

Honeywell
101 Columbia Rd
Morristown, NJ 07962

April 20, 2012

Mr. Steve Gallo
Director
Bayonne Municipal Utilities Authority
630 Avenue C
Bayonne, NJ 07002

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

Dear Mr. Gallo:

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 in accordance 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 previous annual notice was provided by Honeywell in a letter dated April 21, 2011. This letter provides an update on the remediation activities that have occurred at both the Morris Canal and NJCU Sites since our last notice.

The BMUA operates a 36" force main, manholes, and associated structures in the Morris Canal along Route 440 in Jersey City. A portion of that force main is located adjacent to the NJCU site. Honeywell has performed remediation for chromium impacts in soils and groundwater on the two properties that relate to the BMUA Pipeline, Morris Canal and NJCU, which are also subject to the above referenced Consent Decrees. Information on these properties is provided below.

The Former Morris Canal Property

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 residential soil guideline of 20 mg/kg. Utility poles and various utility lines are located on the property. The utility maps consisting of as-built drawings associated with the recently completed remedial actions at the site are attached for reference. Updated utility maps will be provided with subsequent annual notification letters, if needed, based on any changes to the maps, or following any further remediation in conjunction with sewer repair or replacement.

Remediation at the Former Morris Canal has been implemented as per the requirements of the aforementioned Consent Decrees. In the southern part of the Canal starting north of Danforth Avenue and running approximately 2525 feet north, just past Home Depot, remediation consisted of either (a) excavation of the top three 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.

The NJCU West Side Campus Property

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, dormitories, and other functions. A portion of the West Side Campus, known as the "Commercial Area," will initially be developed as a parking facility for the University. Once the initial phase of the development is complete, the University plans to construct a commercial building with office and retail space in this area.

Honeywell and NJCU have worked together to coordinate remediation of the NJCU West Side Campus with the redevelopment of the property. The remedial actions for chromium approved by NJDEP were completed by Honeywell during 2010-2011 and 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 most stringent residential soil guideline 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 remainder of the Residential Area.

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

NJCU, as the owner of the property, is in the process of placing a deed restriction on the Commercial Area that will require that the cap 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 Decrees.

Utility maps consisting of as-built drawings associated with the recently completed remedial actions for both the Former Morris Canal and NJCU Property are attached for reference. Updated utility maps will be provided with subsequent annual notification letters, as needed, based on any changes required following any further remediation in conjunction with sewer repair or replacement.

If you are planning to conduct any work on or near the Commercial Area of NJCU or the Former Morris Canal Sites (please see attached map), it is imperative that you notify Honeywell at least 10 business days in advance. You can provide your notification by calling (973) 455-3302.

As always, we appreciate your cooperation. If you have any questions or would like additional information, please feel free to call me at the above number.

April 20, 2012
Mr. Steve Gallo, BMUA
Utilities on Former Morris Canal and NJCU West Side Campus
Page 3 of 3

Sincerely,

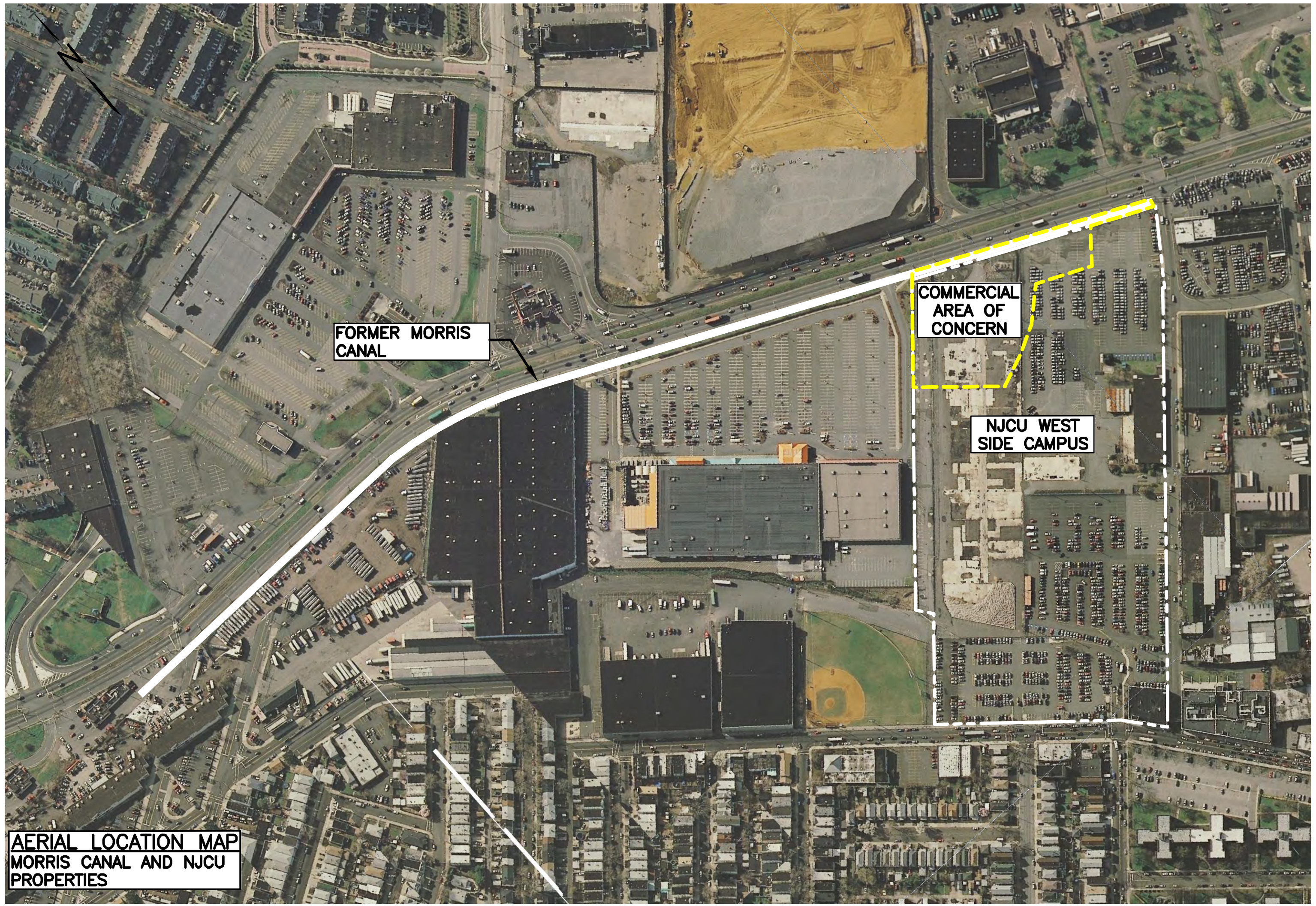


Maria Kaouris
Remediation Manager

MK:eg/sg

Encl: Aerial Location Map
NJCU and Site 153 North Utility Map
Morris Canal South Upper Segment Utility Map
Morris Canal South Lower Segment Utility Map

cc: Joseph Clifford – Amec
Michael Daneker – Arnold & Porter LLP
Jeremy Karpatkin – Arnold & Porter LLP (electronic copy)
William Hague – Honeywell
John Morris – Honeywell
Robert Wayne – LeClairRyan
William Fellenberg – New Jersey City University
Kathy Monteiro – New Jersey City University
Al Ramey – New Jersey City University

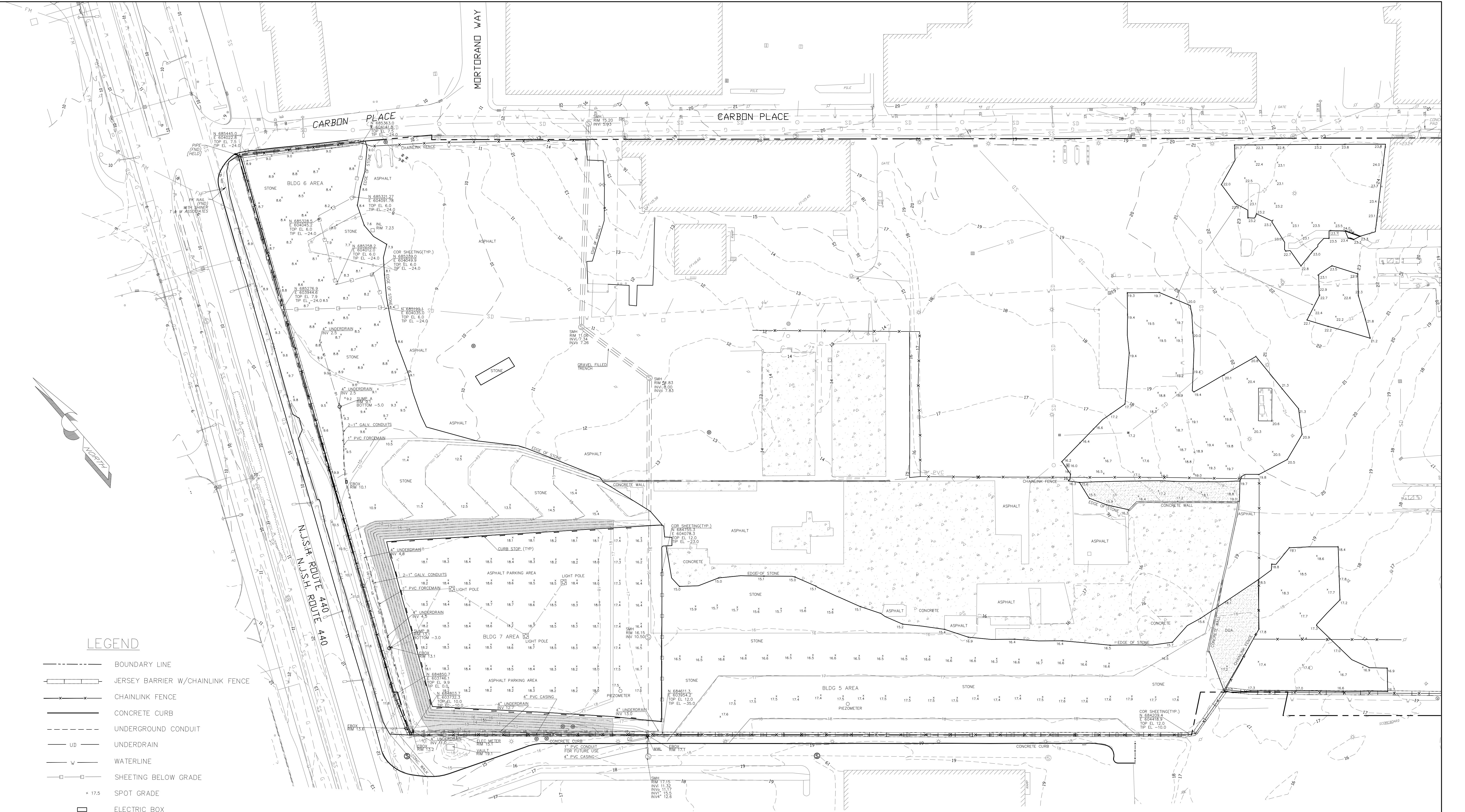


FORMER MORRIS
CANAL

COMMERCIAL
AREA OF
CONCERN

NJCU WEST
SIDE CAMPUS

AERIAL LOCATION MAP
MORRIS CANAL AND NJCU
PROPERTIES



LEGEND

BOUNDARY LINE

JERSEY BARRIER W/CHAINLINK FENCE

CHAINLINK FENCE

CONCRETE CURB

UNDERGROUND CONDUIT

UD

UNDERDRAIN

W

WATERLINE

SHEETING BELOW GRADE

SPOT GRADE

ELECTRIC BOX

SANITARY SEWER MANHOLE

MONITOR WELL

INLET

TOPSOIL/SEEDED AREA

CONCRETE AREA

CURB STOP

- NOTES
1. THIS MAP WAS PREPARED TO SHOW THE AS-BUILT CONDITIONS OF THE SITE POST CONSTRUCTION. THIS MAP WAS CREATED FROM FIELD MEASUREMENTS PERFORMED BY THIS FIRM THROUGH 12-22-11.

2. HORIZONTAL DATUM NAD 83, VERTICAL DATUM NGVD 29.

3. BOUNDARY LINE, AND BACKGROUND INFORMATION SHOWN HEREON OUTSIDE OF THE SURVEY LIMITS FROM PLANS ENTITLED "EXISTING CONDITIONS" PREPARED BY MACTEC LAST REVISED 05-06-10.

4. CONTOURS SHOWN HEREON IN A DASHED LINE TYPE REPRESENT THE ASBUILT AND EXISTING CONDITIONS. AND THE CONTOURS SHOWN IN A SOLID LINE TYPE REPRESENT THE PROPOSED FINAL GRADE AS SHOWN ON MACTEC DESIGN PLANS ENTITLED "POST CHROMIUM REMEDIATION GRADING AND DRAINAGE PLAN, ADDENDUM 3".

KENNY L. KENNON, P.L.S.

PROFESSIONAL LAND SURVEYOR LICENSE NO. 37195

AS-BUILT SURVEY

"FINAL EXISTING CONDITIONS"

BLOCK 1286.5, LOT 1 & BLOCK 1286, LOT 5

JERSEY CITY, NEW JERSEY

HONEYWELL SITE ID 37288, 37811 & 37460

KSS KENNON SURVEYING SERVICES INC.

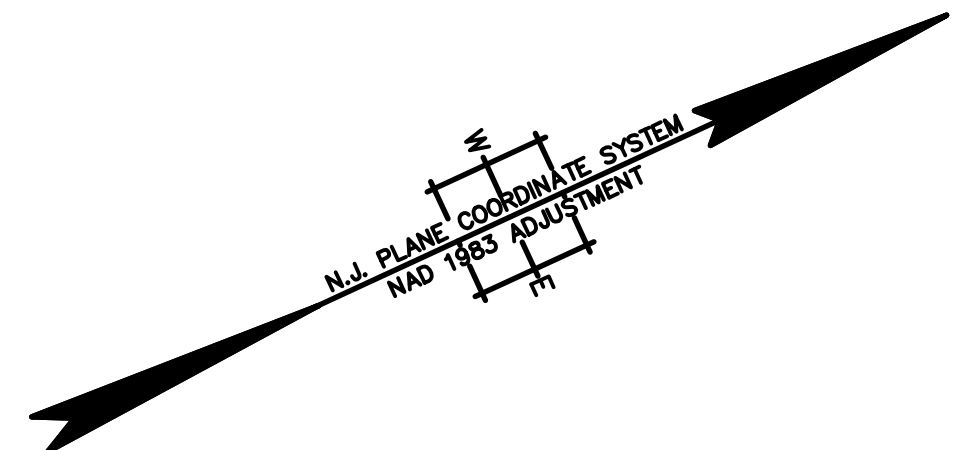
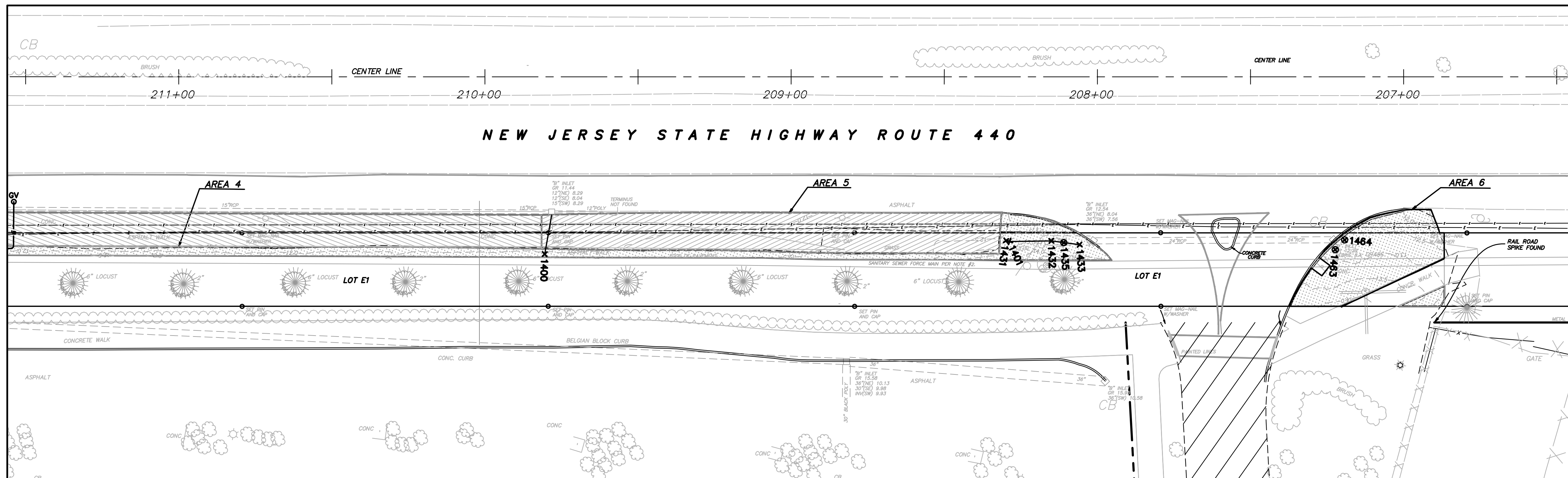
5 POWDER HORN DRIVE, SUITE 4

WARREN, NEW JERSEY 07059

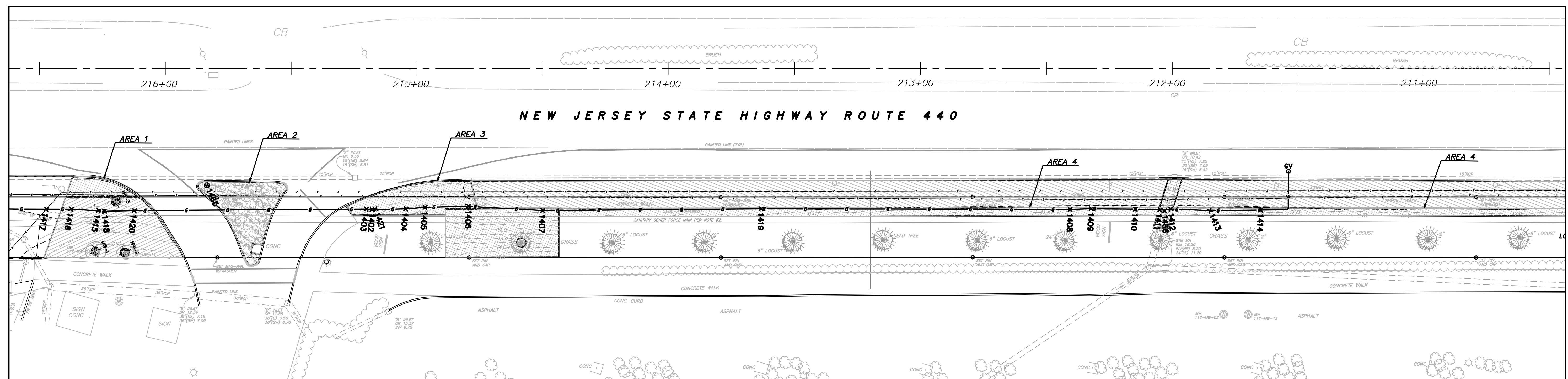
PHONE 732-564-1818 CERTIFICATE OF AUTHORIZATION NO. 27944900 FAX 732-564-9999

date 01-13-12 scale 1" = 50' proj. no. 2201 sheet 1 OF 2

STATION 206+50 TO 211+50



STATION 211+50 TO 215+50



GAS LINE CHART

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1402	684061.58	603361.87	8.53	6" HDPE Gas Tracer 6" Offset above
1403	684059.60	603360.73	8.39	6" HDPE Gas Tracer 6" Offset above
1404	684073.91	603367.24	8.59	6" HDPE Gas Tracer 6" Offset above
1405	684081.08	603369.88	8.17	6" HDPE Gas Tracer 6" Offset above
1406	684096.98	603376.75	8.46	6" HDPE Gas Tracer 6" Offset above
1407	684122.97	603390.63	8.44	6" HDPE Gas Tracer 6" Offset above
1408	684313.37	603478.01	8.50	6" HDPE Gas Tracer 6" Offset above
1409	684321.04	603481.28	8.99	6" HDPE Gas Tracer 6" Offset above
1410	684336.95	603488.79	8.59	6" HDPE Gas Tracer 6" Offset above
1411	684345.69	603493.11	8.54	6" HDPE Gas Tracer 6" Offset above
1412	684349.76	603494.68	8.69	6" HDPE Gas Tracer 6" Offset above
1413	684363.62	603501.72	9.66	6" HDPE Gas Tracer 6" Offset above
1414	684382.04	603510.01	9.58	6" HDPE Gas Tracer 6" Offset above
1415	683962.73	603316.76	7.31	6" HDPE Gas Tracer 6" Offset above
1416	683953.12	603311.62	8.36	6" HDPE Gas Tracer 6" Offset above
1417	683944.16	603307.49	8.37	6" HDPE Gas Tracer 6" Offset above
1418	683964.77	603317.92	7.42	6" HDPE Gas Tracer 6" Offset above
1419	684202.07	603426.38	7.52	6" HDPE Gas Tracer 6" Offset above
1420	683975.67	603322.65	7.41	6" HDPE Gas Tracer 6" Offset above
1421	684062.96	603362.29	7.24	6" HDPE GAS

STORM CHART

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1400	684548.69	603588.86	9.64	18" RCP Top of Pipe
1401	684688.26	603648.72	10.38	36" Currogated HDPE STORM Top
1431	684687.30	603648.00	10.47	A5 36" Currogated HDPE STORM Top
1432	684700.69	603654.24	10.45	A5 36" Currogated HDPE STORM Top
1433	684708.56	603659.24	11.94	A5 36" Currogated HDPE STORM Top
1435	684704.13	603656.48	12.71	A5 STORM MANHOLE
1463	684783.68	603695.71	11.68	A6 DRAIN Box Manhole
1464	684787.80	603694.11	11.67	A6 DRAIN Box Manhole
1465	684006.07	603325.68	9.12	STORM MANHOLE
1466	684347.19	603494.29	10.25	STORM SEWER HDPE

NOTES:

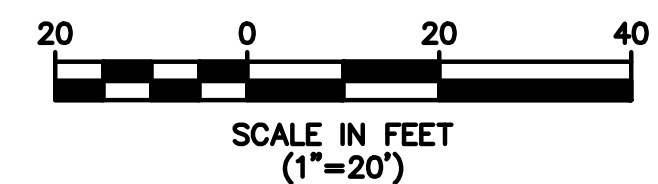
- THIS IS TO CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP OR PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED ON OCTOBER 18, 2011 BY ENACT. THE INFORMATION DEPICTED HEREON, CORRECTLY REPRESENTS THE CONDITIONS FOUND AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY BELOW THE SURFACE AND NOT VISIBLE. ACCORDINGLY THE UNDERSIGNED PROFESSIONAL IS NOT RESPONSIBLE FOR THE PRESENCE OF UNDERGROUND UTILITIES OR STRUCTURES, IF SAME ARE NOT VISIBLE OR OTHERWISE DISCLOSED BY ANY AFOREMENTIONED DATA LISTED ABOVE.
- THIS PLAN IS MADE FOR AND CERTIFIED TO THE PARTIES NAMED HEREON FOR THE PURPOSE(S) STATED. NO OTHER PURPOSE IS INTENDED NOR IMPLIED. THE UNDERSIGNED PROFESSIONALS ARE NEITHER RESPONSIBLE NOR LIABLE FOR THE USE OF THIS PLAN BEYOND ITS INTENDED PURPOSE.
- THE USE OF THE WORD "CERTIFY" OR "CERTIFICATION" CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION, AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.
- SITE BENCHMARK USED: GPS BASE STATION - ELEVATION = 27.521 THE HORIZONTAL DATUM IS NAD83, THE VERTICAL DATUM IS NGVD29.

LEGEND

- 12 AS-BUILT FINISH GRADE CONTOURS
- LIMITS OF EXCAVATION
- AS-BUILT SOIL AND GRASS AREAS
- AS-BUILT 6" ASPHALT AREAS
- AS-BUILT 2" ASPHALT AREAS

BENCHMARK:

GPS BASE STATION
ELEVATION: 27.521
DATUM: NAVD 29



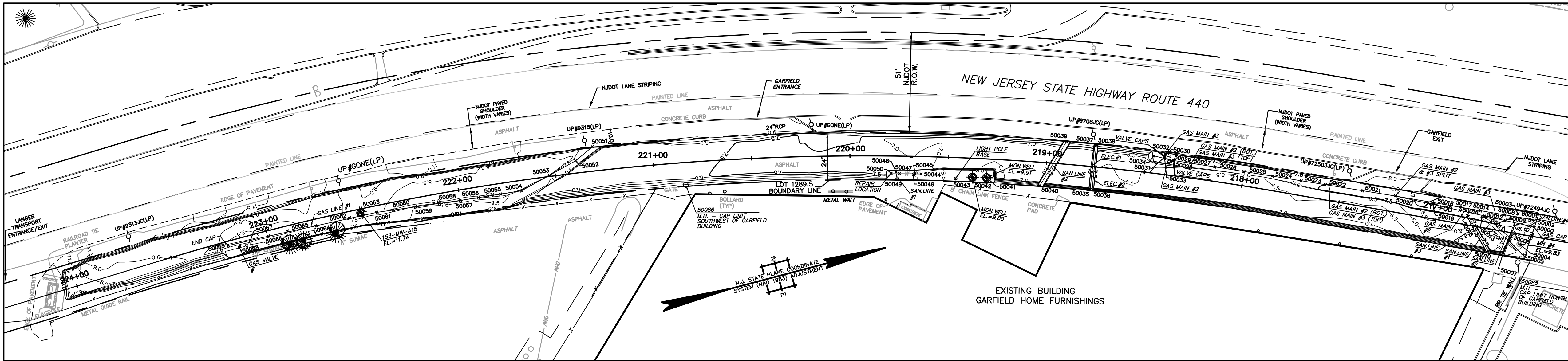
RED BANK OFFICE
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Logan, N.J.
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Mt. Arlington, N.J.
Chestnut Ridge, N.Y.
Newburgh, N.Y.
Bethlehem, PA.

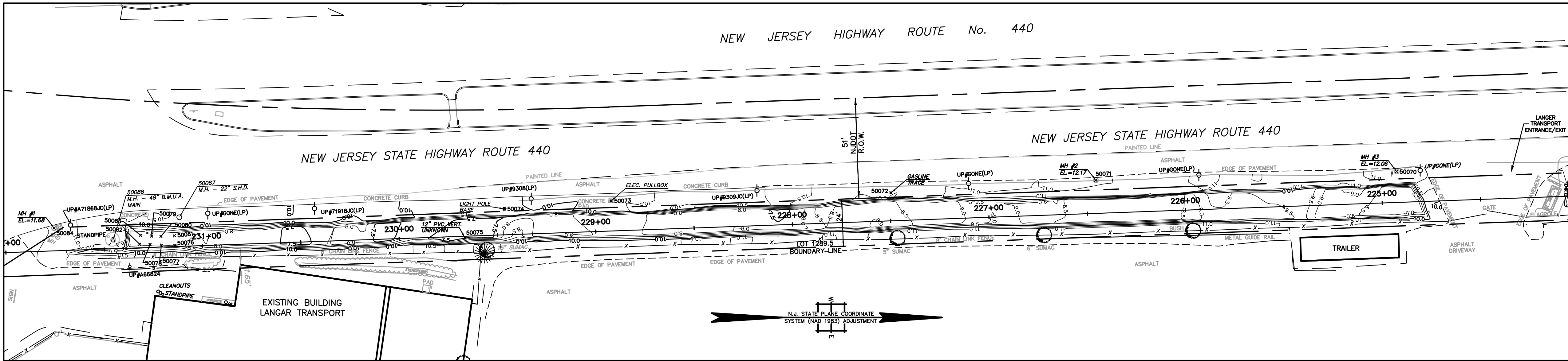
FINAL AS-BUILT CONTOUR DRAWING
DISCOVERED UTILITIES DRAWING
HONEYWELL AREA 5 SITE 153
SOUTH UPPER SEGMENT
JERSEY CITY
HUDSON COUNTY NEW JERSEY

JOB NUMBER: 11000810A	DATE: DEC. 1, 2011
SCALE: 1"=20'	LATEST REVISION:
INDEX NUMBER: RBSU016300	DESIGN BY: MRM
SHEET NUMBER: 1 of 1	

PHASE II
STATIONS 216+50 TO 224+50



PHASE I
STATIONS 224+50 TO 232+00



BENCHMARK:

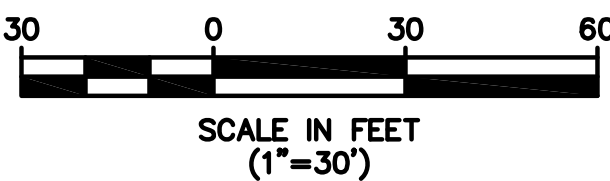
GPS BASE STATION
ELEVATION: 27.521
DATUM: NAVD 29

NOTES:

- THIS IS TO CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP OR PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED ON DECEMBER 21, 2009 BY ENTACT, LLC, WITH PERIODIC FIELD SURVEY CHECKS PERFORMED BY MASER CONSULTING P.A. THE INFORMATION DEPICTED HEREON, CORRECTLY REPRESENTS THE CONDITIONS FOUND AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY BELOW THE SURFACE AND NOT VISIBLE. ACCORDINGLY THE UNDERSIGNED PROFESSIONAL IS NOT RESPONSIBLE FOR THE PRESENCE OF UNDERGROUND UTILITIES OR STRUCTURES, IF SAME ARE NOT VISIBLE OR OTHERWISE DISCLOSED BY ANY AFOREMENTIONED DATA LISTED ABOVE.
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- SITE BENCHMARK USED: GPS BASE STATION - ELEVATION = -27.52
THE HORIZONTAL DATUM IS NAD83, THE VERTICAL DATUM IS NGVD29.

LEGEND

- 12" AS-BUILT POST EXCAVATION CONTOURS
- LIMITS OF EXCAVATION
- GAS LINES AND AS-BUILT POINTS
- SANITARY LINES AND AS-BUILT POINTS
- ELECTRIC LINES AND AS-BUILT POINTS
- WATER LINES AND AS-BUILT POINTS
- WELLS, MANHOLES, OTHER OBJECTS
- X 50043 POINT NUMBER FOR UTILITY LOCATIONS (SEE SHEET NO. 5 OF 5)



R. THOMAS HUGG
NEW JERSEY PROFESSIONAL
LAND SURVEYOR LIC. NO. 36737

												ENTACT		339 Haymaker Rd., Suite 1101 Monroeville, PA 15146 P: 412-357-1100					
										DRAWING NAME:		FINAL AS-BUILT DRAWINGS							
										PROJECT NAME & LOCATION		DISCOVERED UTILITIES DRAWING							
										HONEYWELL SAS / SITE 153		HONEYWELL SAS / SITE 153							
										JERSEY CITY, NEW JERSEY		JERSEY CITY, NEW JERSEY							
										PREPARED BY		J. HOUGH		CHECKED BY		C. PANICO		REVISION	
										DRAWN BY		J. HOUGH		APPROVED BY		C. PANICO		1	
										DATE		2/9/2010		DATE		2/9/2010		SHEET NO.	
										PROJECT NO.		D1177E		DRAWING NO.		D-1177E-001		4 OF 5	
										ADDITIONAL UTILITY LOCATIONS INCLUDED									
										DESCRIPTION									

GAS LINES

GAS LINE #1: - VISIBLE IN EXCAVATION FROM STATION 221+30 TO 223+20
- 4" LINE WITH TRACE WIRE 6" ABOVE CROWN
- LOCATED WITHIN 3' CLEAN FILL ZONE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50051	683488.4039	603146.5691	8.29	4" GASLINE #1 INTO SLOPE	GASLINE #1 COMES OUT OF SLOPE ON NORTHWEST SIDE OF EXCAVATION
50052	683478.349	603151.273	8.23	4" GASLINE #1	
50053	683463.6195	603155.0406	8.31	4" GASLINE #1	
50054	683447.812	603159.084	8.38	4" GASLINE #1	
50055	683437.1066	603157.9731	8.41	4" GASLINE #1	
50056	683425.6486	603156.7842	8.68	4" GASLINE #1	
50057	683416.453	603155.83	8.832	4" GASLINE #1	
50058	683405.8789	603154.5975	8.75	4" GASLINE #1	
50059	683393.5789	603153.1636	8.89	4" GASLINE #1	
50060	683382.2677	603151.9477	8.8	4" GASLINE #1	
50061	683373.951	603150.876	8.54	4" GASLINE #1	
50062	683359.8873	603150.1129	8.6	4" GASLINE #1	
50064	683342.2666	603149.6365	8.59	4" GASLINE #1	
50065	683327.8294	603148.5062	8.51	4" GASLINE #1	
50066	683317.8308	603148.5589	8.7	4" GASLINE #1	
50067	683308.1043	603148.302	8.72	4" GASLINE #1	
50068	683301.887	603150.125	11.39	4" GASLINE #1 VALVE	
50069	683296.449	603147.947	8.43	4" GASLINE #1 ENDCAP	CAPPED AT SOUTH END
50072	682867.419	603146.705	10.79	GASLINE TRACE	

GAS LINE #2: - VISIBLE IN EXCAVATION FROM STATION 216+50 TO 218+50
- 4" LINE WITH TRACE WIRE 6" ABOVE CROWN
- LOCATED WITHIN 3' CLEAN FILL ZONE
- GASLINE #2 RUNS BELOW GASLINE #3 UNTIL STATION 217+25
WHERE IT SPLITS OFF TO THE EAST

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50000	683940.799	603306.148	9.04	216+50 CAP GAS?	GASMAIN #2 CONTINUES THROUGH NORTH END OF EXCAVATION
50002	683938.7242	603307.0748	6.11	4" GASMAIN #2	
50009	683927.4219	603301.2288	6.09	4" GASMAIN #2	
50012	683917.5805	603296.1384	6.07	4" GASMAIN #2	
50016	683906.5043	603290.4092	6.05	4" GASMAIN #2	
50019	683893.9144	603283.8972	6.01	4" GASMAIN #2	
50020	683876.5582	603274.8188	6.58	4" GASMAIN #2, #3 SPLIT	
50021	683961.12192	603268.103	6.6	4" GASMAIN #2, (BOTTOM)	
50022	683846.4186	603260.1915	6.53	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50023	683832.2049	603255.2209	6.52	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50024	683818.6752	603249.1594	6.51	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50025	683805.2821	603243.2031	6.55	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50026	683791.7164	603237.2329	6.55	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50027	683780.1735	603232.1861	6.56	4" GASMAIN #3 (TOP), #2 (BOTTOM)	
50034	683763.084	603223.842	5.71	4" GASMAIN #2 (BOTTOM) DEADEND	CAPPED AT SOUTH END

GAS LINE #3: - VISIBLE IN EXCAVATION FROM STATION 216+50 TO 218+50
- 4" LINE WITH TRACE WIRE 6" ABOVE CROWN
- LOCATED WITHIN 3' CLEAN FILL ZONE
- GASLINE #3 RUNS ABOVE GASLINE #2 UNTIL STATION 217+25
WHERE GASLINE #2 SPLITS OFF TO THE EAST

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50001	683939.6675	603303.6901	6.09	4" GASMAIN #3	GASMAIN #3 CONTINUES THROUGH NORTH END OF EXCAVATION
50008	683928.0039	603298.3728	6.07	4" GASMAIN #3	
50014	683916.6195	603293.1829	6.18	4" GASMAIN #3	
50017	683906.9606	603288.7796	6.21	4" GASMAIN #3	
50018	683904.0299	603282.8948	6.31	4" GASMAIN #3	STOPPED BEING TOPBOTTOMED AND SEPARATED EAST TO WEST USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3 USE FOR LOCATION FOR BOTH #2 AND #3
50020	6839076.5582	603274.9198	6.58	4" GASMAIN #2, #3 SPLIT	
50021	683901.2792	603288.103	6.6	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50022	683943.4816	603260.1915	6.53	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50023	683932.3049	603255.2209	6.52	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50024	683918.6752	603249.1594	6.51	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50025	683905.2821	603243.2031	6.55	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50026	683791.7164	603237.2329	6.55	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50027	683780.1735	603232.1861	6.56	4" GASMAIN #3 (TOP, #2 (BOTTOM)	
50032	683768.7782	603224.4221	6.51	4" GASMAIN #3	
50033	683768.1088	603226.3949	6.51	4" GASMAIN #3 (TOP) 90 TO WEST	GASMAIN #3 COMES OUT OF WEST END OF SLOPE. 90 TO NORTH

GAS LINE VALVES: - ALL VALVES LOCATED WERE AT THE START OF GASLINE VIEW
AT STATION 218+50

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50028	683772.502	603228.832	6.91	GAS VALVECAPS	
50029	683771.9	603228.625	6.87	GAS VALVECAPS	
50030	683768.4263	603225.5112	8.08	GAS VALVECAPS	
50031	683768.313	603225.862	7.22	GAS VALVECAPS	

BENCHMARK:

GPS BASE STATION
ELEVATION: 27.521
DATUM: NAVD 29

NOTES:

1. THIS IS TO CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP OR PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED ON DECEMBER 21, 2009 BY ENTACT, LLC, WITH PERIODIC FIELD SURVEY CHECKS PERFORMED BY MASER CONSULTING P.A. THE INFORMATION DEPICTED HEREON, CORRECTLY REPRESENTS THE CONDITIONS FOUND AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY BELOW THE SURFACE AND NOT VISIBLE. ACCORDINGLY THE UNDERSIGNED PROFESSIONAL IS NOT RESPONSIBLE FOR THE PRESENCE OF UNDERGROUND UTILITIES OR STRUCTURES, IF SAME ARE NOT VISIBLE OR OTHERWISE DISCLOSED BY ANY AFOREMENTIONED DATA LISTED ABOVE.
2. THIS PLAN IS MADE FOR AND CERTIFIED TO THE PARTIES NAMED HEREON FOR THE PURPOSE(S) STATED. NO OTHER PURPOSE IS INTENDED NOR IMPLIED. THE UNDERSIGNED PROFESSIONALS ARE NEITHER RESPONSIBLE NOR LIABLE FOR THE USE OF THIS PLAN BEYOND ITS INTENDED PURPOSE.
3. THE USE OF THE WORD "CERTIFY" OR "CERTIFICATION" CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION, AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.
4. SITE BENCHMARK USED: GPS BASE STATION - ELEVATION = 27.52
THE HORIZONTAL DATUM IS NAD83, THE VERTICAL DATUM IS NAVD29.

R. THOMAS HUGG
NEW JERSEY PROFESSIONAL
LAND SURVEYOR LIC. NO. 36737

WATER LINES

- VISIBLE IN EXCAVATION AT STATION 219+75
- 6" LINE LOCATED OUTSIDE OF EAST EXCAVATION SLOPE
- NOT LOCATED WITHIN ORIGINAL 3' CLEAN FILL ZONE,
BUT EXCAVATED AND CLEAN-FILLED DUE TO RUPTURED LINE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50044	683646.3433	603202.5977	7.69	6" WATER LINE	
50047	683635.7587	603199.5078	7.48	6" WATER LINE	
50050	683631.71	603198.325	7.21	6" WATER LINE REPAIR LOCATION	WATER LINE RUPTURED DURING EXCAVATION
50045	683643.399	603201.731	9.07	WATER MAIN VALVE CAP	
50046	683642.576	603201.807	10.09	WATER MAIN VALVE CAP	

SANITARY LINES

12" RCP STORM LINES: - VISIBLE IN EXCAVATION NEAR STATION 216+75

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50005	683926.702	603311.632	6.92	12" RCP SANITARY #1	
50013	683916.2332	603296.7493	6.89	12" RCP SANITARY #2	
50006	683927.771	603310.645	6.91	12" RCP SANITARY #2	
50011	683918.125	603297.0997	7.07	12" RCP SANITARY #2	

6" PVC SANITARY LINES:

- SANLINE #1 VISIBLE PERPENDICULAR WATER LINE AT 219+75
- SANLINE #2 IS VISIBLE PERPENDICULAR TO EXCAVATION AT 219+00
- SANLINES #3 AND #4 ARE VISIBLE NEAR STATION 216+75
- ALL LINES LOCATED WITHIN 3' CLEAN FILL ZONE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50048	683634.345	603198.23	7.67	6" SANITARY LINE #1 90 DOWN FROM BUILDING	
50049	683633.797	603202.1406	7.68	6" SANITARY LINE #1 FROM BUILDING	
50039	683722.0462	603205.564	7.21	6" SANITARY LINE #2	
50040	683703.1678	603223.7655	7.48	6" SANITARY LINE #2	
50010	683915.0549	603314.0375	7.54	6" SANITARY LINE #3	
50015	683909.7637	603293.674	6.79	6" SANITARY LINE #3	
50003	683934.5288	603299.422	6.54	6" SANITARY LINE #4	
50007	683932.322	603314.618	7.15	6" SANITARY LINE #4	

ELECTRIC LINES

- VISIBLE IN EXCAVATION PERPENDICULAR TO EXCAVATION AT STATION 218+75
- LOCATED WITHIN 3' CLEAN FILL ZONE,

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50035	683727.458	603232.0212	7.66	ELECTRIC LINE 1	
50037	683735.4818	603210.9427	7.26	ELECTRIC LINE 1	
50036	683728.4695	603232.3838	7.11	ELECTRIC LINE 2	
50038	683736.2179	603211.2654	7.1	ELECTRIC LINE 2	

MISC UTILITIES AND ITEMS

- VISIBLE IN EXCAVATION PERPENDICULAR TO EXCAVATION AT STATION 218+75
- ALL LOCATED WITHIN OR ABOVE 3' CLEAN FILL ZONE,

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	NOTE/COMMENT
50063	683366.047	603148.971	11.74	153-MW-A15	MW HIT IN EXCAVATION PROGRESS
50041	683678.101	603212.934	9.91	MW	
50042	683671.178	603210.828	9.8	MW	
50075	682650.906	603169.621	8.27	12" PVC VERTICAL UNKNOWN	
50076	682503.5021	603173.4835	8.34	CONCRETE SLAB	STATION 231+25
50077	682496.508	603173.338	8.32	CONCRETE SLAB	
50078	682480.313	603172.948	8.23	CONCRETE SLAB	
50079	682491.666	603168.722	8.41	CONCRETE SLAB	
50080	682496.379	603168.843	8.55	CONCRETE SLAB	
50081	682503.217	603168.543	8.21	CONCRETE SLAB	
50082	682485.554	603172.823	8.2	CONCRETE SLAB	
50083	682486.03	603168.28	8.22	CONCRETE SLAB	
50073	682725.2195	603150.8424	10.94	ELECTRIC PULLBOX	ELEC LINE NOT IN EXCAVATED AREA
50043	683662.772	603209.23	9.63	LIGHTPOLE BASE	
50074	682670.8563	603154.8473	10.28	LIGHTPOLE BASE	
50084	682442.096	603164.631	11.68	MW #1	STATION 231+75
50071	682971.545	603140.326	12.17	MW #2	STATION 225+00
50070	683124.472	603135.841	12.06	MW #3	STATION 226+50
50004	683931.249	603314.674	9.83	MW #4	STATION 218+50
50085	683928.1	603323.3	10.3	MANHOLE	CAP LIMIT NORTH OF GARFIELD BUILDING
50086	683529.3	603177.5	10.214	MANHOLE	CAP LIMIT SOUTHWEST OF GARFIELD BUILDING
50087	682505.7	603159.2	10.793	MANHOLE	22" S.H.D.
50088	682472.1	603170.6	15.075	MANHOLE	48" B.M.U.A. MAIN

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