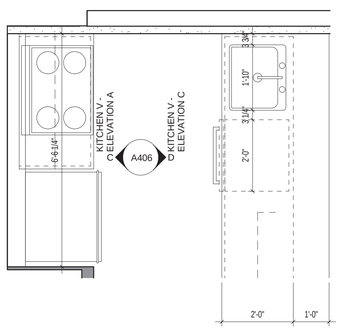


B KITCHEN U - ELEVATION C
1/2" = 1'-0"



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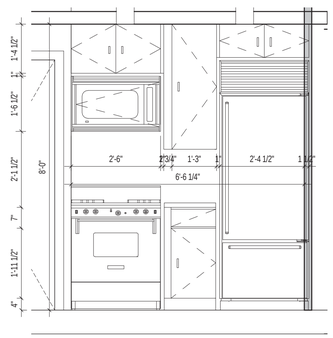
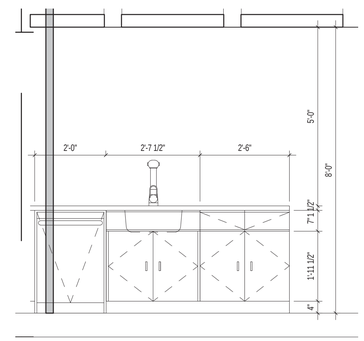
1/2" = 1'-0"



C KITCHEN V - ELEVATION A
1/2" = 1'-0"



D KITCHEN V - ELEVATION C
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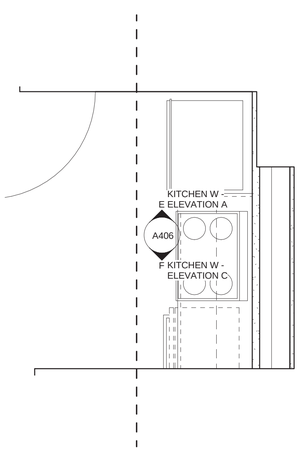

3 KITCHEN TYPICAL W
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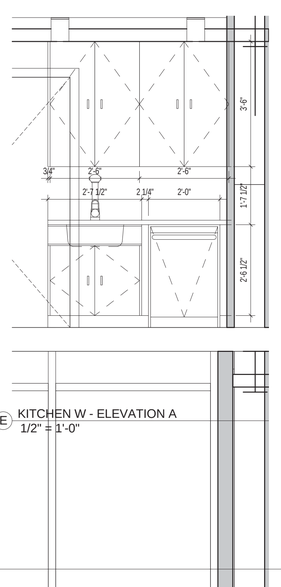
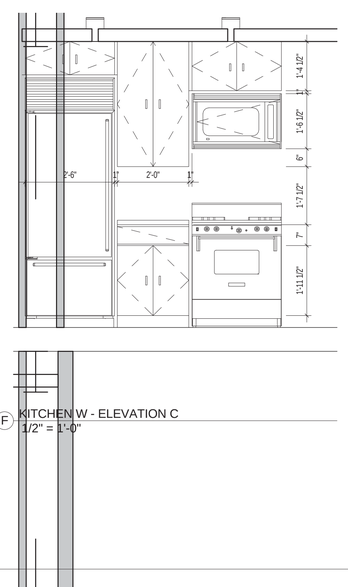


E KITCHEN W - ELEVATION A
1/2" = 1'-0"



F KITCHEN W - ELEVATION C
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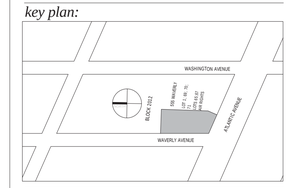

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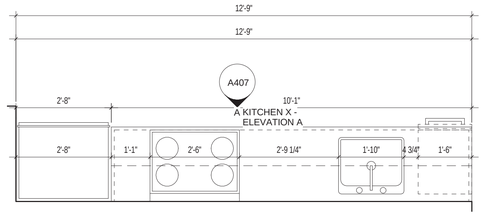

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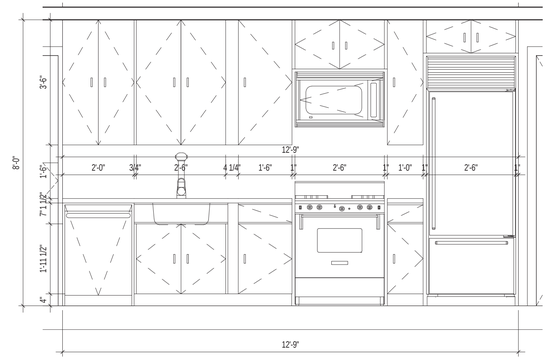

A KITCHEN X - ELEVATION A
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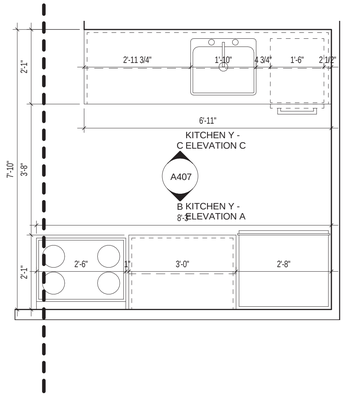

2 KITCHEN TYPICAL Y
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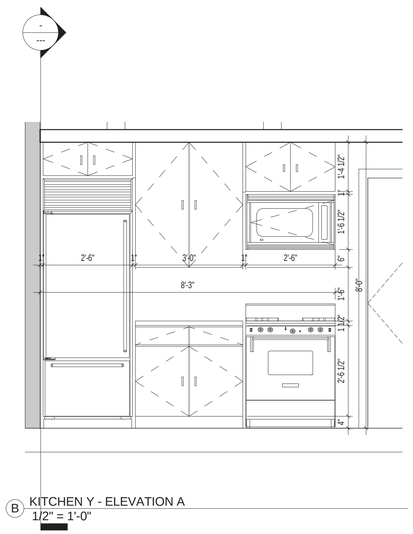

B KITCHEN Y - ELEVATION A
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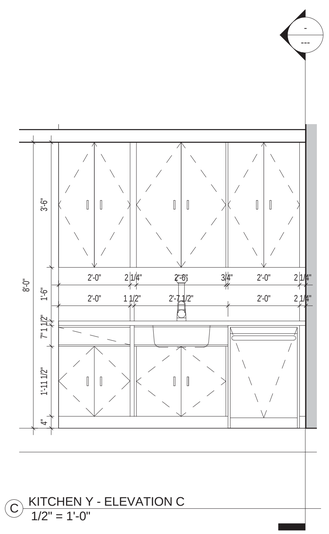

C KITCHEN Y - ELEVATION C
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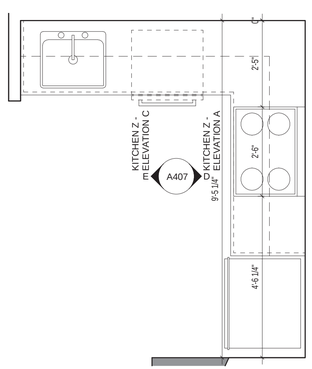
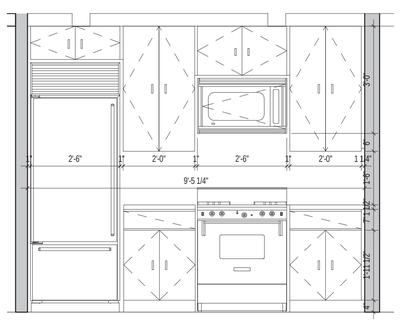


3 KITCHEN TYPICAL Z
1/2" = 1'-0"



D KITCHEN Z - ELEVATION A
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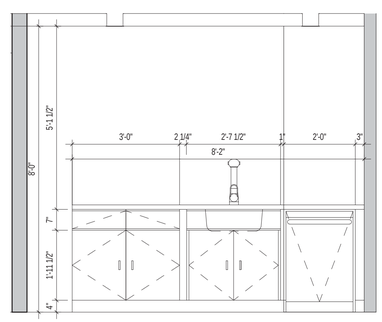

E KITCHEN Z - ELEVATION C
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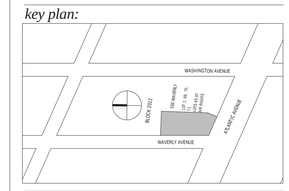

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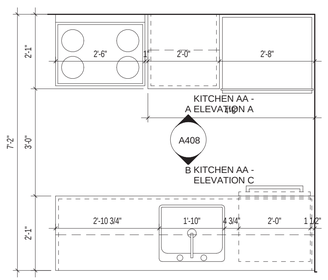

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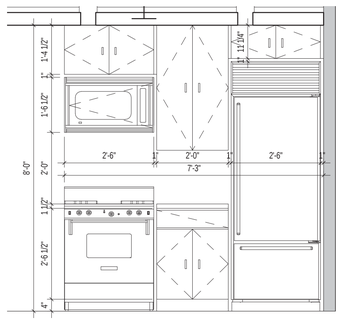
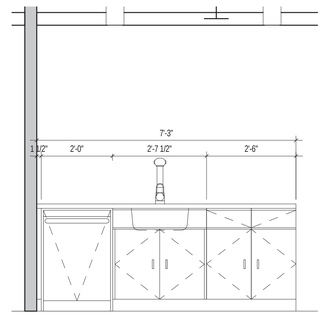
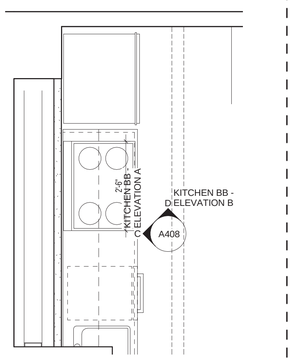


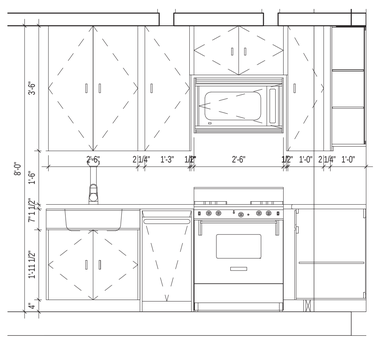
A KITCHEN AA - ELEVATION A
1/2" = 1'-0"



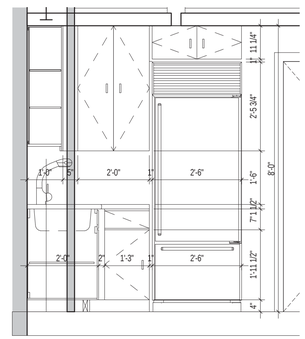
B KITCHEN AA - ELEVATION C
1/2" = 1'-0"



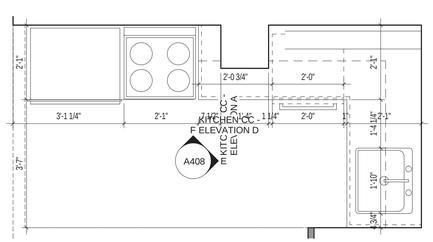
2 KITCHEN TYPICAL BB
1/2" = 1'-0"



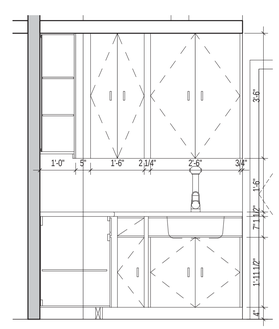
C KITCHEN BB - ELEVATION A
1/2" = 1'-0"



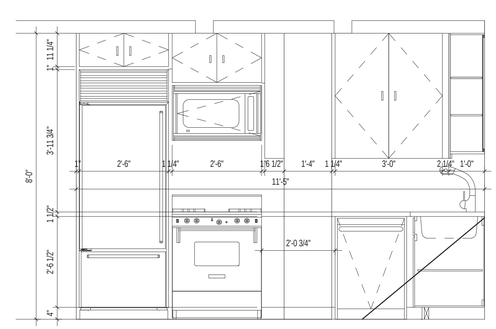
D KITCHEN BB - ELEVATION B
1/2" = 1'-0"



3 KITCHEN TYPICAL CC
1/2" = 1'-0"



E KITCHEN CC - ELEVATION A
1/2" = 1'-0"



F KITCHEN CC - ELEVATION D
1/2" = 1'-0"

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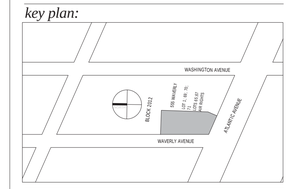

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NEW YORK, NY 11238

revisions:

issued:

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DRAWING TITLE

TYPICAL KICTHEN LAYOUTS

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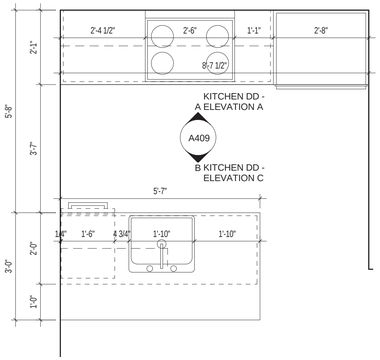
DATE:	01/05/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A408.00



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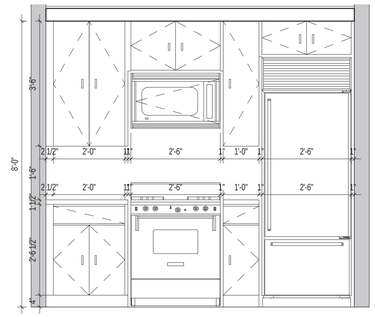

A KITCHEN DD - ELEVATION A
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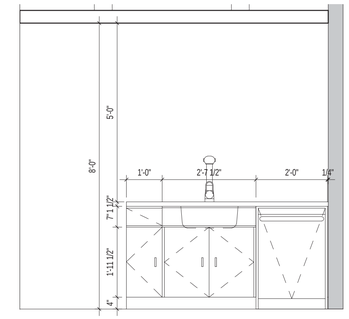

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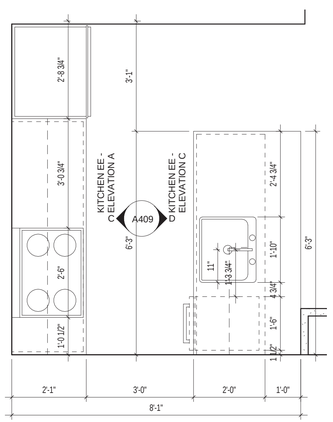
1/2" = 1'-0"



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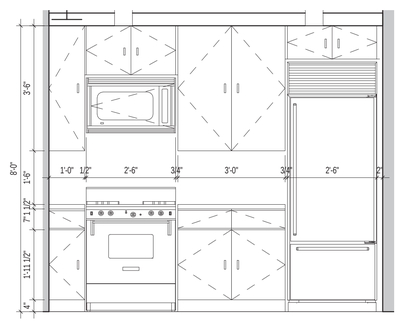
1/2" = 1'-0"



C KITCHEN EE - ELEVATION A
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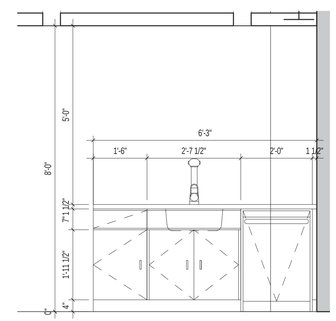
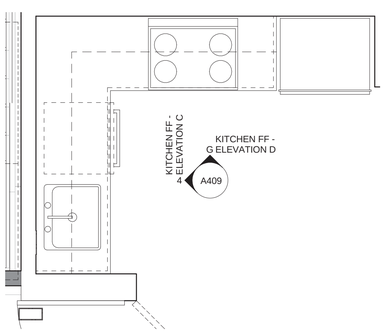
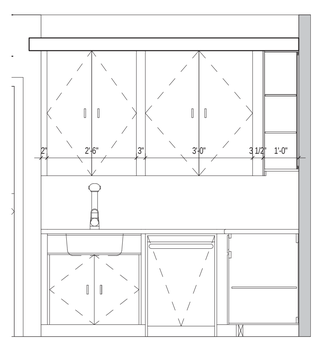


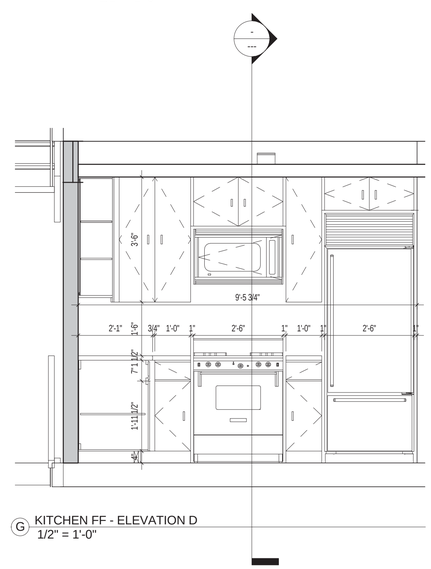
D KITCHEN EE - ELEVATION C
1/2" = 1'-0"



3 KITCHEN TYPICAL FF
1/2" = 1'-0"



4 KITCHEN FF - ELEVATION C
1/2" = 1'-0"



G KITCHEN FF - ELEVATION D
1/2" = 1'-0"

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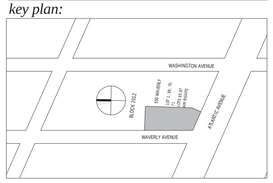

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NEW YORK, NY 11238

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TYPICAL KICTHEN LAYOUTS

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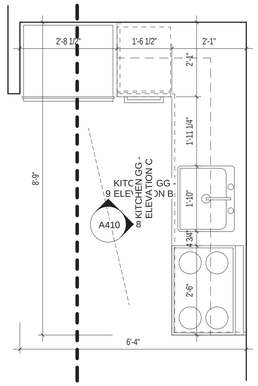
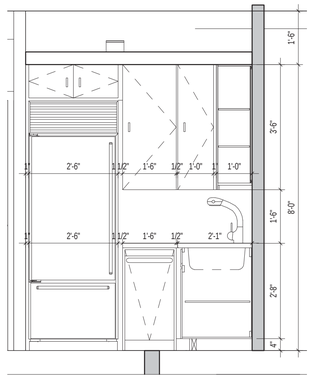
DATE:	01/05/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	

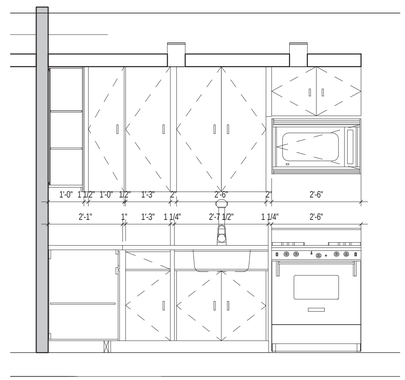
A409.00



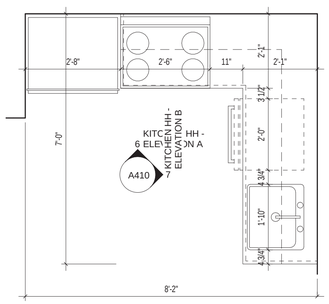
1 KITCHEN TYPICAL GG
1/2" = 1'-0"



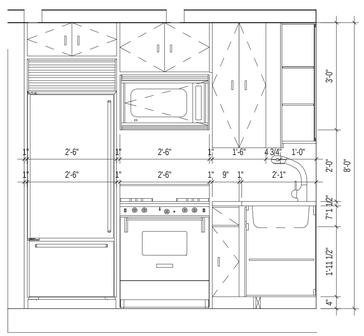
9 KITCHEN GG - ELEVATION B
1/2" = 1'-0"



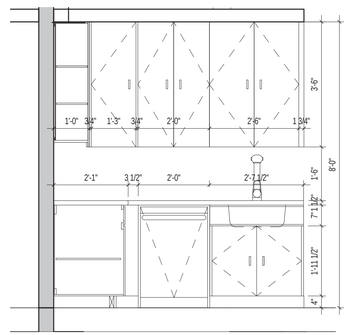
8 KITCHEN GG - ELEVATION C
1/2" = 1'-0"



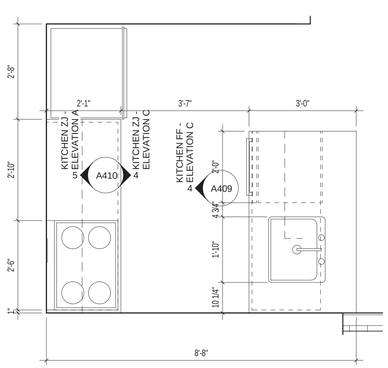
2 KITCHEN TYPICAL HH
1/2" = 1'-0"



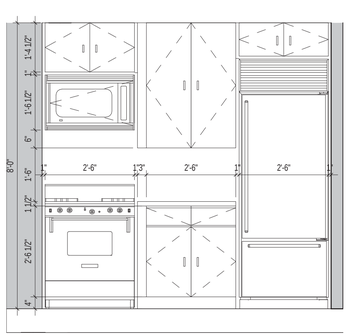
6 KITCHEN HH - ELEVATION A
1/2" = 1'-0"



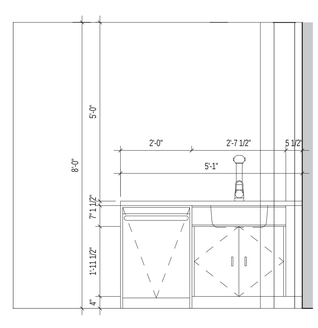
7 KITCHEN HH - ELEVATION B
1/2" = 1'-0"



3 KITCHEN TYPICAL JJ
1/2" = 1'-0"



5 KITCHEN ZJ - ELEVATION A
1/2" = 1'-0"



4 KITCHEN ZJ - ELEVATION C
1/2" = 1'-0"

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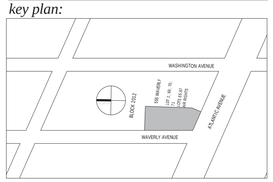

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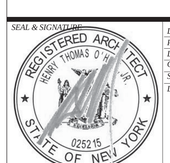
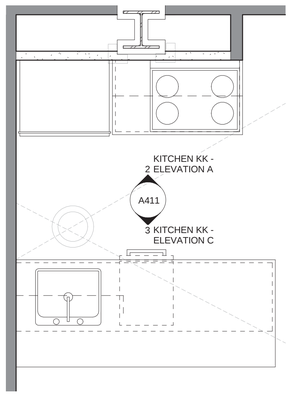
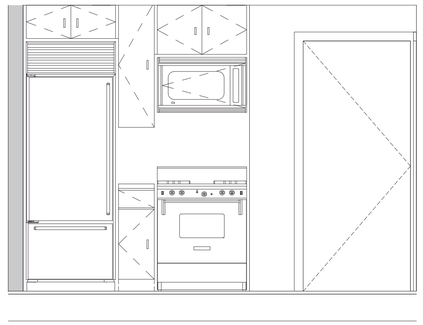


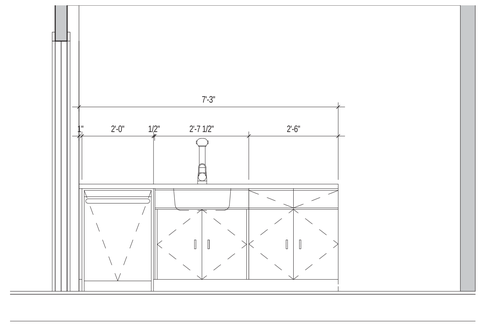
DATE:	01/05/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A410.00



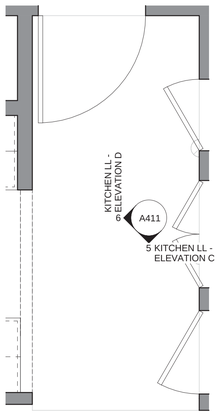
1 KITCHEN TYPICAL KK
1/2" = 1'-0"



2 KITCHEN KK - ELEVATION A
1/2" = 1'-0"



3 KITCHEN KK - ELEVATION C
1/2" = 1'-0"



4 KITCHEN TYPICAL LL
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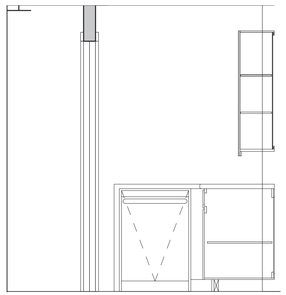
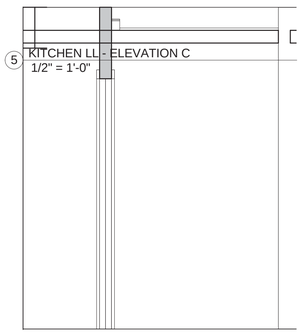
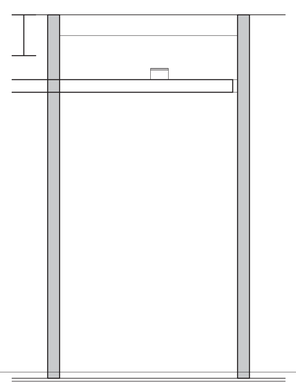
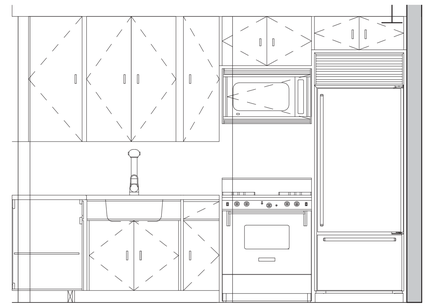
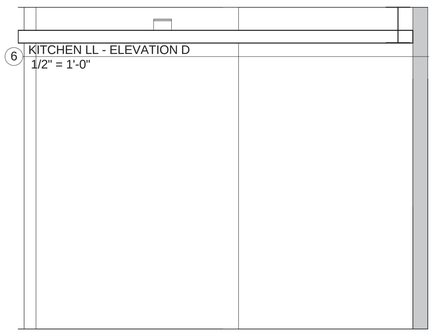




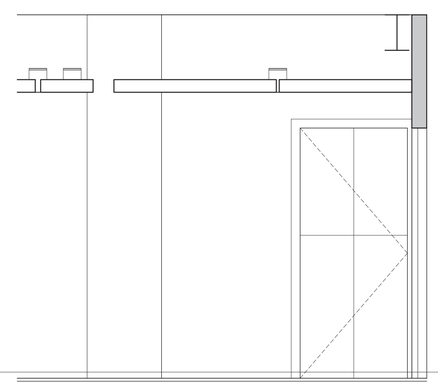
5 KITCHEN LL - ELEVATION C
1/2" = 1'-0"







6 KITCHEN LL - ELEVATION D
1/2" = 1'-0"



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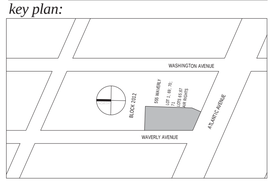

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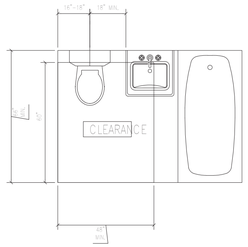
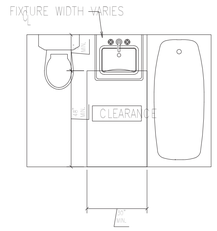
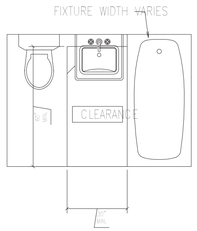
ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A (PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



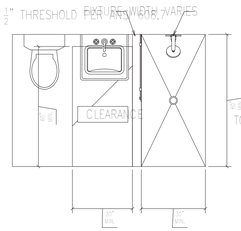
TOILET CLEARANCE REQ.



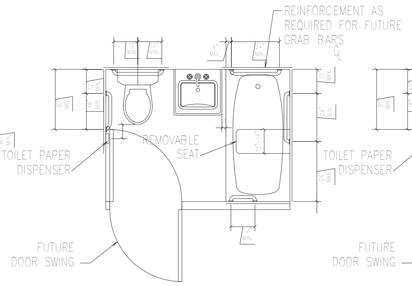
LAVATORY CLEARANCE REQ.



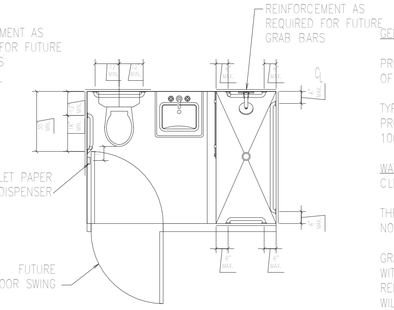
TUB CLEARANCE REQ.



STANDARD ROLL-IN SHOWER CLEARANCE REQ.



GRAB BAR LOCATIONS - TUB



GRAB BAR LOCATIONS - SHOWER

GENERAL:

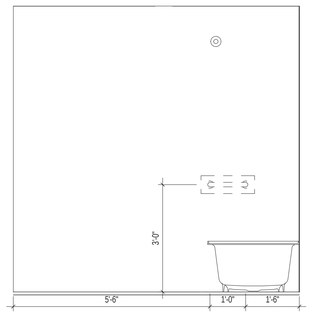
PROTOTYPES BATHROOM DESIGNS COMPLY WITH THE STANDARDS OF NYC 2008 BC APPENDIX P AND ICC/ANSI A117.1-2003.

TYPE B, OPTION "A" IS THE SELECTED BATHROOM TYPE FOR THE PROPOSED BUILDING AND SHALL COMPLY WITH SECTION 1004.11.3.1.

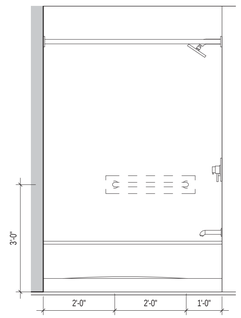
WATER CLOSETS:
CLEAR FLOOR SPACE AT THE WATER CLOSET SHALL BE AS SHOWN.

THE HEIGHT OF THE WATER CLOSET SHALL BE AT LEAST 15" & NO MORE THAN 19", MEASURED TO THE TOP OF THE TOILET SEAT.

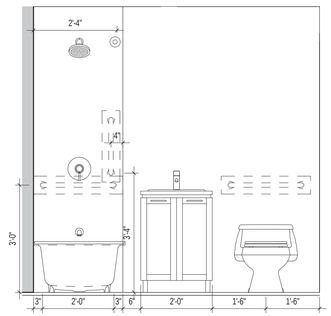
GRAB BARS SHALL BE INSTALLED AS SHOWN, AND SHALL COMPLY WITH SECTIONS 604.9,607.4,608.3, & 608.4, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS IN THE LOCATION SHOWN.



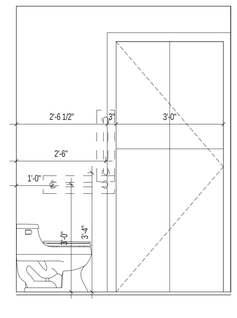
4 BATHROOM A - ELEVATION A
1/2" = 1'-0"



5 BATHROOM A - ELEVATION B
1/2" = 1'-0"



6 BATHROOM A - ELEVATION C
1/2" = 1'-0"



7 BATHROOM A - ELEVATION D
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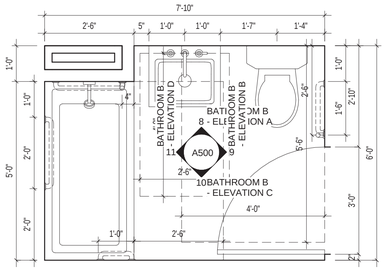
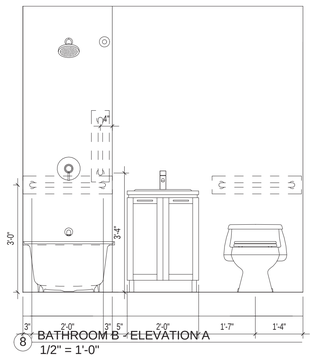
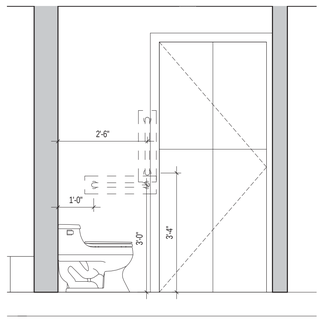


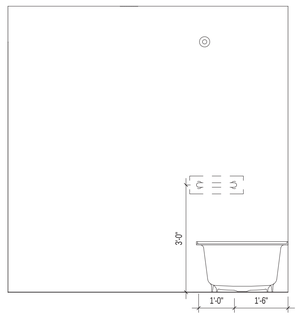
2 BATHROOM TYPICAL B
1/2" = 1'-0"



8 BATHROOM B - ELEVATION A
1/2" = 1'-0"



9 BATHROOM B - ELEVATION B
1/2" = 1'-0"



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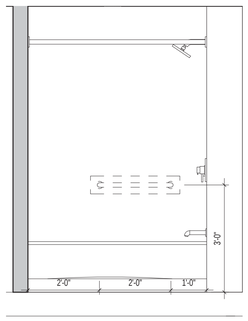
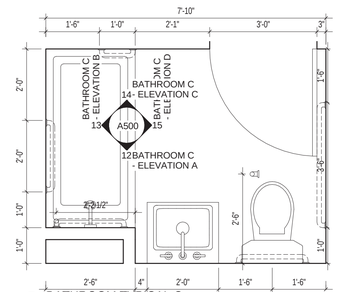
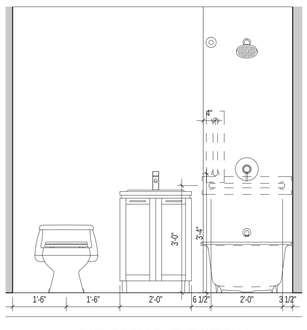
1/2" = 1'-0"



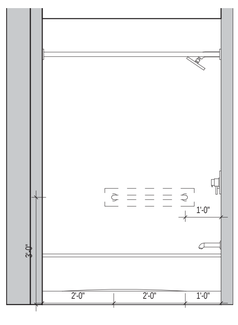
11 BATHROOM B - ELEVATION D
1/2" = 1'-0"



3 BATHROOM TYPICAL C
1/2" = 1'-0"



12 BATHROOM C - ELEVATION A
1/2" = 1'-0"



13 BATHROOM C - ELEVATION B
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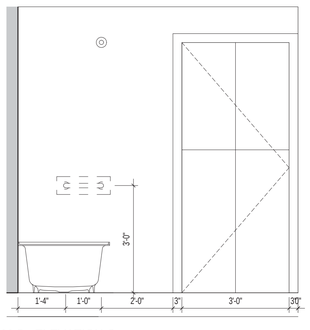
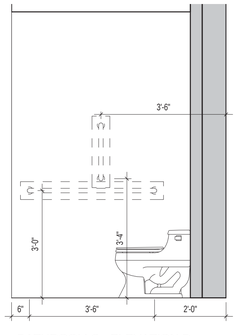


14 BATHROOM C - ELEVATION C
1/2" = 1'-0"



15 BATHROOM C - ELEVATION D
1/2" = 1'-0"

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Structural Engineer:
McNAMARA • SALVIA
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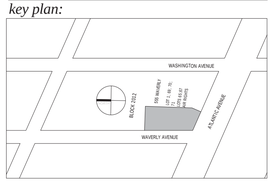
McNAMARA SALVIA
STRUCTURAL ENGINEERS

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165
SJC ENGINEERING,PC

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

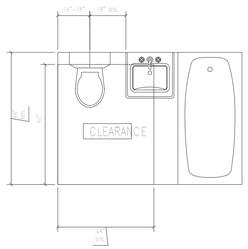
DRAWING TITLE

TYPICAL BATHROOM LAYOUTS

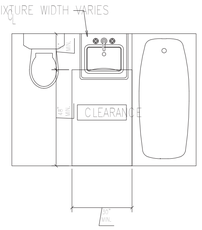
SEAL & SIGNATURE

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	arl
CHECKED BY:	jpm
SCALE:	1/2" = 1'-0"
DWG No:	A500.00

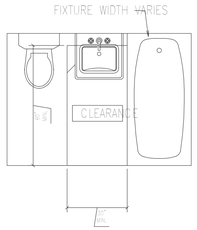
ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A (PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



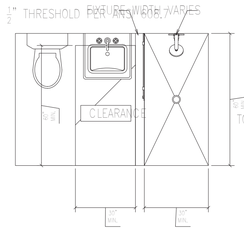
TOILET CLEARANCE REQ.



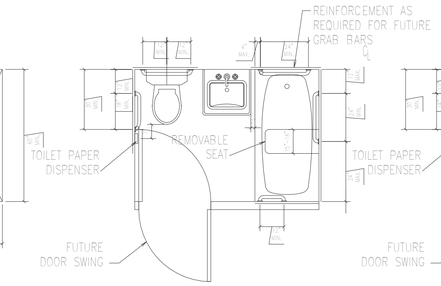
LAVATORY CLEARANCE REQ.



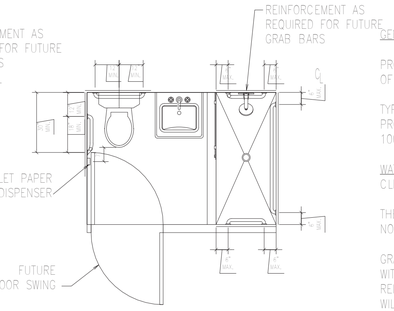
TUB CLEARANCE REQ.



STANDARD ROLL-IN SHOWER CLEARANCE REQ.



GRAB BAR LOCATIONS - TUB



GRAB BAR LOCATIONS - SHOWER

GENERAL:

PROTOTYPES BATHROOM DESIGNS COMPLY WITH THE STANDARDS OF NYC 2008 BC APPENDIX P AND ICC/ANSI A117.1-2003.

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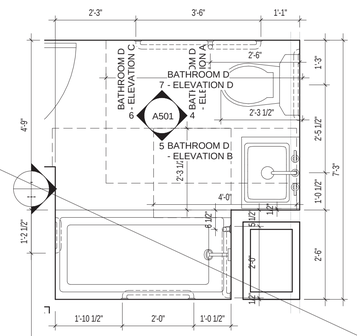
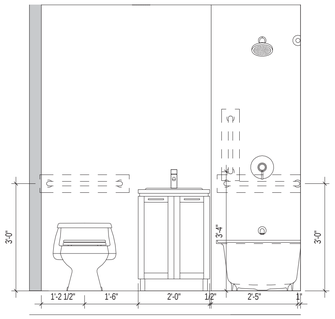
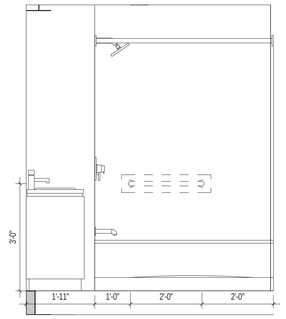


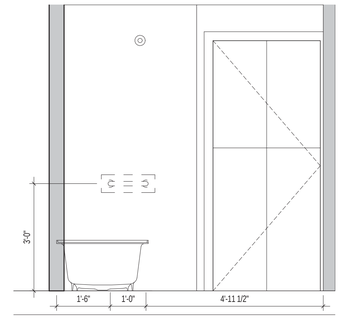
1 BATHROOM TYPICAL D
1/2" = 1'-0"



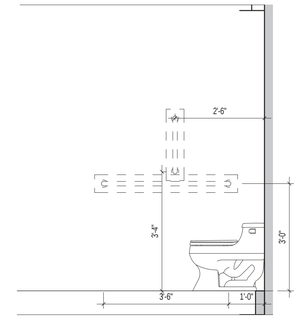
4 BATHROOM D - ELEVATION A
1/2" = 1'-0"



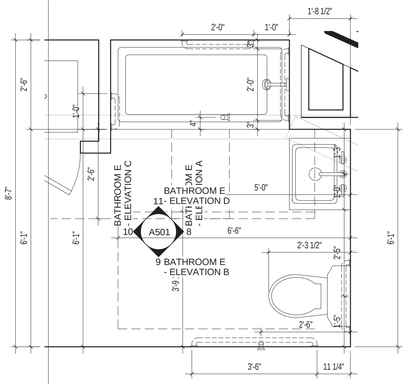
5 BATHROOM D - ELEVATION B
1/2" = 1'-0"



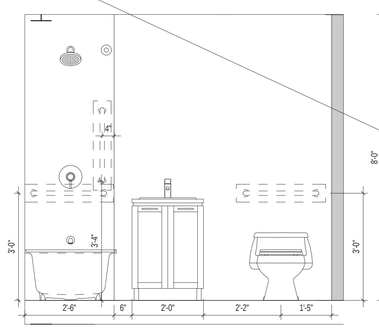
6 BATHROOM D - ELEVATION C
1/2" = 1'-0"



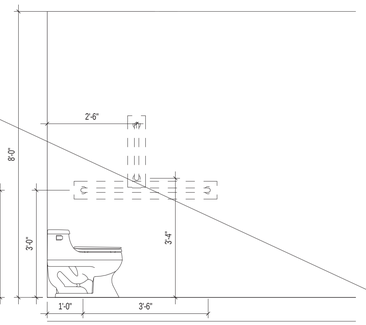
7 BATHROOM D - ELEVATION D
1/2" = 1'-0"



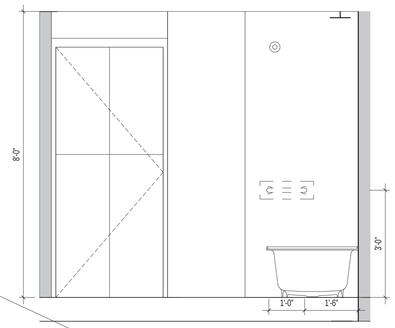
2 BATHROOM TYPICAL E
1/2" = 1'-0"



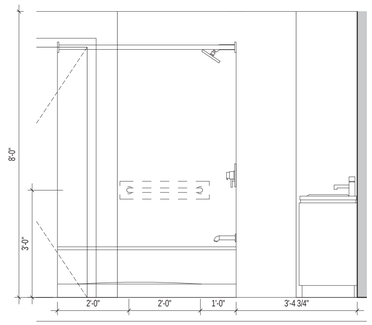
8 BATHROOM E - ELEVATION A
1/2" = 1'-0"



9 BATHROOM E - ELEVATION B
1/2" = 1'-0"



10 BATHROOM E - ELEVATION C
1/2" = 1'-0"



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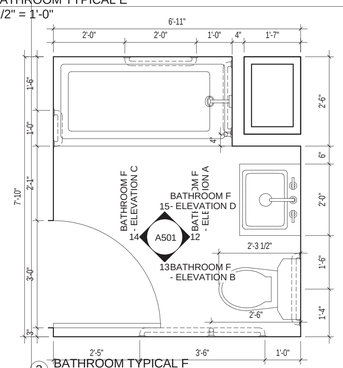

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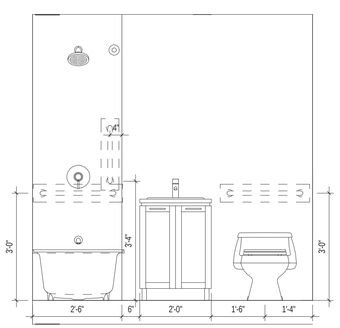
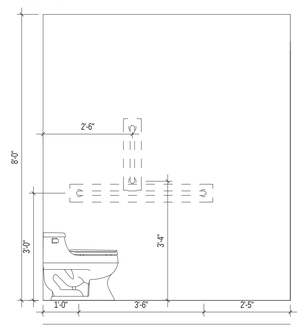


12 BATHROOM F - ELEVATION A
1/2" = 1'-0"



13 BATHROOM F - ELEVATION B
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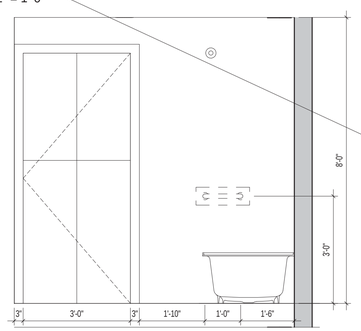
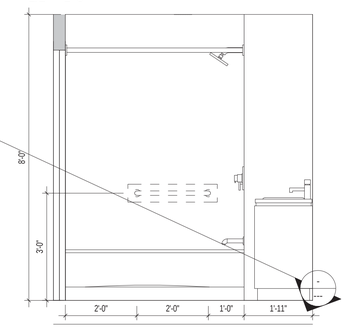


14 BATHROOM F - ELEVATION C
1/2" = 1'-0"



15 BATHROOM F - ELEVATION D
1/2" = 1'-0"

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Structural Engineer:
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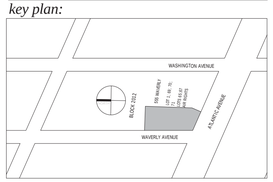
STRUCTURAL ENGINEERS
62 West 45th Street, 11th Floor
New York, NY 10036

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

TYPICAL BATHROOM LAYOUTS

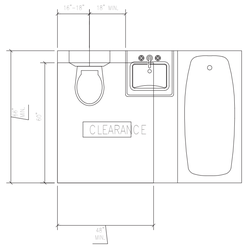
SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

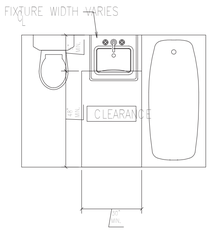
DATE:	12/23/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	

A501.00

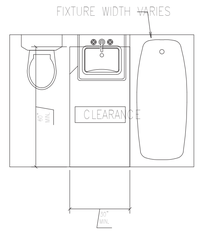
ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A (PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



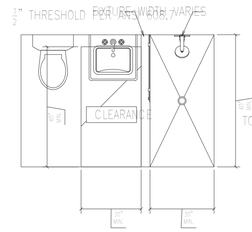
TOILET CLEARANCE REQ.



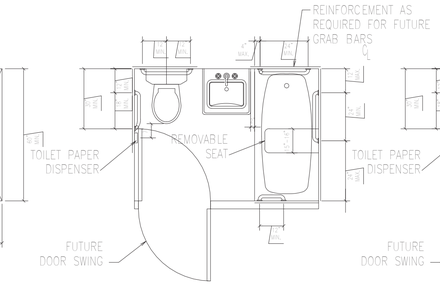
LAVATORY CLEARANCE REQ.



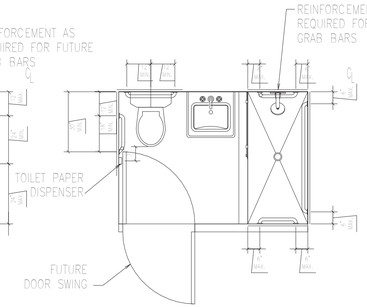
TUB CLEARANCE REQ.



STANDARD ROLL-IN SHOWER CLEARANCE REQ.



GRAB BAR LOCATIONS - TUB



GRAB BAR LOCATIONS - SHOWER

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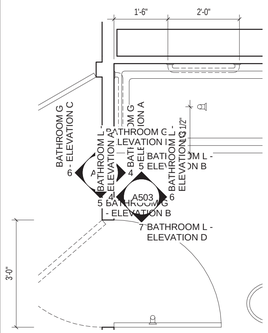
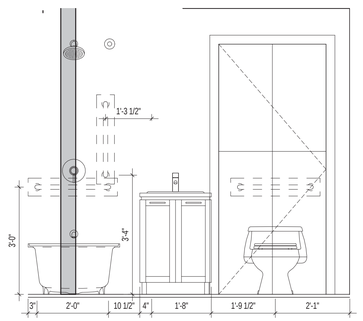
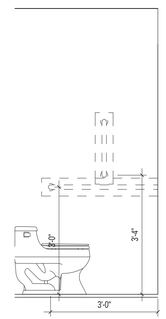


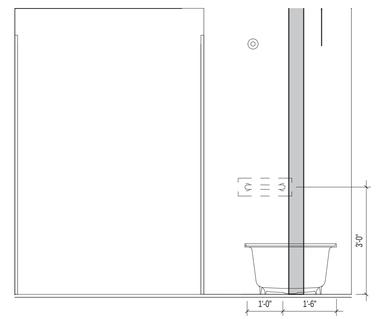
1 BATHROOM TYPICAL G
1/2" = 1'-0"



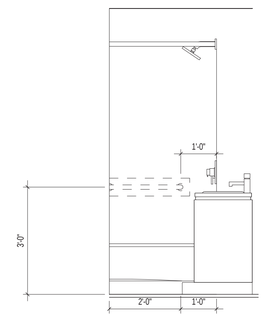
4 BATHROOM G - ELEVATION A
1/2" = 1'-0"



5 BATHROOM G - ELEVATION B
1/2" = 1'-0"



6 BATHROOM G - ELEVATION C
1/2" = 1'-0"



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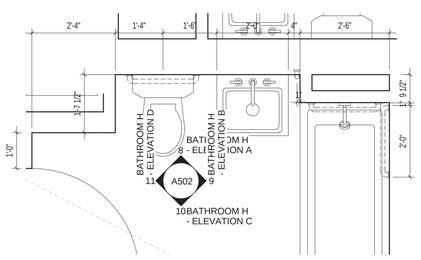
1/2" = 1'-0"



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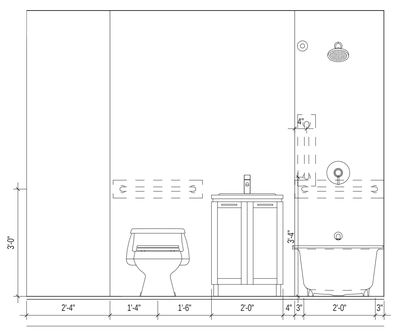
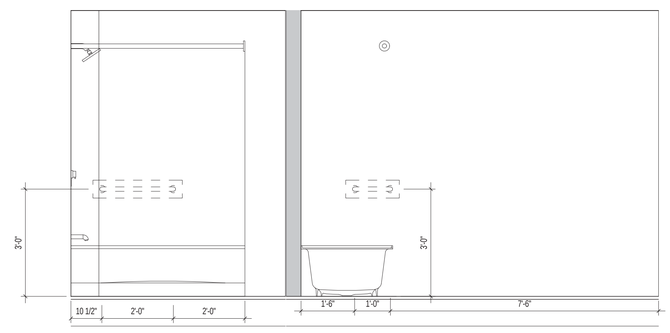
1/2" = 1'-0"

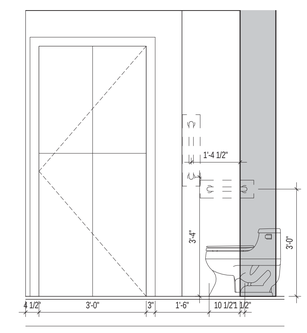


8 BATHROOM H - ELEVATION A
1/2" = 1'-0"

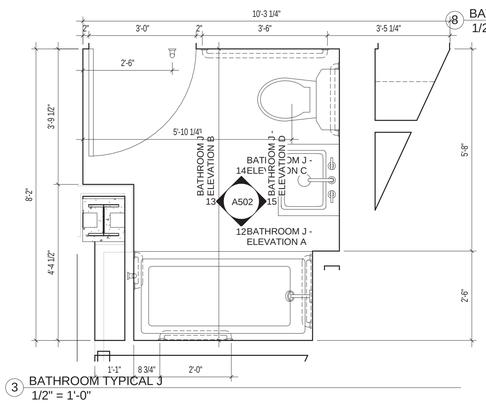


9 BATHROOM H - ELEVATION B
1/2" = 1'-0"

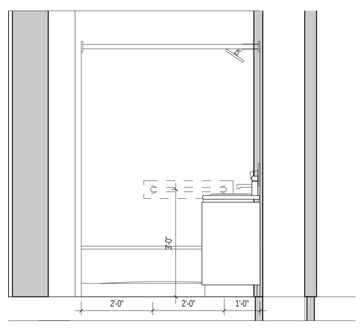
10 BATHROOM H - ELEVATION C
1/2" = 1'-0"



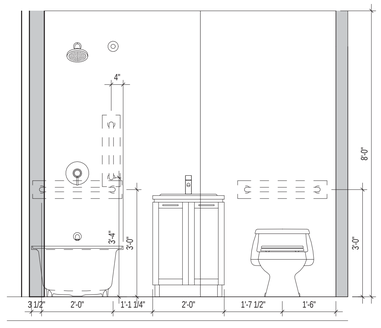
11 BATHROOM H - ELEVATION D
1/2" = 1'-0"



3 BATHROOM TYPICAL J
1/2" = 1'-0"



12 BATHROOM J - ELEVATION A
1/2" = 1'-0"



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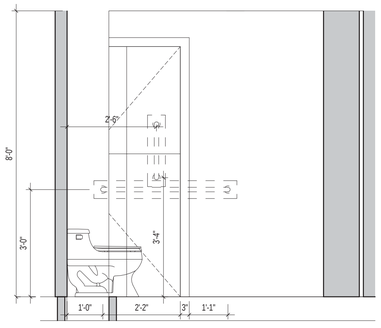
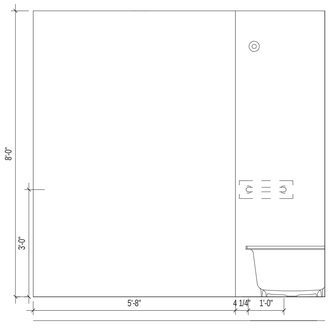
1/2" = 1'-0"



14 BATHROOM J - ELEVATION C
1/2" = 1'-0"



15 BATHROOM J - ELEVATION D
1/2" = 1'-0"

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

Executive Architect:
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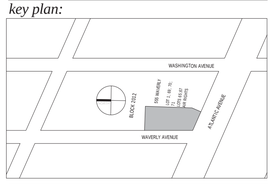
Structural Engineer:
McNAMARA • SALVIA
STRUCTURAL ENGINEERS
62 West 45th Street, 11th Floor
New York, NY 10036

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

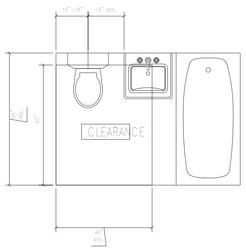
TYPICAL BATHROOM LAYOUTS

SEAL & SIGNATURE

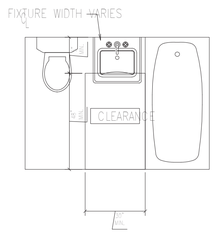
DATE:	01/12/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A502.00

ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A

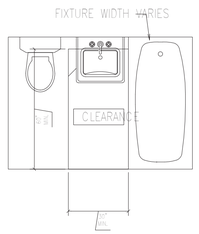
(PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



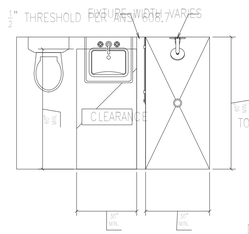
TOILET CLEARANCE REQ.



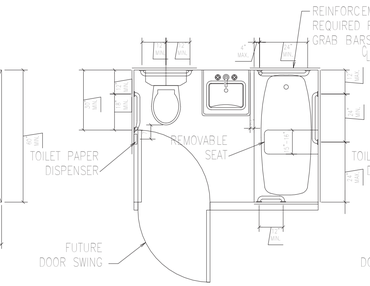
LAVATORY CLEARANCE REQ.



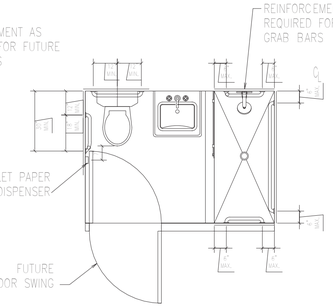
TUB CLEARANCE REQ.



STANDARD ROLL-IN SHOWER CLEARANCE REQ.



GRAB BAR LOCATIONS - TUB



GRAB BAR LOCATIONS - SHOWER

GENERAL:

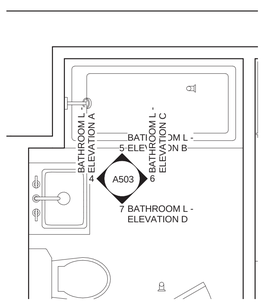
PROTOTYPES BATHROOM DESIGNS COMPLY WITH THE STANDARDS OF NYC 2008 BC APPENDIX P AND ICC/ANSI A117.1-2003.

TYPE B, OPTION "A" IS THE SELECTED BATHROOM TYPE FOR THE PROPOSED BUILDING AND SHALL COMPLY WITH SECTION 1004.11.3.1.

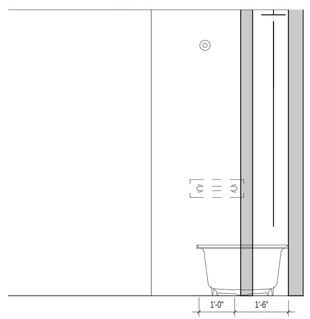
WATER CLOSETS:
CLEAR FLOOR SPACE AT THE WATER CLOSET SHALL BE AS SHOWN.

THE HEIGHT OF THE WATER CLOSET SHALL BE AT LEAST 15" & NO MORE THAN 19", MEASURED TO THE TOP OF THE TOILET SEAT.

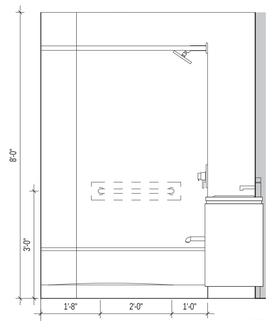
GRAB BARS SHALL BE INSTALLED AS SHOWN, AND SHALL COMPLY WITH SECTIONS 604.9,607.4,608.3, & 608.4, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS IN THE LOCATION SHOWN.



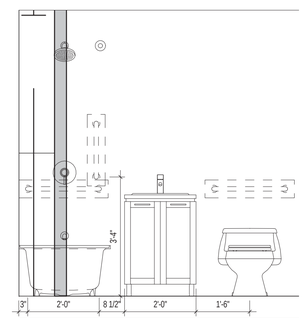
1 BATHROOM TYPICAL L
1/2" = 1'-0"



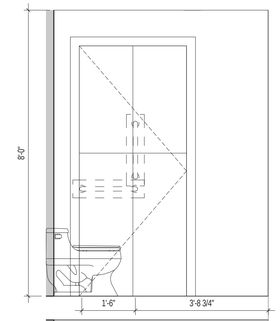
4 BATHROOM L - ELEVATION A
1/2" = 1'-0"



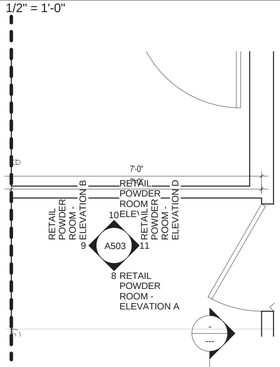
5 BATHROOM L - ELEVATION B
1/2" = 1'-0"



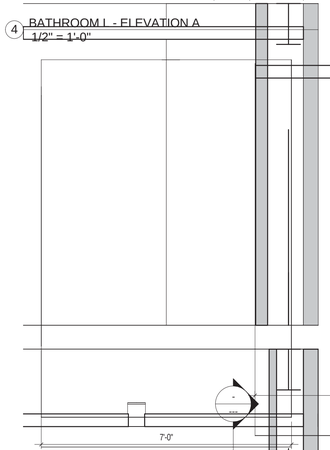
6 BATHROOM L - ELEVATION C
1/2" = 1'-0"



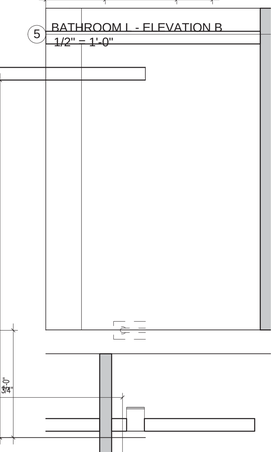
7 BATHROOM L - ELEVATION D
1/2" = 1'-0"



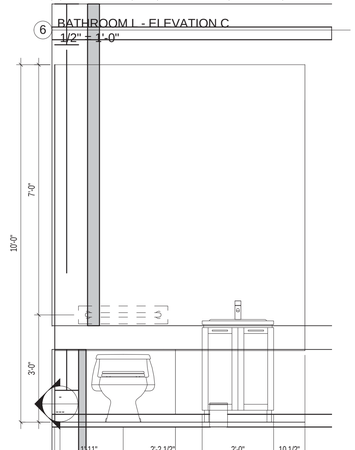
2 RETAIL POWDER ROOM
1/2" = 1'-0"



8 RETAIL POWDER ROOM - ELEVATION A
1/2" = 1'-0"



9 RETAIL POWDER ROOM - ELEVATION B
1/2" = 1'-0"



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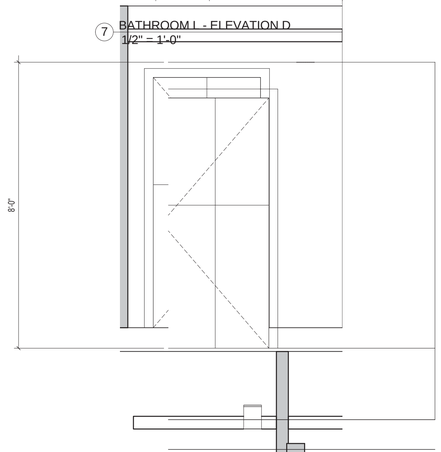
1/2" = 1'-0"



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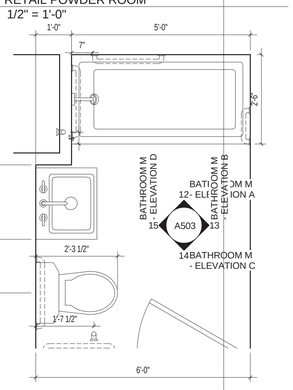
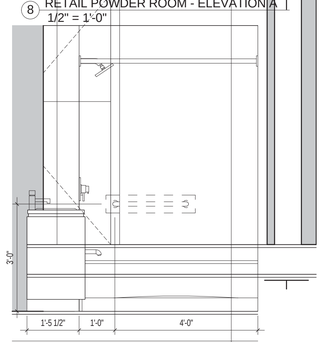
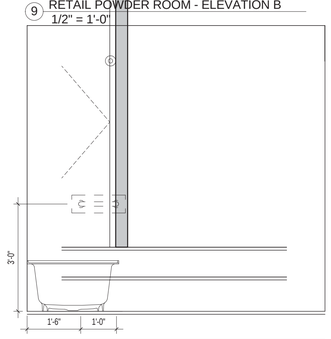


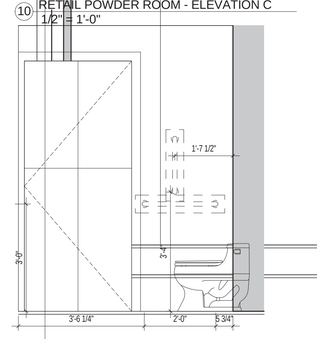
3 BATHROOM TYPICAL M
1/2" = 1'-0"



12 BATHROOM M - ELEVATION A
1/2" = 1'-0"



13 BATHROOM M - ELEVATION B



14 BATHROOM M - ELEVATION C
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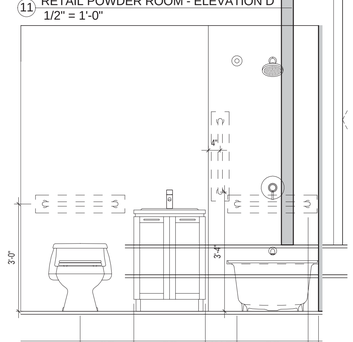

15 BATHROOM M - ELEVATION D
1/2" = 1'-0"

These drawings are an instrument of service and are the property of the architect. Infringements will be prosecuted.

Executive Architect:
HTO
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www.hto-architect.com

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Structural Engineer:
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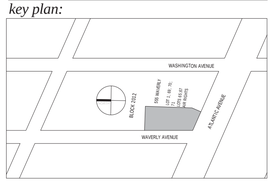
STRUCTURAL ENGINEERS
62 West 45th Street, 11th Floor
New York, NY 10036

MEP Engineer:
SJC Engineering, PC
60 E 42nd Street (suite 956)
New York, NY 10165

key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

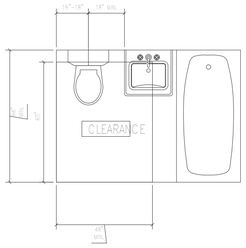
TYPICAL BATHROOM LAYOUTS

SEAL & SIGNATURE:

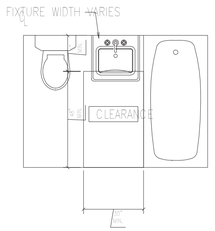
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/12/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A503.00

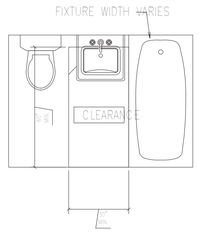
ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A (PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



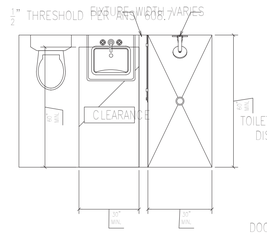
TOILET CLEARANCE REQ.



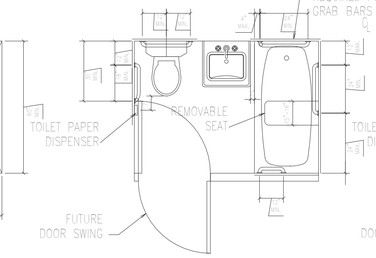
LAVATORY CLEARANCE REQ.



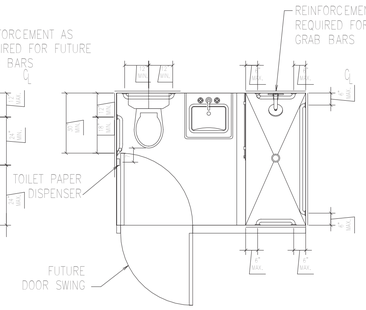
TUB CLEARANCE REQ.



STANDARD ROLL-IN SHOWER CLEARANCE REQ.



GRAB BAR LOCATIONS - TUB



GRAB BAR LOCATIONS - SHOWER

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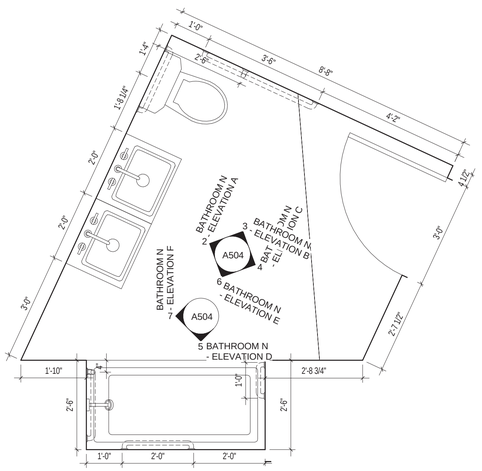
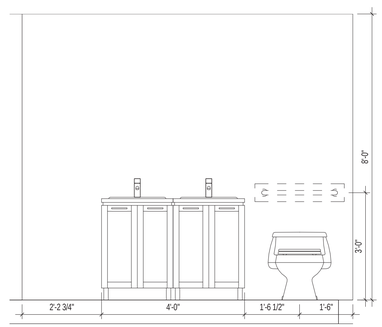
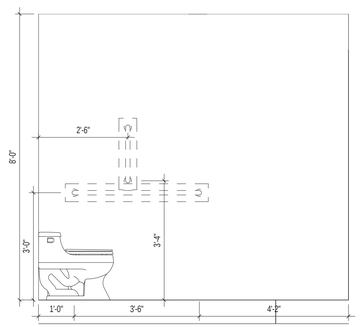


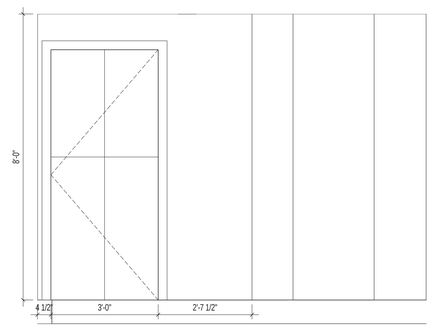
1 BATHROOM TYPICAL N
1/2" = 1'-0"



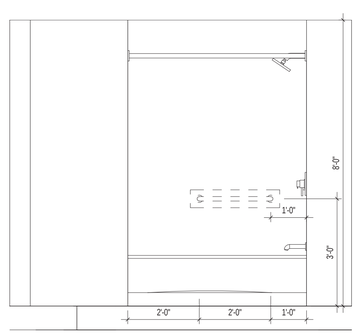
2 BATHROOM N - ELEVATION A
1/2" = 1'-0"



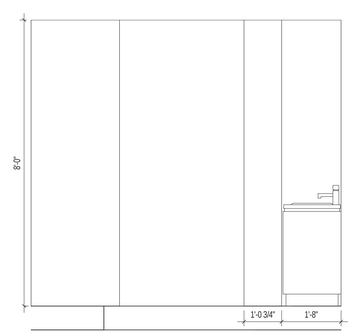
3 BATHROOM N - ELEVATION B
1/2" = 1'-0"

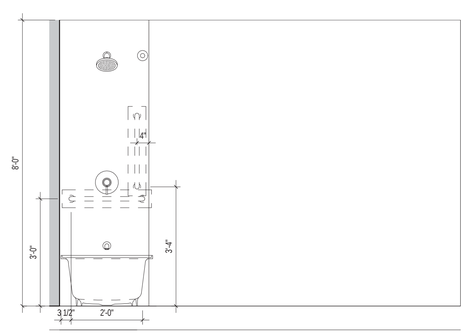


4 BATHROOM N - ELEVATION C
1/2" = 1'-0"



5 BATHROOM N - ELEVATION D
1/2" = 1'-0"





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MEP Engineer:
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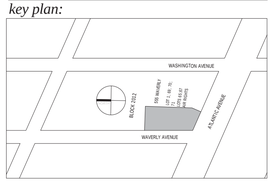
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

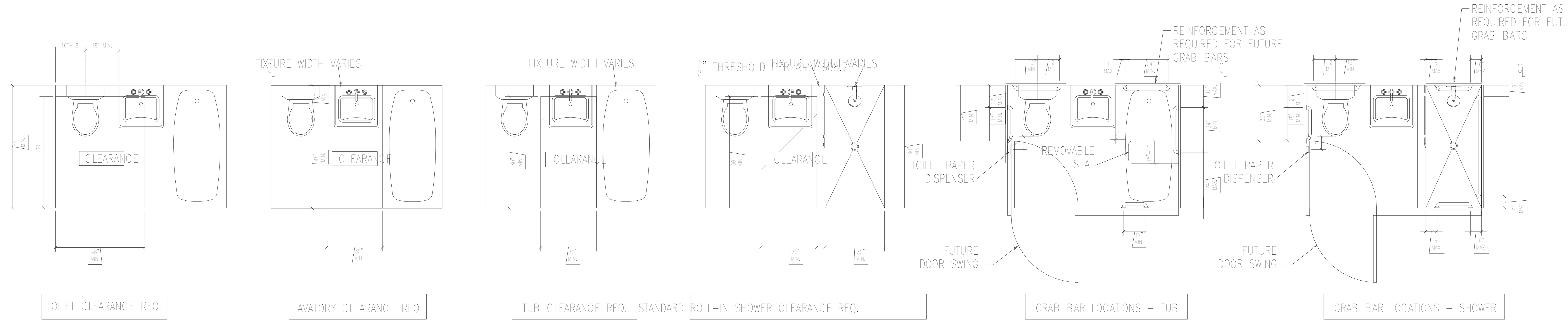
DRAWING TITLE

TYPICAL BATHROOM LAYOUTS

SEAL & SIGNATURE

DATE:	01/12/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	A504.00

ADAPTABLE REQUIREMENTS: RESIDENTIAL TYPE B - OPTION A (PER APPENDIX P OF THE NYC 2008 BUILDING CODE & ICC/ANSI A117.1-2003)



GENERAL:

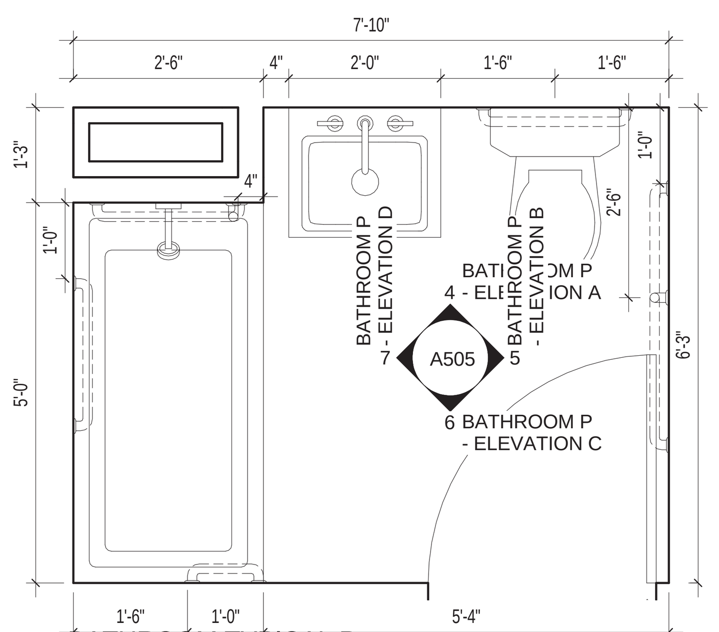
PROTOTYPES BATHROOM DESIGNS COMPLY WITH THE STANDARDS OF NYC 2008 BC APPENDIX P AND ICC/ANSI A117.1-2003.

TYPE B, OPTION "A" IS THE SELECTED BATHROOM TYPE FOR THE PROPOSED BUILDING AND SHALL COMPLY WITH SECTION 1004.11.3.1.

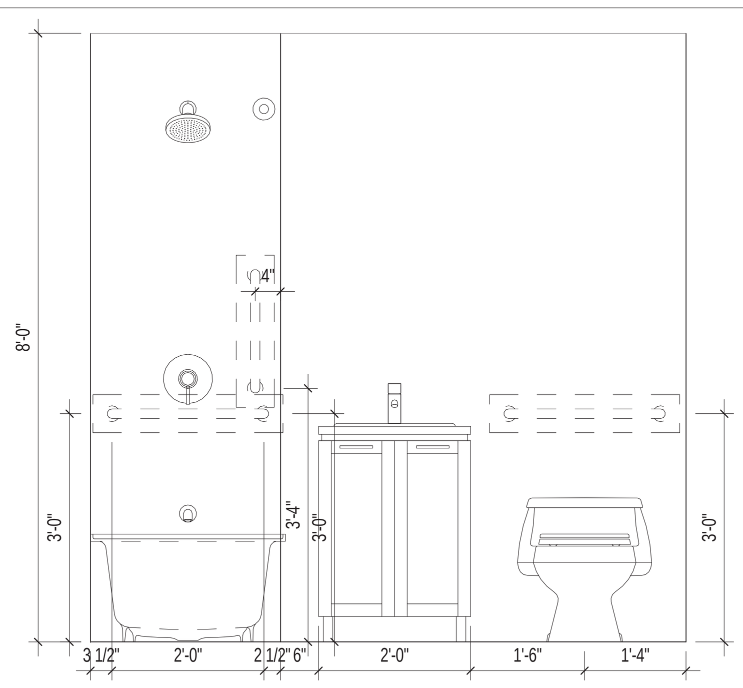
WATER CLOSETS:
CLEAR FLOOR SPACE AT THE WATER CLOSET SHALL BE AS SHOWN.

THE HEIGHT OF THE WATER CLOSET SHALL BE AT LEAST 15" & NO MORE THAN 19", MEASURED TO THE TOP OF THE TOILET SEAT.

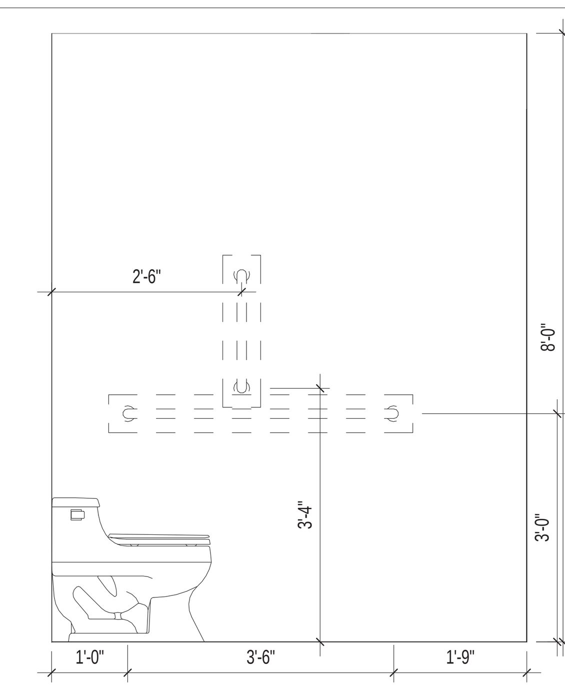
GRAB BARS SHALL BE INSTALLED AS SHOWN, AND SHALL COMPLY WITH SECTIONS 604.9,607.4,608.3, & 608.4, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS IN THE LOCATION SHOWN.



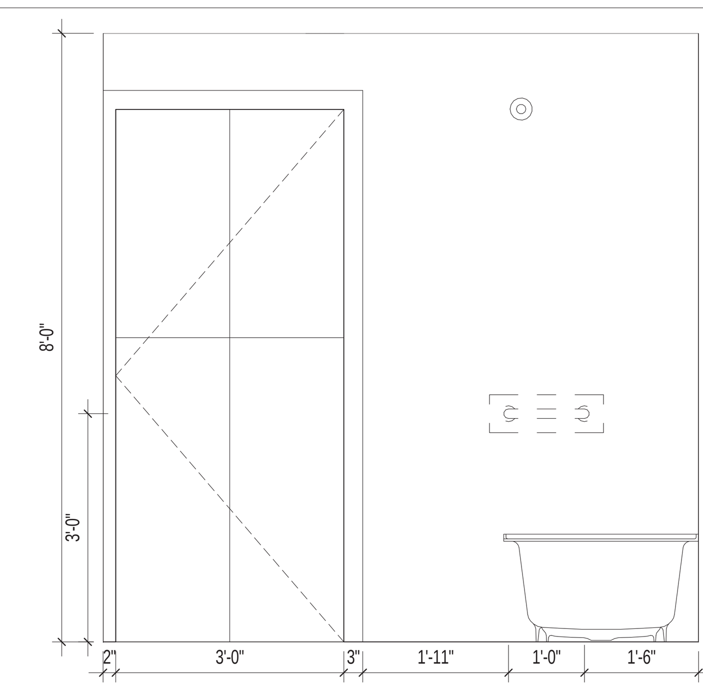
1 BATHROOM TYPICAL P
1/2" = 1'-0"



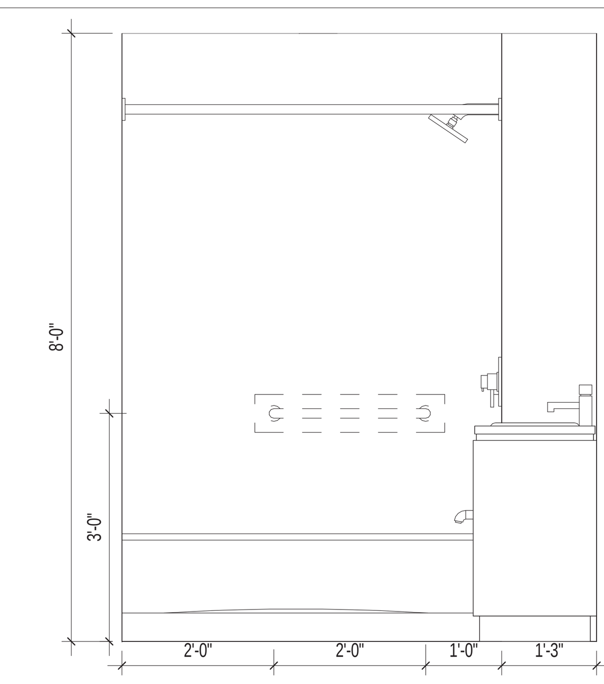
4 BATHROOM P - ELEVATION A
1/2" = 1'-0"



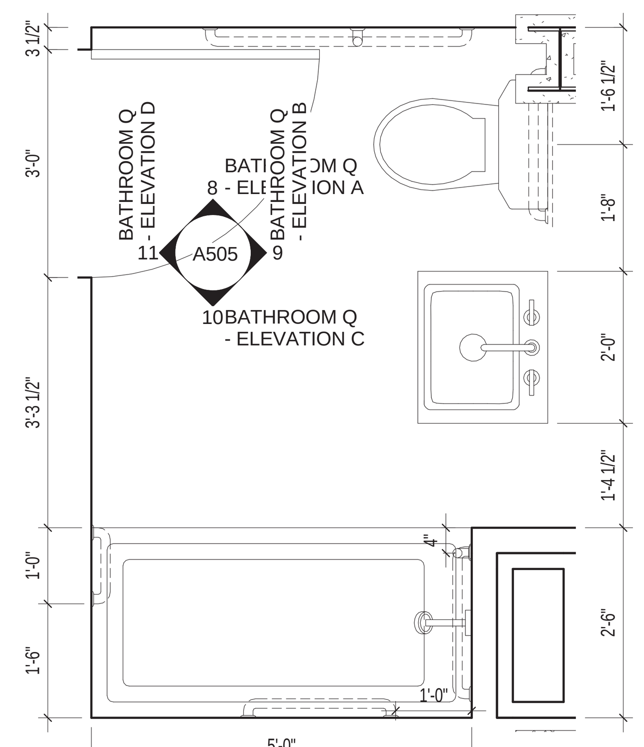
5 BATHROOM P - ELEVATION B
1/2" = 1'-0"



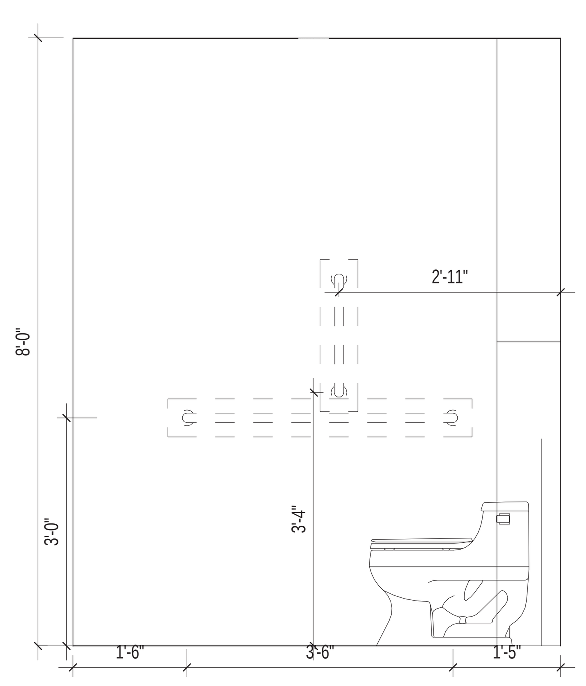
6 BATHROOM P - ELEVATION C
1/2" = 1'-0"



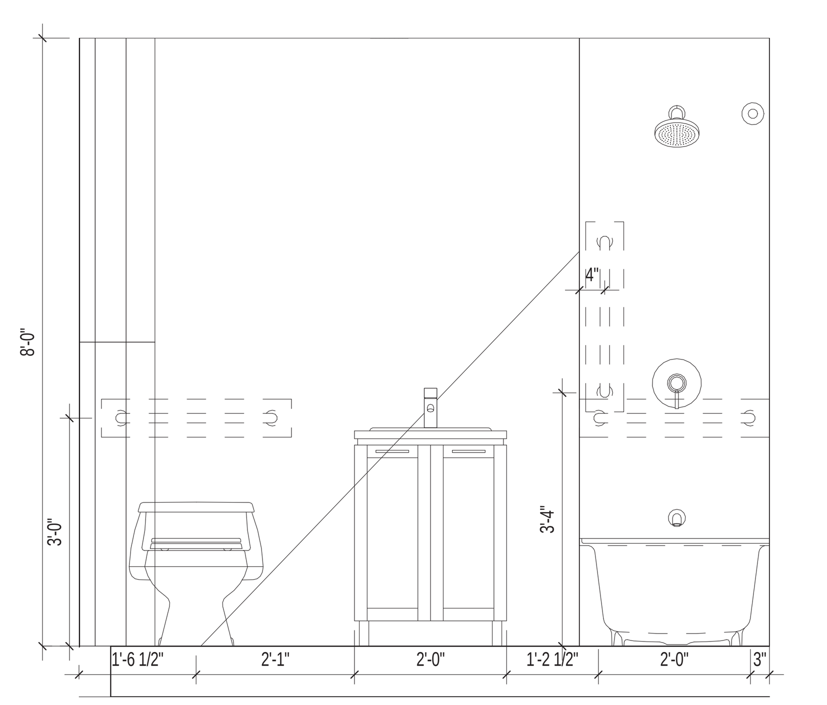
7 BATHROOM P - ELEVATION D
1/2" = 1'-0"



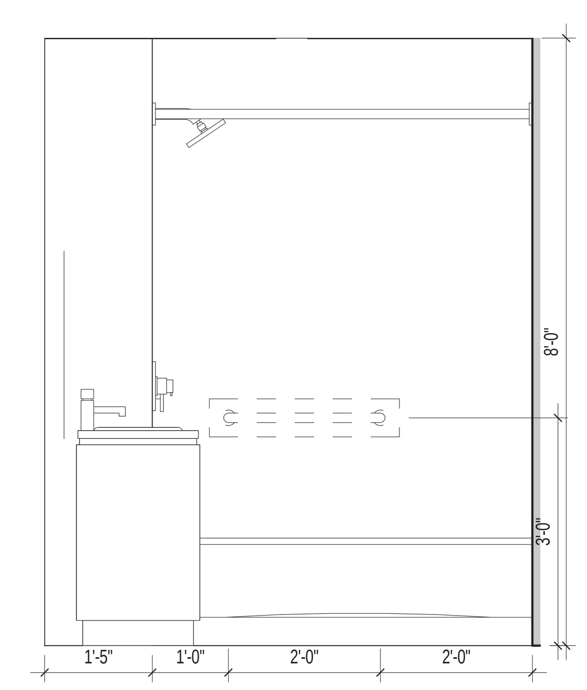
2 BATHROOM TYPICAL Q
1/2" = 1'-0"



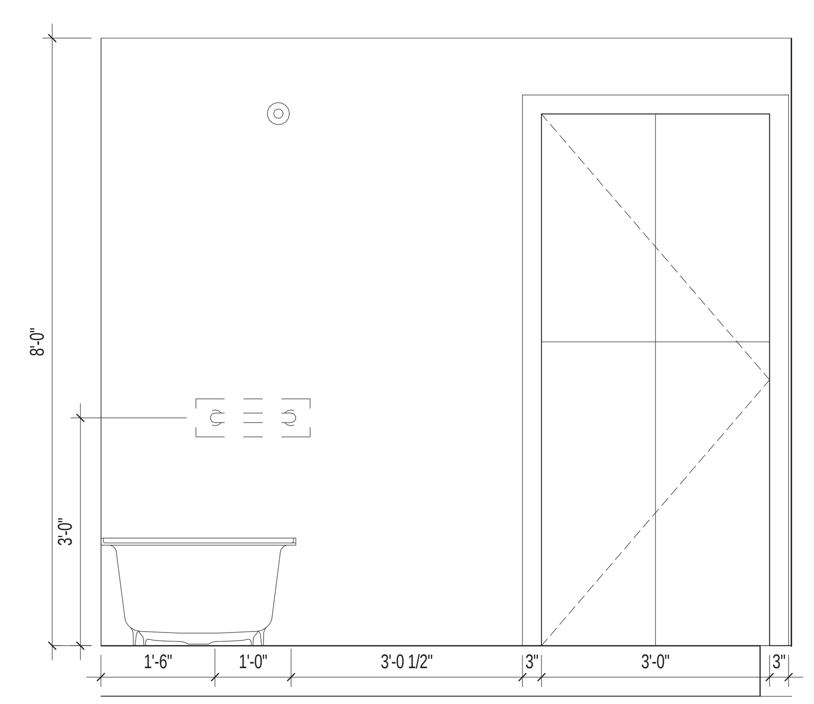
8 BATHROOM Q - ELEVATION A
1/2" = 1'-0"



9 BATHROOM Q - ELEVATION B
1/2" = 1'-0"



10 BATHROOM Q - ELEVATION C
1/2" = 1'-0"



11 BATHROOM Q - ELEVATION D
1/2" = 1'-0"

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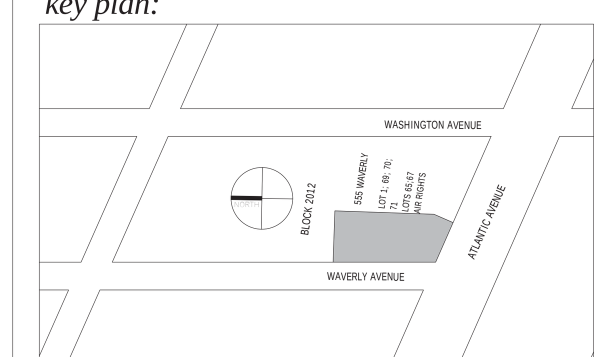
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

TYPICAL BATHROOM LAYOUTS

SEAL & SIGNATURE

DATE:	01/12/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	1/2" = 1'-0"
DWG No:	

A505.00

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S CO — SMOKE/CARBON MONOXIDE DETECTOR

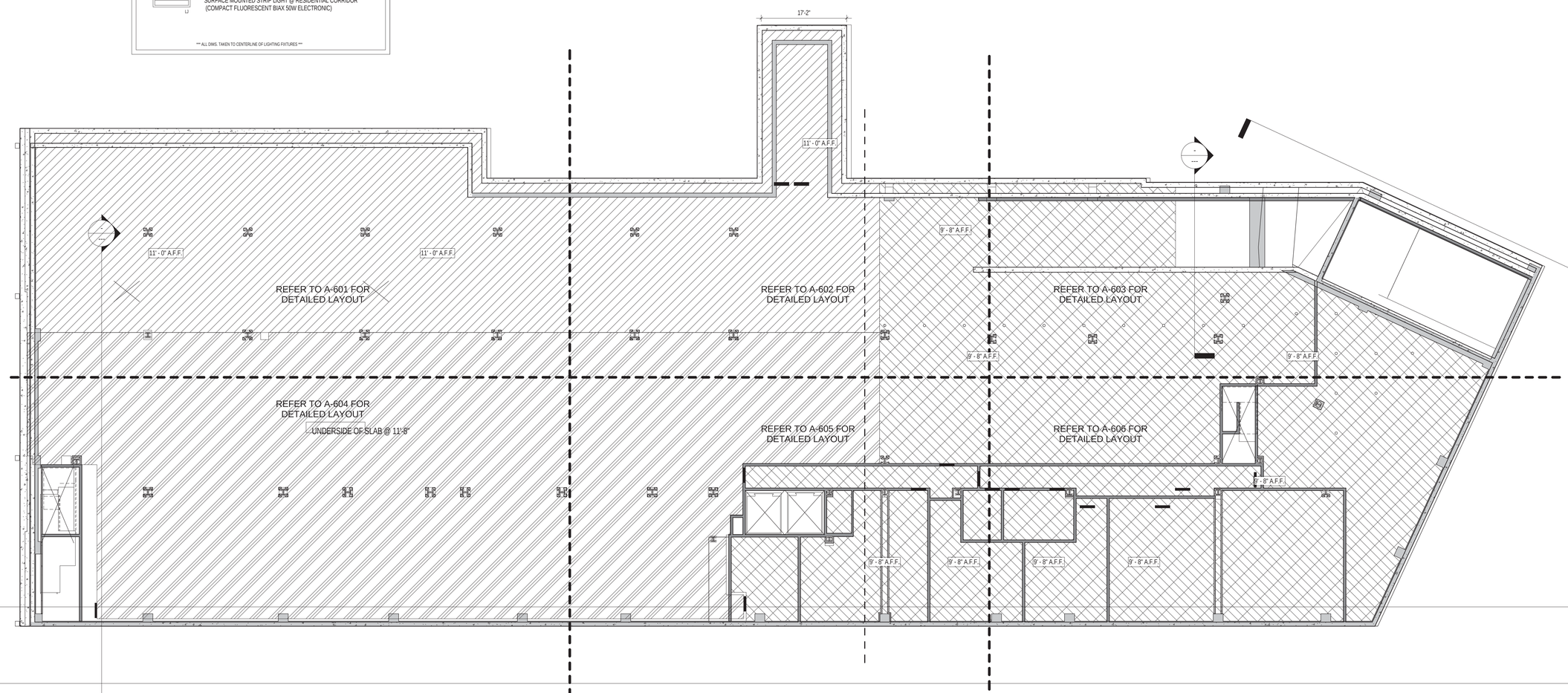
REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 — PENDANT DOWNLIGHT @ KITCHENS ('J': JUNCTION BOX)
- LB — RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC — UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF — SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***



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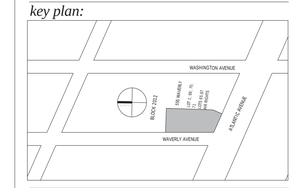
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

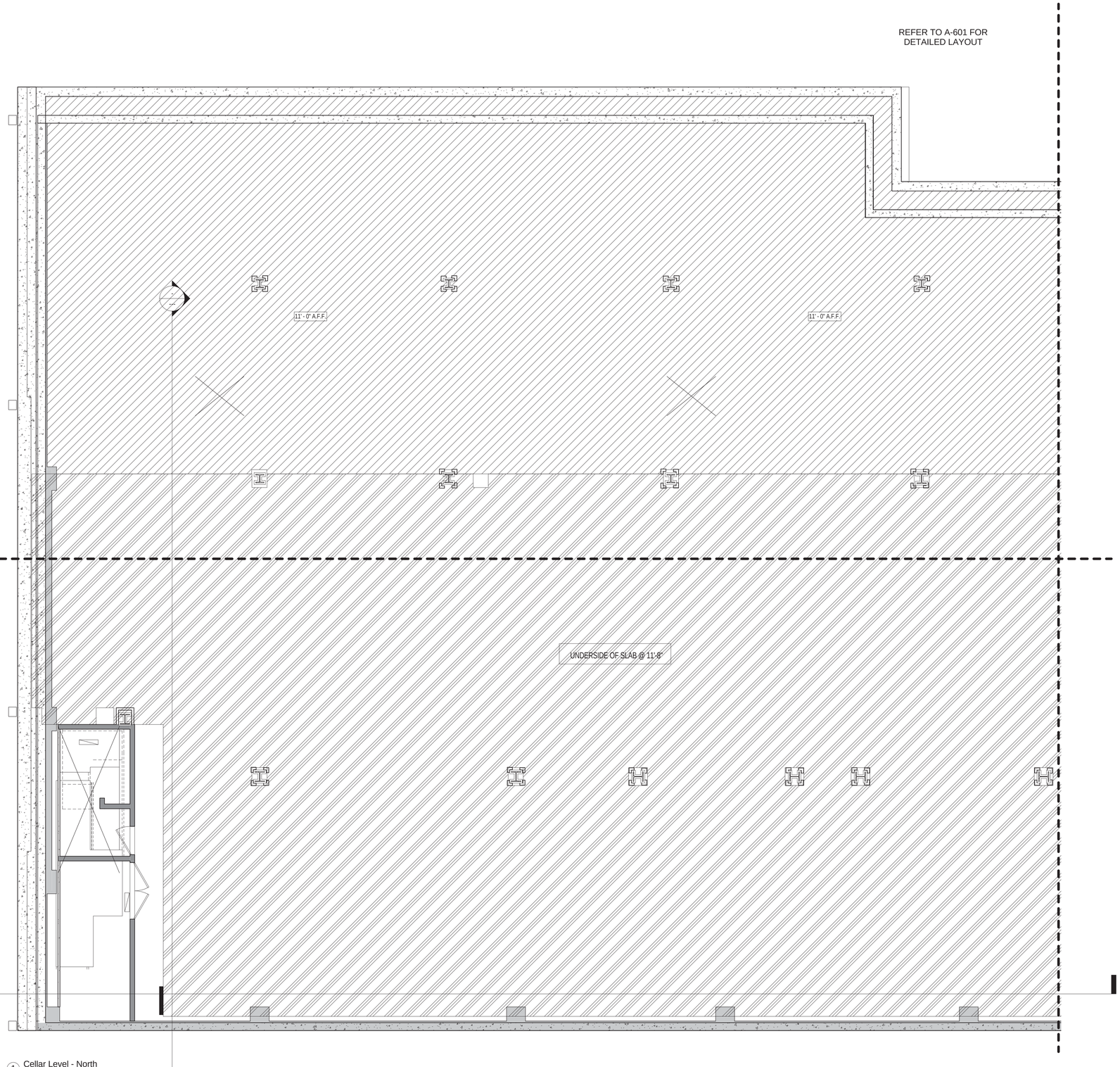
02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR - RCP KEYPLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
STATE OF NEW YORK
02522 15

DATE:	01/16/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A600.00



1 Cellar Level - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
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3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
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7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

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- LC — UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
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- REM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- L2 — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

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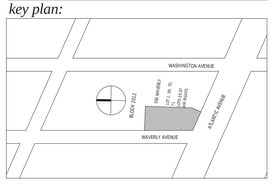

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR RCP - NORTH

SEAL & SIGNATURE:

DATE:	11/19/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	

A601.00

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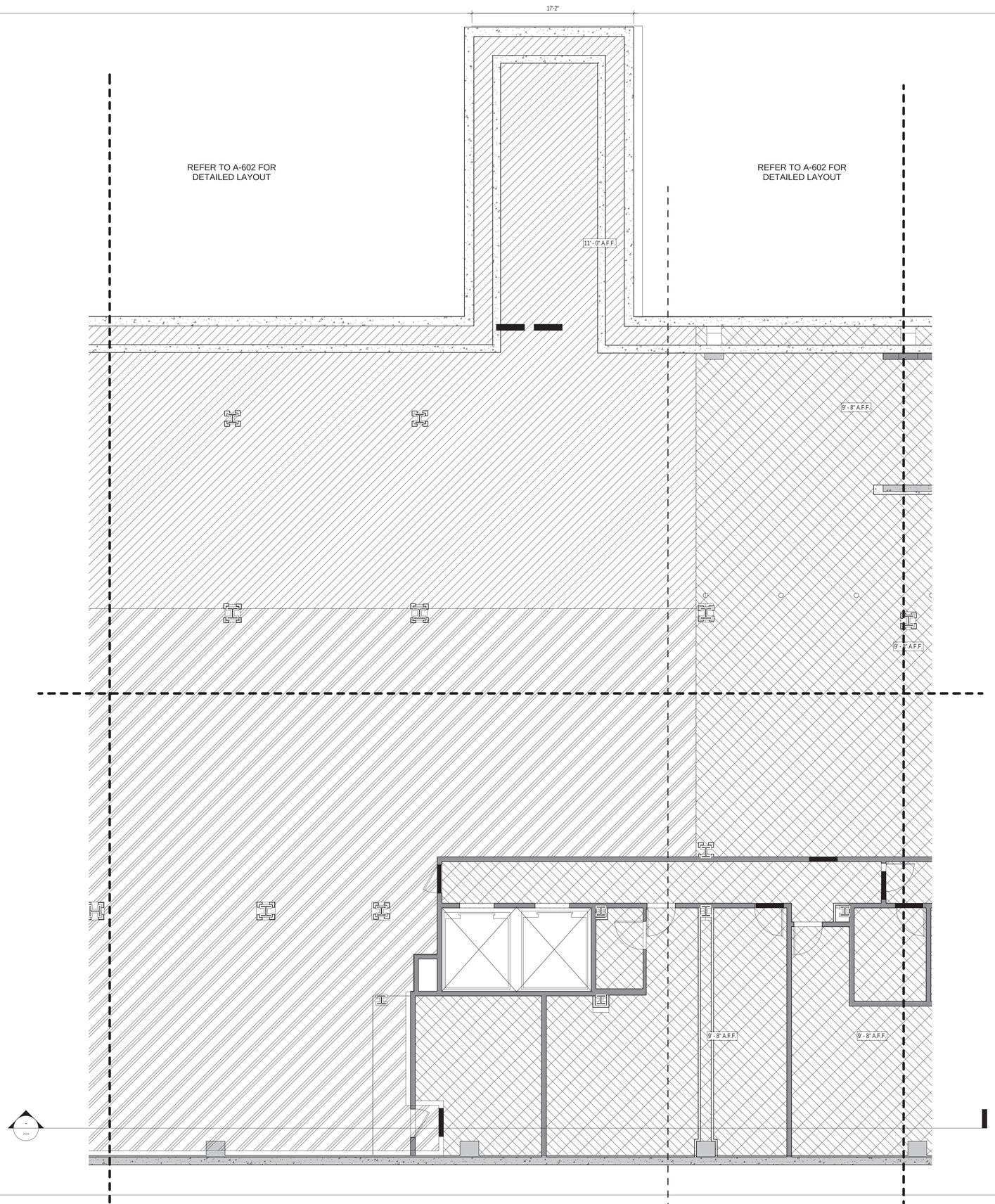

CEILING HEIGHT LEGEND

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- S/CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
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4. SPRINKLER HEADS, SEE F.P. PLANS.
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*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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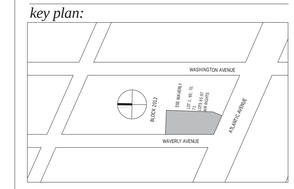

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR RCP - MIDDLE

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
STATE OF NEW YORK
025215

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A602.00

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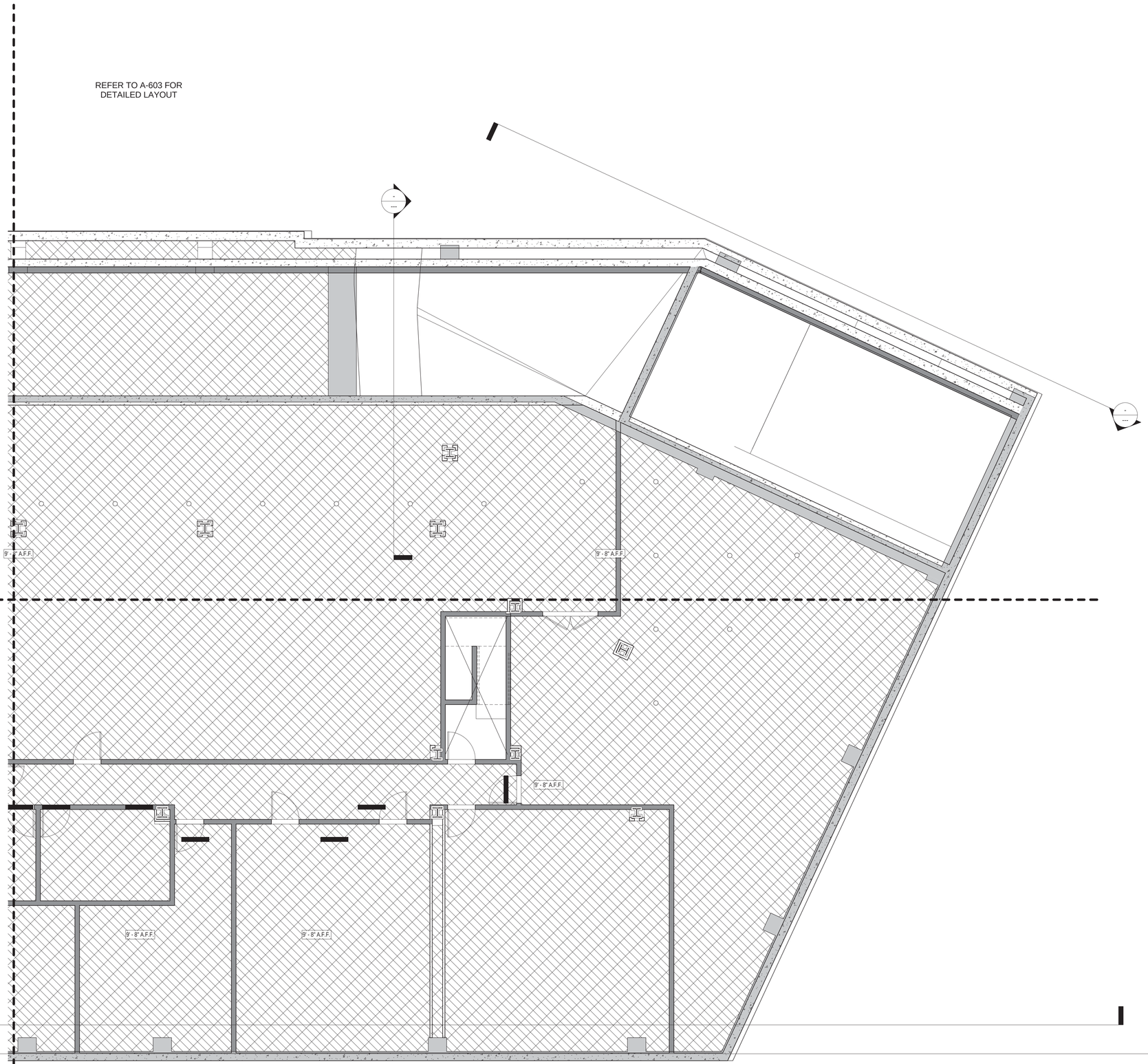

CEILING HEIGHT LEGEND

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- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
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3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
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2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
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4. SPRINKLER HEADS, SEE F.P. PLANS.
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*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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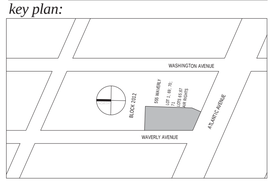

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR RCP - SOUTH

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A603.00

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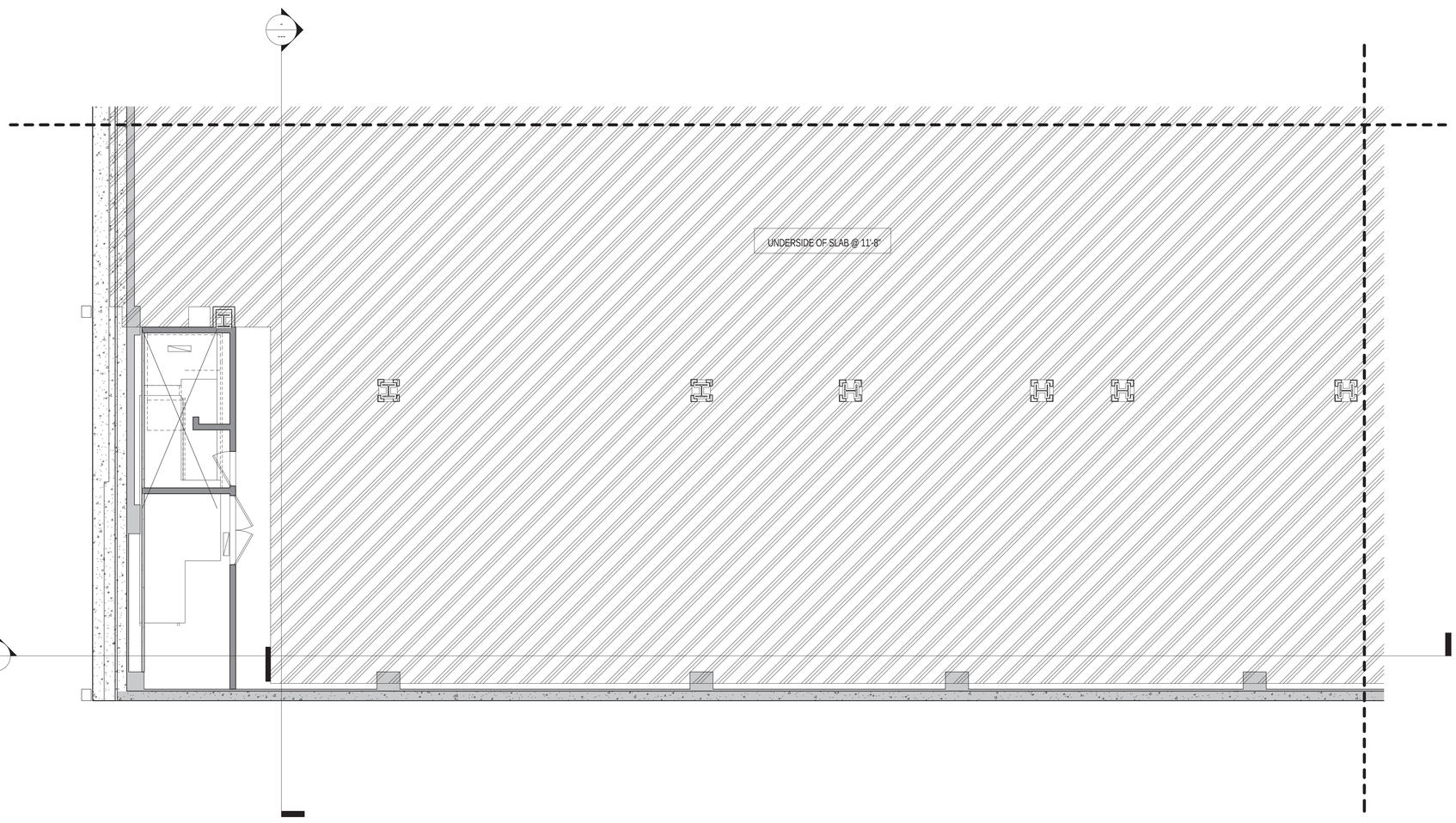

1 Cellar Level - NORTH WEST
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

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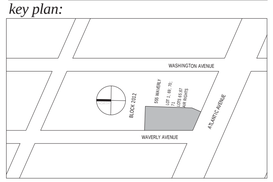

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR RCP - NORTH WEST

SEAL & SIGNATURE

REGISTERED ARCHITECT
HERMAN THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	01/29/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A604.00

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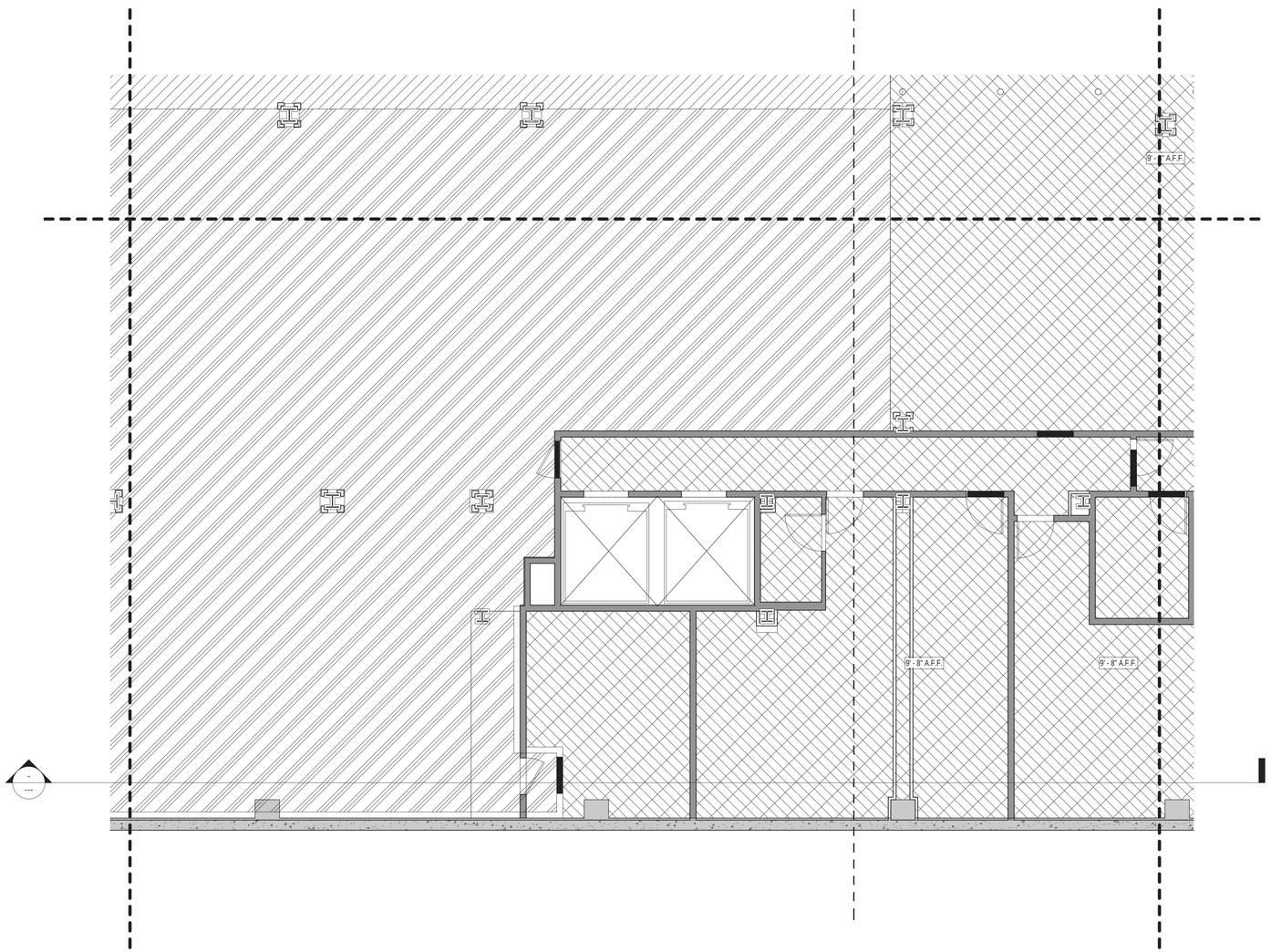

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3/16" = 1'-0"

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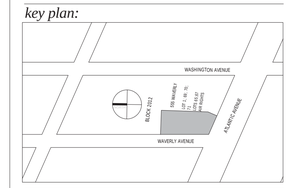

project:
555 WAVERLY
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revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
CELLAR RCP - MIDDLE WEST

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/29/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A605.00

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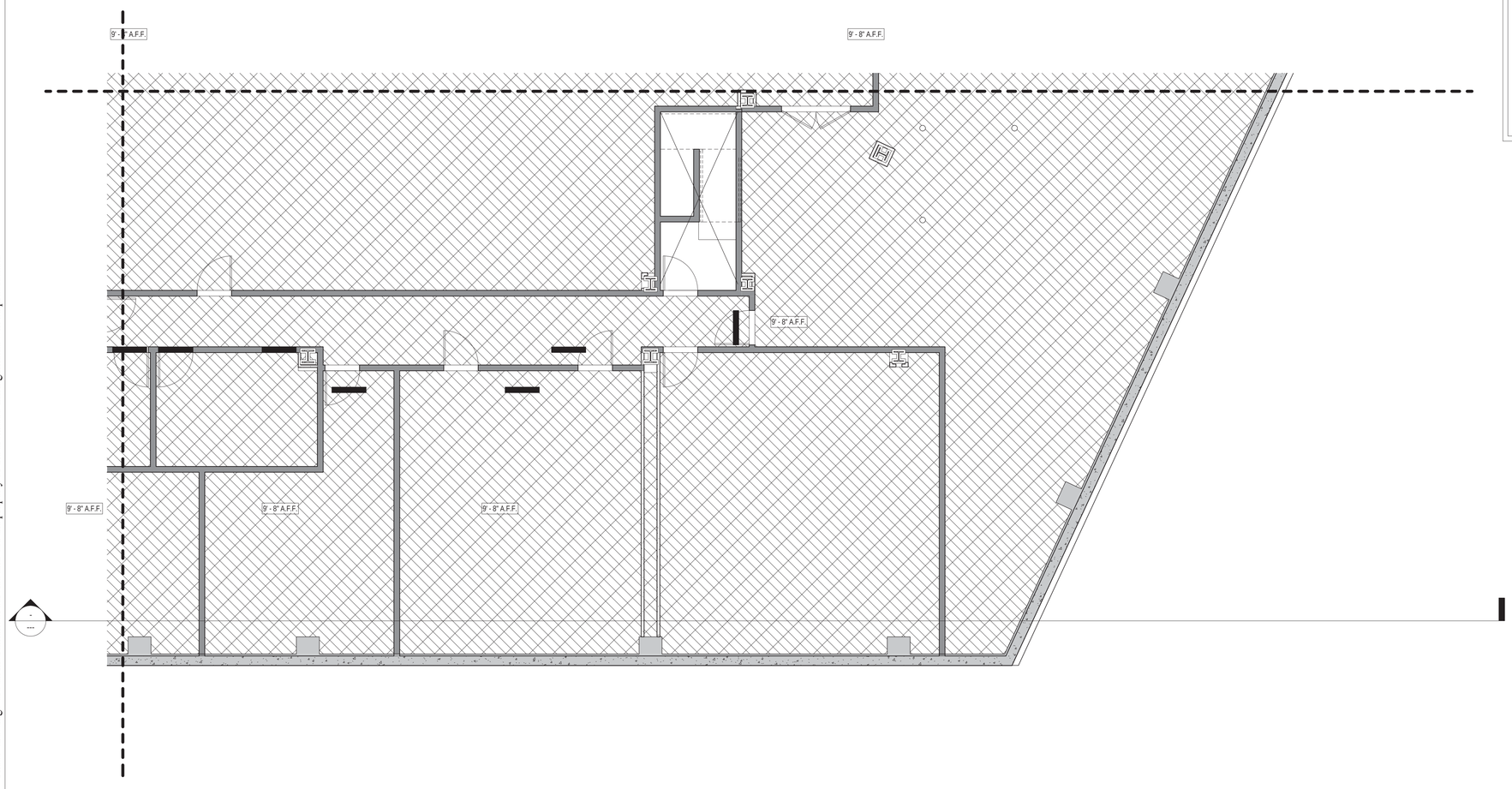

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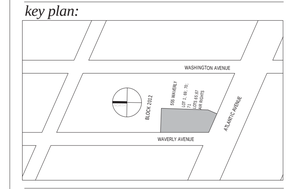

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

CELLAR RCP - SOUTH WEST

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	01/29/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A606.00

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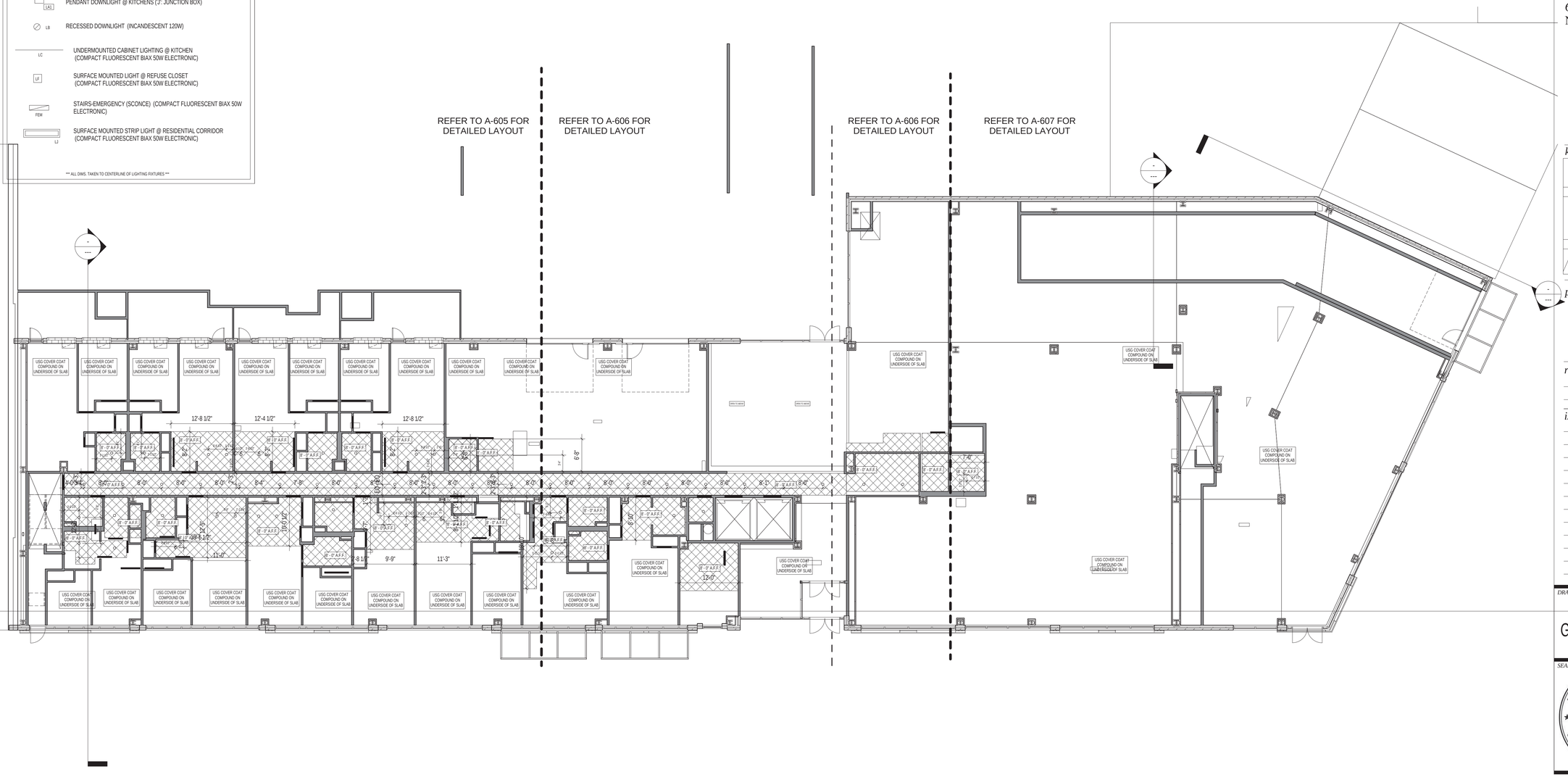

1 Ground Floor - RCP KEYPLAN
3/32" = 1'-0"

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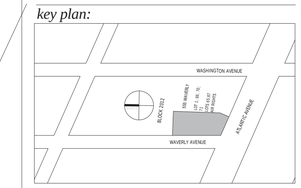

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
GROUND FLOOR - RCP KEYPLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'DONNELL JR. 025215 STATE OF NEW YORK

DATE:	01/16/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
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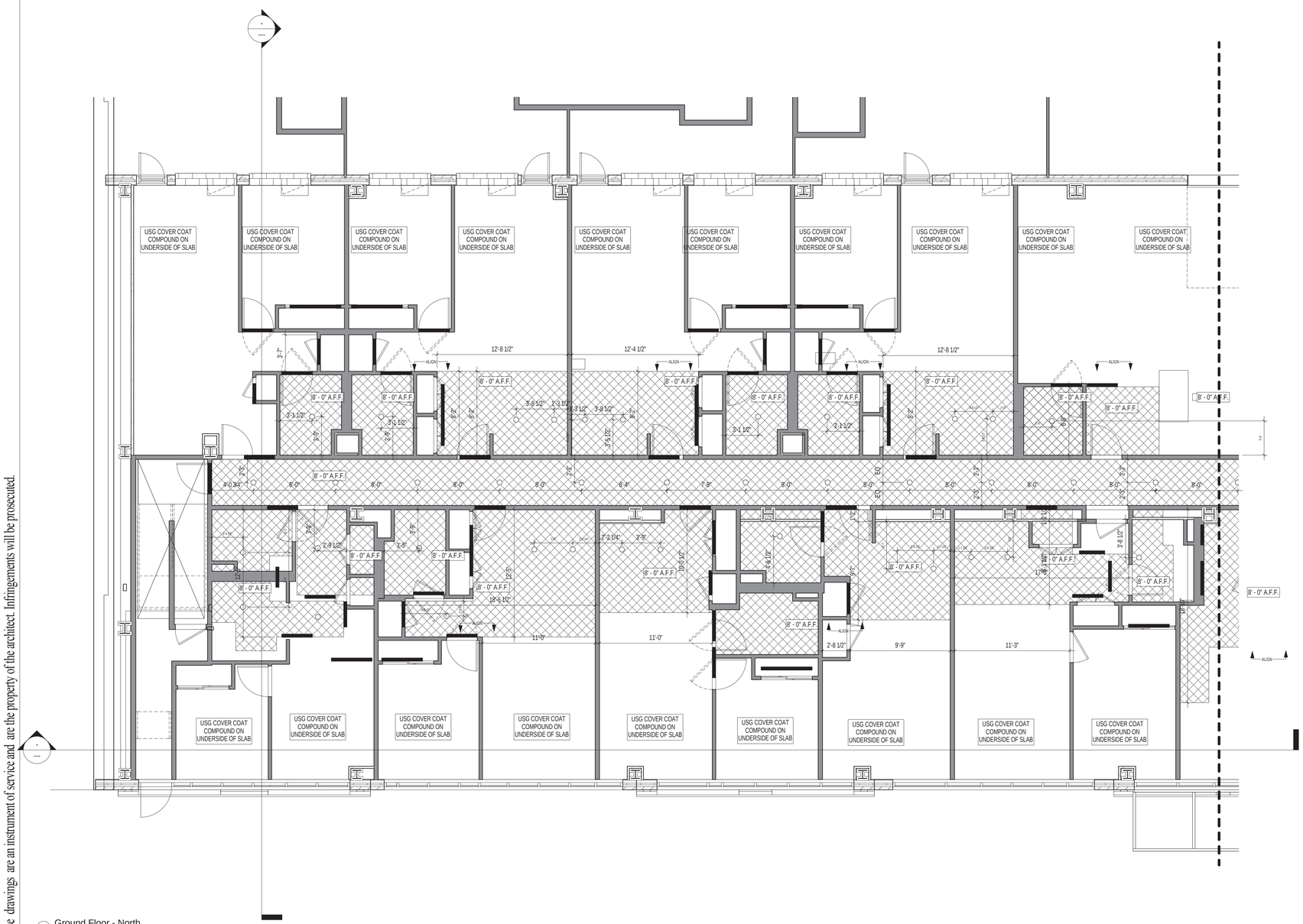

1 Ground Floor - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 PENDANT DOWNLIGHT @ KITCHENS (3": JUNCTION BOX)
- LB RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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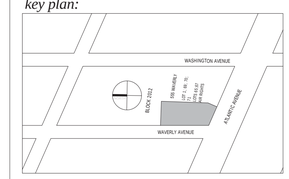
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

GROUND FLOOR RCP - NORTH

SEAL & SIGNATURE

REGISTERED ARCHITECT
HERMT THOMAS O'HAGAN JR.
025215
STATE OF NEW YORK

DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A608.00

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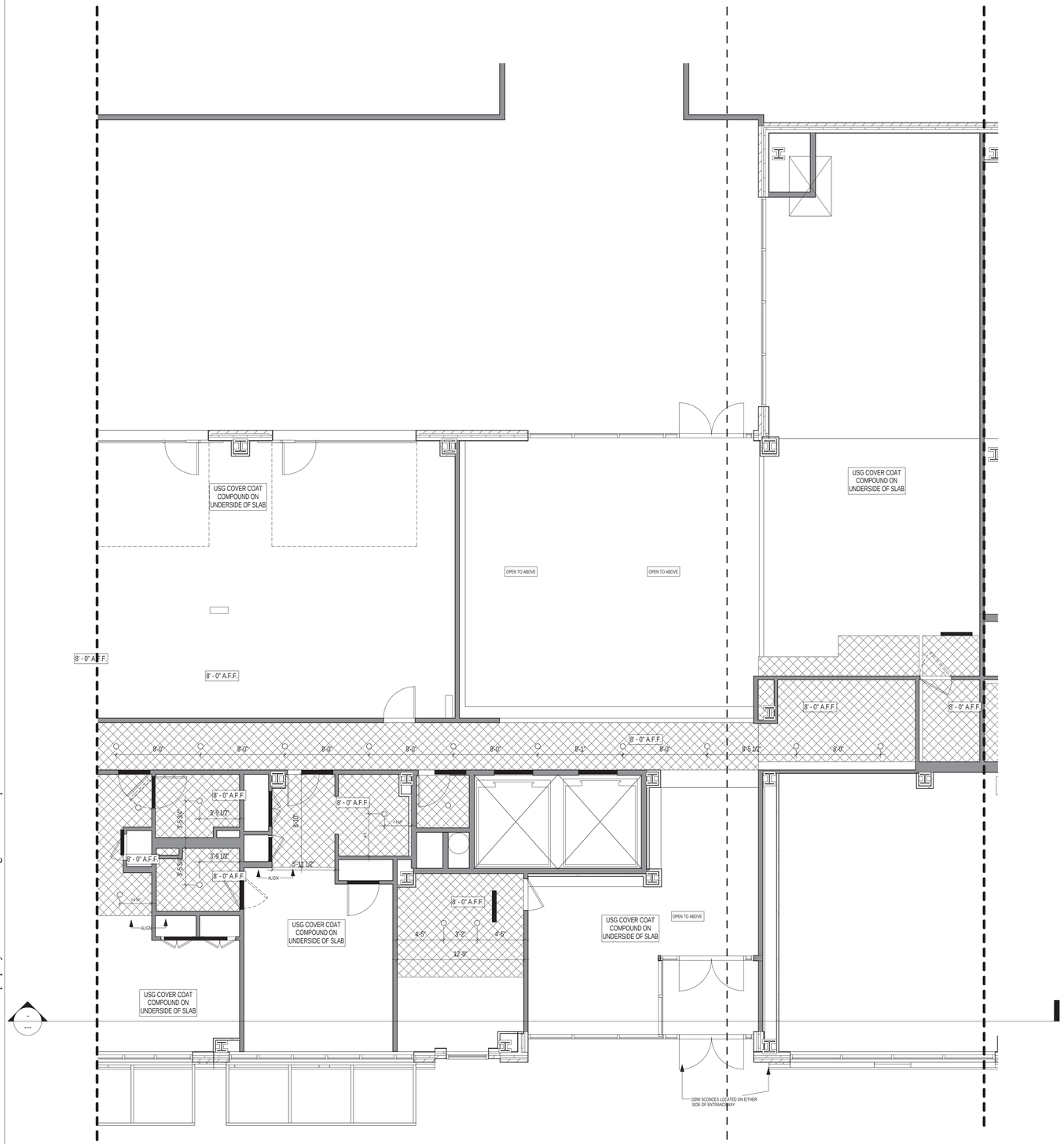

1 Ground Floor - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING. REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LXL — PENDANT DOWNLIGHT @ KITCHENS (J': JUNCTION BOX)
- LS — RECESSED DOWNLIGHT (INCANDESCENT 120W)
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- LF — SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
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*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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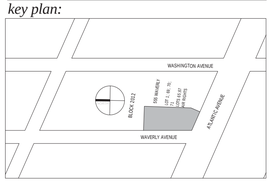
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
GROUND FLOOR RCP - MIDDLE

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A609.00

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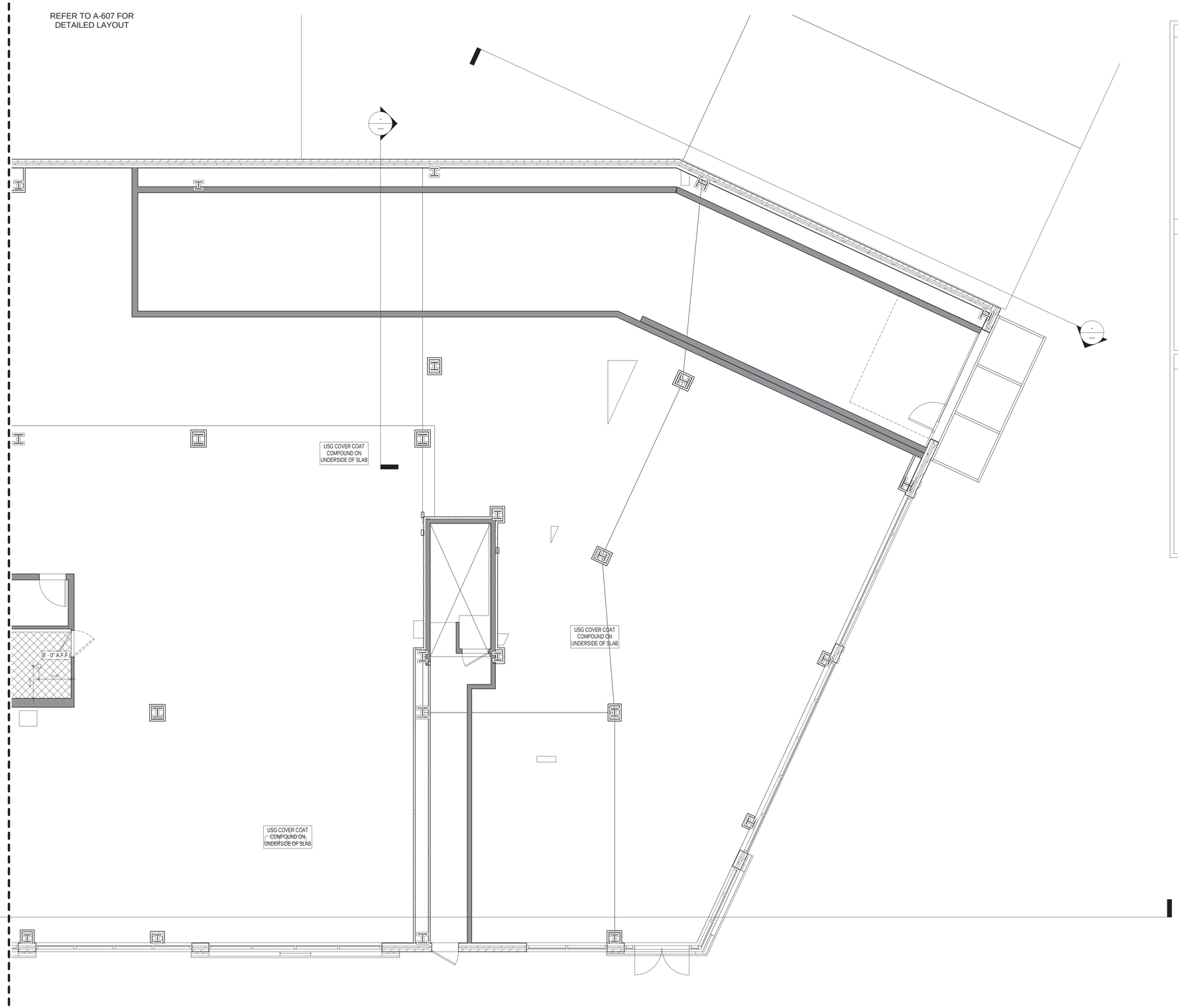

1 Ground Floor - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
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LIGHT FIXTURE LEGEND

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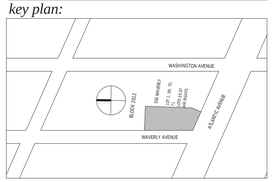

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
GROUND FLOOR RCP - SOUTH

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A610.00

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CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
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LIGHT FIXTURE LEGEND

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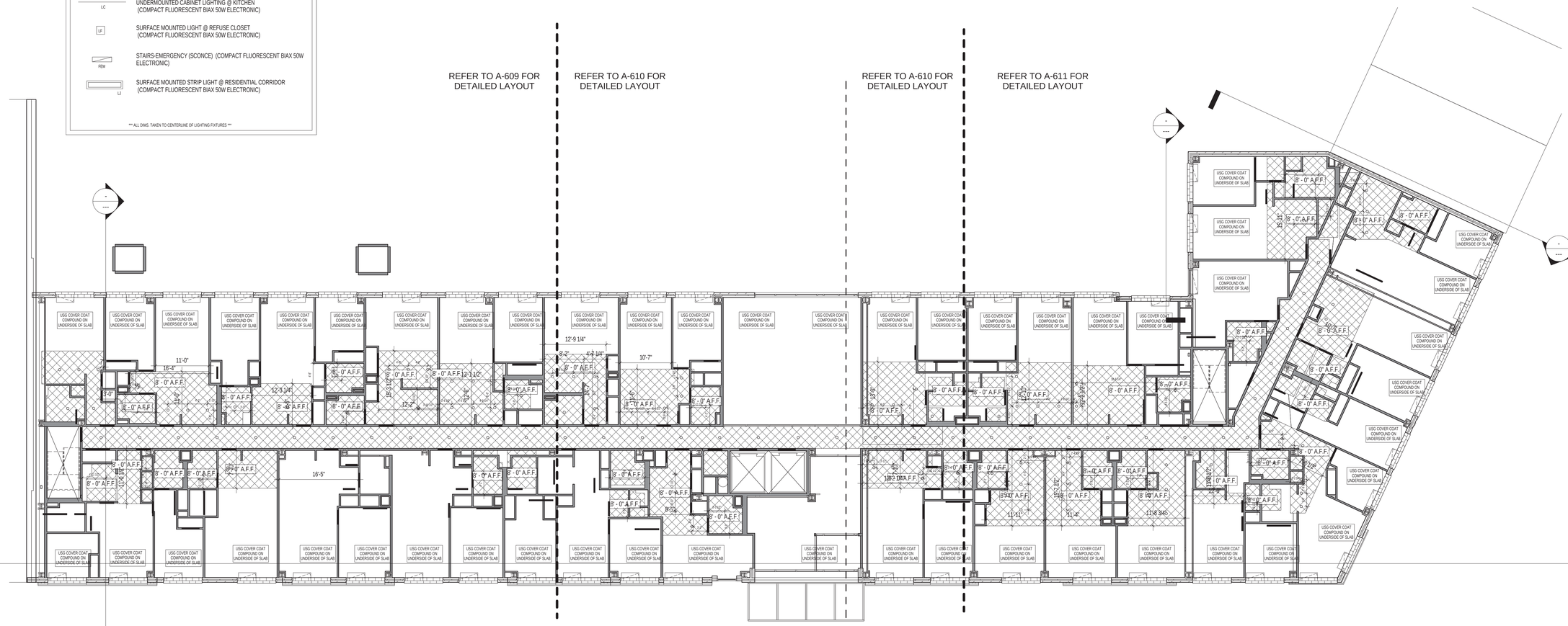
*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***



1 Level 2 - RCP KEYPLAN
3/32" = 1'-0"

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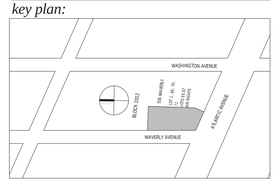

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
SECOND FLOOR - RCP KEYPLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/16/15
PROJECT No:	14024
DRAWING BY:	Author
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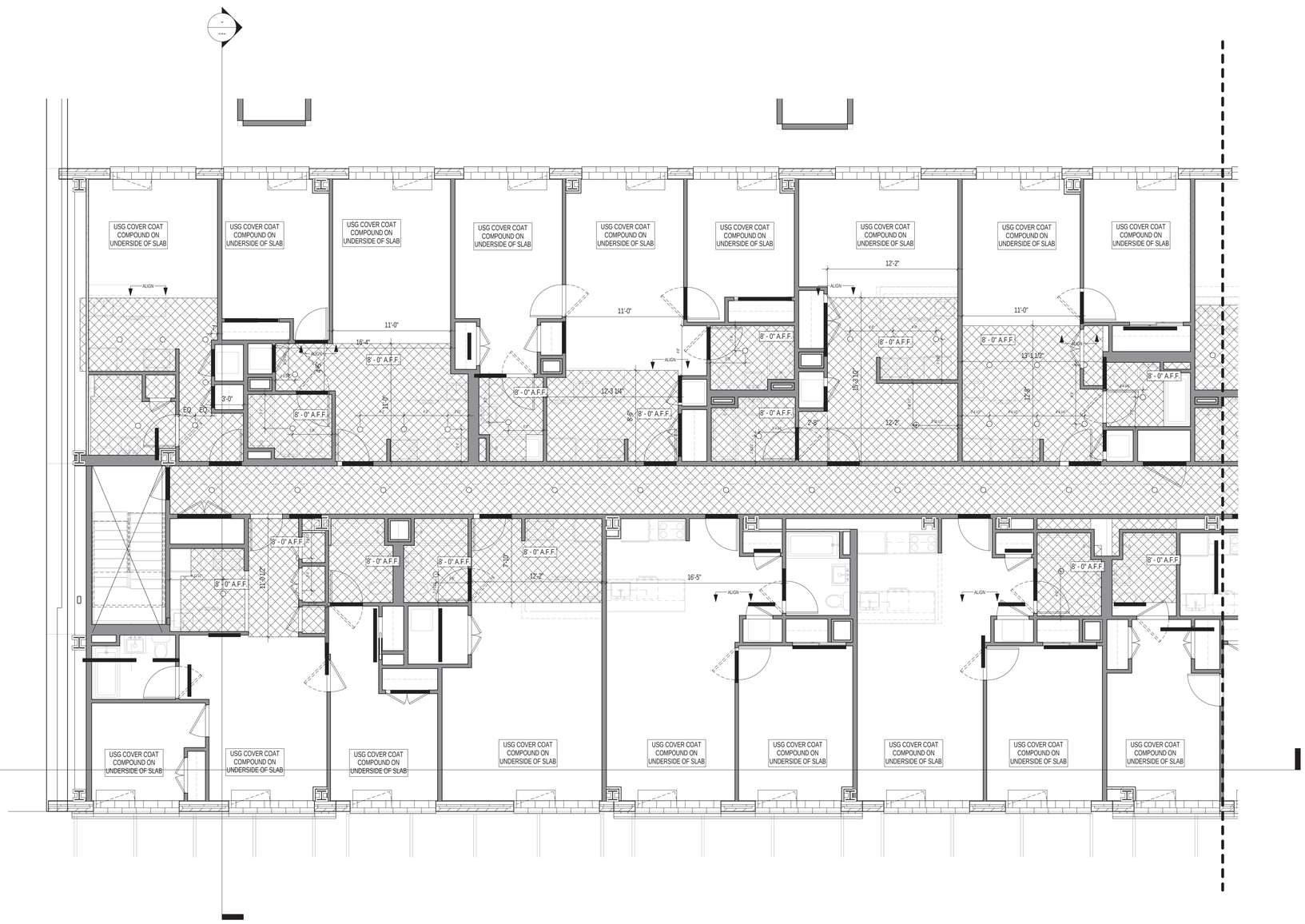
SCALE:	As indicated
DWG No:	A611.00



1 Level 2 - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
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- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION:
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
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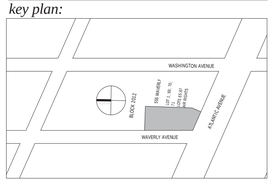

project:
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NEW YORK, NY 11238

revisions:

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DRAWING TITLE
SECOND FLOOR RCP - NORTH

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'ROURKE JR. 025215 STATE OF NEW YORK

DATE:	11/05/14
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DRAWING BY:	ard
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SCALE:	As indicated
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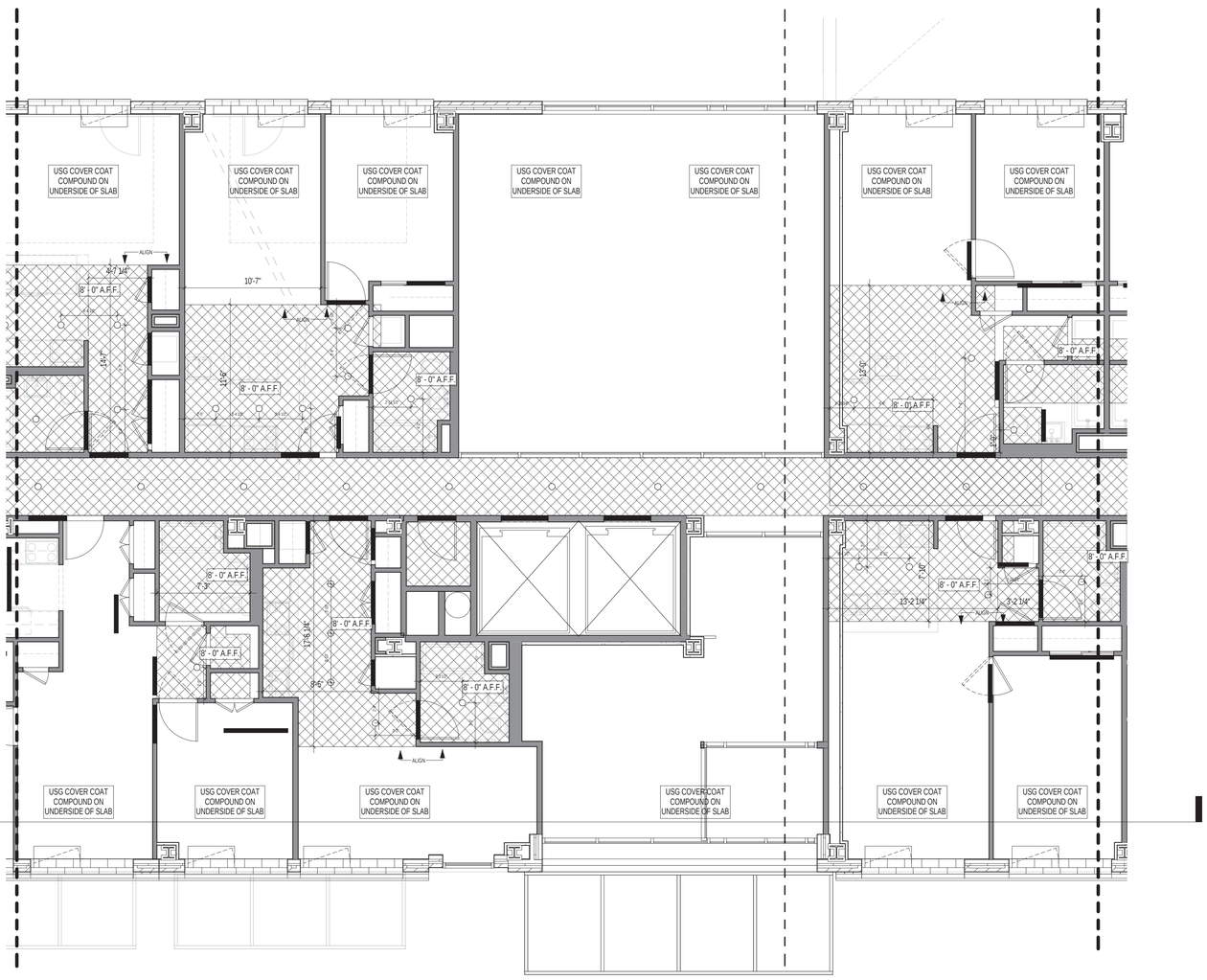

1 Level 2 - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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REFLECTED CEILING NOTES:

NOTES - LOCATION:
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8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 — PENDANT DOWNLIGHT @ KITCHENS (3": JUNCTION BOX)
- LB — RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC — UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF — SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

Executive Architect:
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MEP Engineer:
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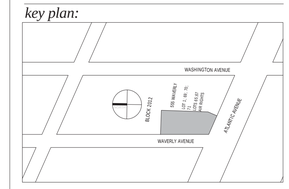
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SECOND FLOOR RCP - MIDDLE

SEAL & SIGNATURE:

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A613.00

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REFER TO A-611 FOR
DETAILED LAYOUT

1 Level 2 - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 PENDANT DOWNLIGHT @ KITCHENS (3": JUNCTION BOX)
- LB RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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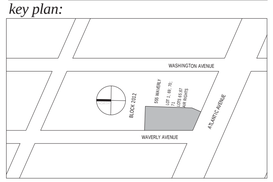
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SECOND FLOOR RCP - SOUTH

SEAL & SIGNATURE:

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	

A614.00

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CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
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- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO — SMOKE/CARBON MONOXIDE DETECTOR

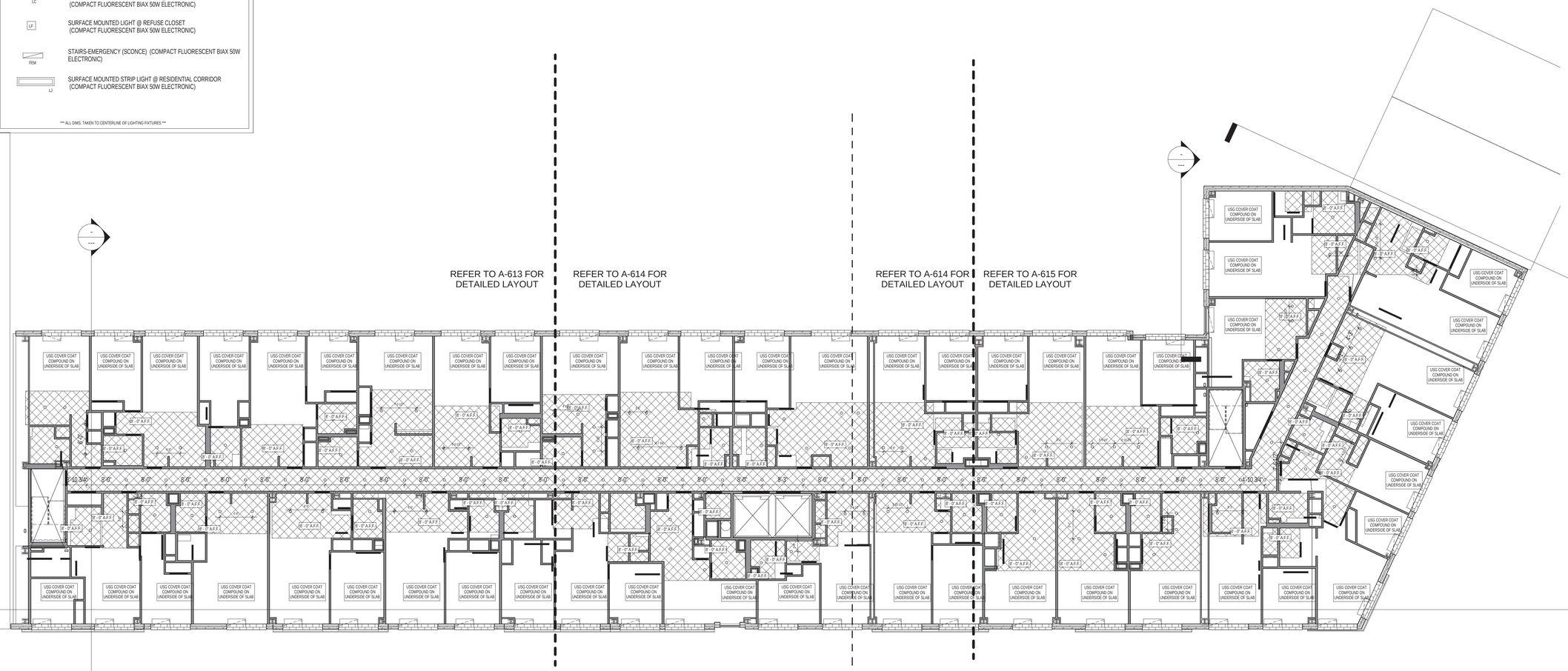
REFLECTED CEILING NOTES:

NOTES - LOCATION:
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 9-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 — PENDANT DOWNLIGHT @ KITCHENS ('J': JUNCTION BOX)
- LB — RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC — UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF — SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***



1 Level 3 - RCP KEYPLAN
3/32" = 1'-0"

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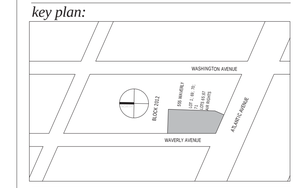


project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

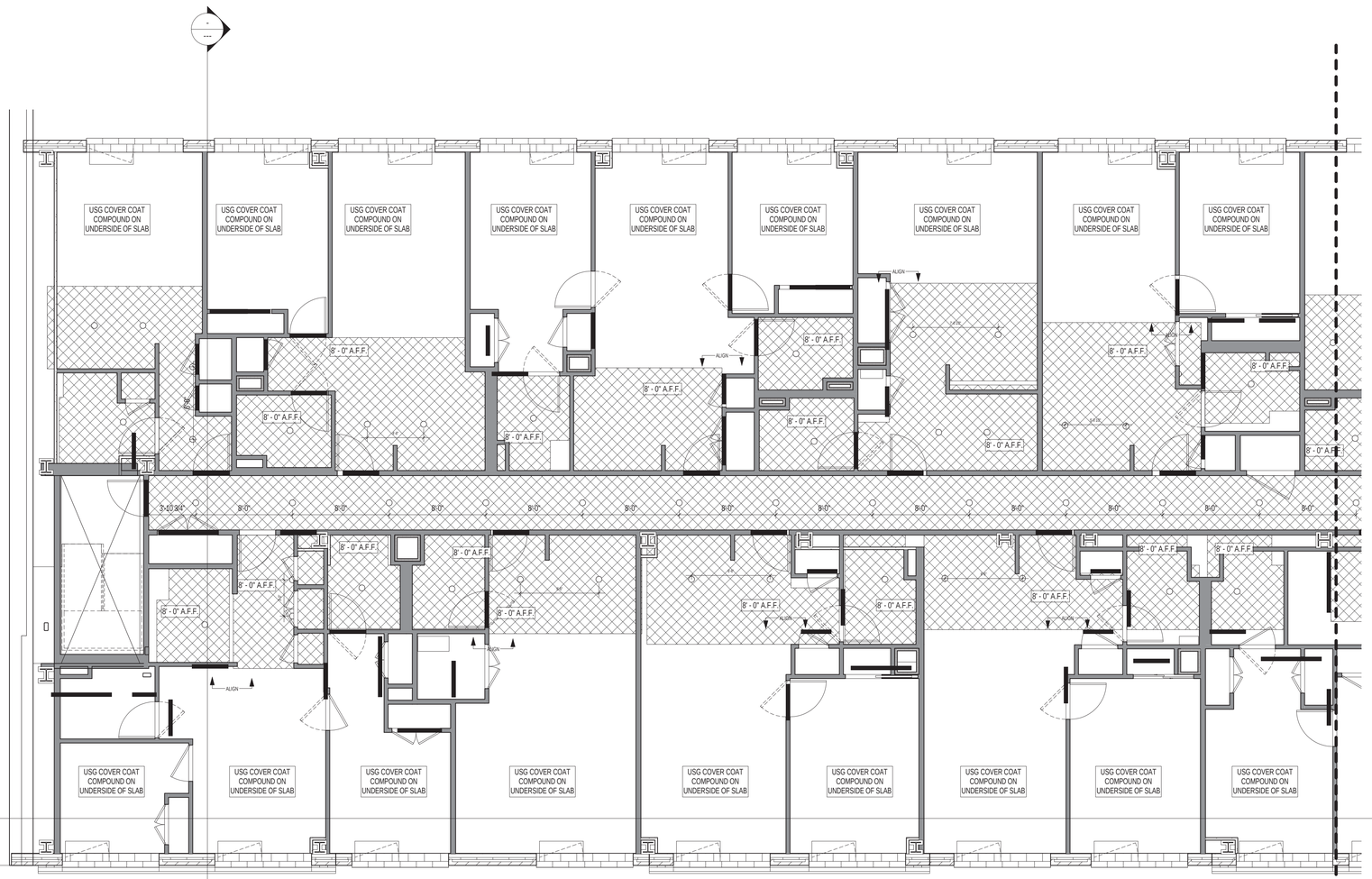
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR - RCP KEYPLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/16/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A615.00



1 Level 3 - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES: - LOCATION:
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
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4. SPRINKLER HEADS, SEE F.P. PLANS.
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7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB, HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 — PENDANT DOWNLIGHT @ KITCHENS (7': JUNCTION BOX)
- LB — RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC — UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF — SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- L2 — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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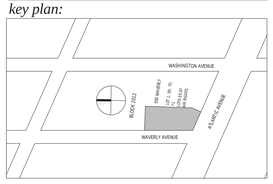
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

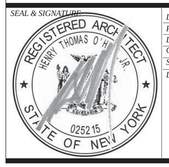
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

THIRD FLOOR RCP - NORTH

SEAL & SIGNATURE



DATE:	11/05/14
PROJECT No:	14024
DRAWING BY:	ari
CHECKED BY:	jorn
SCALE:	As indicated
DWG No:	A616.00

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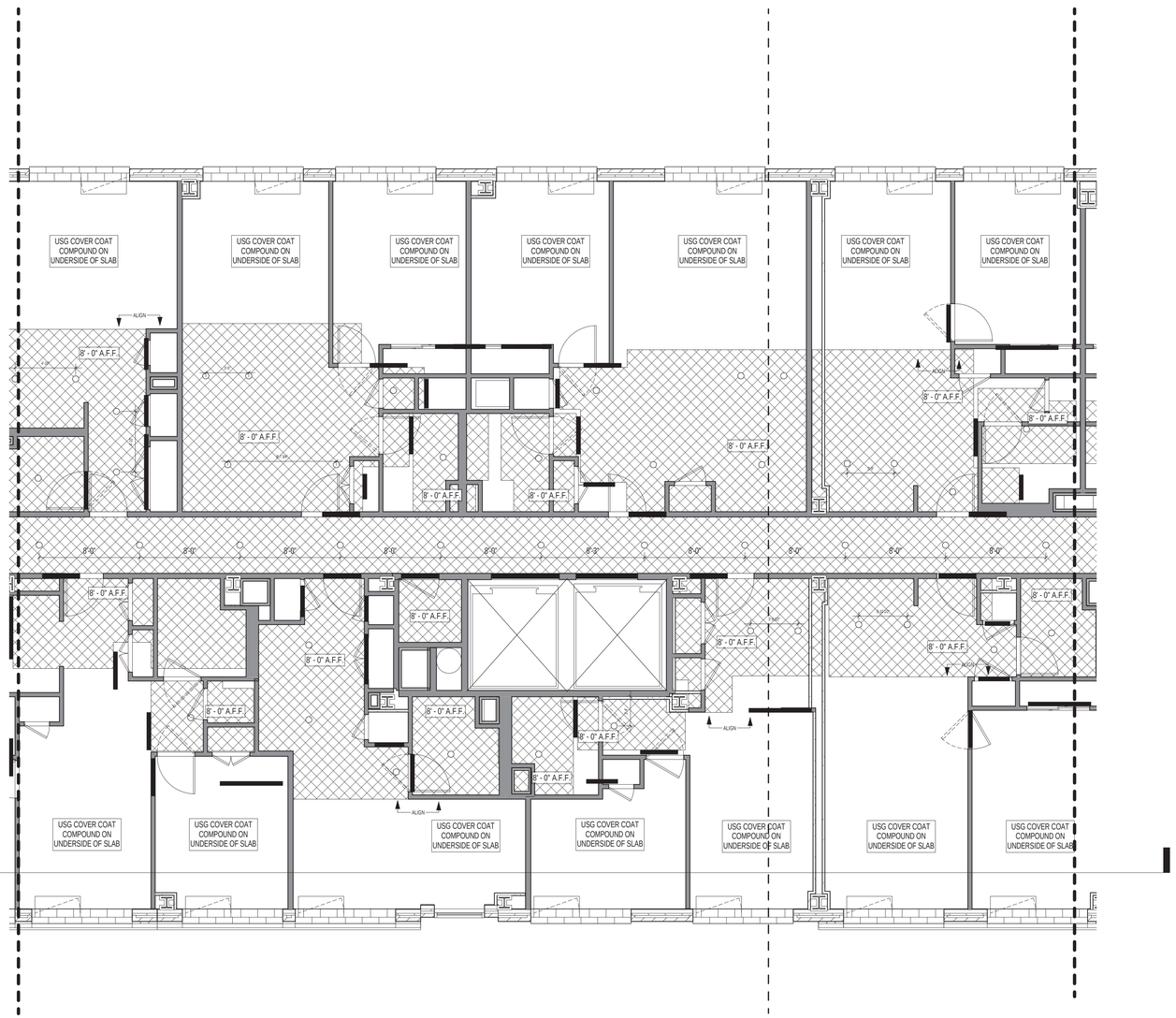

1 Level 3 - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
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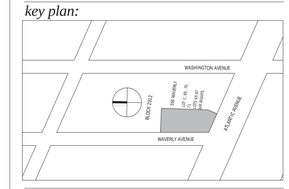

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR RCP - MIDDLE

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A617.00

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1 Level 3 - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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REFLECTED CEILING NOTES:

NOTES - LOCATION :
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*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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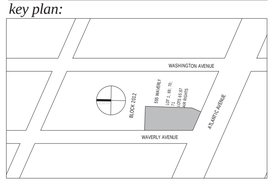
SJC ENGINEERING,PC

key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
THIRD FLOOR RCP - SOUTH

SEAL & SIGNATURE
REGISTERED ARCHITECT HERMT THOMAS O'HAGAN JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As Indicated
DWG No:	A618.00

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CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

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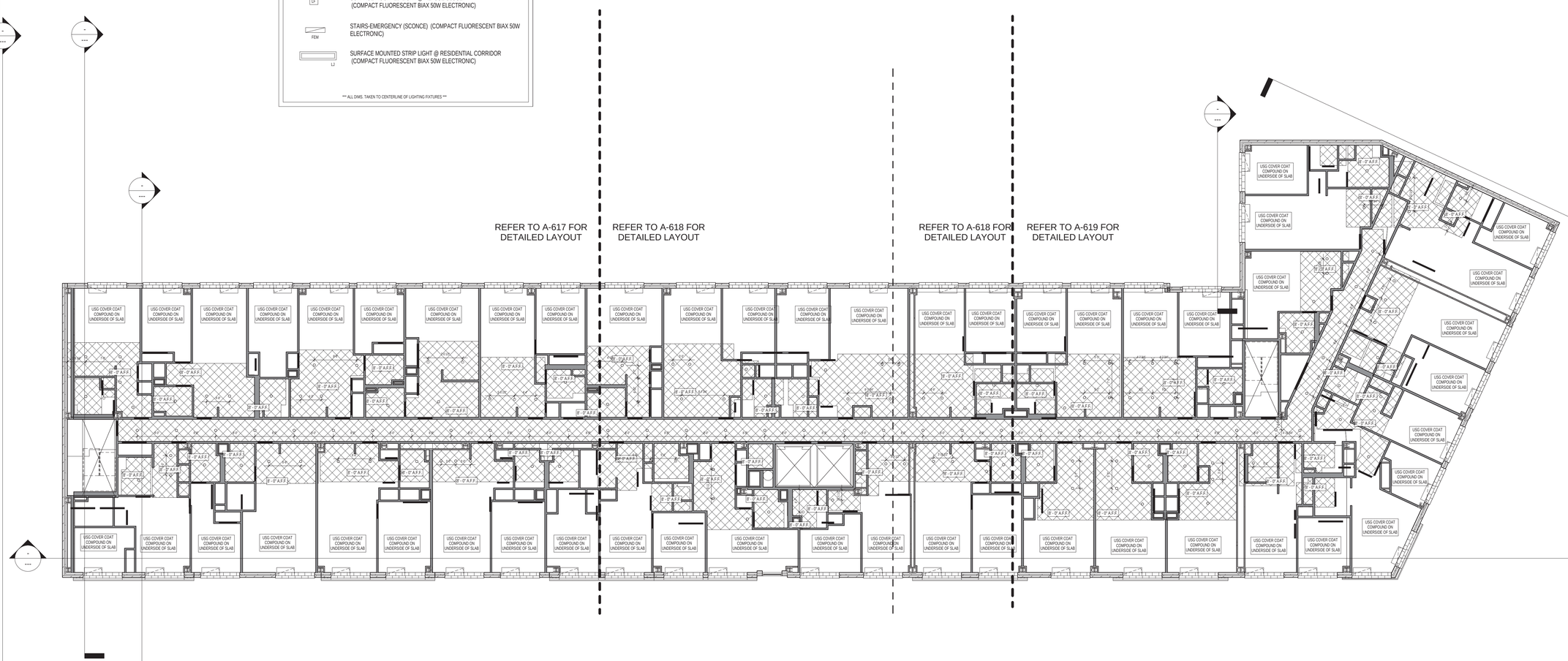
- L2 — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***



1 LEVEL 4 - KEYPLAN
3/32" = 1'-0"

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MEP Engineer:
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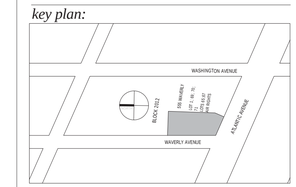

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
FOURTH FLOOR RCP - KEYPLAN

SEAL & SIGNATURE
REGISTERED ARCHITECT HERMT THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/23/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A619.00

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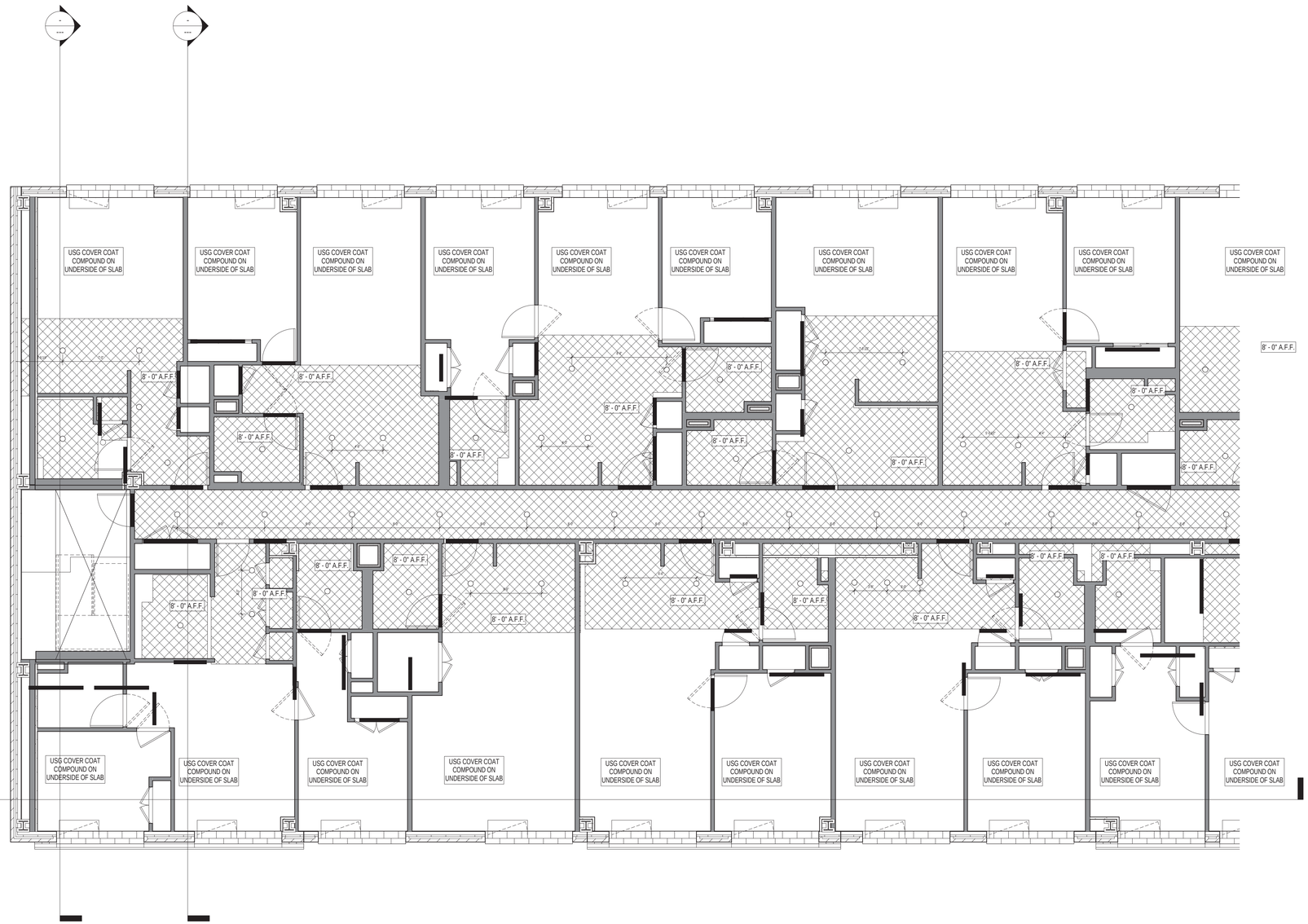

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REFLECTED CEILING NOTES:

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- FEM — STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ — SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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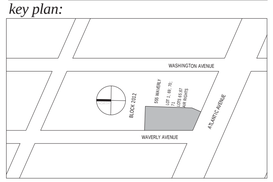
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

FOURTH FLOOR RCP - NORTH

SEAL & SIGNATURE

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/23/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A620.00

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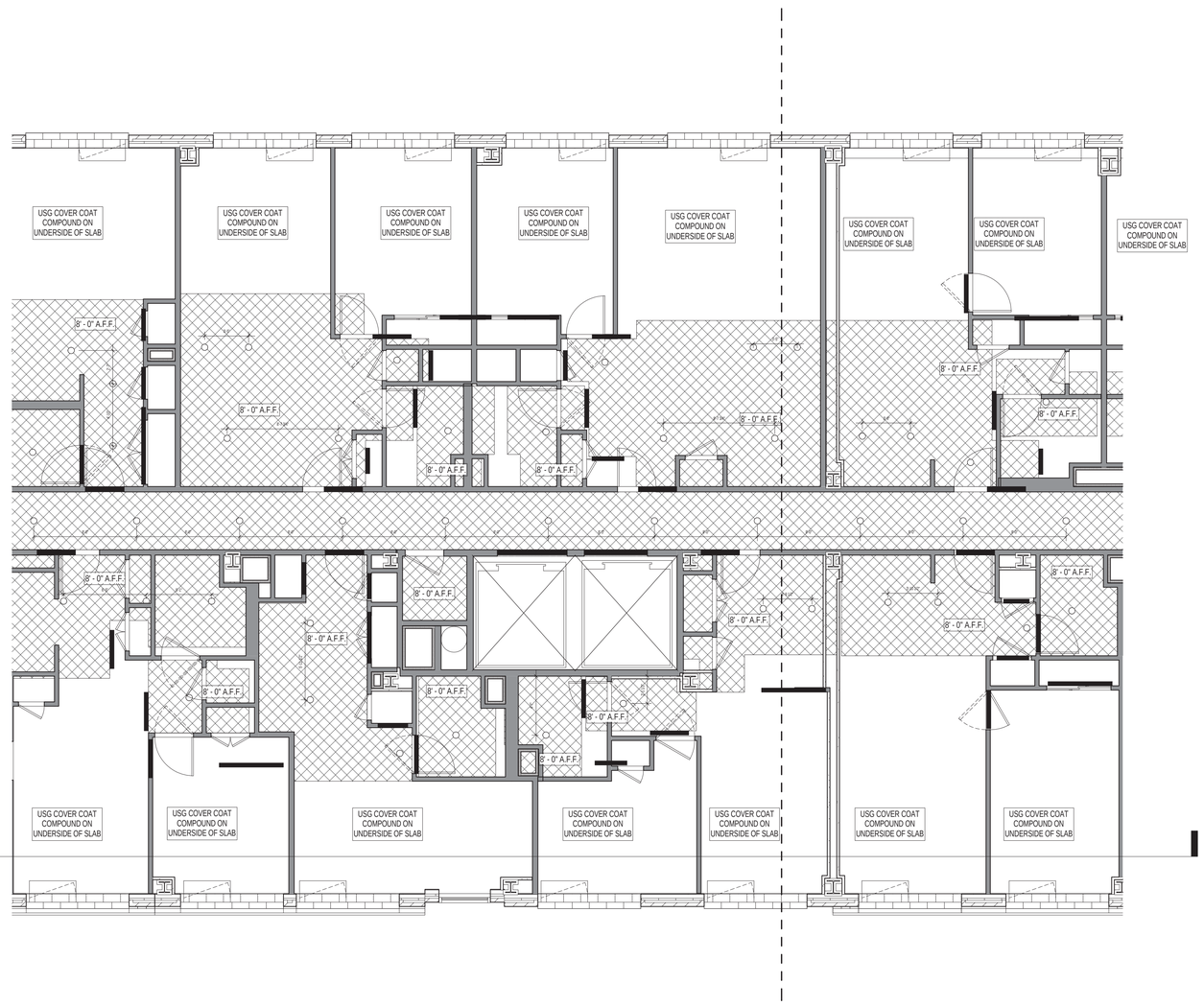

1 Level 4 - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
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7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LN1 PENDANT DOWNLIGHT @ KITCHENS (3": JUNCTION BOX)
- LB RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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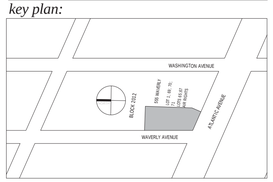


project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

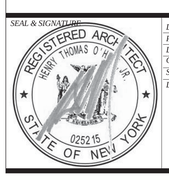
issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

FOURTH FLOOR RCP - MIDDLE

SEAL & SIGNATURE:



DATE:	01/23/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	

A621.00

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1 Level 4 - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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REFLECTED CEILING NOTES:

NOTES - LOCATION :
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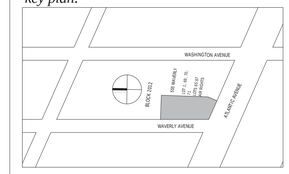

project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

FOURTH FLOOR RCP - SOUTH

SEAL & SIGNATURE:

REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/23/15
PROJECT No:	14024
DRAWING BY:	Author
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SCALE:	As indicated
DWG No:	A622.00

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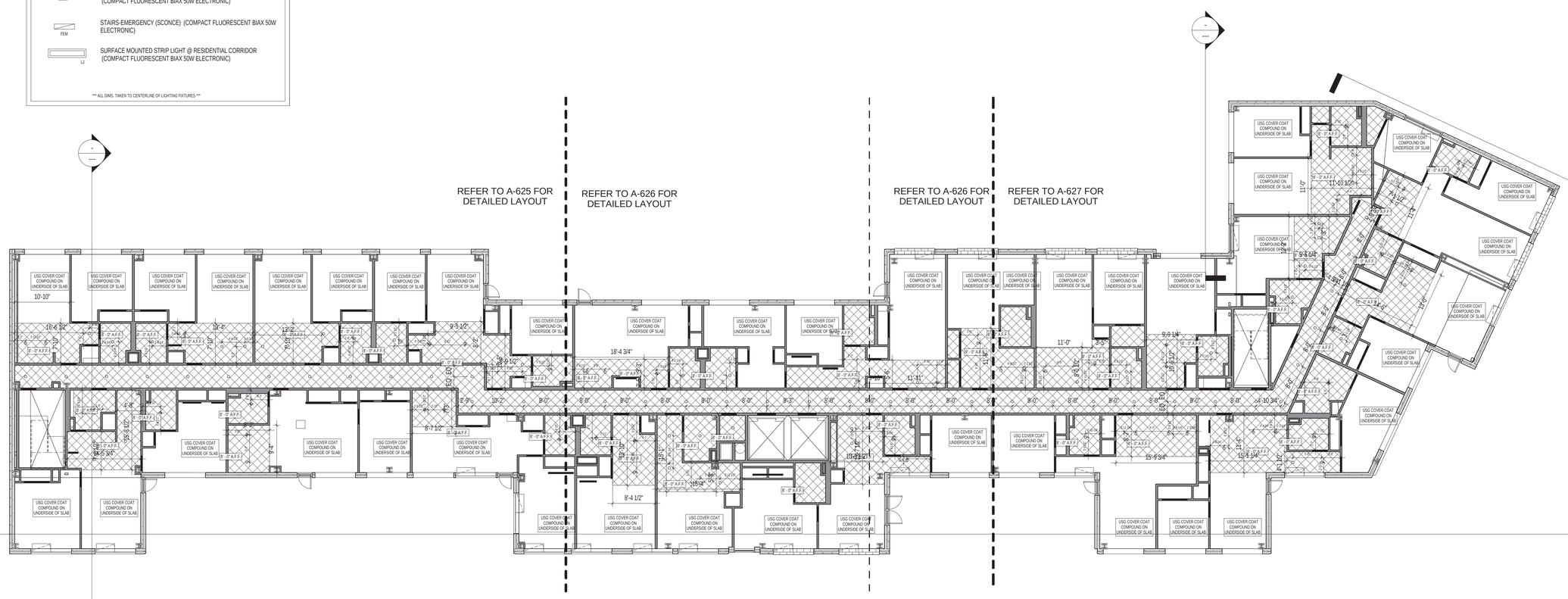

1 Level 7 - RCP KEYPLAN
3/32" = 1'-0"

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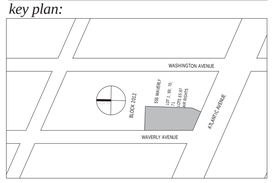

project:
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revisions:

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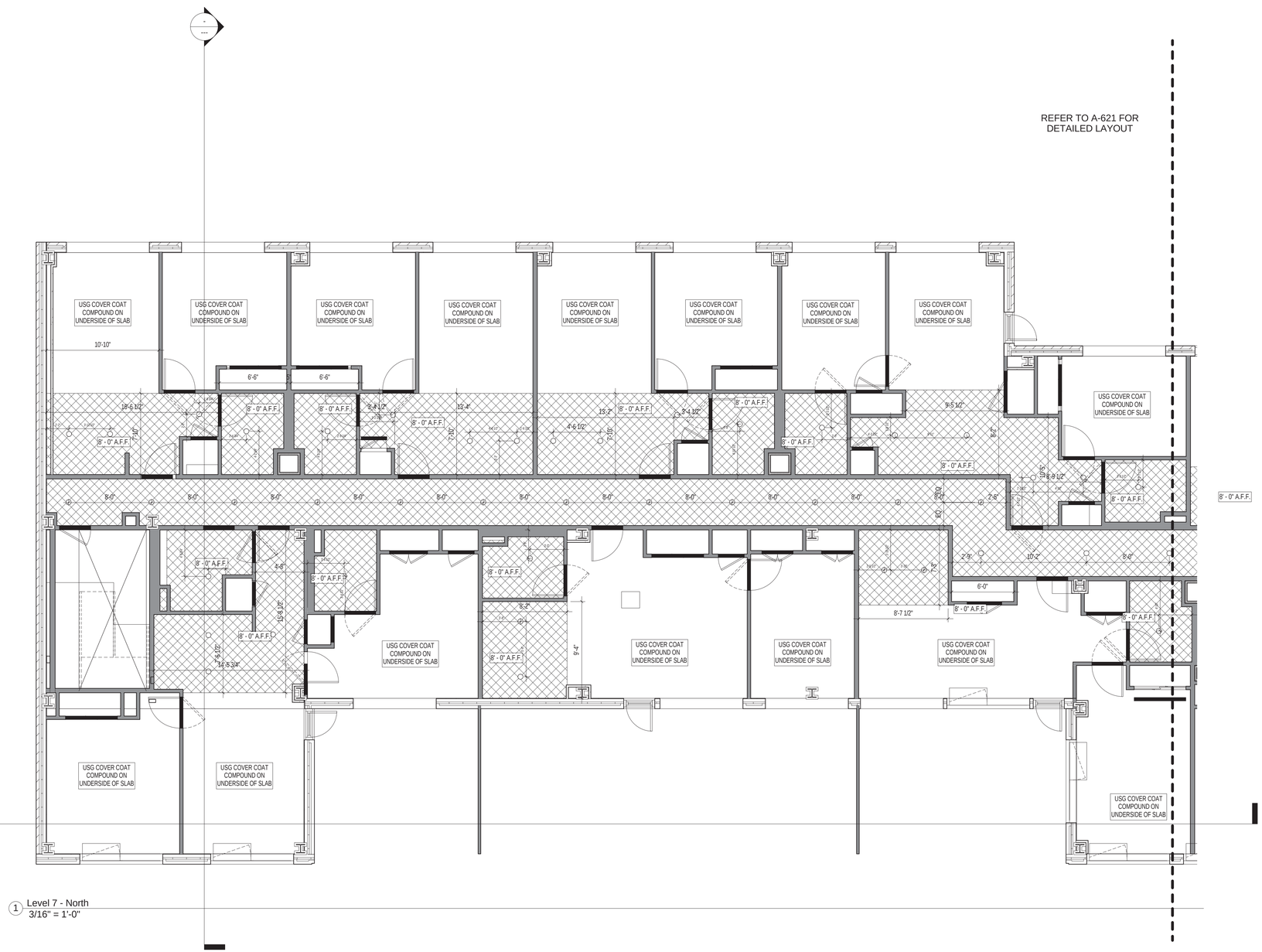
DRAWING TITLE
SEVENTH FLOOR - RCP KEYPLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/16/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A623.00



1 Level 7 - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING. REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS 5-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
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- LB RECESSED DOWNLIGHT (INCANDESCENT 120W)
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- FEM STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
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*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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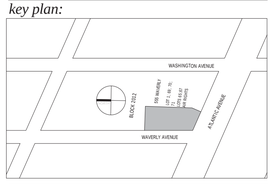
key plan:



project:

555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SEVENTH FLOOR RCP - NORTH

SEAL & SIGNATURE:

REGISTERED ARCHITECT
HENRY THOMAS O'HARA JR.
025215
STATE OF NEW YORK

DATE:	12/15/14
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A624.00

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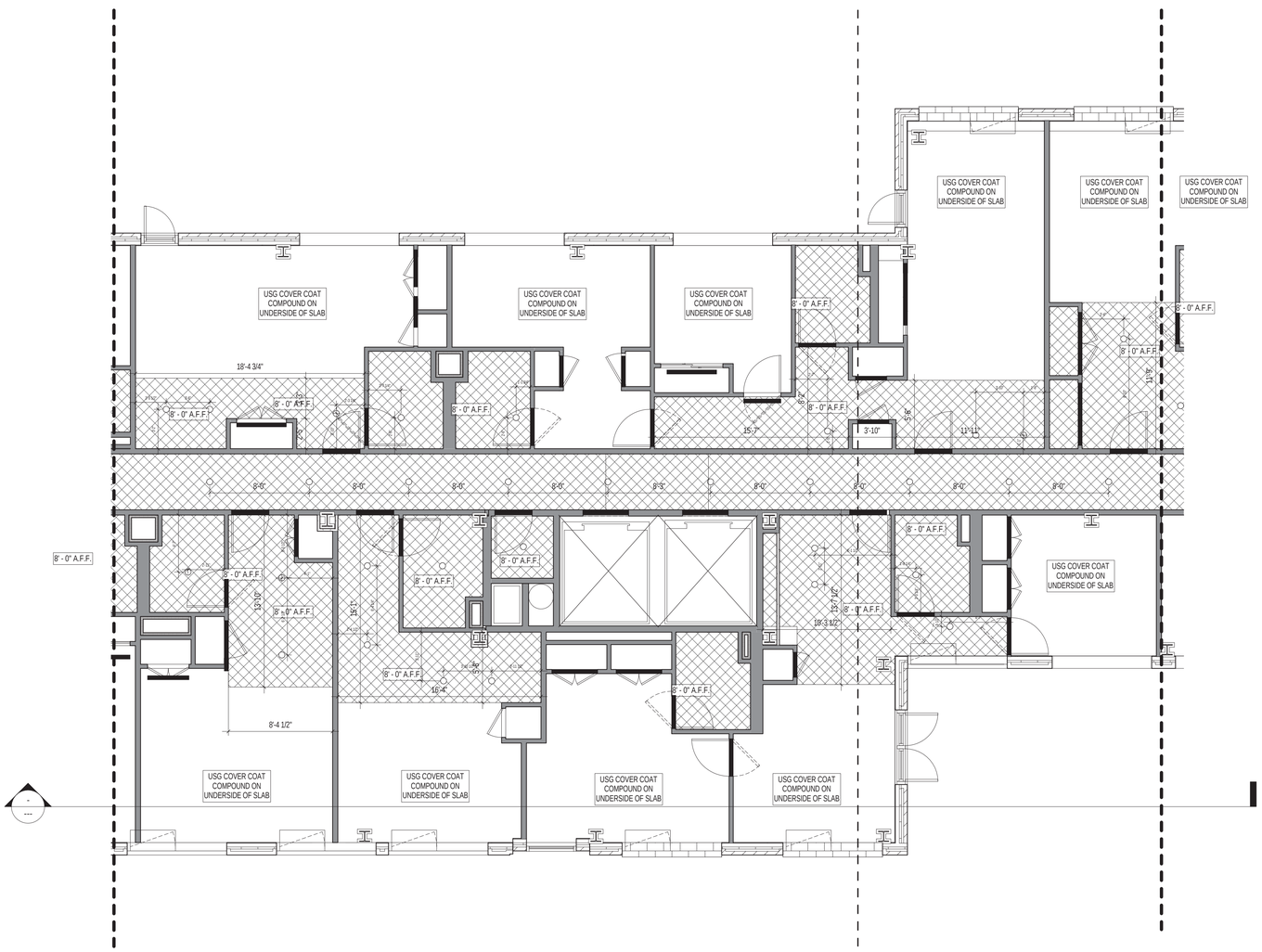

1 Level 7 - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION:-
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
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4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
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4. SPRINKLER HEADS, SEE F.P. PLANS.
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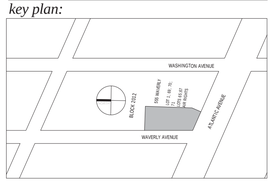

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SEVENTH FLOOR RCP - MIDDLE

SEAL & SIGNATURE:
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A625.00

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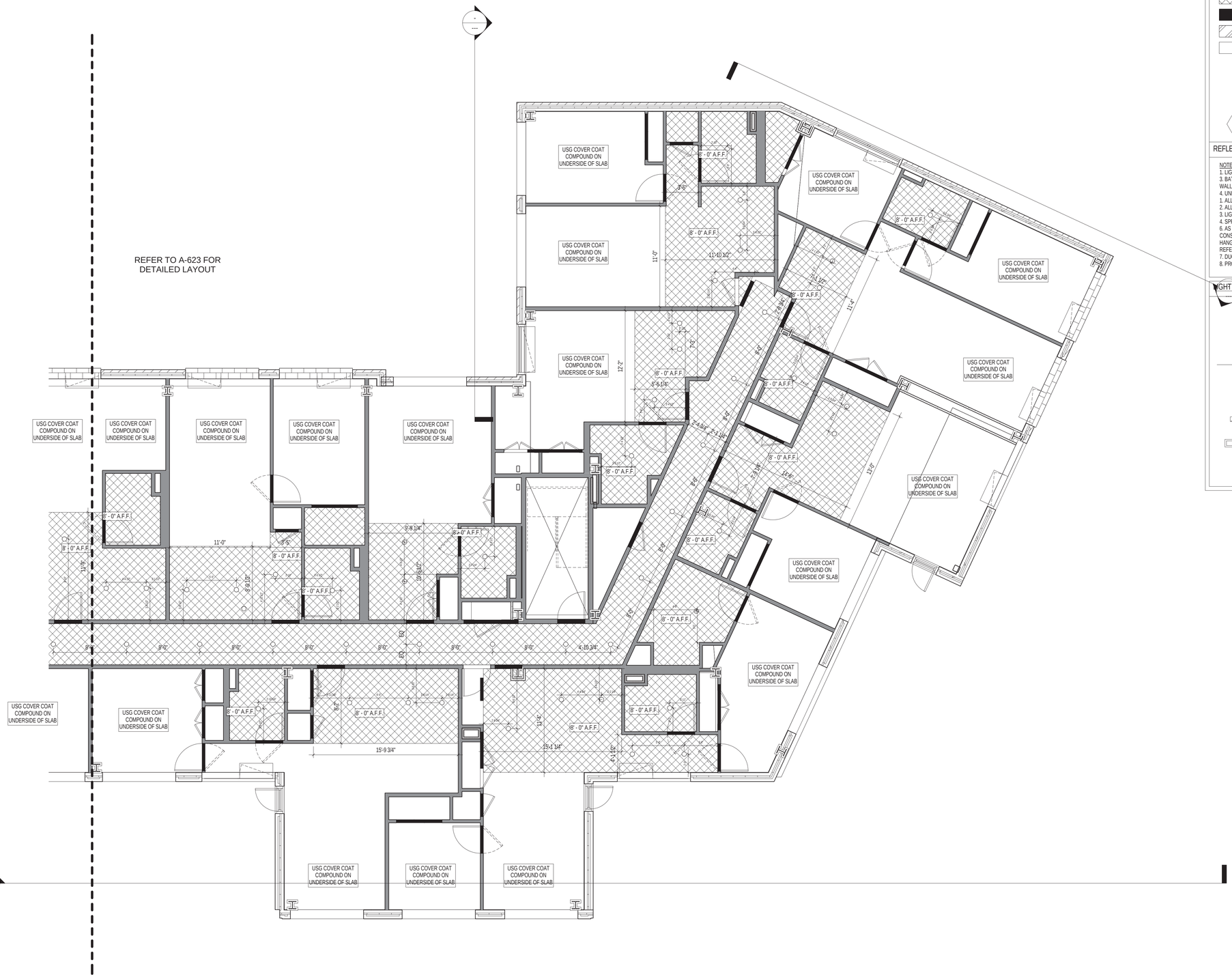

1 Level 7 - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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- S CO — SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
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LIGHT FIXTURE LEGEND

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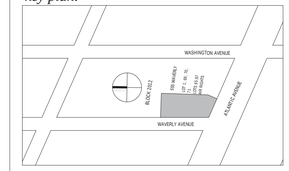

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

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02/27/2015	100% SCOPE FOR BID

DRAWING TITLE

SEVENTH FLOOR RCP - SOUTH

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A626.00

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CEILING HEIGHT LEGEND

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REFLECTED CEILING NOTES:

NOTES - LOCATION :
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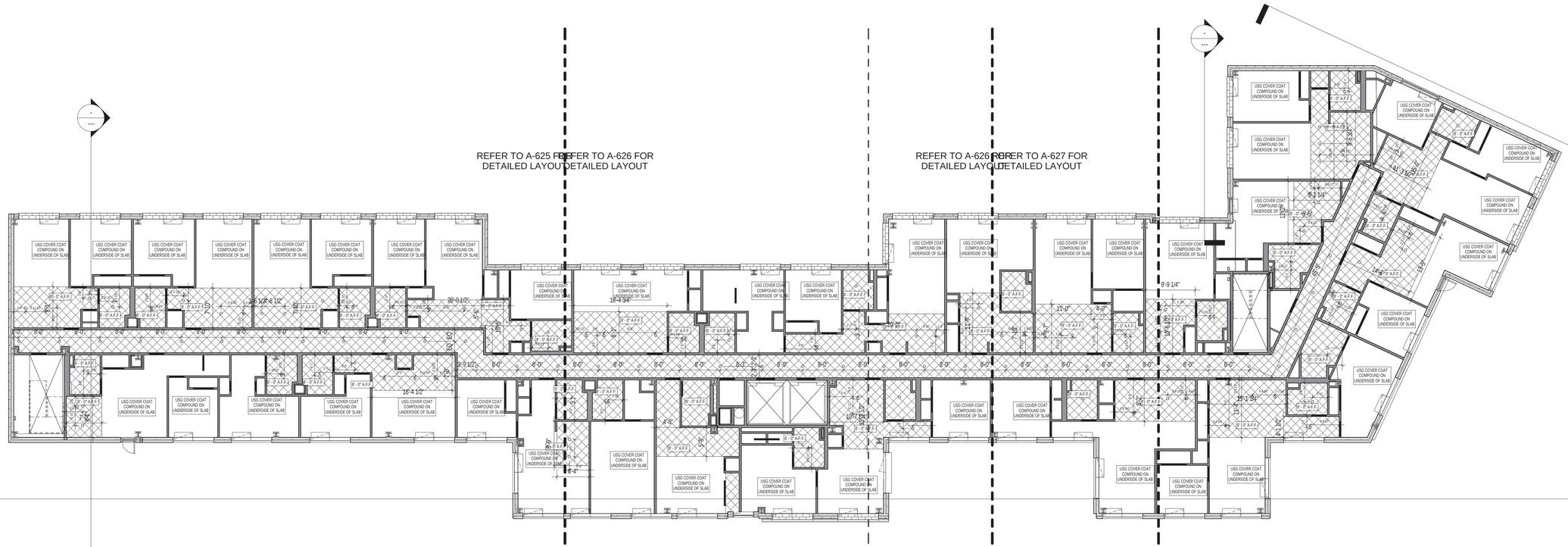
*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***



1 Level 8 - RCP KEYPLAN
3/32" = 1'-0"

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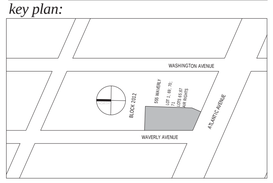

project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

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DRAWING TITLE

EIGHTH FLOOR - RCP KEYPLAN

SEAL & SIGNATURE

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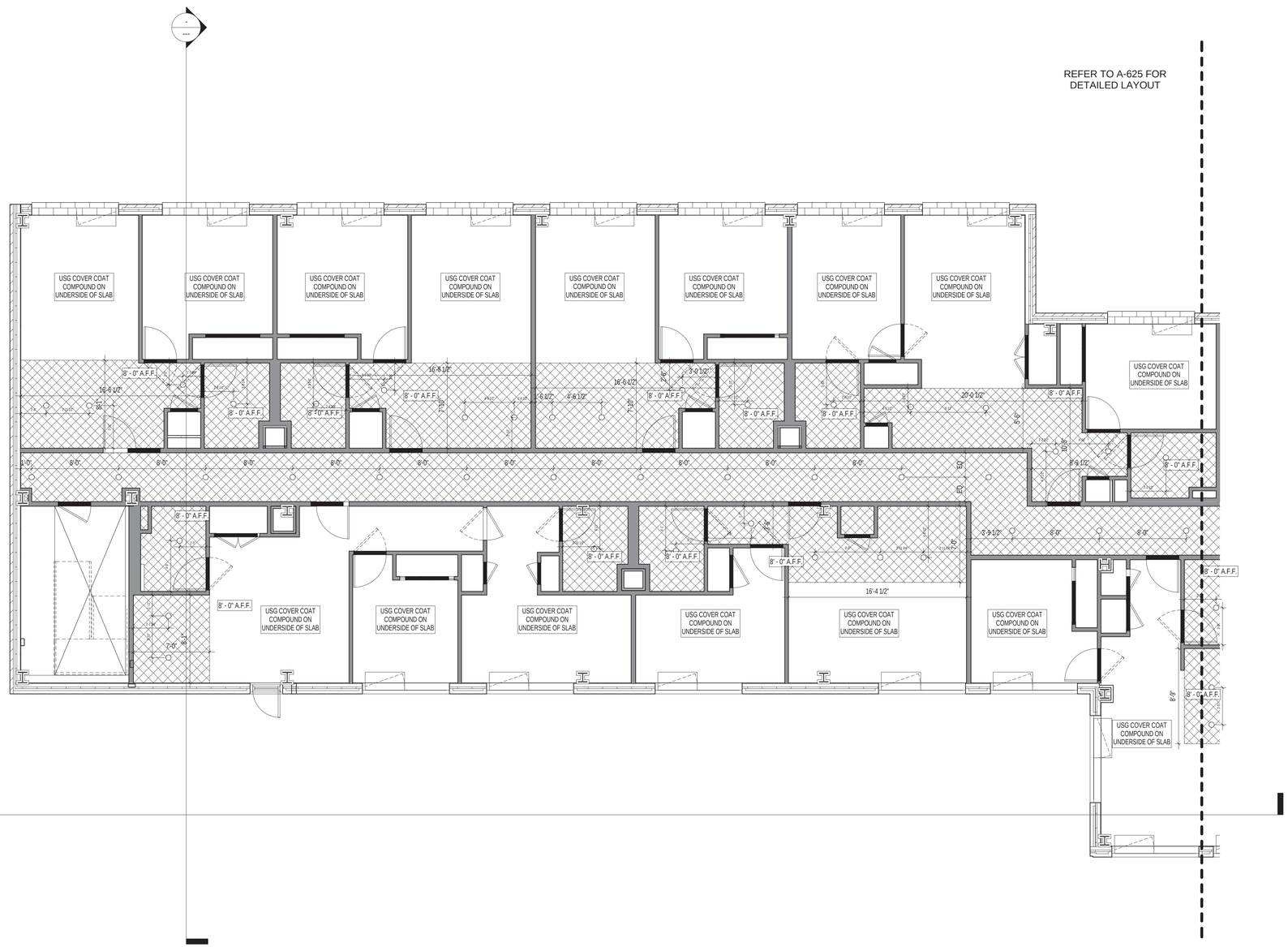

1 Level 8 - North
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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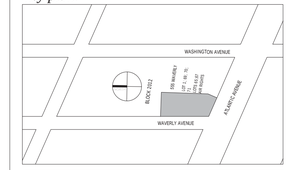

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EIGHTH FLOOR RCP - NORTH

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DWG No:	A628.00

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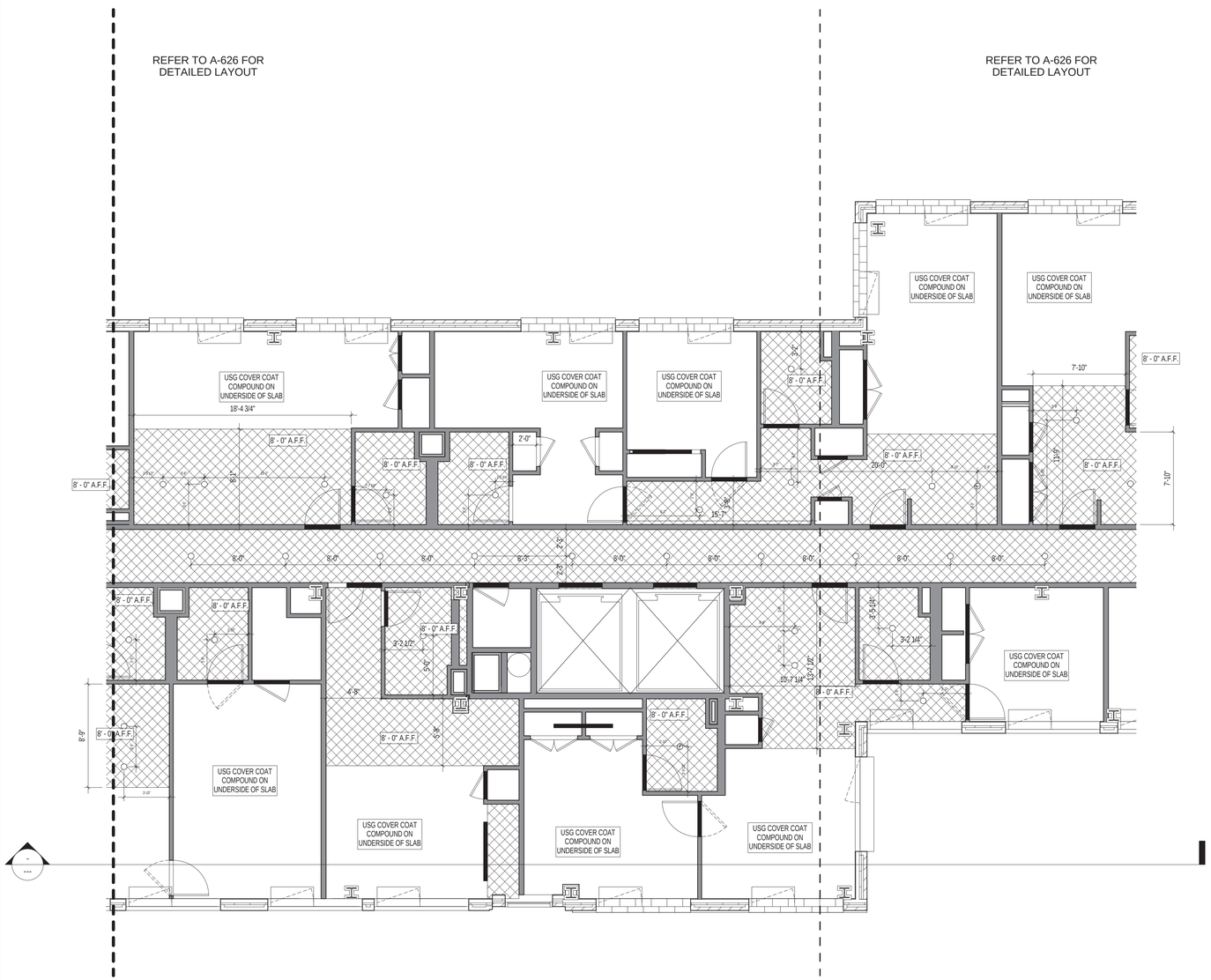

1 Level 8 - Middle
3/16" = 1'-0"

CEILING HEIGHT LEGEND

- @ USG COVER COAT COMPOUND ON CONCRETE 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- SUSPENDED GYPSUM BOARD CEILING 8'-0" AFF. U.O.N.
- DOOR HEADS: 7'-0" A.F.F.
- @ USG COVER COAT COMPOUND ON CONCRETE 11'-8" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND - 5TH FLOOR & 7TH FLOOR RESIDENTIAL 9'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE GROUND FLOOR RETAIL 12'-0" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 6TH FLOOR 9'-10" AFF. U.O.N. (UNDERSIDE OF SLAB)
- @ USG COVER COAT COMPOUND ON CONCRETE 8TH FLOOR 9'-6" AFF. U.O.N. (UNDERSIDE OF SLAB)
- S/CO SMOKE/CARBON MONOXIDE DETECTOR

REFLECTED CEILING NOTES:

NOTES - LOCATION :
1. LIGHTS ARE CENTERED IN SPACE (U.O.N.).
3. BATHROOM CEILING LIGHTS ARE CENTERED BETWEEN FACE OF VANITY AND OPPOSITE WALL.
4. UNDER CABINET LIGHT FIXTURE LENGTHS TO MATCH LENGTH OF OVERHEAD CABINETRY.
1. ALL CEILINGS SHALL BE AS TIGHT AS POSSIBLE TO THE NEW STRUCTURE (U.O.N.).
2. ALL BATHROOMS SHALL BE @ 8'-0" A.F.F. (U.O.N.).
3. LIGHTING, REFER TO ELECTRICAL DRAWINGS.
4. SPRINKLER HEADS, SEE F.P. PLANS.
6. AS PER BUILDING CODE SECTION 27-350, SUSPENDED CEILINGS BELOW FLOOR OR ROOF CONSTRUCTION BY MEANS OF A FRAMING SYSTEM, SHALL CONSIST OF SUPPORTING HANGERS, CARRYING CHANNELS AND A SUPPORTING GRID SYSTEM COMPLYING WITH REFERENCE STANDARD RS S-16.
7. DUCT OFFSETS SHALL BE IN A 2 HR RATED ENCLOSURE.
8. PROVIDE GWB. HUNG CEILINGS AT ALL EXPOSED PLUMBING AND MECHANICAL OFFSETS.

LIGHT FIXTURE LEGEND

- LA1 PENDANT DOWNLIGHT @ KITCHENS ('J': JUNCTION BOX)
- L8 RECESSED DOWNLIGHT (INCANDESCENT 120W)
- LC UNDERMOUNTED CABINET LIGHTING @ KITCHEN (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LF SURFACE MOUNTED LIGHT @ REFUSE CLOSET (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- FEM STAIRS-EMERGENCY (SCONCE) (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)
- LJ SURFACE MOUNTED STRIP LIGHT @ RESIDENTIAL CORRIDOR (COMPACT FLUORESCENT BIAX 50W ELECTRONIC)

*** ALL DIMS. TAKEN TO CENTERLINE OF LIGHTING FIXTURES ***

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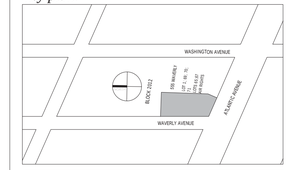
key plan:



project:
555 WAVERLY
NEW YORK, NY 11238

revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
EIGHTH FLOOR RCP - MIDDLE

SEAL & SIGNATURE
REGISTERED ARCHITECT HENRY THOMAS O'HARA JR. 025215 STATE OF NEW YORK

DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A629.00

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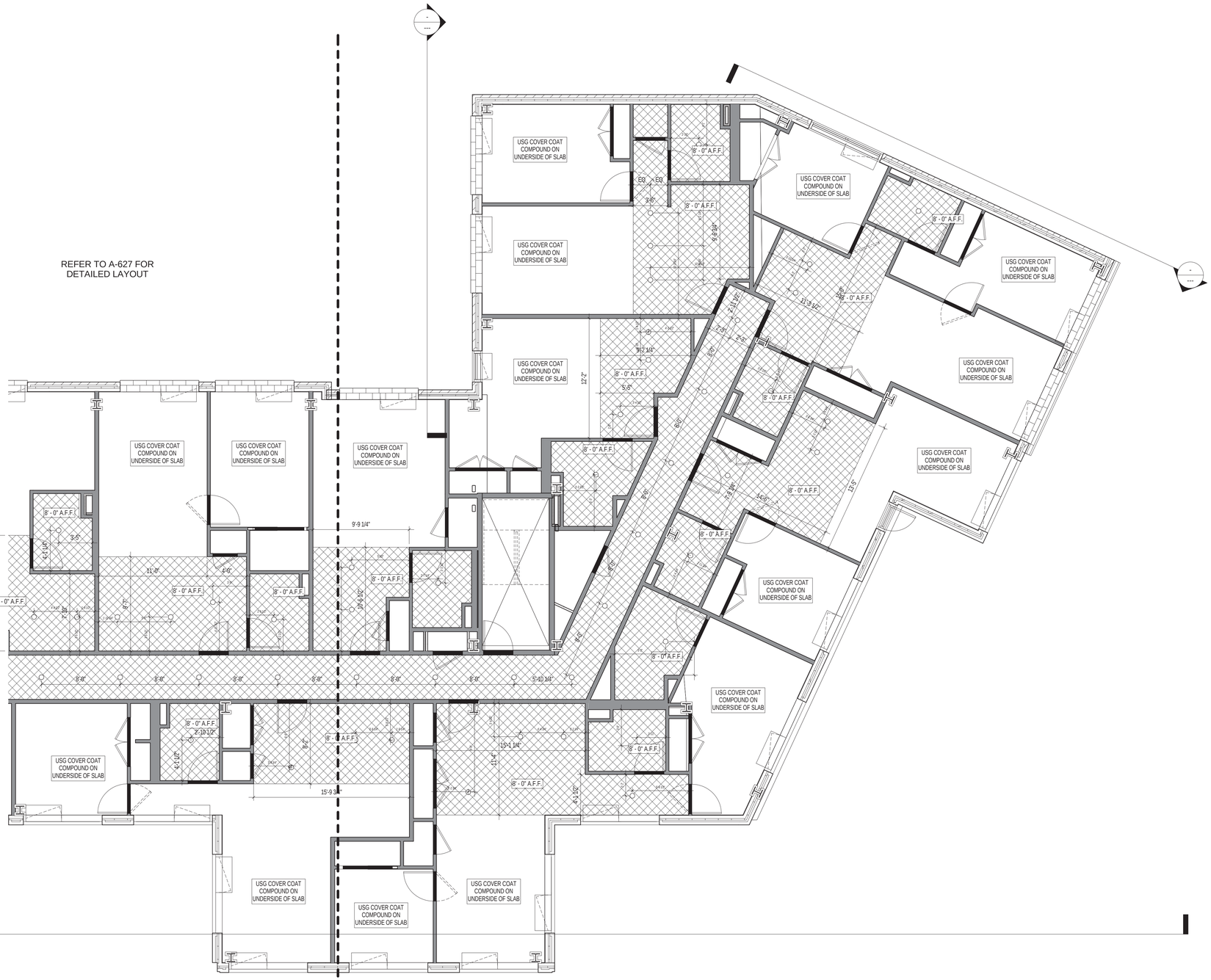

1 Level 8 - South
3/16" = 1'-0"

CEILING HEIGHT LEGEND

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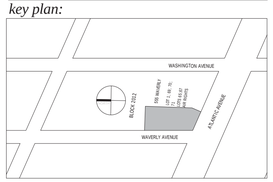

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revisions:

issued:

02/27/2015	100% SCOPE FOR BID

DRAWING TITLE
EIGHT FLOOR RCP - SOUTH

SEAL & SIGNATURE
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DATE:	01/15/15
PROJECT No:	14024
DRAWING BY:	Author
CHECKED BY:	Checker
SCALE:	As indicated
DWG No:	A630.00

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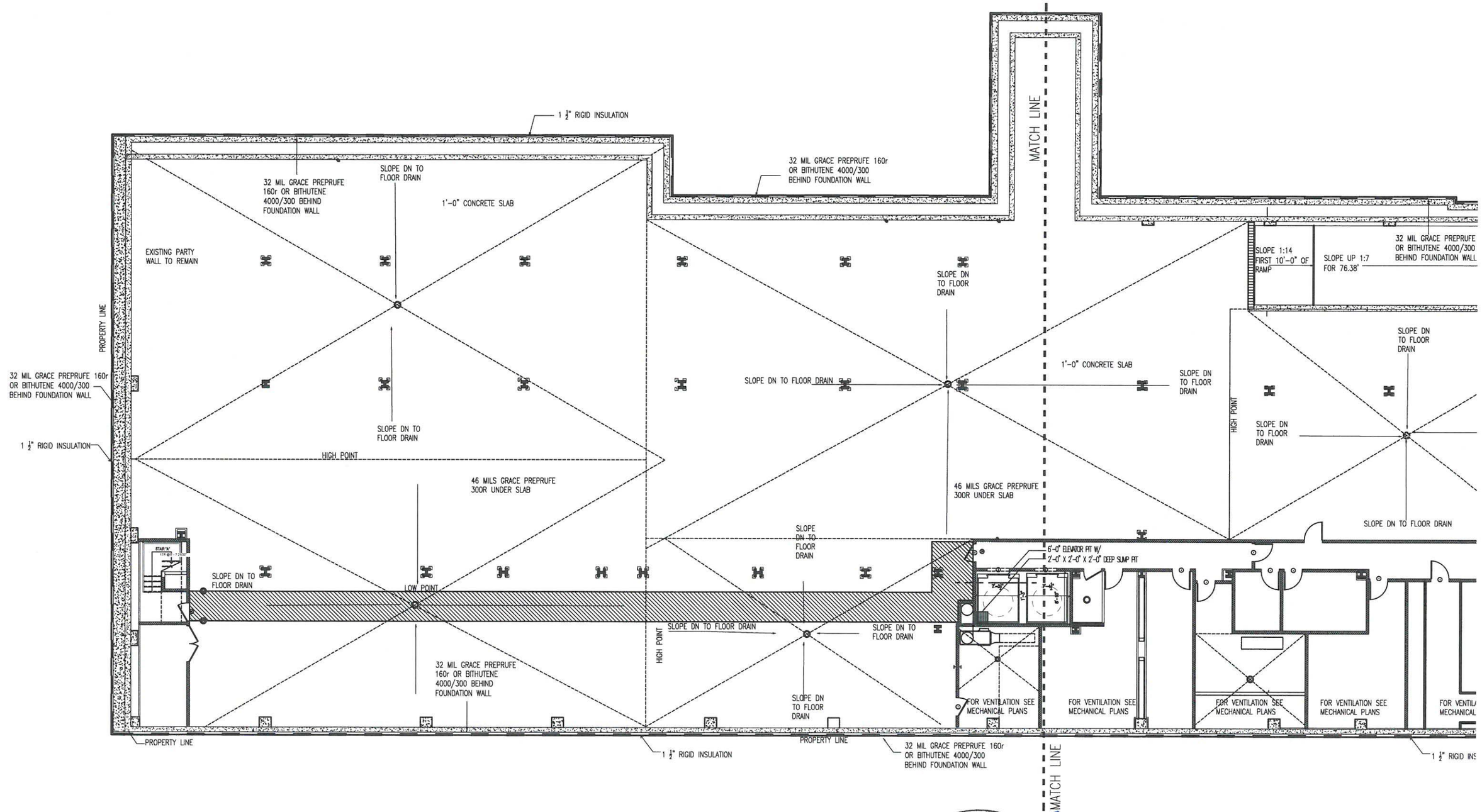
Appendix 6

Cross Section Plan and Horizontal View showing Composite Cover Details and Vapor Barrier



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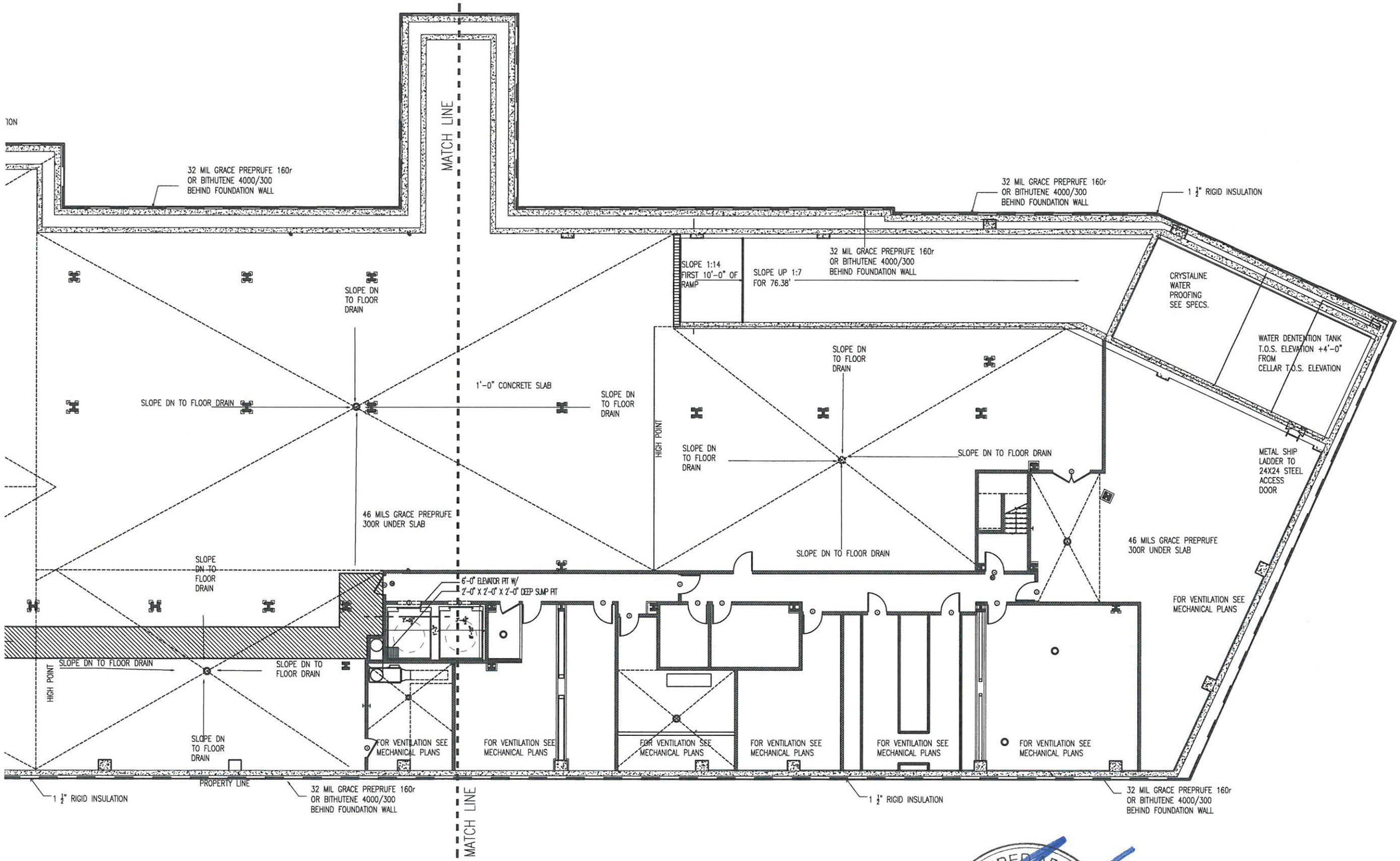
drawing title:	CELLAR PLAN (NORTH)
project number:	14024
date:	03/11/15
scale:	AS NOTED
drawn by:	JLV
checked by:	JPM
drawing number:	



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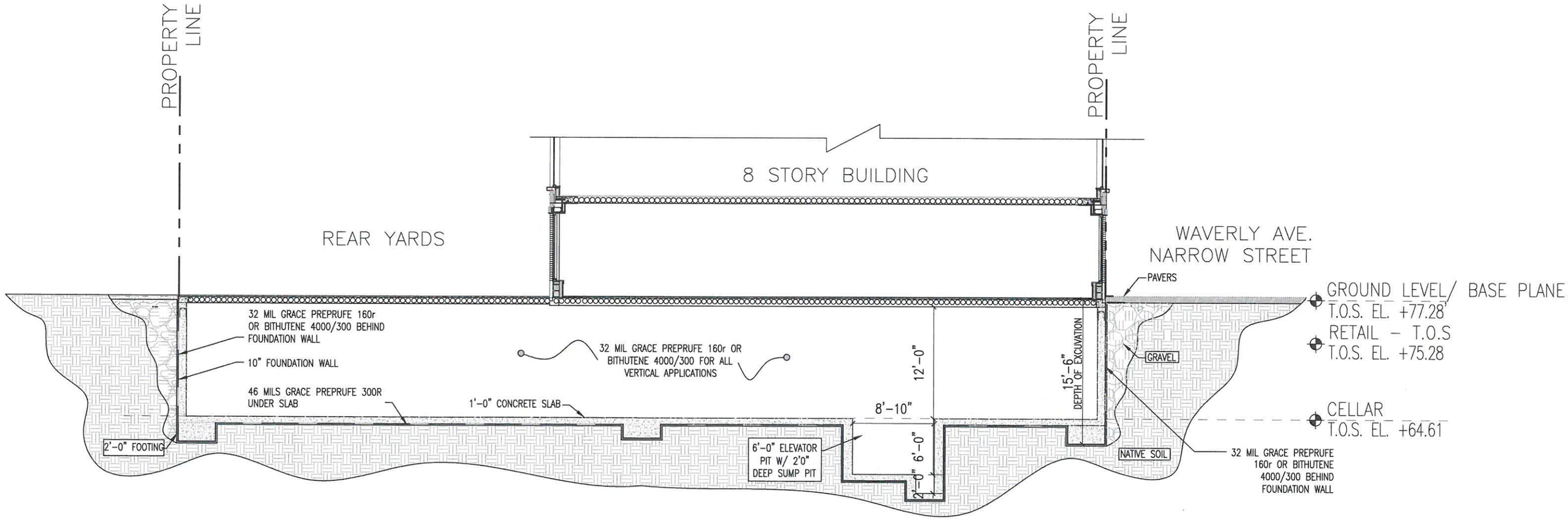
drawing title:	CELLAR PLAN (SOUTH)
project number:	14024
date:	03/11/15
scale:	AS NOTED
drawn by:	JLV
checked by:	JPM
drawing number:	



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drawing title:
FOUNDATION SECTION

project number: 14024
date: 03/11/15
scale: AS NOTED
drawn by: JLV
checked by: JPM
drawing number:

Appendix 7

BIG Program Insurance Requirements

FACT SHEET – BIG PROGRAM INSURANCE REQUIREMENTS

Investigation Grants – for a developer or site owner to be eligible for a BIG investigation grant, its environmental consultant(s) must be:

- a Qualified Vendor in the BIG Program; and
- maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

Cleanup Grants – for a developer or site owner to be eligible for a BIG cleanup grant:

- Its general contractor or excavation/foundation contractor hired to perform remedial work must maintain Commercial General Liability (CGL) insurance of at least $1M per occurrence and $2M in the general aggregate. It is recommended that the general contractor or excavation/foundation contractor also maintain a Contractors Pollution Liability policy (CPL) of at least $1M per occurrence.

- Its subcontractors who are hired by the general contractor etc. to perform remedial work at a site, including soil brokers and truckers, must also maintain a CGL policy in the amount and with the terms set forth above. It is recommended that subcontractors also maintain a CPL policy in the amount and with the terms set forth above.

  The CGL policy, and the CPL policy if in force, must list the city, EDC and BRS as additional insureds, include completed operations coverage and be primary and non-contributory to any other insurance the additional insureds may have.

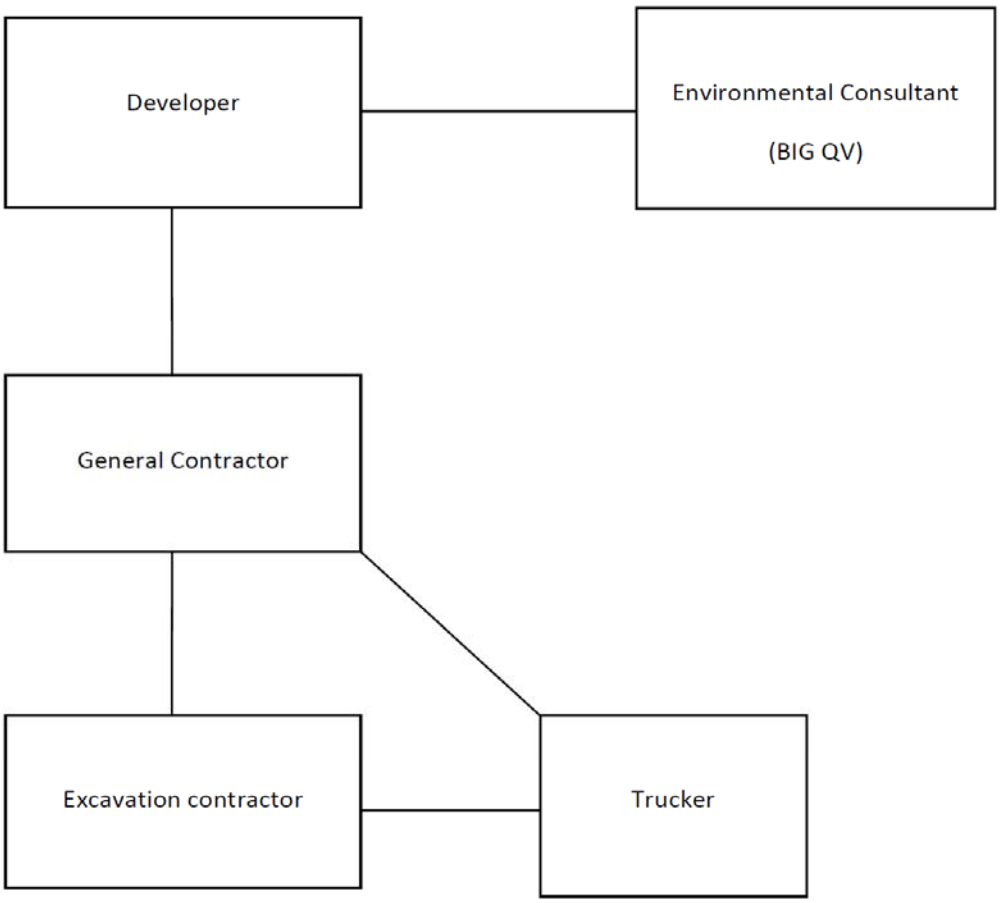
- Its environmental consultant(s) hired to oversee the cleanup must be:
  a. a BIG Qualifed Vendor; and
  b. maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

If, in the alternative, the developer hires its environmental consultant to perform the cleanup, the environmental consultant must maintain CGL insurance in the amount and with the terms set forth above. It is recommended that the environmental consultant also maintain CPL coverage in the amount and with the terms set forth in the first two bulleted items listed above.

A schematic presenting the contractual relationships described above appears on page 2. Parties who must be named as Additional Insureds on Cleanup Grant insurance policies (CGL and CPL) are presented on page 3.

Example of Contractual Relationships for Cleanup Work

The Office of Environmental Remediation's Voluntary Cleanup Plan program requires applicants to identify the parties who are engaged in active remediation of their sites including: the General Contractor hired to remediate and/or the excavation contractor hired to excavate soil from the site and the trucking firm(s) that remove soil from the site for disposal at approved facilit(ies).



The chart above shows contractual relationships that typically exist for projects that are enrolled in the Voluntary Cleanup Program.

BIG Program Additional Insureds

The full names and addresses of the additional insureds required under the Required CGL Policy and recommended CPL Policy are as follows:

"City and its officials and employees"
New York City Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

"NYC EDC and its officials and employees"
New York City Economic Development Corporation
110 William Street
New York, NY 10038

"BIG Grant Administrator and its officials and employees"
Brownfield Redevelopment Solutions, Inc.
739 Stokes Road, Units A & B
Medford, NJ 08055