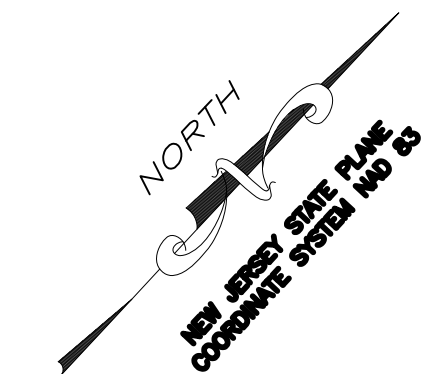
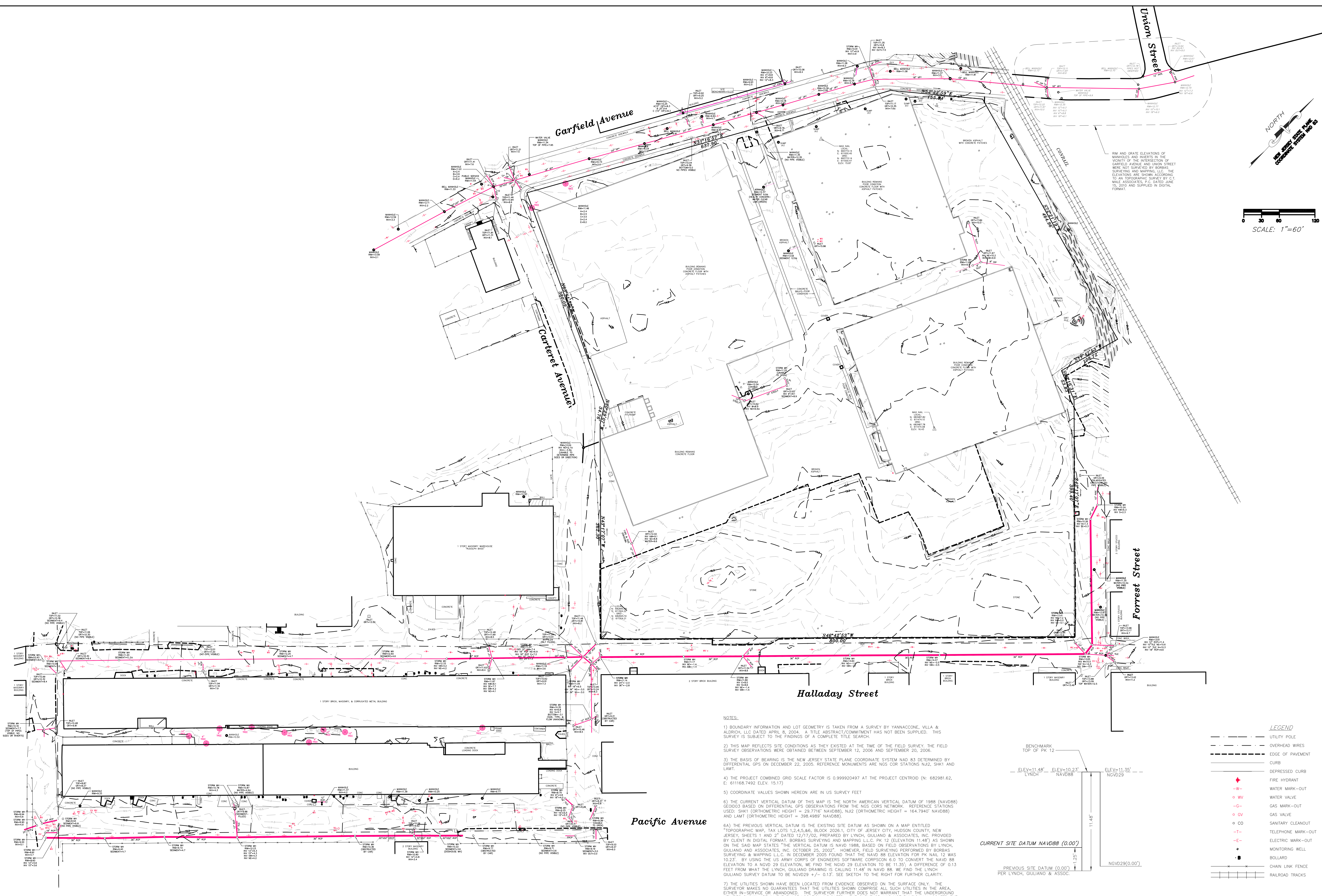


Appendix H

As-Built Diagrams



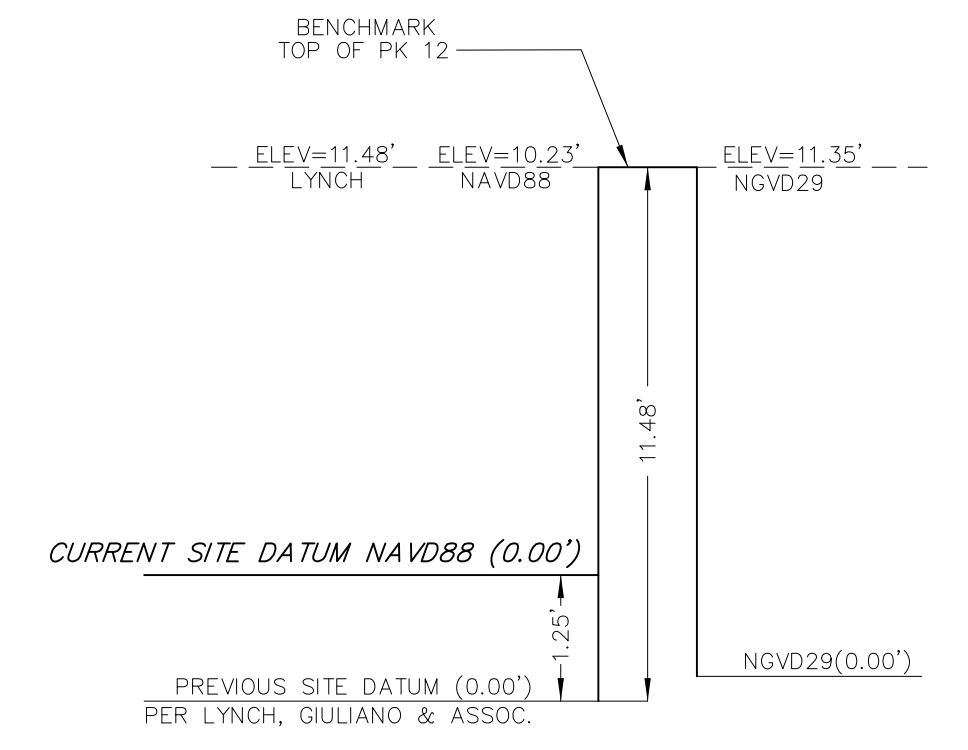
SCALE: 1"=60'

- NOTES:
- BOUNDARY INFORMATION AND LOT GEOMETRY IS TAKEN FROM A SURVEY BY YANNAKONE, VILA & ALDRICH, LLC DATED APRIL 8, 2004. A TITLE ABSTRACT/COMMENT WAS NOT SUPPLIED. THIS SURVEY IS SUBJECT TO THE FINDINGS OF A COMPLETE TITLE SEARCH.
 - THIS MAP REFLECTS SITE CONDITIONS AS THEY EXISTED AT THE TIME OF THE FIELD SURVEY. THE FIELD SURVEY OBSERVATIONS WERE OBTAINED BETWEEN SEPTEMBER 12, 2006 AND SEPTEMBER 20, 2006.
 - THE BASIS OF BEARING IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 DETERMINED BY DIFFERENTIAL GPS ON DECEMBER 22, 2005. REFERENCE MONUMENTS ARE NSJ COR STATIONS NJ22, SHK1 AND LAMT.
 - THE PROJECT COMBINED GRID SCALE FACTOR IS 0.999920497 AT THE PROJECT CENTROID (N: 682981.62, E: 61168.7492 ELEV. 15.17)
 - COORDINATE VALUES SHOWN HEREON ARE IN US SURVEY FEET
 - THE CURRENT VERTICAL DATUM OF THIS MAP IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) GEODESIC BASED ON DIFFERENTIAL GPS OBSERVATIONS FROM THE NSJ CORS NETWORK. REFERENCE STATIONS USED: SHK1 (ORTHOMETRIC HEIGHT = 29.7718' NAVD88), NJ22 (ORTHOMETRIC HEIGHT = 164.7940' NAVD88) AND LAMT (ORTHOMETRIC HEIGHT = 398.4989' NAVD88).
 - THE PREVIOUS VERTICAL DATUM IS THE EXISTING SITE DATUM AS SHOWN ON A MAP ENTITLED "TOPOGRAPHIC MAP, TAX LOTS 1, 2, 4, 5 & 6 - BLOCK 2026.1, CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY, SHEETS 1 AND 2" DATED 12/17/02, PREPARED BY LYNCH, GIULIANO & ASSOCIATES, INC. PROVIDED BY CLIENT IN DIGITAL FORMAT. BORBAS SURVEYING AND MAPPING L.L.C. PK 12 (ELEVATION 11.48') AS SHOWN ON THE SAID MAP STATES "THE VERTICAL DATUM IS NAVD 1988 BASED ON FIELD OBSERVATIONS BY LYNCH, GIULIANO AND ASSOCIATES, INC. OCTOBER 25, 2002". HOWEVER, FIELD SURVEYING PERFORMED BY BORBAS SURVEYING AND MAPPING L.L.C. IN DECEMBER 2005 FOUND THAT THE NAVD 88 ELEVATION FOR PK 12 WAS 10.23'. BY USING THE US ARMY CORPS OF ENGINEERS SOFTWARE CORPSSGN 6.0 TO CONVERT THE NAVD 88 ELEVATION TO A NAVD 29 ELEVATION, WE FIND THE NAVD 29 ELEVATION TO BE 11.35', A DIFFERENCE OF 0.13 FEET FROM WHAT THE LYNCH, GIULIANO DRAWING IS CALLING 11.48' IN NAVD 88. WE FIND THE LYNCH, GIULIANO SURVEY DATUM TO BE NAVD29 +/- 0.13'. SEE SKETCH TO THE RIGHT FOR FURTHER CLARITY.
 - THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
 - RIM AND GRATE ELEVATIONS OF MANHOLES AND INVERTS IN THE VICINITY OF THE INTERSECTION OF GARFIELD AVENUE AND UNION STREET WERE NOT SURVEYED BY BORBAS SURVEYING AND MAPPING, L.L.C. THE ELEVATIONS ARE SHOWN ACCORDING TO AN TOPOGRAPHIC SURVEY BY C.T. MALE ASSOCIATES, P.C. DATED JUNE 15, 2010 AND SUPPLIED IN DIGITAL FORMAT.
 - TOTAL LOT AREA = 709,022 SQ.FT. = 16.28 ACRES

- REFERENCES:
- "SURVEY OF LOTS 1, 2, 4, 5 & 6 - BLOCK 2026.1 CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY" DATED APRIL 8, 2004 PREPARED BY YANNAKONE, VILA & ALDRICH, LLC, CHRISTOPHER J. ALDRICH, P.L.S.
 - DEEDS:
 - DBK 3389 PG 387 - BLOCK 2006.1 PART OF LOT 1, AND LOTS 2 & 3
 - DBK 3117 PG 1124 - BLOCK 2006.1 LOT 1
 - DBK 3176 PG 929 - BLOCK 2006.1 LOT 42
 - DBK 4458 PG 265 - BLOCK 2007 LOTS 22 TO 26 AND LOTS 30 TO 35
 - DBK 3382 PG 453 - BLOCK 2017 PART OF LOT H
 - DBK 4748 PG 200 - BLOCK 2017 LOTS 1 TO 25
 - DBK 3671 PG 18 - BLOCK 2026.1 LOT 1
 - DBK 3360 PG 320 - BLOCK 2026 LOTS C2 & A7
 - DBK 3360 PG 320 - BLOCK 2029 LOTS A3 & A7

LEGEND

---	UTILITY POLE
---	OVERHEAD WIRES
---	EDGE OF PAVEMENT
---	CURB
---	DEPRESSED CURB
+	FIRE HYDRANT
-W-	WATER MARK-OUT
o WV	WATER VALVE
-G-	GAS MARK-OUT
o GV	GAS VALVE
o CD	SANITARY CLEANOUT
-T-	TELEPHONE MARK-OUT
-E-	ELECTRIC MARK-OUT
o	MONITORING WELL
•	BOLLARD
+	CHAIN LINK FENCE
---	RAILROAD TRACKS



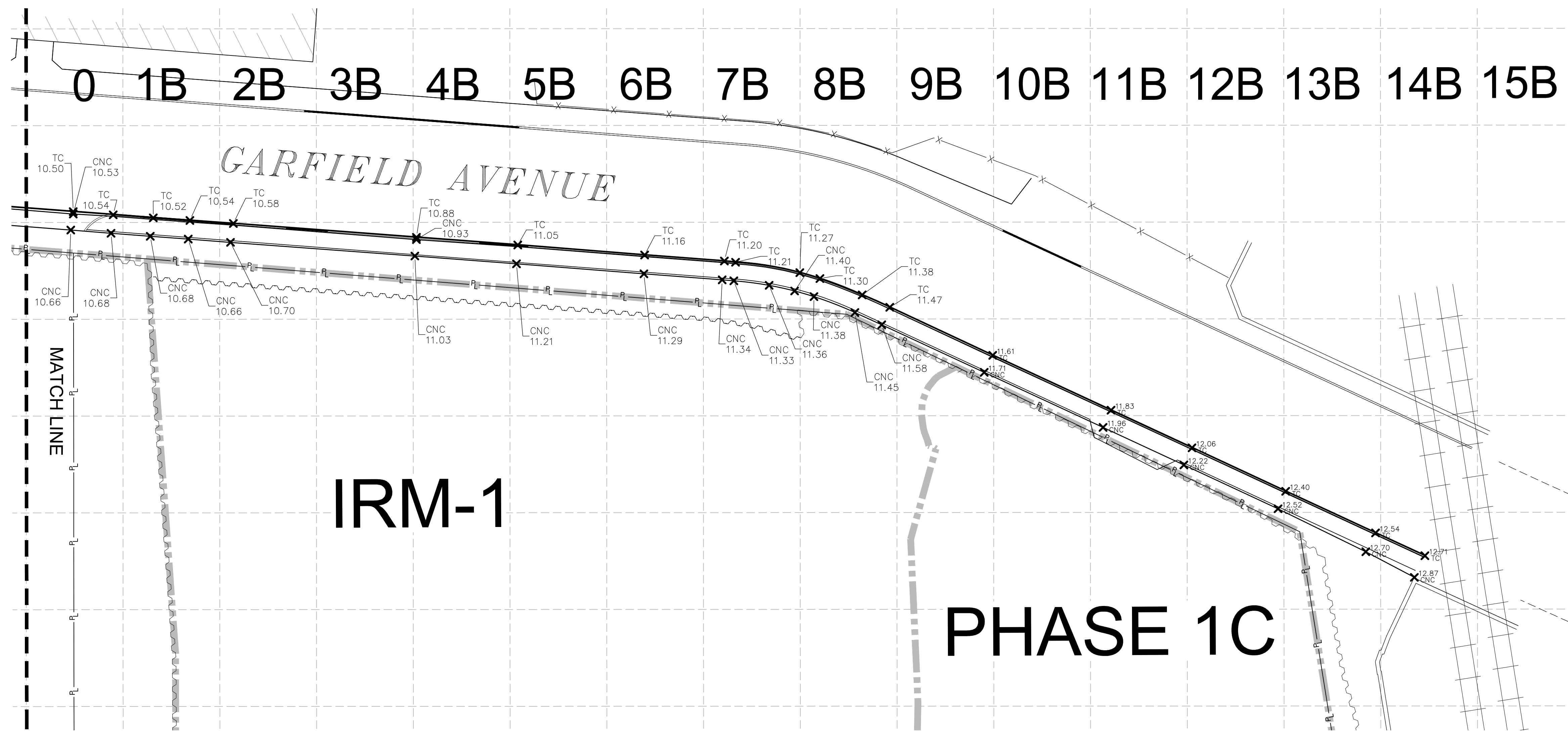
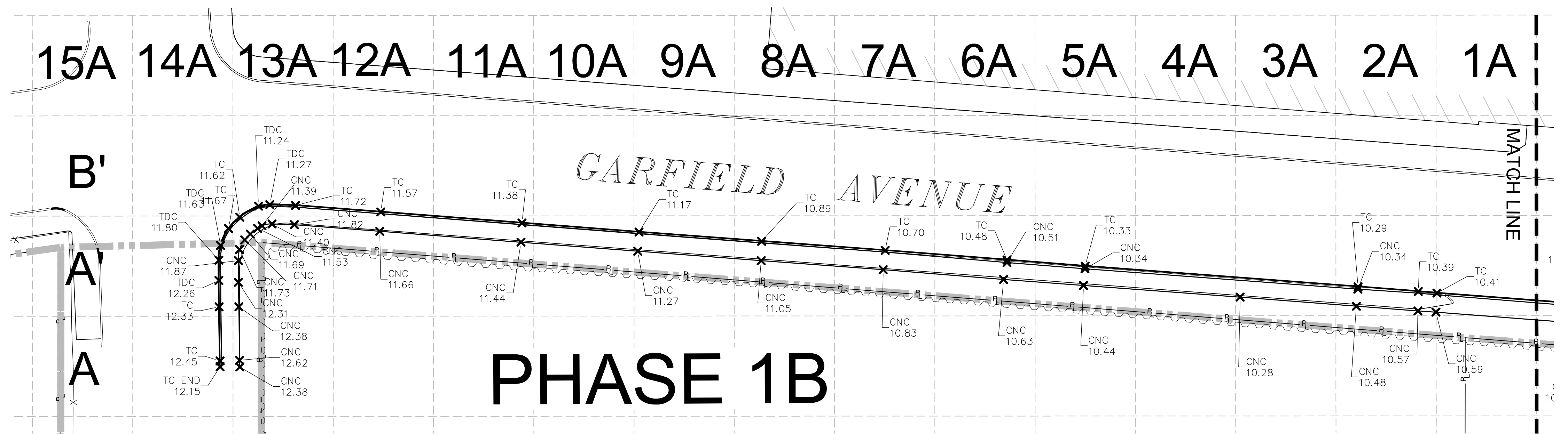
CATCH BASIN-RECEPTOR EVALUATION SURVEY
PPG SITE 114
THE CITY OF JERSEY CITY
HUDSON COUNTY, NEW JERSEY

BORBAS SURVEYING & MAPPING, LLC
408 MAIN STREET, BOONTON, NEW JERSEY 07005
Phone (973) 216-6743 Fax (973) 402-6827 www.borbas.com
NJ CERTIFICATE OF AUTHORIZATION NO. 34632004200
Professional & Technical Surveying & Mapping & Planning & Engineering & Environmental & Geotechnical & Construction & Other Related Services

J. PETER BORBAS
NJ PROFESSIONAL LAND SURVEYOR 24690316300 PROFESSIONAL PLANNER 2684

SCALE: 1"=60'
 FIELD BOOK: 051201 NAVD88
 DRAWING: 051201 2011-04-15
 WORK ORDER: _____
 PROJECT NO.: 051201

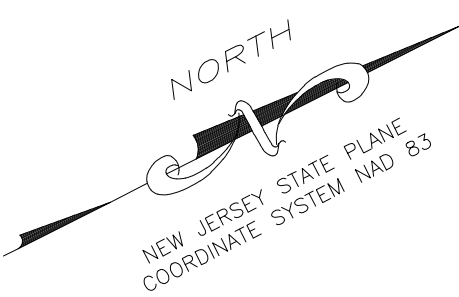
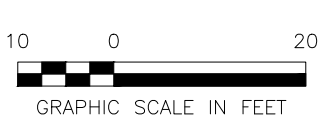
Date: APRIL 19, 2011



- LEGEND**
- PROPERTY LINE
 - EXISTING SHEETPILE
 - PHASE BOUNDARY
 - AS-BUILT SURVEY POINT
 - POINT DESCRIPTION
 - POINT ELEVATION (FEET)
 - CURB
 - CHAIN LINK FENCE
 - RAILROAD TRACKS

- POINT CODES**
- CNC CONCRETE
 - TC TOP OF CURB
 - TDC TOP OF DEPRESSED CURB

- NOTES:**
1. AS-BUILT LOCATIONS AND ELEVATIONS OBTAINED BY MASER CONSULTING, PA ON 1/14/15
 2. HORIZONTAL DATUM - NORTH AMERICAN DATUM OF 1983 (NAD83)
VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
 3. THE ABUTMENT BY THE RAILROAD TRACKS WAS SURVEYED BY BORBAS ON JANUARY 22, 2016.



File: P:\Jobs\New_Eng_Project_Files\PPG_Industries\Garfield Avenue\Site Design\CAD\DWG\Site\As-Built\D-01.dwg Layout: C-01 User: mlflecks Plotfile: Mar-31-2016 3:58pm

7						
6						
5						
4						
3						
2						
1	CBL	4/01/16	GARFIELD AVENUE SIDEWALK AS-BUILT (REV 0) - RTC			
0	SLA	2/12/15	GARFIELD AVENUE SIDEWALK AS-BUILT (REV 0)			
NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD

AECOM

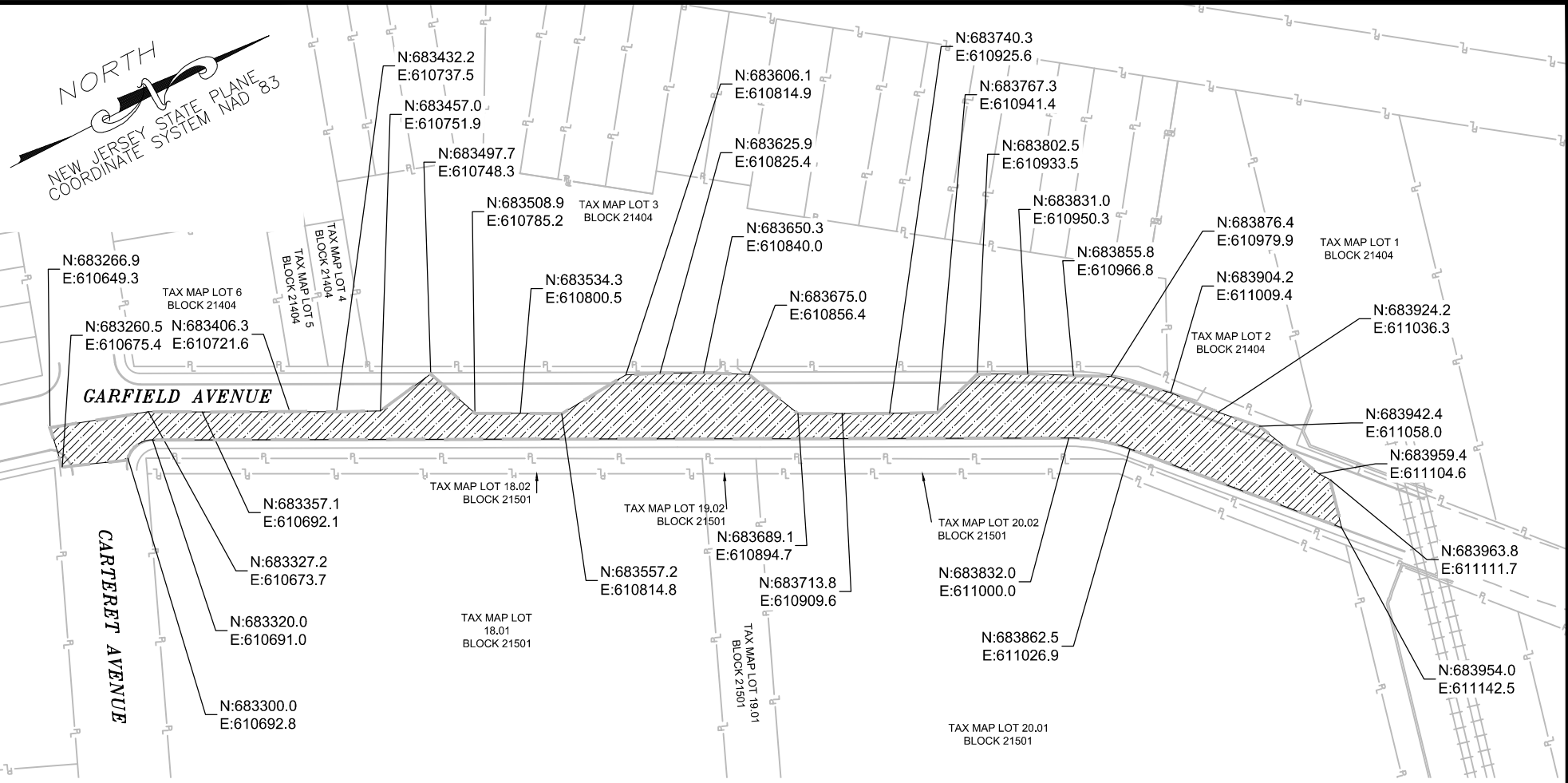
AECOM
 250 A Street Drive
 Cambridge, MA 01824
 617.552.3000

PPG INDUSTRIES
 GARFIELD AVENUE SITES
 JERSEY CITY, NEW JERSEY

PROJ. NUMBER: 0314351 DATE: 04/01/2016

GARFIELD AVENUE
 SIDE AL RESTORATION AS-BUILT
 SITE 114

DRAWING NUMBER: D-01
 SHEET NUMBER: 1 OF 1
 REVISION: 0

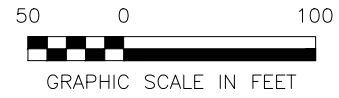


- LEGEND**
- EXISTING CONCRETE CURB
 - EXISTING EDGE OF SIDEWALK
 - PROPERTY LINE
 - SOIL RESTRICTED AREA A
 - LIGHT RAIL TRACKS
 - EXISTING ASPHALT/CONCRETE CAP

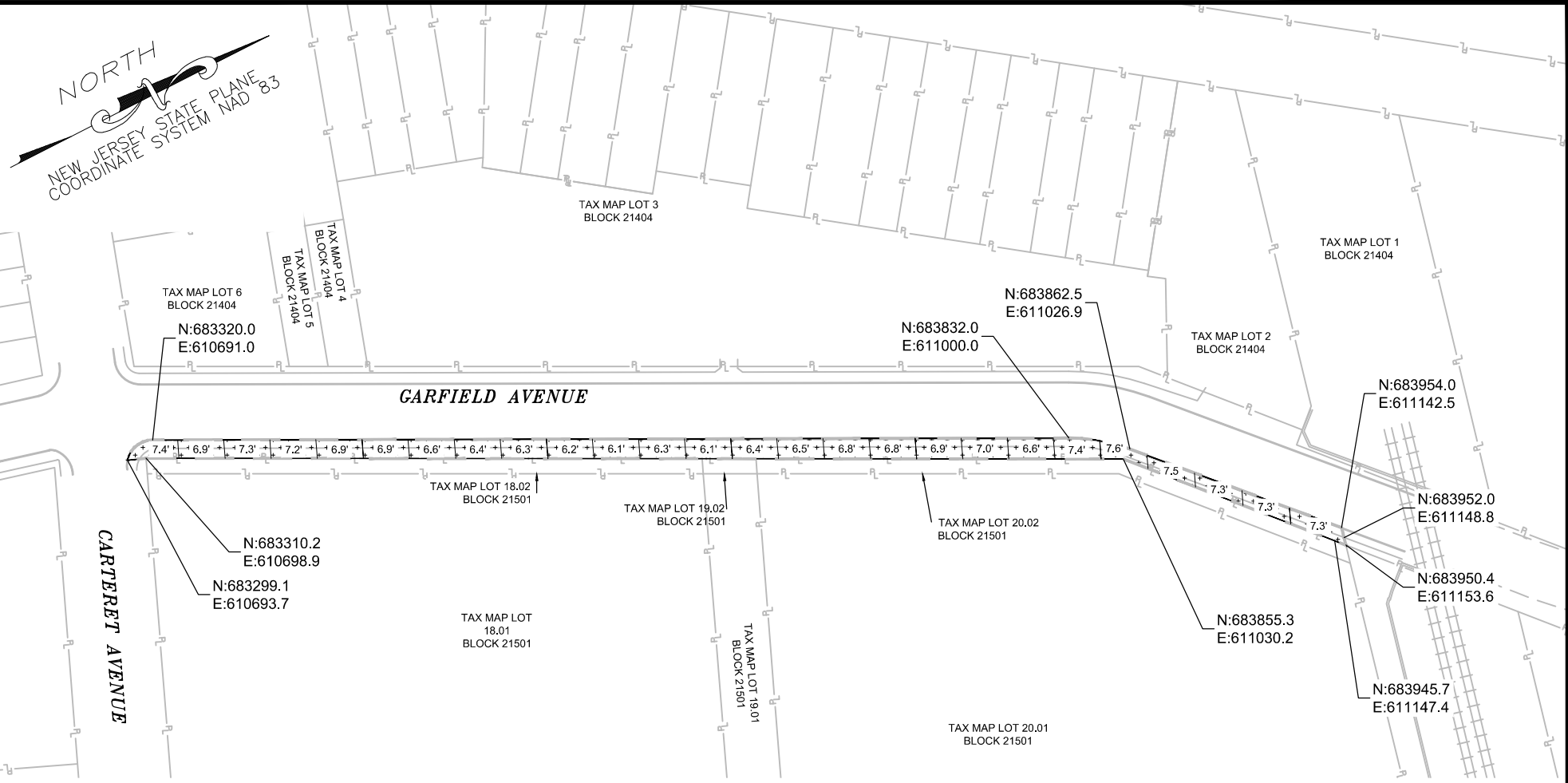
NOTES:

NAD 83 - NORTH AMERICAN DATUM OF 1983
 PI - PROGRAM INTEREST
 TBD - TO BE DETERMINED

- PROPERTY BOUNDARIES ARE SOURCED FROM TBD.
- THE PROPERTY REFERENCED IN THIS NOTICE IN LIEU OF DEED NOTICE IS GARFIELD AVENUE.



GARFIELD AVENUE PI # G000005480 JERSEY CITY, HUDSON COUNTY, NEW JERSEY		AS-BUILT EXISTING ASPHALT/CONCRETE CAP ENGINEERING CONTROL
DATE: 08/31/2022	DRWN: MDN	AS-BUILT



NORTH
 NEW JERSEY STATE PLANE
 COORDINATE SYSTEM NAD 83

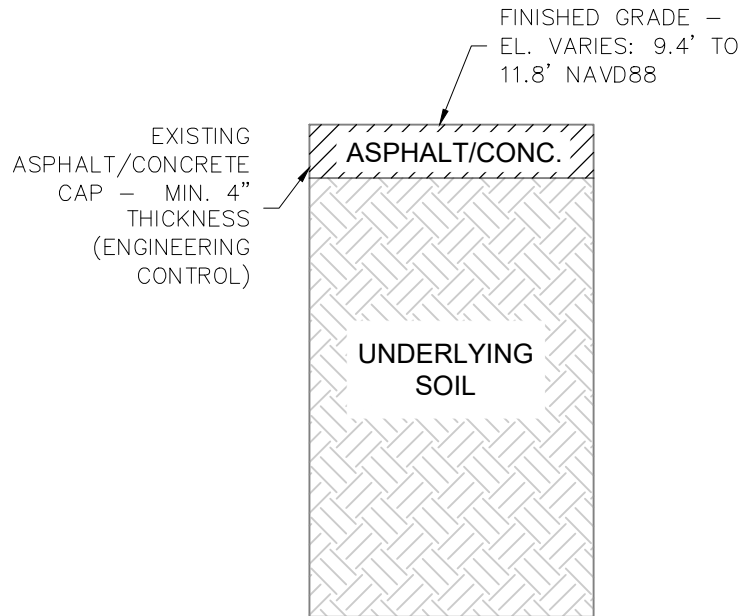
LEGEND

- EXISTING CONCRETE CURB
- EXISTING EDGE OF SIDEWALK
- PROPERTY LINE
- SOIL RESTRICTED AREA B
- LIGHT RAIL TRACKS
- CLEAN FILL SOIL CAP
- 7.4' CLEAN FILL SOIL CAP ELEVATION GRID AND BOUNDARY

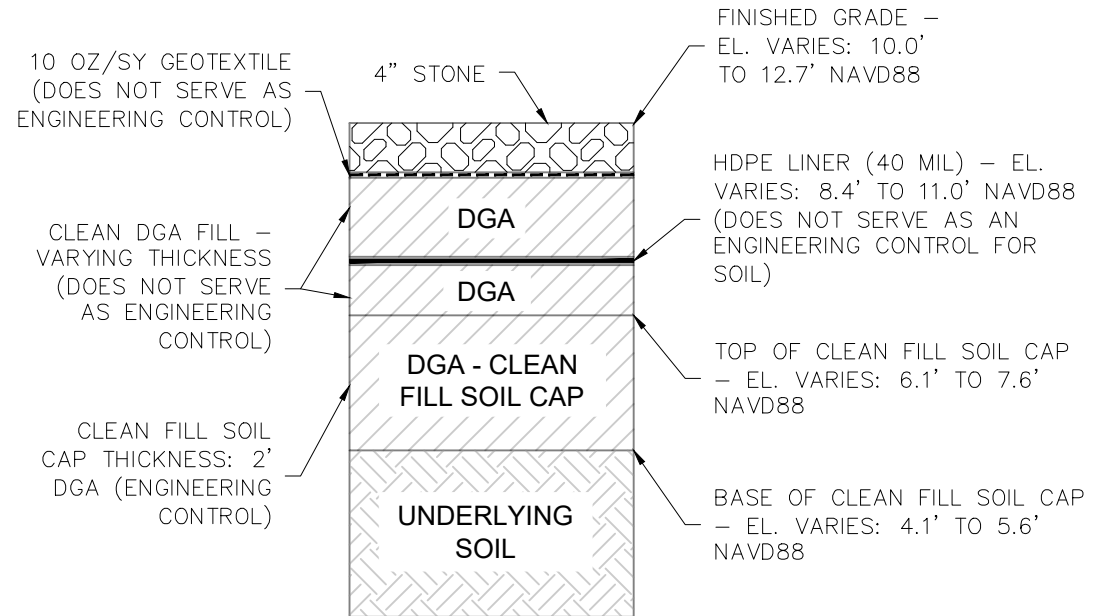
NOTES:
 NAD 83 - NORTH AMERICAN DATUM OF 1983
 PI - PROGRAM INTEREST
 TBD - TO BE DETERMINED
 1. PROPERTY BOUNDARIES ARE SOURCED FROM TBD.
 2. THE PROPERTY REFERENCED IN THIS NOTICE IN LIEU OF DEED NOTICE IS GARFIELD AVENUE.



GARFIELD AVENUE PI # G000005480 JERSEY CITY, HUDSON COUNTY, NEW JERSEY		AS-BUILT CLEAN FILL SOIL CAP ENGINEERING CONTROL
DATE: 08/31/2022	DRWN: MDN	AS-BUILT



1 EX. ASPHALT/CONCRETE CAP
NTS



2 CLEAN FILL SOIL CAP
NTS

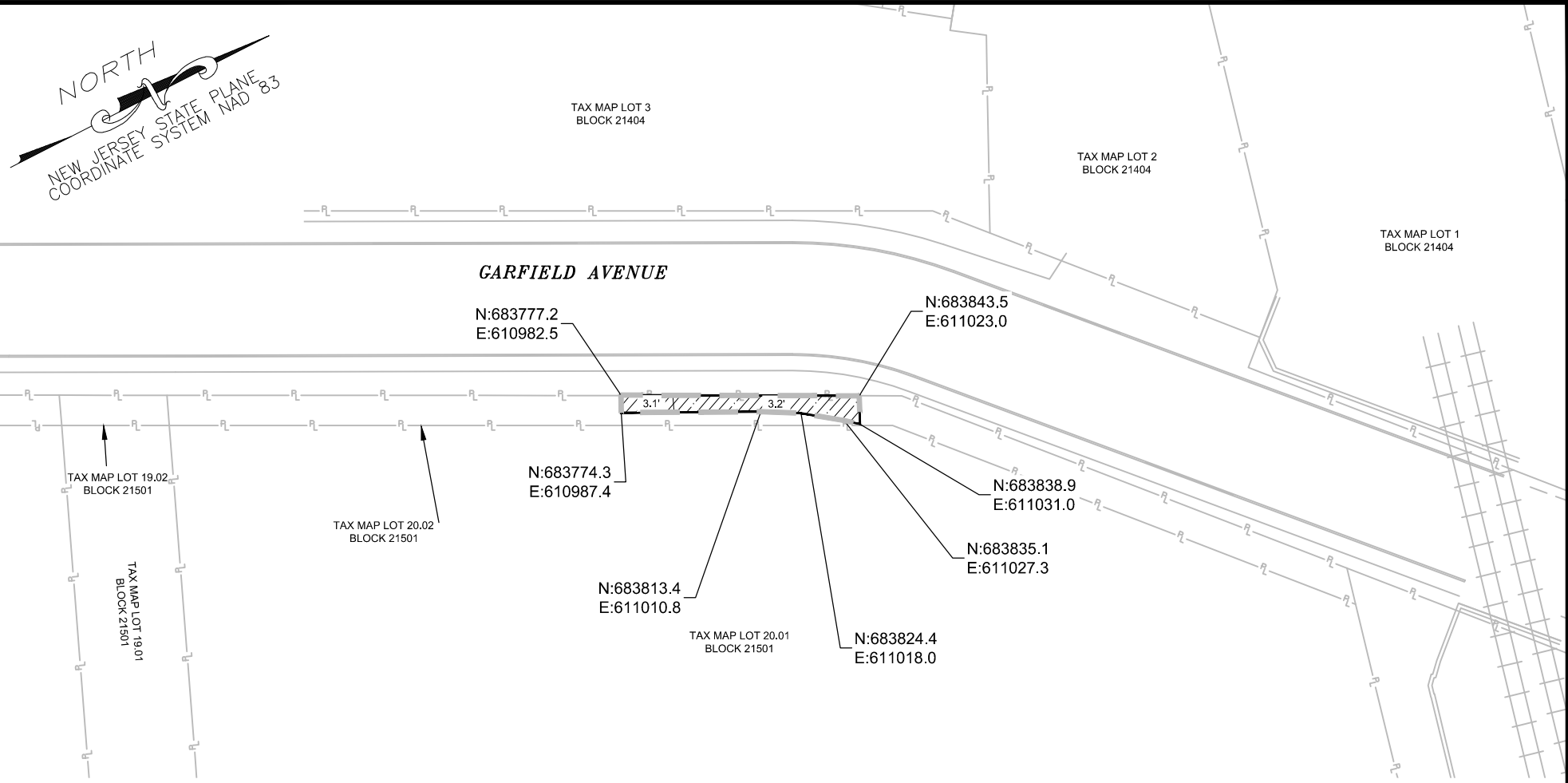
NOTES:

1. THE ENGINEERING CONTROL FOR EACH CAP IS SPECIFIED IN THE DETAILS ON THIS SHEET. THE ADDITIONAL COMPONENTS DEPICTED BY THESE DETAILS ARE PROVIDED FOR RESTORATION PURPOSES.

CONC.	-	CONCRETE
DGA	-	DENSE-GRADED AGGREGATE
EL.	-	ELEVATION
EX.	-	EXISTING
HDPE	-	HIGH-DENSITY POLYETHYLENE
MIN.	-	MINIMUM
NAVD88	-	NORTH AMERICAN VERTICAL DATUM OF 1988
NTS	-	NOT TO SCALE
OZ/SY	-	OUNCES PER SQUARE YARD



GARFIELD AVENUE PI # G000005480 JERSEY CITY, HUDSON COUNTY, NEW JERSEY		AS-BUILT TYPICAL SECTION EXISTING ASPHALT/CONCRETE CAP AND CLEAN FILL SOIL CAP ENGINEERING CONTROLS
DATE: 08/31/2022	DRWN: MDN	AS-BUILT



LEGEND

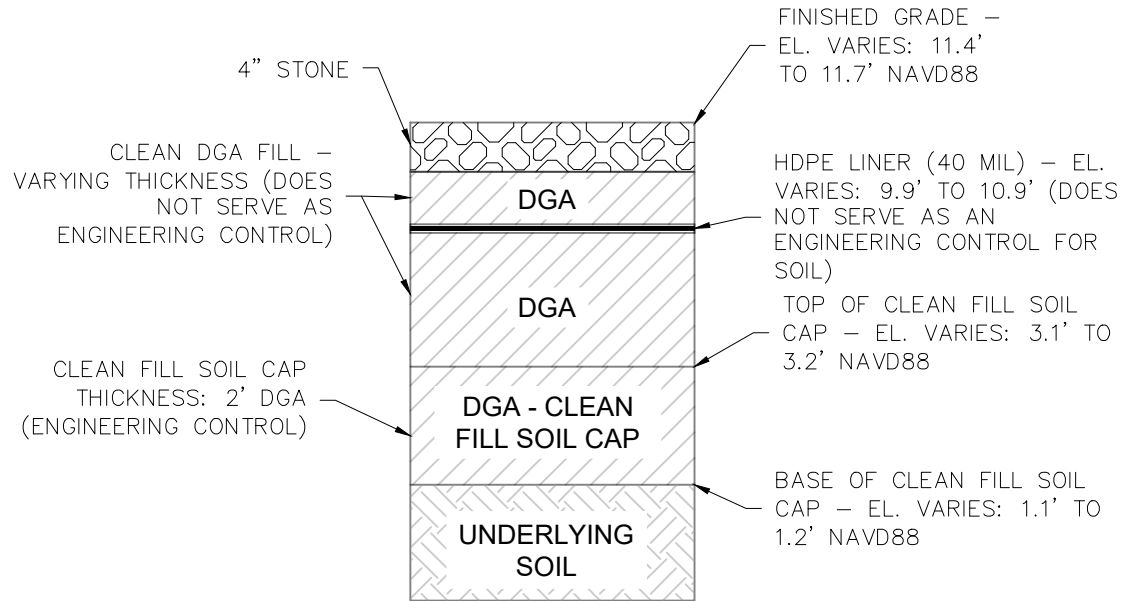
- EXISTING CONCRETE CURB
- EXISTING EDGE OF SIDEWALK
- PROPERTY LINE
- SOIL RESTRICTED AREA
- LIGHT RAIL TRACKS
- CLEAN FILL SOIL CAP
- CLEAN FILL SOIL CAP ELEVATION GRID AND BOUNDARY

NOTES:

- NAD 83 - NORTH AMERICAN DATUM OF 1983
- PI - PROGRAM INTEREST
- TBD - TO BE DETERMINED
- 1. PROPERTY BOUNDARIES ARE SOURCED FROM TBD.
- 2. THE PROPERTY REFERENCED IN THE DEED NOTICE IS BLOCK 21501, LOT 20.02.



BLOCK 21501, LOT 20.02 PI # G000005480 JERSEY CITY, HUDSON COUNTY, NEW JERSEY		AS-BUILT CLEAN FILL SOIL CAP ENGINEERING CONTROL	
DATE: 08/31/2022	DRWN: MDN		EXHIBIT B-1A



1 CLEAN FILL SOIL CAP
NTS

NOTES:

1. THE ENGINEERING CONTROL FOR THE CLEAN FILL SOIL CAP IS SPECIFIED IN THE DETAIL ON THIS SHEET. THE ADDITIONAL COMPONENTS DEPICTED IN THIS DETAIL ARE PROVIDED FOR RESTORATION PURPOSES.

DGA - DENSE-GRADED AGGREGATE
 EL. - ELEVATION
 HDPE - HIGH-DENSITY POLYETHYLENE
 NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988
 NTS - NOT TO SCALE



BLOCK 21501, LOT 20.02 PI # G000005480 JERSEY CITY, HUDSON COUNTY, NEW JERSEY		AS-BUILT TYPICAL SECTION CLEAN FILL SOIL CAP ENGINEERING CONTROL	
DATE: 08/31/2022	DRWN: MDN		EXHIBIT B-1B