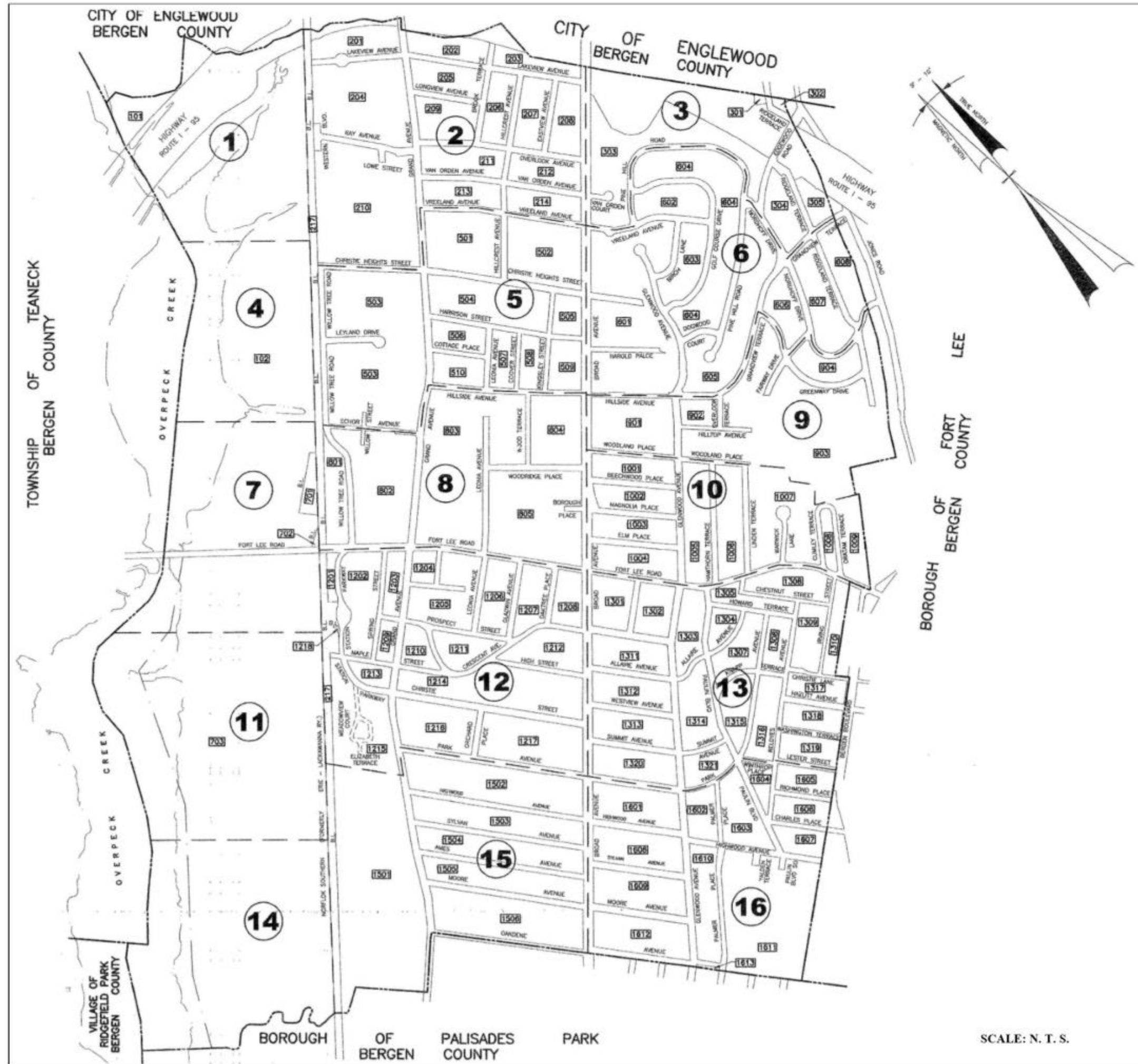


# MUNICIPAL STORMWATER MAPPING AND INVENTORY

## STORM WATER OUTFALL LOCATIONS

### FOR NJDEP/BNPC

#### BOROUGH OF LEONIA, BERGEN COUNTY, NEW JERSEY



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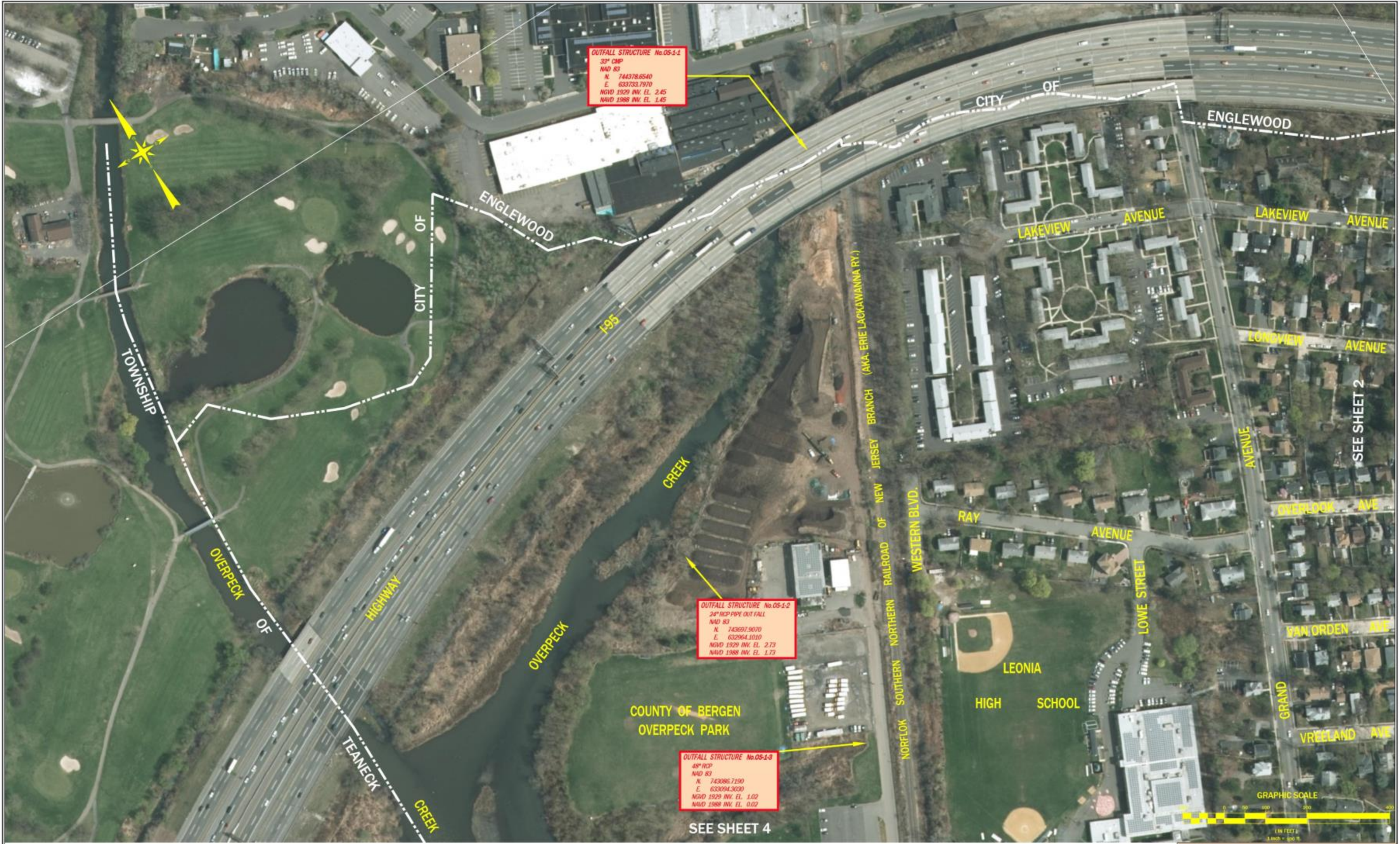
PREPARED BY:  

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 325 So. River Street • SUITE 302, HACKENSACK, N.J. 07601  
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**OUTFALL STRUCTURE No.05-1-1**  
 33" CMP  
 NAD 83  
 N. 744378.6540  
 E. 633733.7970  
 NGVD 1929 INV. EL. 2.45  
 NAVD 1988 INV. EL. 1.45

**OUTFALL STRUCTURE No.05-1-2**  
 24" RCP PIPE OUTFALL  
 NAD 83  
 N. 743697.9070  
 E. 632964.1010  
 NGVD 1929 INV. EL. 2.73  
 NAVD 1988 INV. EL. 1.73

**OUTFALL STRUCTURE No.05-1-3**  
 48" RCP  
 NAD 83  
 N. 743086.7190  
 E. 633094.3030  
 NGVD 1929 INV. EL. 1.02  
 NAVD 1988 INV. EL. 0.02



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BMPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

REV	BY	CHKD	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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**DRAWING TITLE: OUTFALL LOCATIONS SHEET 1**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BMPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: sww



**OUTFALL STRUCTURE No.05-1-3**  
 48" RCP  
 NAD 83  
 N: 743086.7190  
 E: 633094.3030  
 NGVD 1929 INV. EL. 1.02  
 NAVD 1988 INV. EL. 0.02



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

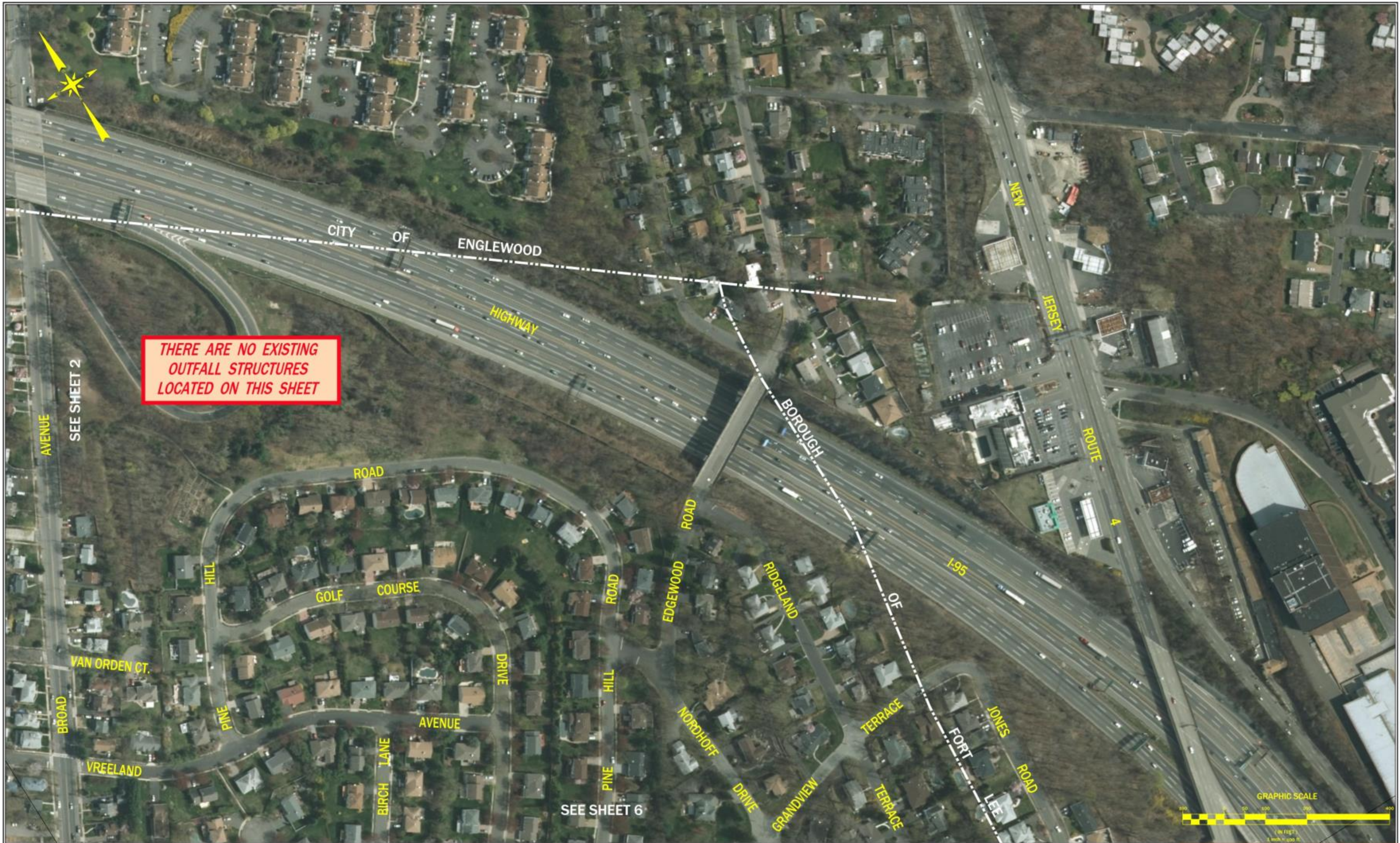
REV	BY	CHKD	DESCRIPTION	REVISIONS

**ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639**  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 2**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO.: L18-0293 SCALE: 1" = 100' DRAWN BY: SWE



**THERE ARE NO EXISTING OUTFALL STRUCTURES LOCATED ON THIS SHEET**



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/ENPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD 1929 TO NAVD 1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

DATE	BY	CHKD	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNATURE: \_\_\_\_\_ DATE: JUNE 12, 2019

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 3**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NDER/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: BWC



**OUTFALL STRUCTURE No.05-1-3**  
 48" RCP  
 NAD 83  
 N. 743086.7190  
 E. 633094.3030  
 NGVD 1929 INV. EL. 1.02  
 NAVD 1988 INV. EL. 0.02

**OUTFALL STRUCTURE No.05-4-4**  
 27" RCP  
 NAD 83  
 N. 742567.7300  
 E. 632993.4370  
 NGVD 1929 INV. EL. 1.00  
 NAVD 1988 INV. EL. 0.00

**OUTFALL STRUCTURE No.05-4-5**  
 18" RCP  
 NAD 83  
 N. 742200.8870  
 E. 632800.9530  
 NGVD 1929 INV. EL. 2.28  
 NAVD 1988 INV. EL. 1.28

**OUTFALL STRUCTURE No.05-4-6**  
 24" RCP  
 NAD 83  
 N. 742022.0410  
 E. 632711.8720  
 NGVD 1929 INV. EL. 1.84  
 NAVD 1988 INV. EL. 0.84

**OUTFALL STRUCTURE No.05-4-7**  
 18" RCP  
 NAD 83  
 N. 741806.4800  
 E. 632604.1890  
 NGVD 1929 INV. EL. 2.41  
 NAVD 1988 INV. EL. 1.41

**OUTFALL STRUCTURE No.05-4-8**  
 4x4' BOX CULVERT  
 NAD 83  
 N. 741533.1340  
 E. 632414.5330  
 NGVD 1929 INV. EL. 0.71  
 NAVD 1988 INV. EL. 0.29

**OUTFALL STRUCTURE No.05-4-9**  
 8x4' BOX CULVERT  
 NAD 83  
 N. 741506.7260  
 E. 632456.7080  
 NGVD 1929 INV. EL. 1.11  
 NAVD 1988 INV. EL. 0.11

**OUTFALL STRUCTURE No.05-4-10**  
 18" RCP  
 NAD 83  
 N. 741426.9870  
 E. 632416.380  
 NGVD 1929 INV. EL. 3.82  
 NAVD 1988 INV. EL. 2.82

**OUTFALL STRUCTURE No.05-4-11**  
 3.5'x3' ELLIPTICAL RCP  
 NAD 83  
 N. 741526.8430  
 E. 632408.1040  
 NGVD 1929 INV. EL. 1.55  
 NAVD 1988 INV. EL. 0.55

**OUTFALL STRUCTURE No.05-4-12**  
 6'x8' ELLIPTICAL RCP  
 NAD 83  
 N. 741579.3300  
 E. 632334.7470  
 NGVD 1929 INV. EL. 0.89  
 NAVD 1988 INV. EL. 0.11



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
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DATE	BY	CHKD	DESCRIPTION

ROBERT L. COSTA, N.J. LIC. NO. 34702 & 4639  
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 SIGNATURE: \_\_\_\_\_ DATE: JUNE 12, 2018

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 4**  
 PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1"= 100' DRAWN BY: bwc



SEE SHEET 2

SEE SHEET 6

SEE SHEET 8



**DATUM REFERENCE**  
THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BMPC OUTFALL UPDATE.  
DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
TO CONVERT FROM THE VERTICAL DATUM OF NGVD 1929 TO NAVD 1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

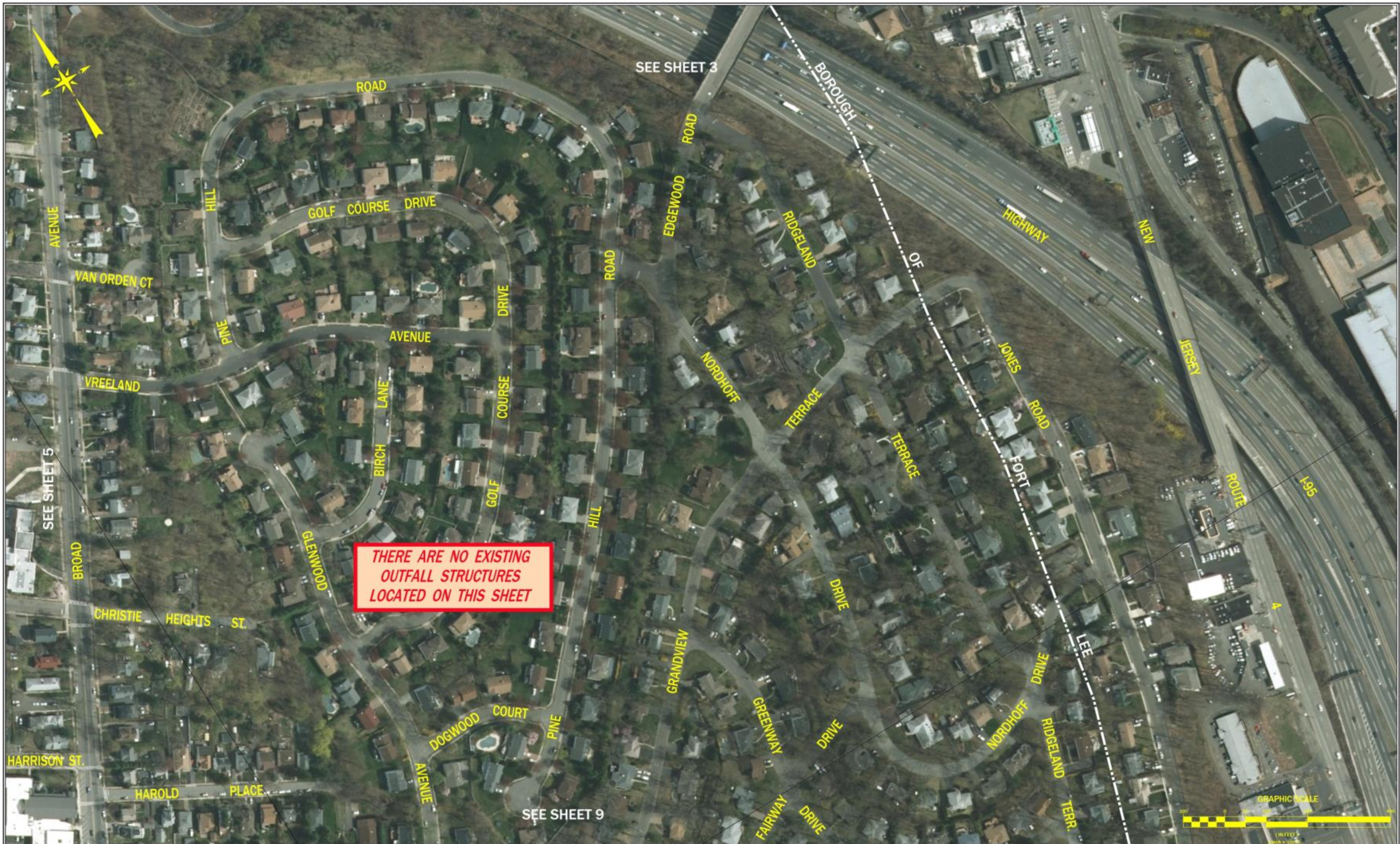
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ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
PROFESSIONAL ENGINEER AND PLANNER  
DATE: JUNE 12, 2019

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TEL: 201.467.2013 FAX: 201.467.5322

**OUTFALL LOCATIONS SHEET 5**  
PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BMPC  
LOCATION: OVERPECK CREEK  
BOROUGH OF LEONIA  
BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: BWC



**THERE ARE NO EXISTING  
OUTFALL STRUCTURES  
LOCATED ON THIS SHEET**

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**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BMPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

NO.	BY	DATE	DESCRIPTION

ROBERT L. COSTA, N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 DATE: JUNE 12, 2019

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 6**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BMPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: bmc



SEE SHEET 4

OUTFALL STRUCTURE No. OS-4-11  
3.5'x3' ELLIPTICAL RCP  
NAD 83  
N: 741526.8430  
E: 632408.1040  
NGVD 1929 INV. EL. 1.55  
NAVD 1988 INV. EL. 0.55

OUTFALL STRUCTURE No. OS-4-8  
4'x4' BOX CULVERT  
NAD 83  
N: 741533.1340  
E: 632414.5230  
NGVD 1929 INV. EL. 0.71  
NAVD 1988 INV. EL. -0.29

OUTFALL STRUCTURE No. OS-4-9  
8'x4' BOX CULVERT  
NAD 83  
N: 741506.7260  
E: 632456.7680  
NGVD 1929 INV. EL. 1.11  
NAVD 1988 INV. EL. 0.11

OUTFALL STRUCTURE No. OS-4-12  
6'x8' ELLIPTICAL RCP  
NAD 83  
N: 741579.3330  
E: 632334.7470  
NGVD 1929 INV. EL. 0.89  
NAVD 1988 INV. EL. -0.11

OUTFALL STRUCTURE No. OS-4-10  
18" RCP  
NAD 83  
N: 741426.9870  
E: 632416.380  
NGVD 1929 INV. EL. 3.82  
NAVD 1988 INV. EL. 2.82

OUTFALL STRUCTURE No. OS-7-13  
24" RCP  
NAD 83  
N: 741347.6040  
E: 632381.6710  
NGVD 1929 INV. EL. 2.97  
NAVD 1988 INV. EL. 1.97

OUTFALL STRUCTURE No. OS-7-14  
24" CMP  
NAD 83  
N: 741164.6860  
E: 632368.9880  
NGVD 1929 INV. EL. 3.82  
NAVD 1988 INV. EL. 2.59

OUTFALL STRUCTURE No. OS-7-15  
6'x3' BOX CULVERT  
NAD 83  
N: 740611.0560  
E: 631161.1030  
NGVD 1929 INV. EL. 0.88  
NAVD 1988 INV. EL. -0.12

OUTFALL STRUCTURE No. OS-7-16  
48" RCP  
NAD 83  
N: 740440.5500  
E: 631206.4160  
NGVD 1929 INV. EL. 1.09  
NAVD 1988 INV. EL. 0.09

SEE SHEET 11

SEE SHEET 8



**DATUM REFERENCE**  
THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPC OUTFALL UPDATE.  
DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

DATE	BY	CHKD	DESCRIPTION

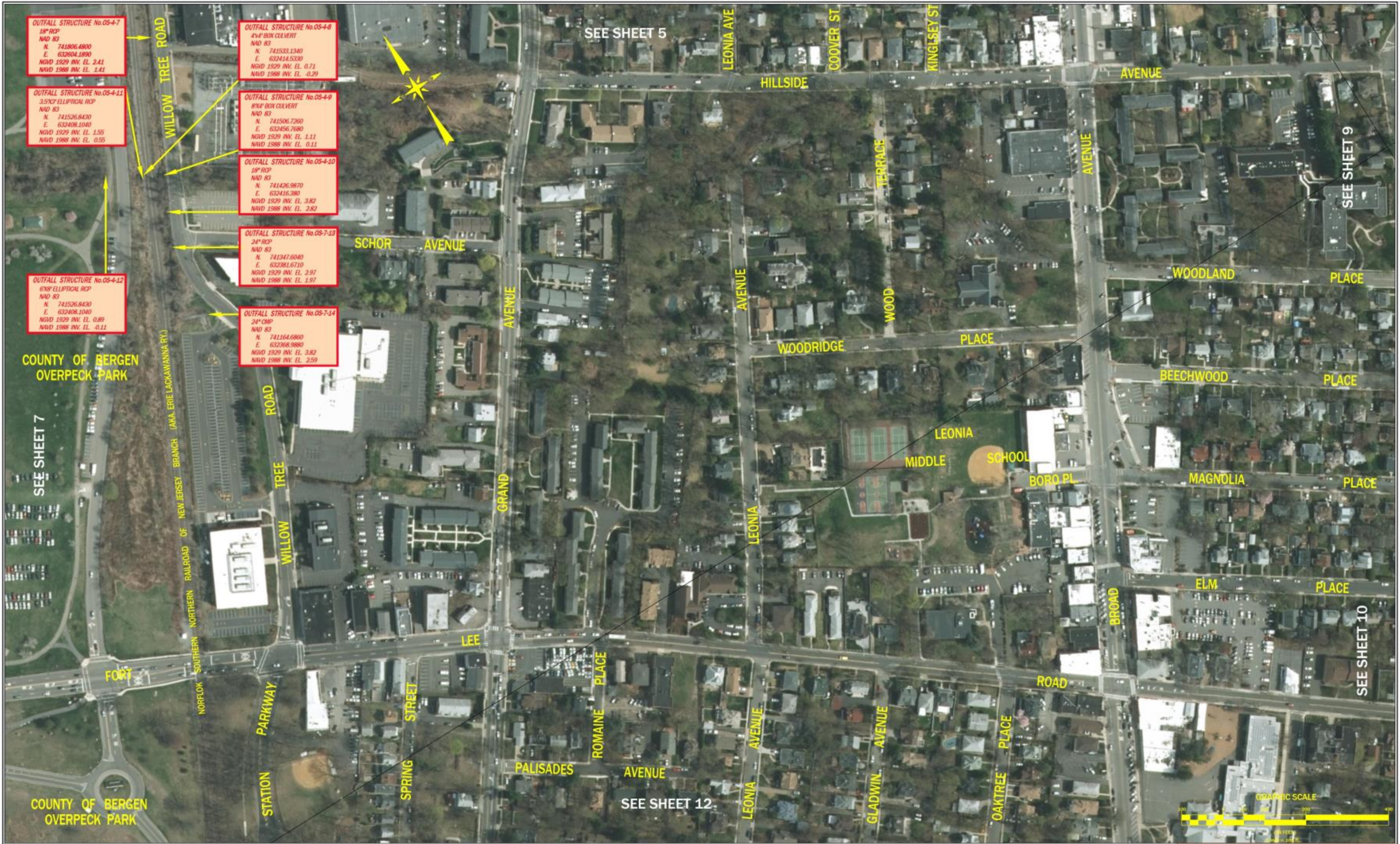
ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
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DATE: JUNE 12, 2018

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 7**  
PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BNPC  
LOCATION: OVERPECK CREEK  
BOROUGH OF LEONIA  
BERGEN COUNTY, NEW JERSEY

PROJ. NO.: L18-0293 SCALE: 1" = 100' DRAWN BY: bwc





**OUTFALL STRUCTURE No.05-4-7**  
 18" RCP  
 NAD 83  
 N. 741806.4800  
 E. 632604.1890  
 NGVD 1929 INV. EL. 2.41  
 NAVD 1988 INV. EL. 1.41

**OUTFALL STRUCTURE No.05-4-8**  
 42" BOX CULVERT  
 NAD 83  
 N. 741533.1340  
 E. 632414.5330  
 NGVD 1929 INV. EL. 0.71  
 NAVD 1988 INV. EL. -0.29

**OUTFALL STRUCTURE No.05-4-11**  
 3.5X3' ELLIPTICAL RCP  
 NAD 83  
 N. 741526.8430  
 E. 632408.1040  
 NGVD 1929 INV. EL. 1.55  
 NAVD 1988 INV. EL. 0.55

**OUTFALL STRUCTURE No.05-4-9**  
 87" BOX CULVERT  
 NAD 83  
 N. 741506.7260  
 E. 632456.7080  
 NGVD 1929 INV. EL. 1.11  
 NAVD 1988 INV. EL. 0.11

**OUTFALL STRUCTURE No.05-4-10**  
 18" RCP  
 NAD 83  
 N. 741426.9870  
 E. 632416.380  
 NGVD 1929 INV. EL. 3.82  
 NAVD 1988 INV. EL. 2.82

**OUTFALL STRUCTURE No.05-7-13**  
 24" RCP  
 NAD 83  
 N. 741347.6040  
 E. 632381.6710  
 NGVD 1929 INV. EL. 2.97  
 NAVD 1988 INV. EL. 1.97

**OUTFALL STRUCTURE No.05-4-12**  
 60" ELLIPTICAL RCP  
 NAD 83  
 N. 741526.8430  
 E. 632408.1040  
 NGVD 1929 INV. EL. 0.89  
 NAVD 1988 INV. EL. -0.11

**OUTFALL STRUCTURE No.05-7-14**  
 24" CMP  
 NAD 83  
 N. 741164.6860  
 E. 632368.9880  
 NGVD 1929 INV. EL. 3.82  
 NAVD 1988 INV. EL. 2.59

**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPD OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
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DATE	BY	CHKD	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLUMBER  
 DATE: JUNE 12, 2019

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 325 SO. RIVER STREET - SUITE 302, HACKENSACK, N.J. 07601  
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PROJECT TITLE: **OUTFALL LOCATIONS SHEET 8**  
 PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BNPD  
 LOCATION: OVERPECK CREEK  
 BOROUGHS OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: **smc**



SEE SHEET 8

SEE SHEET 6

THERE ARE NO EXISTING OUTFALL STRUCTURES LOCATED ON THIS SHEET

SEE SHEET 10



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
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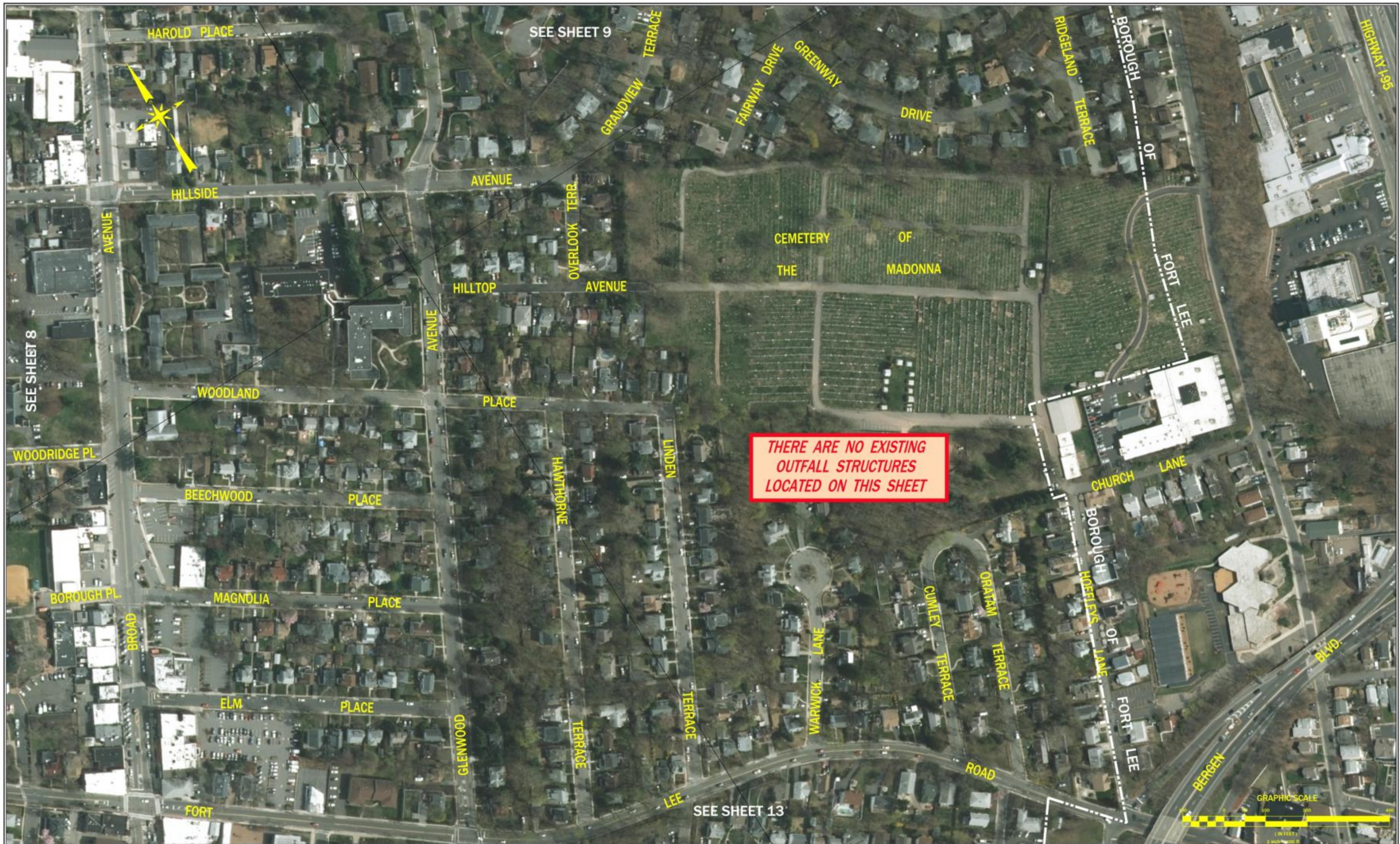
REV	BY	CHKD	DESCRIPTION	REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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State of New Jersey Certificate of Authorization No. GA 276726,  
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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 9**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: SWE



THERE ARE NO EXISTING OUTFALL STRUCTURES LOCATED ON THIS SHEET



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BNPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

REV	BY	CHKD	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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DRAWING TITLE:	<b>OUTFALL LOCATIONS SHEET 10</b>
PROJECT NAME:	MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BNPC
LOCATION:	OVERPECK CREEK BOROUGH OF LEONIA BERGEN COUNTY, NEW JERSEY
PROJ. NO.:	L18-0293
SCALE:	1" = 100'
DRAWN BY:	SWC



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 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BMPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

REV	BY	CHKD	DESCRIPTION	REVISIONS

**ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639**  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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 State of New Jersey Certificate of Authorization No. GA 276726  
 325 So. River Street • Suite 302, Hackensack, N.J. 07601  
 TEL: (201) 461-2013 FAX: (201) 461-5122

**DRAWING TITLE: OUTFALL LOCATIONS SHEET 11**  
 PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BMPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: SWE

11  
16



**OUTFALL STRUCTURE No.05-11-18**  
 4'x1.5' BOX CULVERT  
 NAD 83  
 N: 739900.5630  
 E: 631579.7050  
 NGVD 1929 INV. EL. 3.02  
 NAVD 1988 INV. EL. 2.02

**OUTFALL STRUCTURE No.05-11-19**  
 24" RCJ  
 NAD 83  
 N: 739109.5890  
 E: 631277.0700  
 NGVD 1929 INV. EL. 1.34  
 NAVD 1988 INV. EL. 0.34

SEE SHEET 11

SEE SHEET 8

SEE SHEET 13

SEE SHEET 15



**DATUM REFERENCE**  
 THIS MAP OF DRAINAGE AND SANITARY SEWER STRUCTURES WAS PREPARED BEFORE THE 2018 NJDEP/BMPC OUTFALL UPDATE.  
 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988, SUBTRACT THE FOLLOWING VALUE (1.0 FT.)  
<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

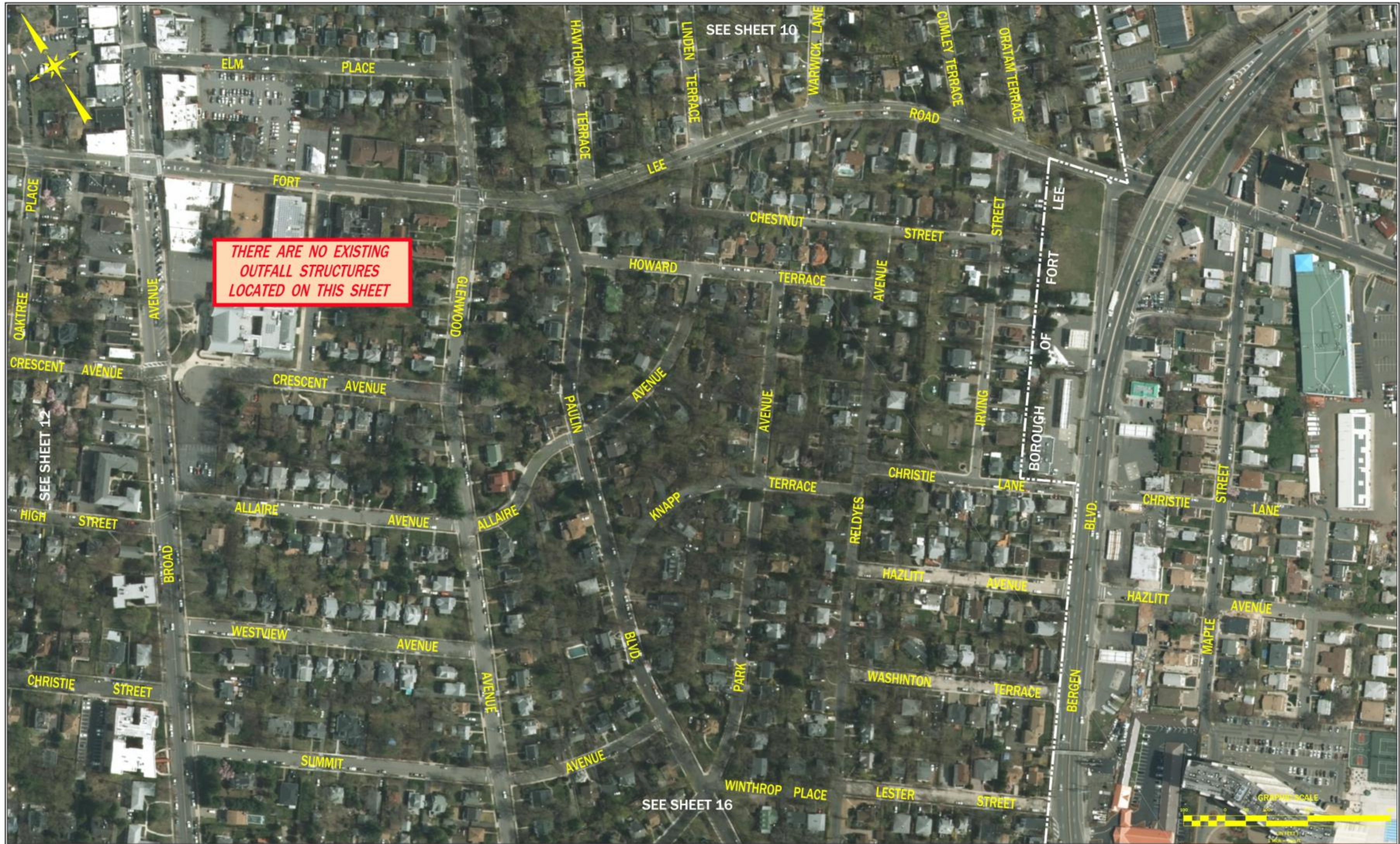
NO.	BY	DATE	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 DATE: JUNE 12, 2019

**COSTA ENGINEERING CORPORATION**  
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 State of New Jersey Certificate of Authorization No. GA 276726  
 325 So. River Street, Suite 202, Hackensack, N.J. 07601  
 TEL: 201-487-0513 FAX: 201-487-5122

DRAWING TITLE: **OUTFALL LOCATIONS SHEET 12**  
 PROJECT NAME: MUNICIPAL STORMWATER MAPPING AND INVENTORY FOR NJDEP/BMPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L19-0293 SCALE: 1" = 100' DRAWN BY: snc



**THERE ARE NO EXISTING  
OUTFALL STRUCTURES  
LOCATED ON THIS SHEET**

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 DATUM SHOWN IS: HORIZONTAL - NAD 83, VERTICAL - NGVD 1929  
 TO CONVERT FROM THE VERTICAL DATUM OF NGVD1929 TO NAVD1988,  
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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

NO.	BY	DATE	REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNATURE: \_\_\_\_\_ DATE: JUNE 12, 2019

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 325 So. River Street, Suite 302, Hackensack, N.J. 07601  
 TEL: (201) 487-0515 FAX: (201) 487-5122

DRAWING TITLE: **OUTFALL LOCATIONS SHEET 13**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NODER/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: swc



SEE SHEET 15

SEE SHEET 11

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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

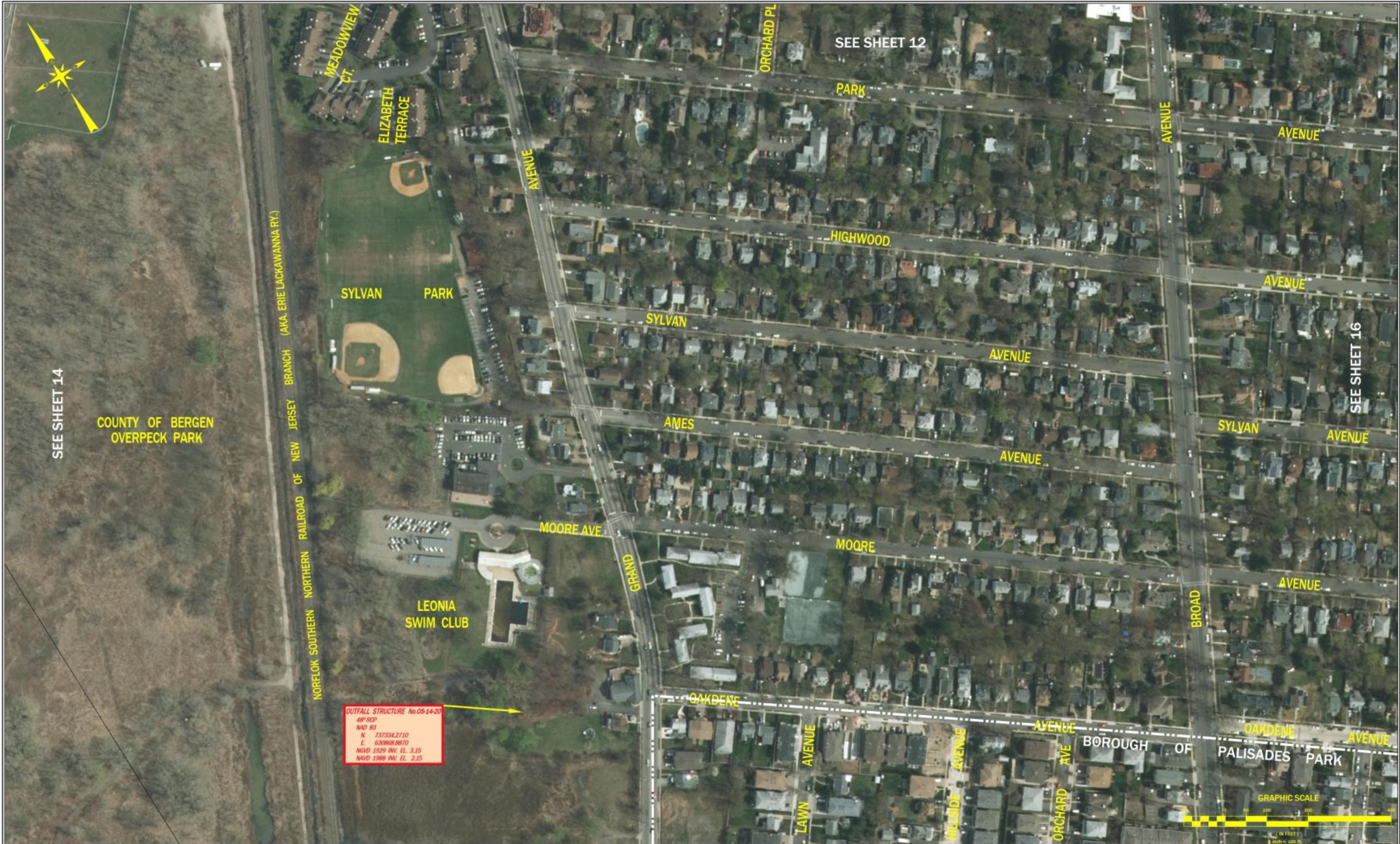
DATE	BY	DESCR	REVISIONS

**ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639**  
 PROFESSIONAL ENGINEER AND PLANNER  
 DATE: JUNE 12, 2019

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 325 So. RIVER STREET - SUITE 302, HACKENSACK, N.J. 07601  
 TEL: 201.487-2013 FAX: 201.487-2022

DRAWING TITLE: **OUTFALL LOCATIONS SHEET 14**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO. L18-0293 SCALE: 1" = 100' DRAWN BY: swc



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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

REV	BY	CHKD	DESCRIPTION

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 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

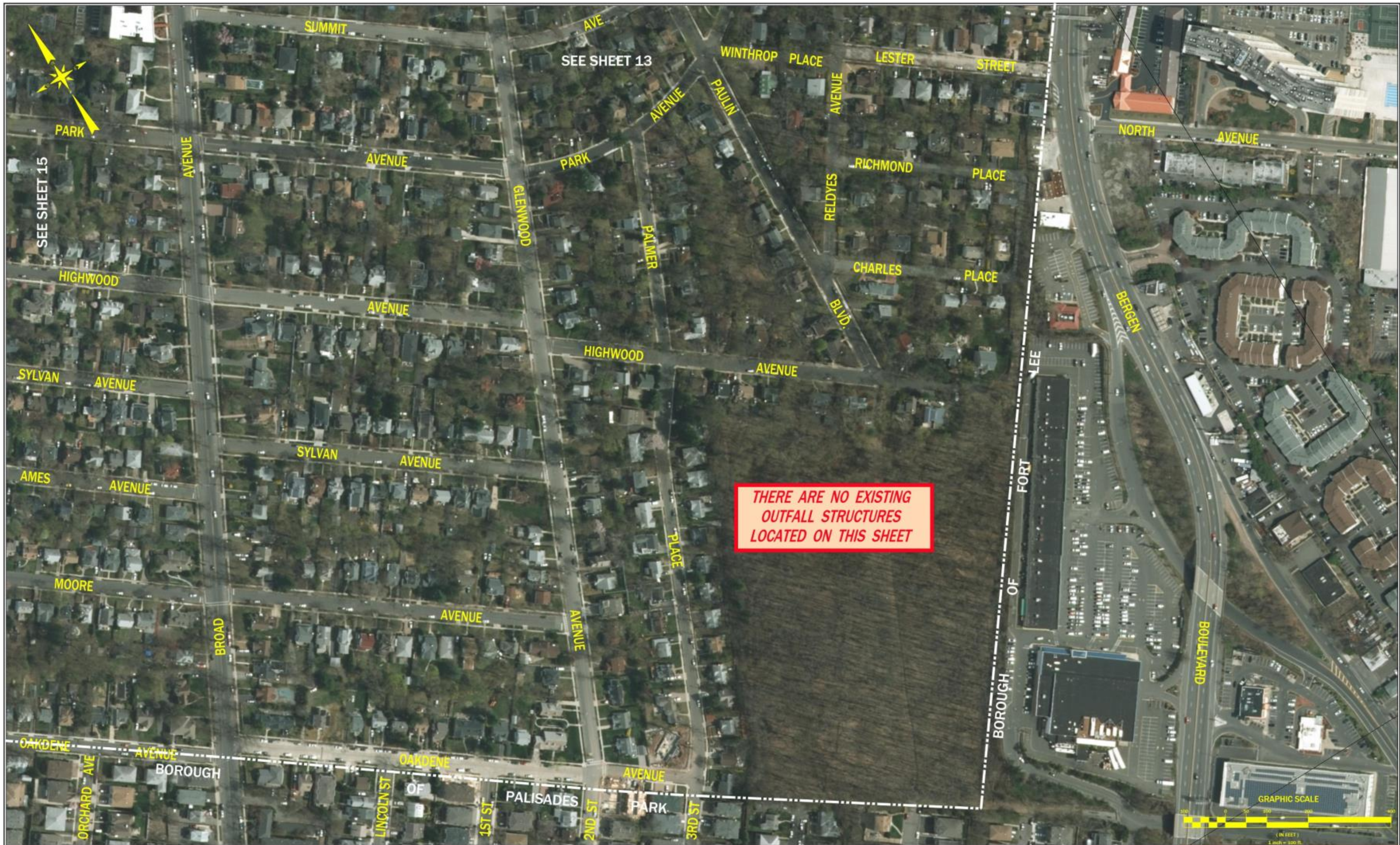
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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 15**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BMPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO.: L18-0293 SCALE: 1" = 100' DRAWN BY: **SWC**

15  
16





THERE ARE NO EXISTING OUTFALL STRUCTURES LOCATED ON THIS SHEET



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<http://www.region2coastal.com/view-flood-maps-data/understanding-vertical-datums/>

REV	BY	CHKD	DESCRIPTION

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639  
 PROFESSIONAL ENGINEER AND PLANNER  
 SIGNED: \_\_\_\_\_ DATE: JUNE 12, 2019

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DRAWING TITLE: **OUTFALL LOCATIONS SHEET 16**  
 PROJECT NAME: MUNICIPAL STORMWATER, MAPPING AND INVENTORY FOR NJDEP/BNPC  
 LOCATION: OVERPECK CREEK  
 BOROUGH OF LEONIA  
 BERGEN COUNTY, NEW JERSEY

PROJ. NO.: L18-0293 SCALE: 1" = 100' DRAWN BY: SWE