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**Health, Safety, Environmental, Product Stewardship and Sustainability**

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www.honeywell.com

April 27, 2018

Verizon  
Repair Center  
540 Broad Street  
Newark, NJ 07120

**Subject: Annual Update Regarding Utilities on Former Morris Canal and New Jersey City University West Side Campus  
Jersey City, New Jersey**

To Whom It May Concern:

Honeywell is providing this annual notice update regarding site conditions and activities at the New Jersey City University (NJDEP Sites 90 and 184) and the Former Morris Canal (NJDEP Site 153) Properties as part of its focus on preventing any subsurface work from disturbing the environmental remedies implemented at these sites, and in compliance with the requirements of two separate Consent Decrees. These are the Consent Decree Regarding Sites 079 and 153 South, Paragraph 81, and the Consent Decree Regarding Remediation of the New Jersey City University (NJCU) Redevelopment Area (which includes Site 153 North), Paragraph 104 (the Consent Decrees).

Under the referenced Consent Decrees, Honeywell must provide an annual update notice regarding Site conditions and activities related to the utilities in the area of the Morris Canal and NJCU Sites. The City of Bayonne Department of Public Works (DPW) has a sanitary sewer force main, manholes and associated structures located along Route 440 in Jersey City, within the Morris Canal and in close proximity to the NJCU Site. The previous annual notice was provided by Honeywell in a letter dated April 21, 2016. This letter covers calendar year 2016.

Honeywell completed remedial actions for chromium impacts at the Former Morris Canal and NJCU sites that are subject to the Consent Decrees. The remedial actions, approved by the New Jersey Department of Environmental Protection (NJDEP), are summarized below:

**The Former Morris Canal**

This property consists of a narrow strip of land that was originally a part of the Former Morris Canal. The property runs adjacent to the eastern side of Route 440 from Carbon Place to Danforth Avenue (see attached aerial location map). Soils on portions of this property contain hexavalent chromium above New Jersey's most stringent soil guideline of 20 milligrams/kilogram (mg/kg). Utility poles and various utility lines are located on the property.

Remediation at the Former Morris Canal has been implemented as per the requirements of the two Consent Decrees referenced above and consistent with the Sewer Protocol issued by the New Jersey Department of Environmental Protection. In the southern part of the Canal starting north of Danforth Avenue and running approximately 2,525 feet north, just past Home Depot, remediation consisted of either: (a) excavation of the top 3 feet of soil and replacement with clean fill; or (b) replacement of the existing asphalt cap and/or landscaped areas so as to ensure the integrity and

protectiveness of these engineering controls. The remedial actions in the southern portion of the Canal were conducted as two separate efforts, one at the end of 2009 and the second in the latter part of 2011.

Remedial actions in the northern part of the Canal, the section adjacent to NJCU, included the installation of a membrane cap and pavement in areas adjacent to the cap. The remedial actions in this section occurred in conjunction with the NJCU remedial actions, which, as per the detail provided below, were completed at the end of 2011.

Honeywell, as the owner of Morris Canal Property has placed a deed restriction on the entire Morris Canal Site. The deed restriction, among other things, requires Honeywell to maintain the integrity of the above remedial measures. The deed notice will be updated in 2018 to reflect NJDEP's current deed notice format, the completion of remedial actions as well as changes made by Jersey City to Block and Lot numbers.

### **The NJCU West Side Campus**

The NJCU West Side Campus property, located between West Side Avenue and Route 440 (see attached aerial location map), will become the home of New Jersey City University's new "West Side Campus." The West Side Campus will give NJCU expanded academic facilities, including new classrooms, administrative offices and dormitories.

Honeywell and NJCU have worked and continue to work together to coordinate the NJCU West Campus redevelopment with the remedial actions for chromium, implemented between 2010 and 2011. The remedial actions, which were approved by NJDEP and conform with the requirements of the Consent Decree Regarding Remediation of the New Jersey City University, included soil excavation in the area of the Site referred to as the Residential Area of Concern (Residential Area) and capping in the area of the Site referred to as the Commercial Area of Concern (Commercial Area). Soil excavation was conducted to New Jersey's residential soil guideline for hexavalent chromium of 20 mg/kg to a depth of 20 feet in the area of future Buildings 5 and 6, and to a level of 5 mg/kg in the top 4 feet across the Residential Area.

In the Commercial Area, Honeywell installed a state-of-the-art "RCRA-type" cap over chromium contaminated soils, consisting of a geosynthetic liner, a drainage layer, and 1 to 2 feet of clean fill, followed by paving and/or stone placement for future use to meet the University's parking needs. In addition to the cap, the remedy included the installation of underground barrier walls to isolate impacted groundwater from clean areas. Site remediation included construction of clean utility corridors for new utilities to be placed above the cap.

The NJDEP issued a Restricted Use No Further Action Letter and Remedial Action Permit for soils in May 2012. NJCU, as the owner of the property, recorded a deed restriction on the Commercial Area that requires the cap to be properly maintained. Honeywell is committed to maintaining the integrity of the cap in compliance with New Jersey law and its obligations under the Consent Decree.

In 2017, an extension to the underground barrier wall was installed on the eastern side of the Commercial AOC cap to create a fully contiguous barrier wall around the cap area. The new barrier wall tied in to existing sheet pile along the northern end of the cap and extended to the end of the sheet pile wing wall located on the southeastern side of the remedy, along Building 5. Following sheet pile installation, new liner was installed and welded to the existing liner, and laid over top of new sheeting and sealed along the sheet pile alignment with sand/bentonite. Also in 2017, NJCU initiated the Phase II Roadway work as part of the West Campus redevelopment, which is expected to be completed in the second half of 2018.

The utility maps including as-built drawings associated with the completed remedial actions at both the NJCU and Morris Canal sites were provided with the annual notification letters submitted on April 20, 2012. Updated as-builts including this additional remediation component at NJCU are attached. Similarly, updated utility maps will continue to be provided, as needed, based on any changes required following any further remediation in conjunction with sewer repair or replacement.

One of the key objectives of this letter is to make you aware that Honeywell has developed a Worker Training Manual that describes appropriate measures for coordination with Honeywell in addressing chromium contaminated soils. We, therefore, ask that if you have the need to do any work, either in the area of the Morris Canal or the Commercial Area of NJCU (please see attached map), that you please notify us prior to such work in these areas so that we can provide you copies of, and brief you on, the Worker Training Manual. To the extent, feasible, we request that you notify Honeywell at least 10 business days in advance of any activity you will be undertaking, so that we can provide you the information and properly coordinate. You can report any such pending work by calling 855-727-2658, a special number Honeywell has obtained in order to receive such notifications.

We appreciate your cooperation. If you have any questions or would like additional information, please feel free to call me at (973) 455-3302.

Sincerely,



Maria Kaouris  
Remediation Manager

MK:jh/sg

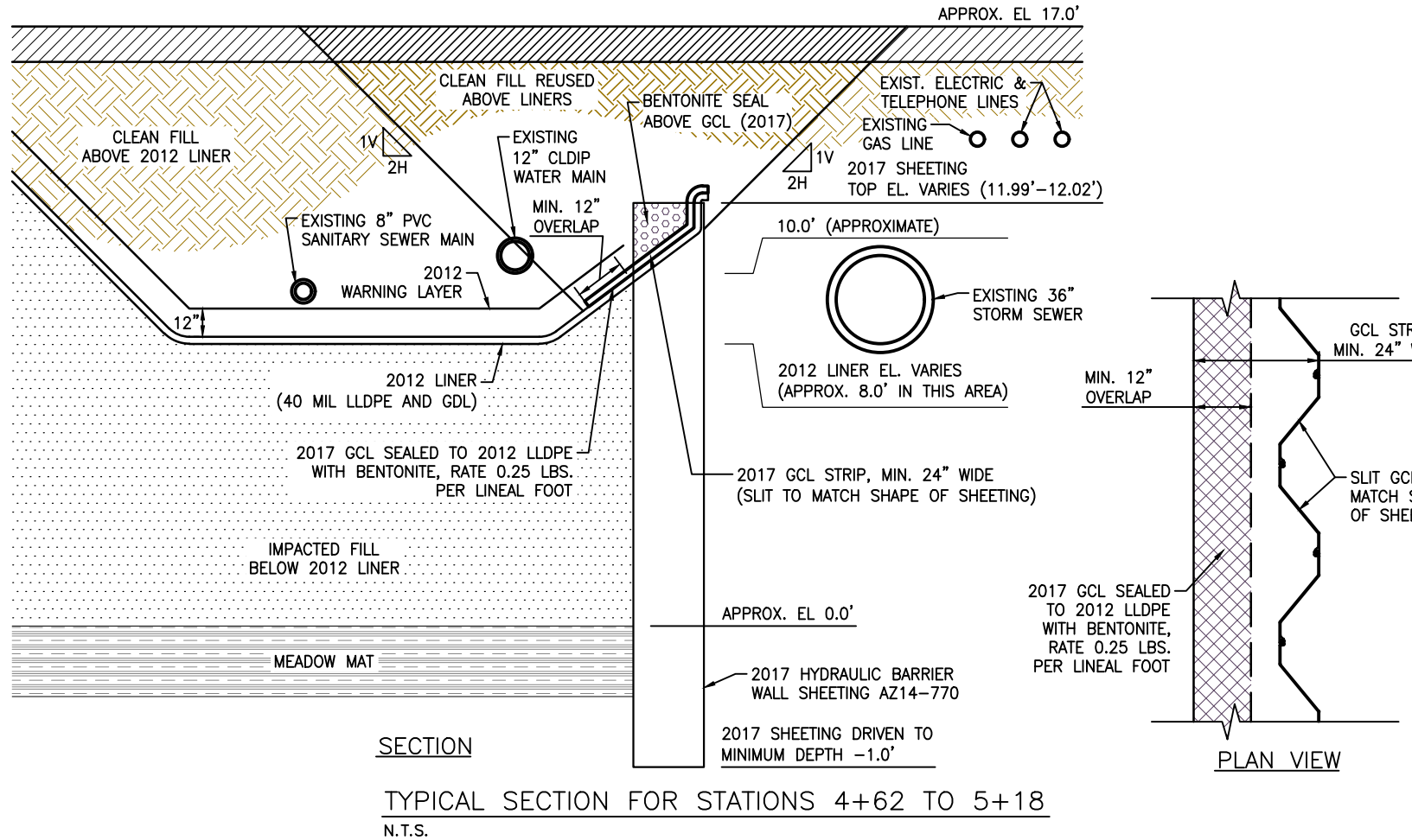
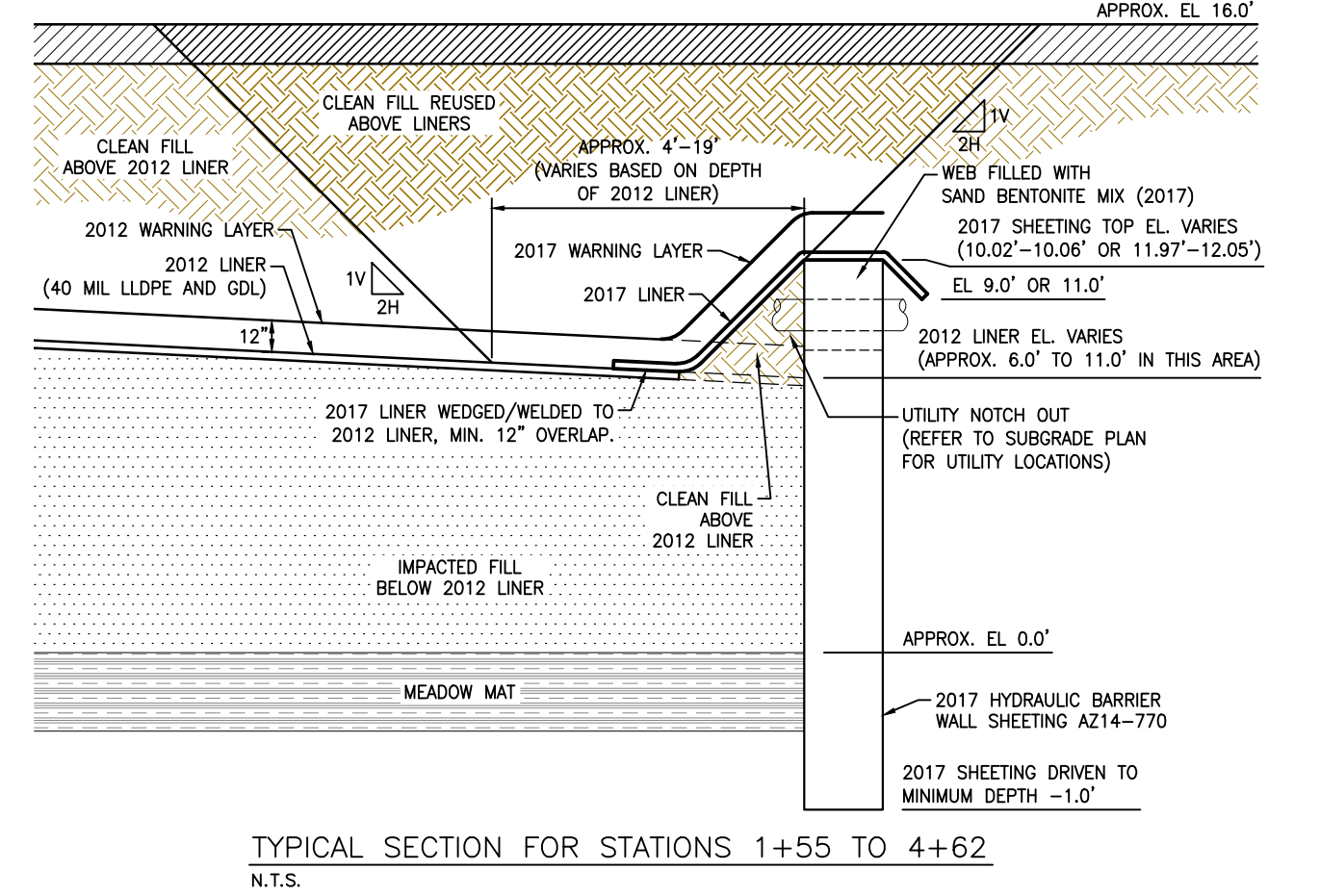
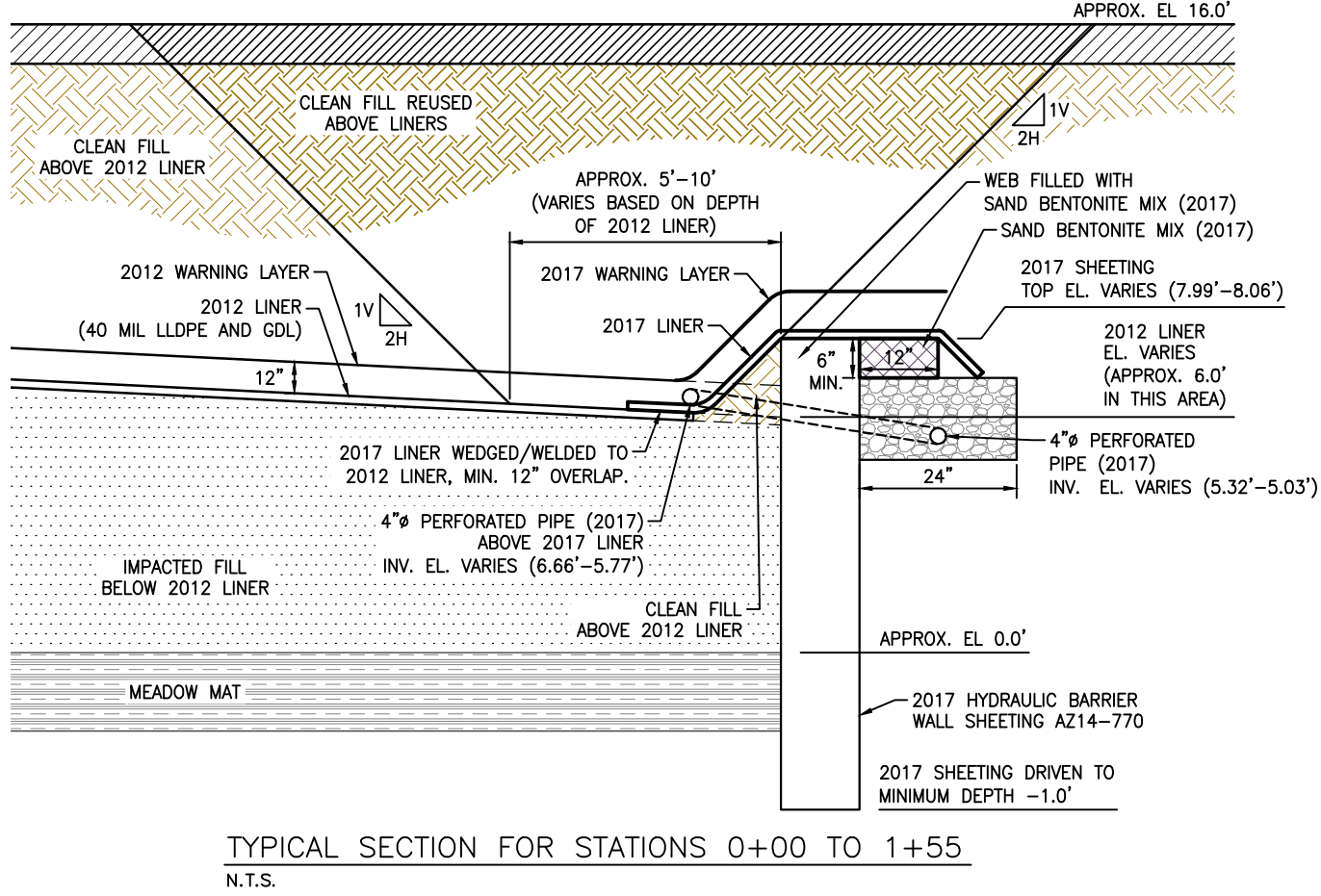
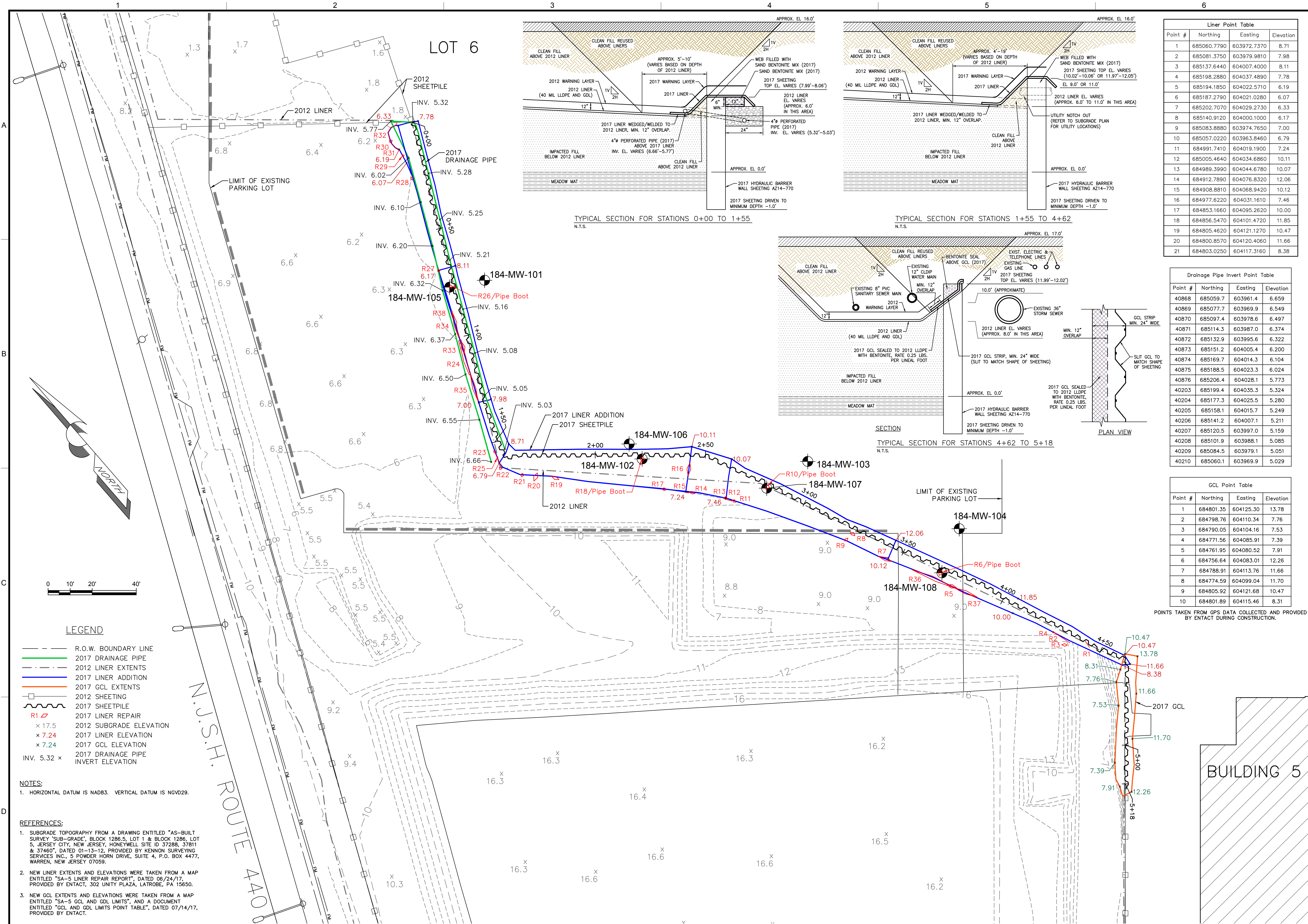
Encl: Aerial Location Map  
Updated as-builts

cc: (electronic copy)  
Joseph Clifford – Amec Foster Wheeler  
Michael Daneker – Arnold & Porter Kaye Scholer LLP  
Jeremy Karpatkin – Arnold & Porter Kaye Scholer LLP  
William Hague – Honeywell  
John Morris – Honeywell  
Robert Wayne – LeClairRyan  
Aaron Aska – New Jersey City University  
Michael D'Aquila – New Jersey City University  
Al Ramey – New Jersey City University









Liner Point Table			
Point #	Northing	Easting	Elevation
1	685060.7790	603972.7370	8.71
2	685081.3750	603979.9810	7.98
3	685137.6440	604007.4000	8.11
4	685198.2880	604037.4890	7.78
5	685194.1850	604022.5710	6.19
6	685187.2790	604021.0280	6.07
7	685202.7070	604029.2730	6.33
8	685140.9120	604000.1000	6.17
9	685083.8880	603974.7650	7.00
10	685057.0220	603963.8460	6.79
11	684991.7410	604019.1900	7.24
12	685005.4640	604034.6860	10.11
13	684989.3990	604044.6780	10.07
14	684912.7890	604076.8320	12.06
15	684908.8810	604068.9420	10.12
16	684977.6220	604031.1610	7.46
17	684853.1660	604095.2620	10.00
18	684856.5470	604101.4720	11.85
19	684805.4620	604121.1270	10.47
20	684800.8570	604120.4060	11.66
21	684803.0250	604117.3160	8.38

Drainage Pipe Invert Point Table			
Point #	Northing	Easting	Elevation
40868	685059.7	603961.4	6.659
40869	685077.7	603969.9	6.549
40870	685097.4	603978.6	6.497
40871	685114.3	603987.0	6.374
40872	685132.9	603995.6	6.322
40873	685151.2	604005.4	6.200
40874	685169.7	604014.3	6.104
40875	685188.5	604023.3	6.024
40876	685206.4	604028.1	5.773
40203	685199.4	604035.3	5.324
40204	685177.3	604025.5	5.280
40205	685158.1	604015.7	5.249
40206	685141.2	604007.1	5.211
40207	685120.5	603997.0	5.159
40208	685101.9	603988.1	5.085
40209	685084.5	603979.1	5.051
40210	685060.1	603969.9	5.029

GCL Point Table			
Point #	Northing	Easting	Elevation
1	684801.35	604125.30	13.78
2	684798.76	604110.34	7.76
3	684790.05	604104.16	7.53
4	684771.56	604085.91	7.39
5	684761.95	604080.52	7.91
6	684756.64	604083.01	12.26
7	684788.91	604113.76	11.66
8	684774.59	604099.04	11.70
9	684805.92	604121.68	10.47
10	684801.89	604115.46	8.31

POINTS TAKEN FROM GPS DATA COLLECTED AND PROVIDED BY ENACT DURING CONSTRUCTION.

- LEGEND**
- R.O.W. BOUNDARY LINE
  - 2017 DRAINAGE PIPE
  - - - 2012 LINER EXTENTS
  - 2017 LINER ADDITION
  - 2017 GCL EXTENTS
  - 2012 SHEETPILE
  - 2017 SHEETPILE
  - R1 / 2017 LINER REPAIR
  - x 17.5 2012 SUBGRADE ELEVATION
  - x 7.24 2017 LINER ELEVATION
  - x 7.24 2017 GCL ELEVATION
  - INV. 5.32 x 2017 DRAINAGE PIPE INVERT ELEVATION

**NOTES:**  
 1. HORIZONTAL DATUM IS NAD83. VERTICAL DATUM IS NGVD29.

- REFERENCES:**
- SUBGRADE TOPOGRAPHY FROM A DRAWING ENTITLED "AS-BUILT SURVEY 'SUB-GRADE', BLOCK 1286-5, LOT 1 & BLOCK 1286, LOT 5, JERSEY CITY, NEW JERSEY, HONEYWELL SITE ID 37288, 37811 & 37460", DATED 01-13-12, PROVIDED BY KENNON SURVEYING SERVICES INC., 5 POWDER HORN DRIVE, SUITE 4, P.O. BOX 4477, WARREN, NEW JERSEY 07059.
  - NEW LINER EXTENTS AND ELEVATIONS WERE TAKEN FROM A MAP ENTITLED "SA-5 LINER REPAIR REPORT", DATED 06/24/17, PROVIDED BY ENACT, 302 UNITY PLAZA, LATROBE, PA 15650.
  - NEW GCL EXTENTS AND ELEVATIONS WERE TAKEN FROM A MAP ENTITLED "SA-5 GCL AND GDL LIMITS", AND A DOCUMENT ENTITLED "GCL AND GDL LIMITS POINT TABLE", DATED 07/14/17, PROVIDED BY ENACT.

**Amec Foster Wheeler**  
 ENVIRONMENT & INFRASTRUCTURE, Inc.  
 200 AMERICAN METRO BLVD, SUITE 113  
 HAMILTON, NEW JERSEY 08619  
 TELEPHONE: (908) 689-2829  
 FAX: (908) 689-8888  
 NJ Certificate of Authorization  
 Number 24GA28010900

NO.	DATE	ISSUE/REVISION DESCRIPTION
0	7/18/17	RECORD DRAWING

PROJECT: SA-5 NJCU SITE 90/184  
 JERSEY CITY, NEW JERSEY  
 ADDENDUM 16 TO THE 100% DESIGN  
 PROPOSED SHEET PILE INSTALLATION

GENERAL  
**SUBGRADE LINER RECORD DRAWING**

CLIENT: **Honeywell**  
 115 TABOR ROAD (4D-8)  
 MORRIS PLAINS, NJ 07950

SEAL: BRENT C. O'DELL  
 NJ PROFESSIONAL ENGINEER  
 LICENSE NUMBER 24GED38077

CHECKED BY: NS	DRAWN BY: SPM
CHECKED BY: BOD	DATE: 7/18/2017
SCALE: AS SHOWN	REVISION: 0
VERIFY SCALE	
THIS BAR MEASURES ONE INCH ON THE ORIGINAL DRAWING.	
0 1"	
PROJECT NUMBER: 3480150481	
DRAWING NUMBER: C-102	
SHEET NUMBER: 2 OF 2	