



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090

FEB 11 2015

Regulatory Branch

SUBJECT: DEPARTMENT OF THE ARMY PERMIT Number NAN-2012-00090
Originally Issued to New York State Thruway Authority on 25 April 2013 Authorizing Regulated Work to Facilitate Construction of The New NY Bridge in the Hudson River between Tarrytown and Nyack, New York

PERMITTEE:

New York State Thruway Authority
ATTN: Peter Sanderson, Project Director
555 White Plains Rd, 4th Floor
Tarrytown, NY 10591
(518) 436-2810
(914) 789-3200

1. Reference is made to:

- a. Subject Department of the Army (DA) permit issued 25 April 2013;
- b. Subject DA Permit Modification #1 issued 24 June 2013;
- c. Subject DA Permit Modification #2 issued 14 January 2014;
- d. Subject DA Permit Modification #3 issued 3 April 2014;
- e. Subject DA Permit Modification #4 issued 17 October 2014;
- f. Subject DA Permit Modification #5 issued 10 December 2014;
- g. The subject permittee's permit modification request dated 6 January 2015 for the construction of a new outfall DR-666 and the reconstruction of an existing outfall DR-612, to include stone rip-rap protection for the outfalls located at the Westchester Landing.

2. In accordance with the provisions of Section 10 of the River & Harbors Act of 1899 (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344), the New York District of the U.S. Army Corps of Engineers issued the subject Department of the Army permit [Reference 1(a)] on 25 April 2013 to New York State Thruway Authority; issued the first permit modification [Reference 1(b)] on 24 June 2013; issued the second permit modification [Reference 1(c)] on 14 January 2014; issued the third permit modification [Reference 1(d)] on 3 April 2014; issued the fourth permit modification [Reference 1(e)] on 17 October 2014; and issued the fifth permit modification [Reference 1(f)] on 10 December 2014.

Regulatory Branch

SUBJECT: Modification to Department of the Army Permit Number NAN-2012-00090 Issued to the New York State Thruway Authority (New NY Bridge Project)

3. The modified regulated work requested at this time includes the reconstruction of the existing outfall DR-612 (a 36-inch Reinforced Concrete Pipe [RCP]) with a new concrete end section and stone rip-rap outlet protection. The proposed stone fill for DR-612 will impact approximately 229 square feet (SF) of stream bed below the ordinary high water mark (OHWM) of an unnamed non-navigable intermittent stream. Approximately 19.08 cubic yards (CY) of stone (27-inch thickness) will be discharged below the OHWM of the stream.

In addition, the proposed regulated work includes the construction of a new 36-inch RCP outfall, DR-666, with an end section and stone rip-rap outlet protection. The proposed stone fill for DR-666 will impact approximately 207 SF of federally regulated wetlands. Approximately 13.42 CY of stone (21-inch thickness) will be discharged into the wetland. Outfall DR-666 will convey stormwater from a Micro-pool Extended Detention Pond into the existing wetlands.

Total fill material to be discharged into waters of the United States, including wetlands, below the OHWM is approximately 436 SF (0.01 acre) and 32.5 CY. The appropriate soil erosion and sediment control measures will be employed during construction.

The two subject outfalls are owned by the New York State Thruway Authority (NYSTA) and are located within a NYSTA right-of-way south of Fisher Drive (Maintenance Road) in the Town of Tarrytown, Westchester County, New York.

4. Based upon an evaluation of the administrative record supporting the issuance of the subject permit, a review of the permittee's submitted materials in support of their permit modification request [Reference 1(g)], and the incorporation of the aforementioned special condition, the subject permit is hereby modified to include the previously described proposed activities and the Drawing Sheet Numbers H16R-06 Figures 1 to 6, dated July 7, 2014, and titled "The New NY Bridge, Unit 16 – Westchester Landing" are included as part of the previously authorized permit drawings.

5. All other terms, General Conditions, and Special Conditions of the subject issued permit shall remain in effect, including the permit expiration date of 24 MARCH 2019.

6. This modified permit shall be known as Permit Number NAN-2012-00090-M6.

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**SUBJECT: Modification to Department of the Army Permit Number NAN-2012-00090
Issued to the New York State Thruway Authority (New NY Bridge Project)**

7. This modified subject DA permit shall be available at project offices and regulated work sites.

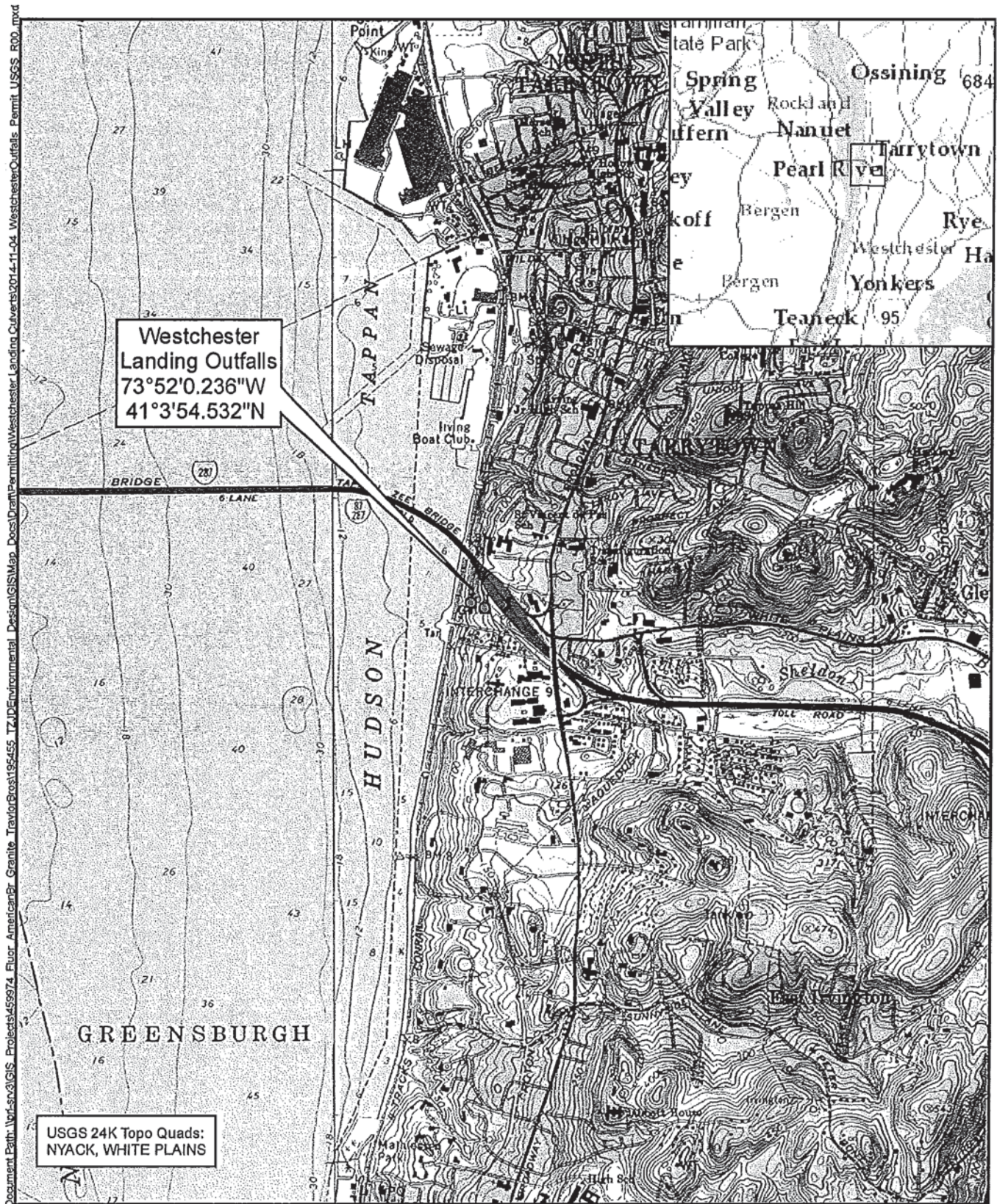


For and in behalf of

**PAUL E. OWEN
Colonel, U.S. Army
Commander**

Enclosures

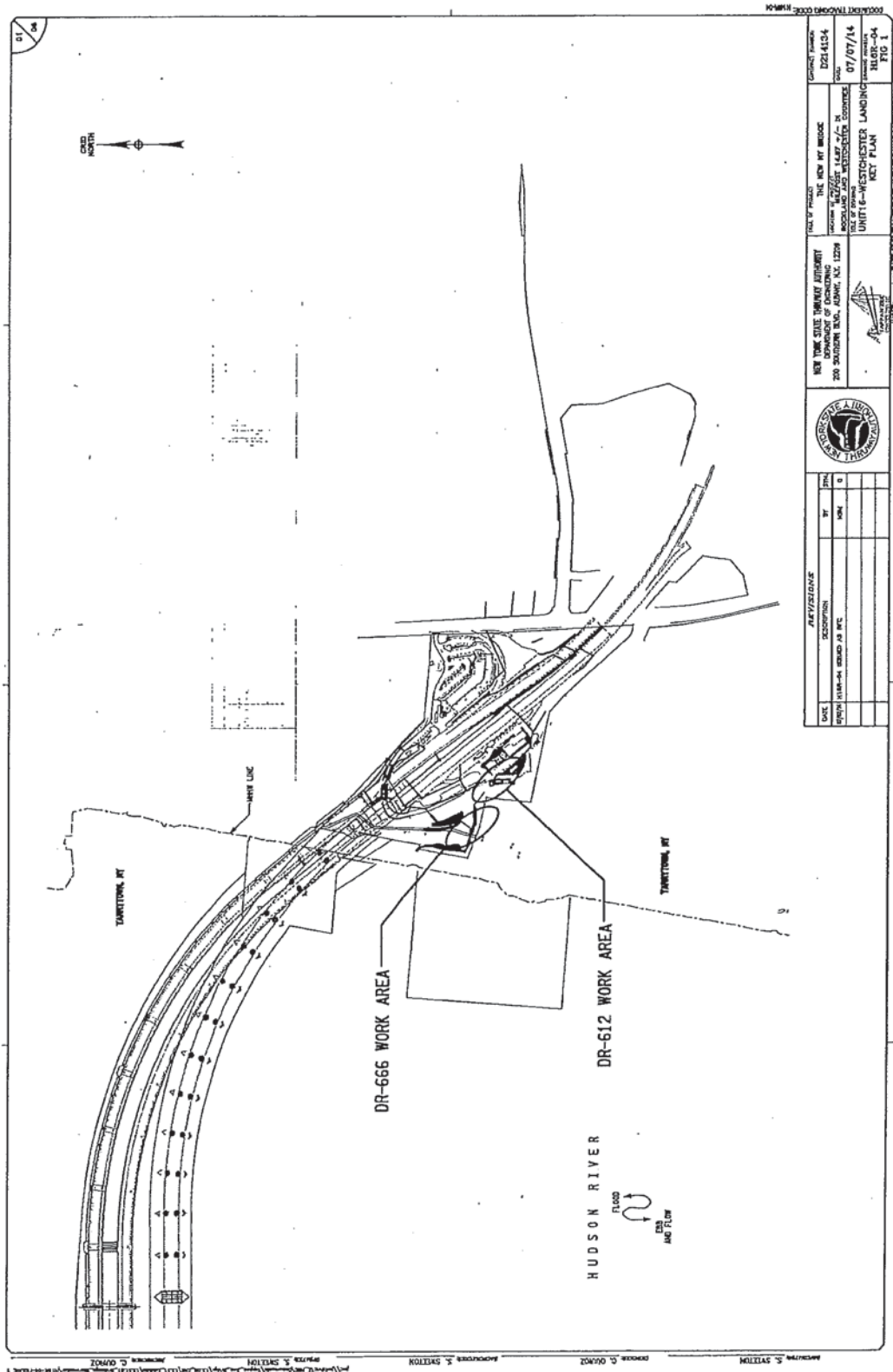
CF: (w/encl)
CENAN-OP-R
NYSDEC Region 3 Permit Administrator
Tappan Zee Constructors, LLC

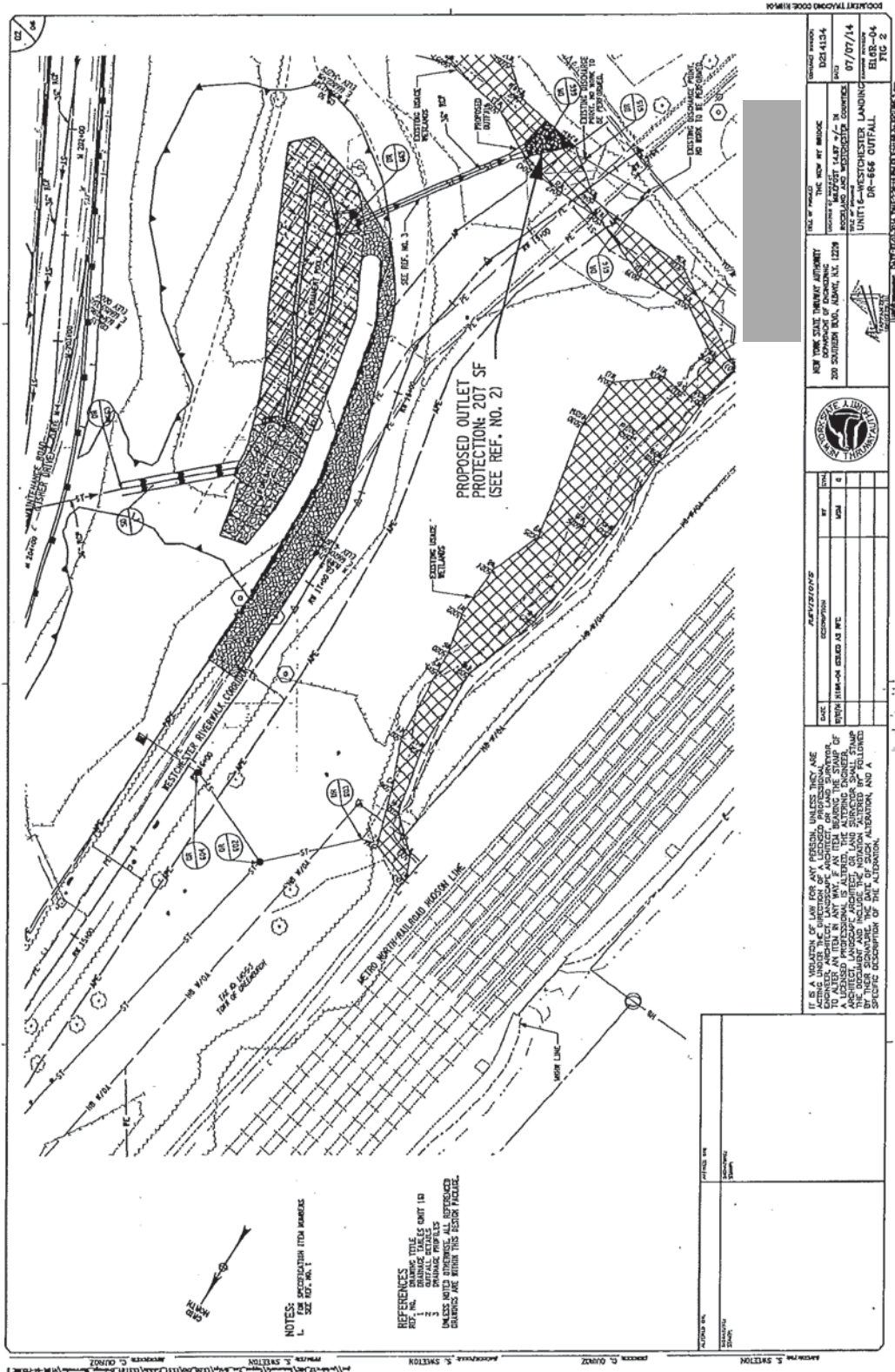


The New NY Bridge
Westchester Landing Outfalls
Project Location Map

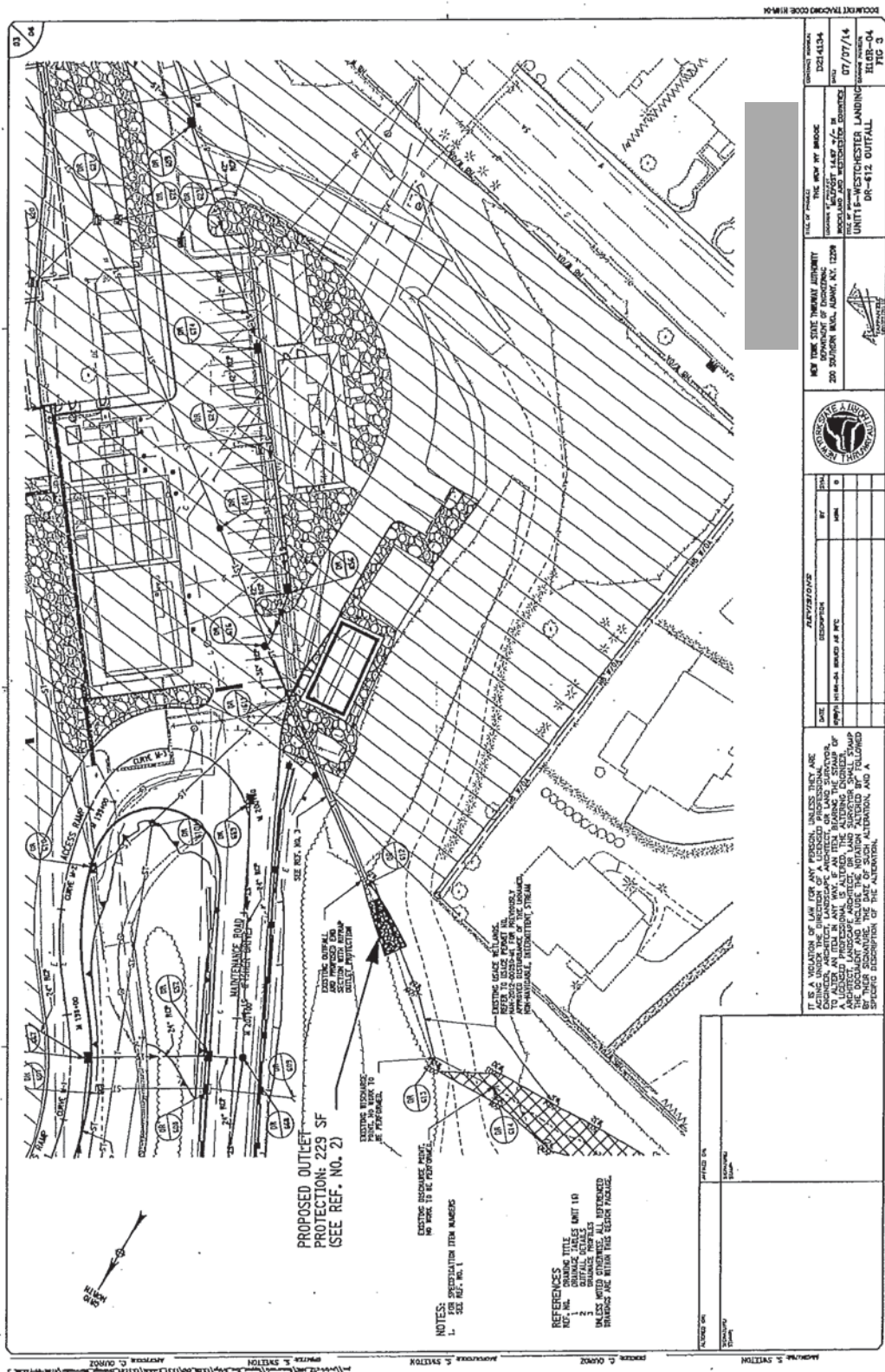
DATE 11/14/2014

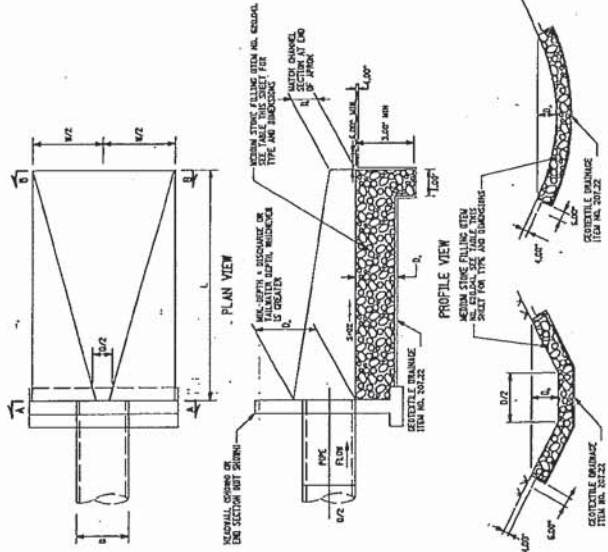
FIGURE 1





<p>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE A LICENSED ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO PREPARE, REPRODUCE, OR TRANSMIT ANY DRAWING, SPECIFICATION, OR REPORT, OR TO PERFORM ANY SERVICE, WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR. ANY PERSON WHO VIOLATES THIS LAW SHALL BE SUBJECT TO A FINE OF UP TO \$10,000 AND/OR IMPRISONMENT FOR UP TO 5 YEARS, OR BOTH.</p>		<p>DATE: 07/07/14</p> <p>BY: [Signature]</p> <p>FOR: [Signature]</p>
<p>NEW YORK STATE THREAT APPROPRIATE</p> <p>200 SOUTH BLDG. ADAMS, N.Y. 12209</p>	<p>UNITED STATES OF AMERICA</p> <p>DR-665 OUTFALL</p>	<p>DATE: 07/07/14</p> <p>BY: [Signature]</p> <p>FOR: [Signature]</p>
<p>DATE: 07/07/14</p> <p>BY: [Signature]</p> <p>FOR: [Signature]</p>	<p>DATE: 07/07/14</p> <p>BY: [Signature]</p> <p>FOR: [Signature]</p>	<p>DATE: 07/07/14</p> <p>BY: [Signature]</p> <p>FOR: [Signature]</p>





ROCK OUTLET PROTECTION TABLE							
FOLLOWS DRAINAGE STRUCTURE NO.	LENGTH 1' (FT)	WIDTH 1" (FT)	HEIGHT 1" (FT)	WIDTH 1" (FT)	LINING MATERIAL	LINING HEIGHT 1' UN	SIDE SLOPES 1:1
18-2417	56	23	3	3	GRAVEL STONE FILLING	5	2:1
18-2418	56	23	3	3	GRAVEL STONE FILLING	5	2:1

1. IF THE PIPE DISCHARGES DIRECTLY INTO A WELL-DEFINED CHANNEL, THE APPROX. SHALL EXTEND ACROSS THE CHANNEL BOTTOM AND UP THE CHANNEL BANKS TO AN ELEVATION ONE FOOT ABOVE THE MAXIMUM TAILWATER DEPTH ON THE TOP OF THE BANK. REINFORCER IS LESS.
2. THE UPSTREAM END OF THE APPROX. ADJACENT TO THE PIPE SHALL HAVE A WIDTH TWO TIMES THE DIAMETER OF THE OUTLET PIPE, OR CONFORM TO THE PIPE END SECTION IF LOCATED.

SECTION 8-8
ROCK OUTLET PROTECTION DETAIL

SECTION A-A

NOTES:

1. FEATURE IS PERMANENT AND SHALL REMAIN AFTER COMPLETION OF CONSTRUCTION.
2. REFER TO NYSDOT NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, EDITION 1915.

IT IS A VIOLATION OF LAW FOR ANY PERSON, WHOSE NAME THEY ARE LISTED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SOURCE/TYPE		
DATE	LOCATION	TIME
0	INDIA	INDIA
10/5	INDIA	INDIA

[illegible]

UPPER END
LOWER END

HIDR-06
FIG. 4



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:

1. IF THE PIPE DISCHARGES DIRECTLY INTO A WELL DEFINED CHANNEL, THE APRON SHALL EXTEND ACROSS THE CHANNEL BOTTOM AND UP THE CHANNEL BANKS TO AN ELEVATION ONE FOOT ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
2. THE UPSTREAM END OF THE APRON, ADJACENT TO THE PIPE SHALL HAVE A WIDTH TWO (2) TIMES THE DIAMETER OF THE OUTLET PIPE, OR CONFORM TO THE PIPE END SECTION IF USED.



TAPPAN ZEE

TITLE OF PROJECT	THE NEW NY BRIDGE
LOCATION OF PROJECT	1.467 +/- IN ROCKLAND AND WESTCHESTER COUNTIES
TITLE OF DRAWING	UNIT 16-WESTCHESTER LANDING DR-666 PROFILE

CONTRACT NUMBER	D214134
DATE	07/07/14
DRAWING NUMBER	H16R-04



REF. NO.	DRAWING TITLE
1	DRAINAGE TABLES UNIT 1B
2	GRADING PLAN SHEETS UNIT 1B
3	OUTFALL DETAILS

UNLESS NOTED OTHERWISE, ALL REFERENCED ARE WITHIN THIS DESIGN PACKAGE.

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REVISIONS	
DATE	DESCRIPTION
6/27/74	M168-04 ISSUED AS RFC



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD. ALBANY, N.Y. 12242

MILLPOST 14.67 +/- IN
 ROCKLAND AND WESTCHESTER COUNTIES
 TITLE OF DRAWING
 UNIT 16--WESTCHESTER LANDING
 DR-612 PROFILE

CONTRACT NUMBER

D214134

07/07/14

DRAWING NUMBER:

H16R-04
FIG 6