

# BATTERY PARK CITY PILE REMEDIATION

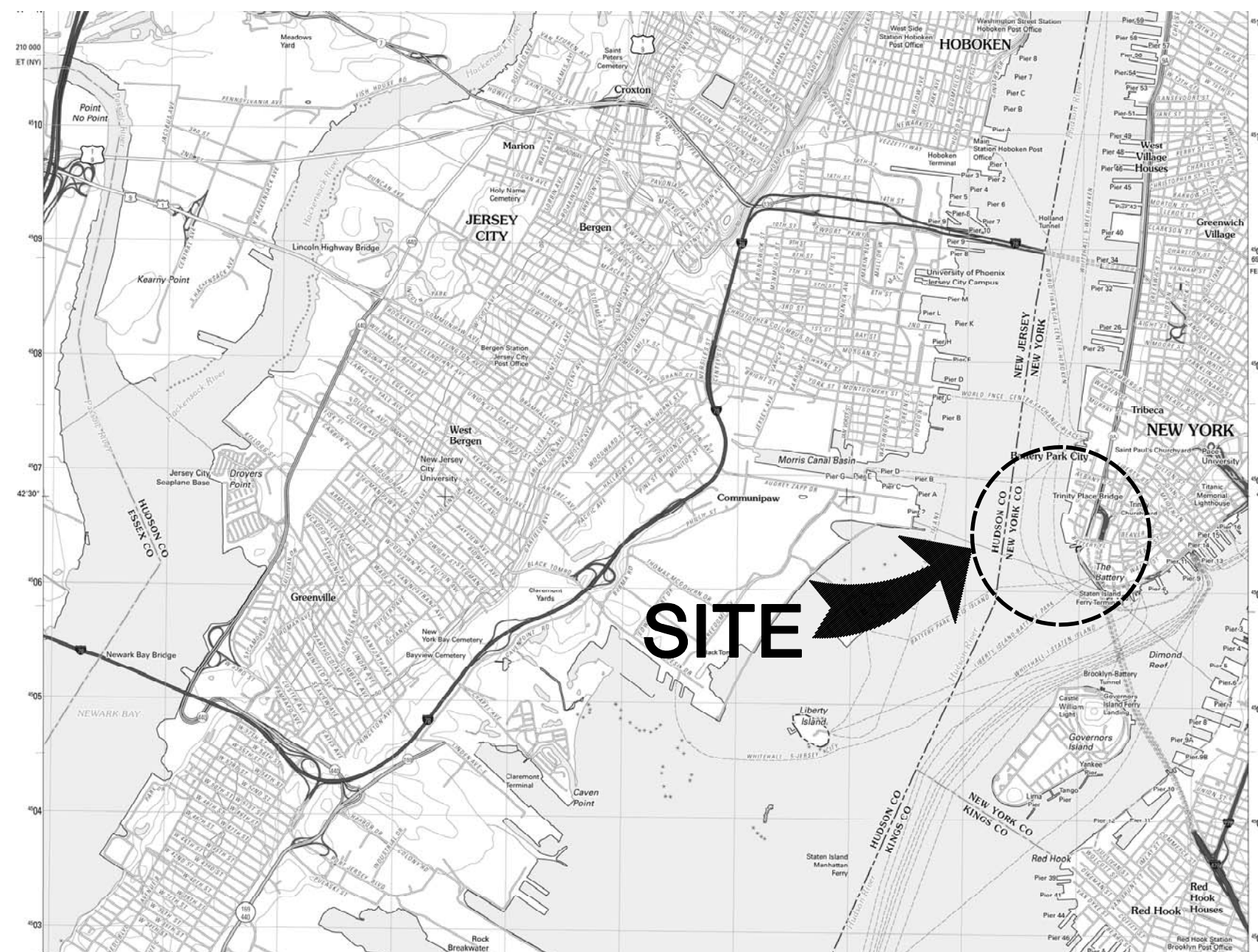
LOCATION 2

BATTERY PARK CITY ESPLANADE

MANHATTAN, NEW YORK

MARCH, 2014

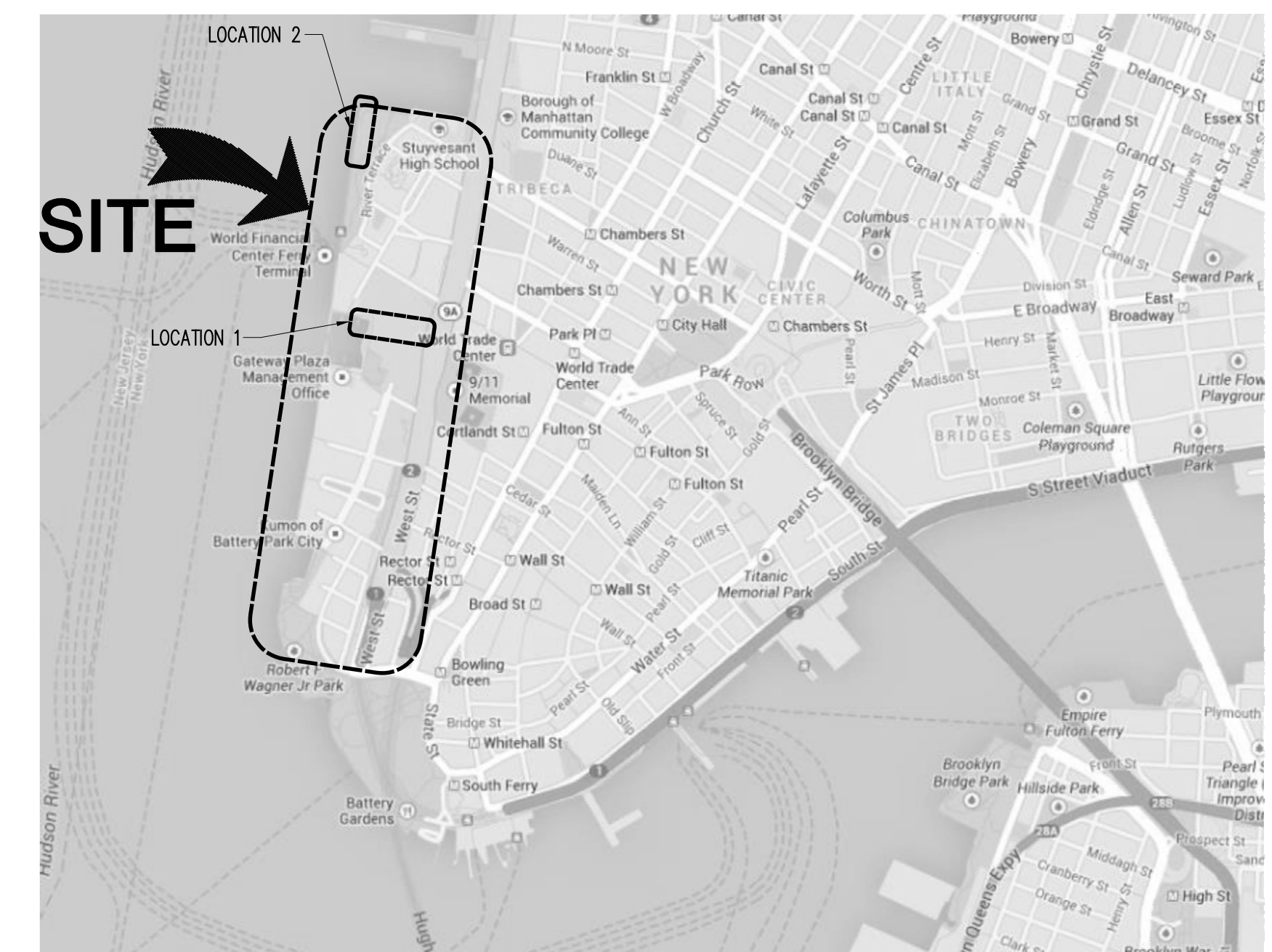
**PREPARED BY:**



**LOCATION PLAN**  
NO SCALE

**DRAWING LIST:**

<u>DRAWING NO.</u>	<u>SHEET TITLE</u>
S-1.0	COVER SHEET
S-2.0	GENERAL NOTES
S-3.0	OVERALL SITE PLAN
S-3.1	FACILITY PLAN
S-3.2	REPAIR PLAN LOCATION 2
S-4.0	ESPLANADE TYPICAL SECTIONS
S-5.0	PIER TYPICAL DETAILS



### VICINITY MAP

BID SET  
NOT FOR CONSTRUCTION

## **PILE IDENTIFICATION/NOMENCLATURE**

INDIVIDUAL PILES SHALL BE REFERENCED AS FOLLOWS:

2 - 31 - C - BAT ——— INDICATES BATTER PILE (IF REQUIRED)

INDICATES PILE POSITION IN PILE BENT, "A" IS ALWAYS THE FIRST OFFSHORE PILE IN THE PILE BENT. WHEN 2 PILES OCCUPY THE SAME POSITION IN A PILE BENT THEY SHALL BE REFERENCED BY THEIR POSITION RELATIVE TO THE PILE BENT ROW I.E. "C-EAST", OR "C-WEST".

INDICATES PILE BENT NUMBER, PILE BENT NUMBERING STARTS AT "1" FOR EACH RESPECTIVE PLAN AREA. PILE BENTS ARE TYPICALLY NUMBERED IN ASCENDING ORDER FROM SOUTH TO NORTH.

INDICATES THE RESPECTIVE WORK ZONE LOCATION. THERE ARE 2 PLAN LOCATIONS LABELED SOUTH TO NORTH AS INDICATED IN THE "KEY PLAN" AND AS FOLLOWS:

PLAN LOCATION 1 - NORTH COVE REGION. ABOVE NORTH PATH TUBES & BENEATH THE WINTER GARDEN.

PLAN LOCATION 2 - THE NORTHERN 720± OF THE NORTH ESPLANADE.

ELEVATIONS SHOWN HEREON REFER TO THE NAVD 88 VERTICAL DATUM WHICH IS 1.1 FT ABOVE NGVD 1929 (UNITED STATES COASTAL AND GEODETIC SURVEY, MEAN SEA LEVEL, SANDY HOOK NEW JERSEY).

THE CONTRACTOR SHALL SUPPLY ALL SUBMITTALS AS STATED IN THE PROJECT SPECIFICATIONS INCLUDING BUT NOT LIMITED TO:

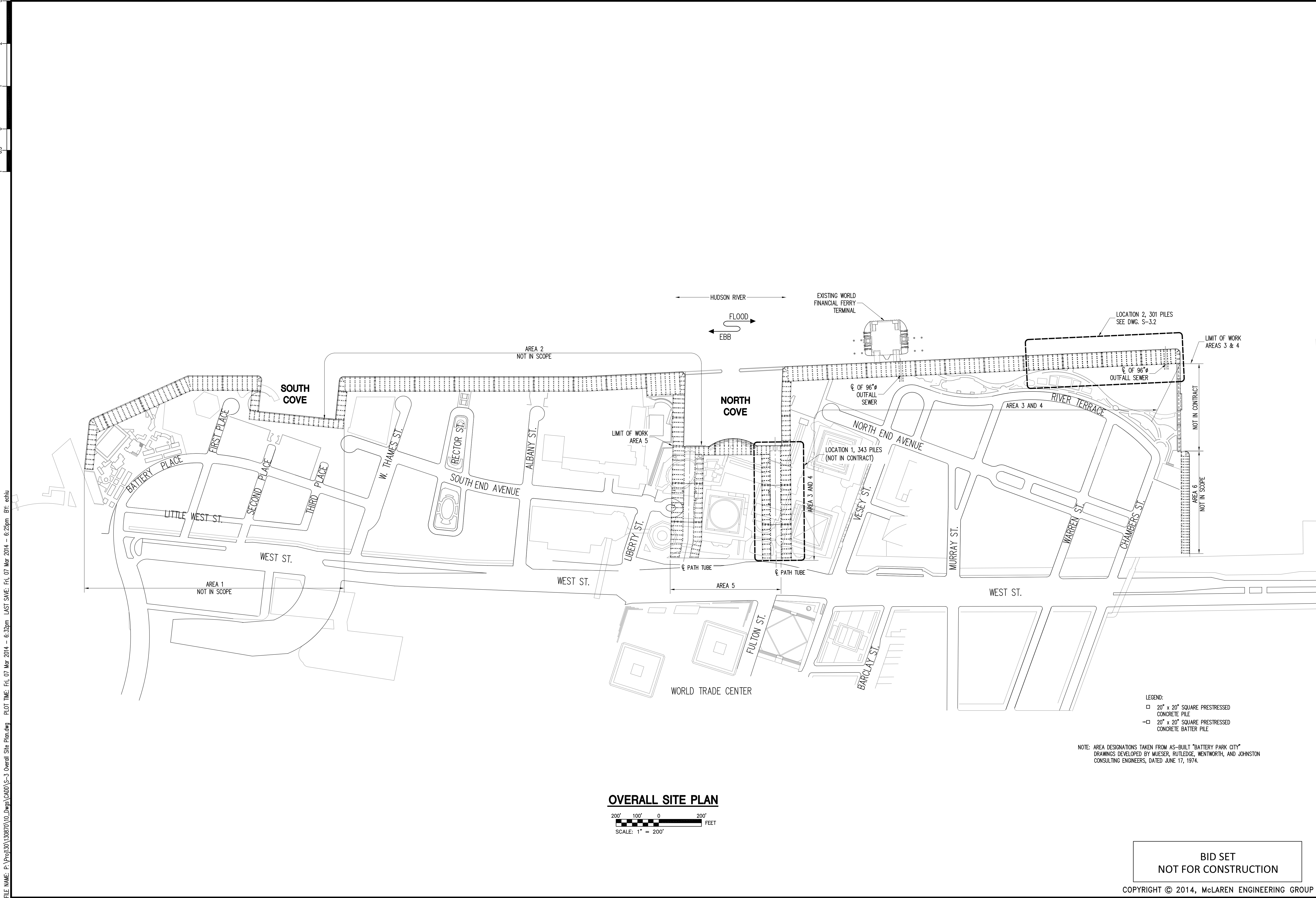
- | <b>MBD (FT)</b> | <b>TIDAL DATA FOR THE BATTERY</b>                 | <b>NAVD 88 (FT)</b> |
|-----------------|---|---------------------|
| +5.60           | HIGHEST OBSERVED WATER LEVEL (10/30/2012)         | +11.27              |
| +0.49           | MEAN HIGHER HIGH WATER (MHHW)                     | +2.14               |
| +0.15           | MEAN HIGH WATER (MHW)                             | +1.8                |
| 0.00            | BOROUGH PRESIDENT OF MANHATTAN (MBD)              | +1.65               |
| -2.13           | MEAN TIDE LEVEL (MTL)                             | -0.48               |
| -2.75           | NATIONAL GEODETIC VERTICAL DATUM - 1929 (NGVD 29) | -1.1                |
| -4.41           | MEAN LOW WATER (MLW)                              | -2.76               |
| -4.63           | MEAN LOWER LOW WATER (MLLW)                       | -2.98               |
| -8.70           | LOWEST OBSERVED WATER LEVEL (02/02/1976)          | -7.05               |

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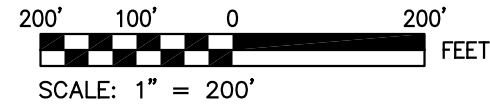


FILE NAME: P:\Proj\130\130870\10\_Dwg\CAD\10-S-3 Overall Site Plan.dwg PLOT TIME: Fri, 07 Mar 2014 - 6:39pm LAST SAVE: Fri, 07 Mar 2014 - 6:25pm BY: entlu

1 0.5 1 2 3



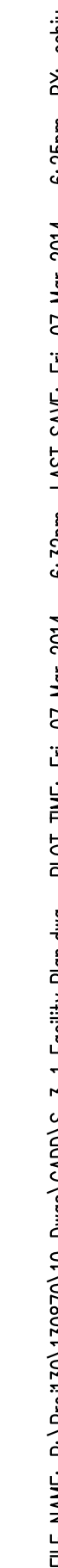
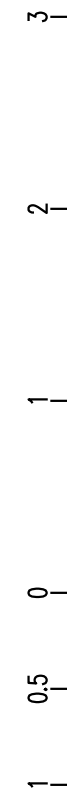
OVERALL SITE PLAN



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PROJECT NO. 130870			
SCALE AS NOTED			
DATE 03/07/2014			
DRAWN BY EHC			
CHECKED BY RJM			
DRAWING NO. S-3.0			
3 OF 7 SHTS			
PROJECT TITLE OVERALL SITE PLAN			
PROJECT BATTERY PARK CITY ESPLANADE REPAIRS NEW YORK MANHATTAN			
McLaren ENGINEERING GROUP applied ingenuity M. G. McLAREN, P.C. 100 Shake Hill Road, West Nyack, NY 10994 T: (947) 353-5400 F: (947) 353-5509 www.mgmclaren.com			
NO.	DATE	PERSON	BY



NOTE: AREA DESIGNATIONS TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS DEVELOPED BY MUESER, RUTLEDGE, WENTWORTH, AND JOHNSTON CONSULTING ENGINEERS, DATED JUNE 17, 1974.

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**McLaren**  
ENGINEERING GROUP  
applied ingenuity

  
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100 Snake Hill Road, West Nyack, NY 10994  
T. (845) 353-4400 F. (845) 353-4509 [www.mgclaren.com](http://www.mgclaren.com)

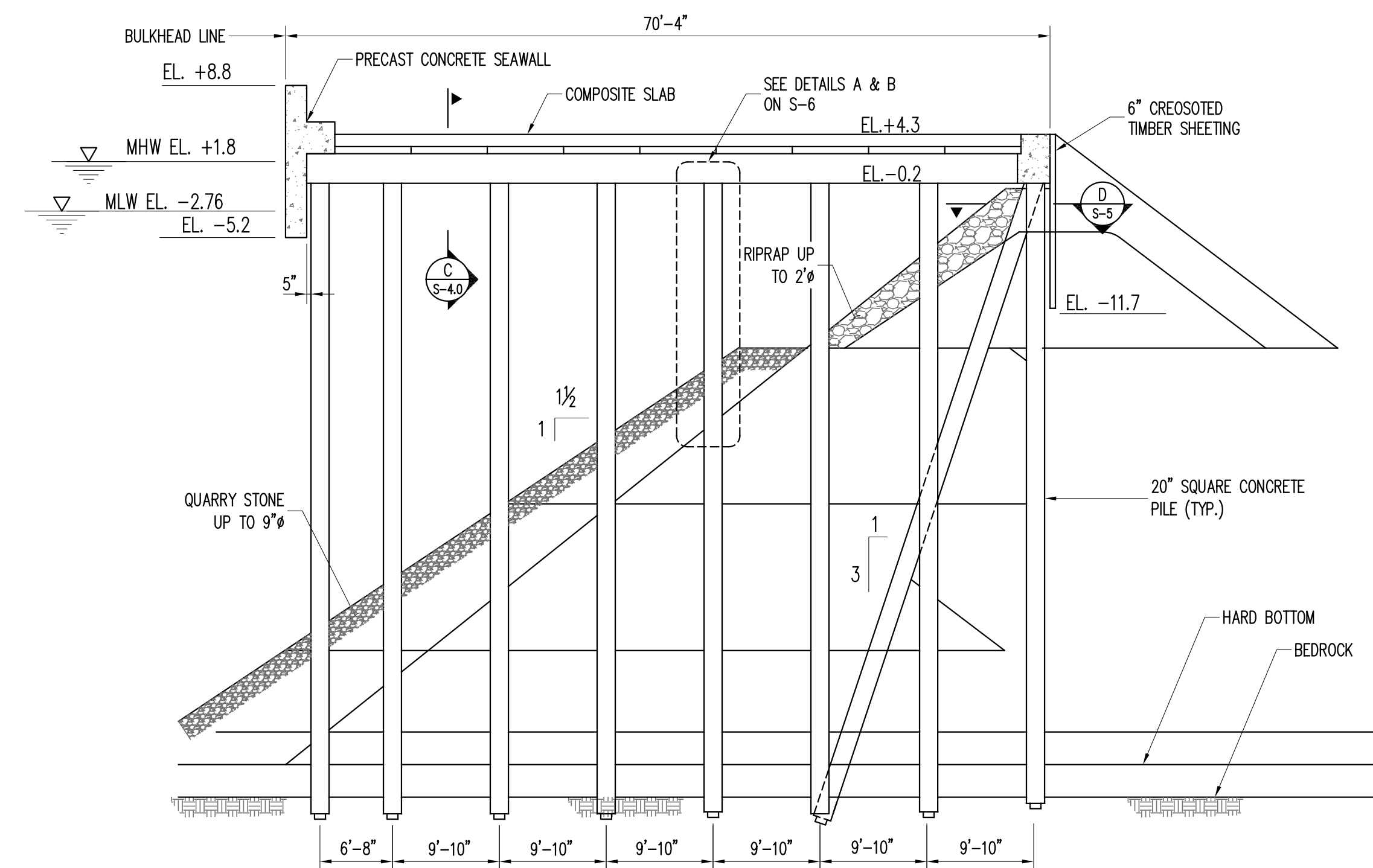
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SCALE	AS NOTED
DATE	03/07/2014
DRAWN BY	EHC
CHECKED BY	RJM

DRAWING NO.

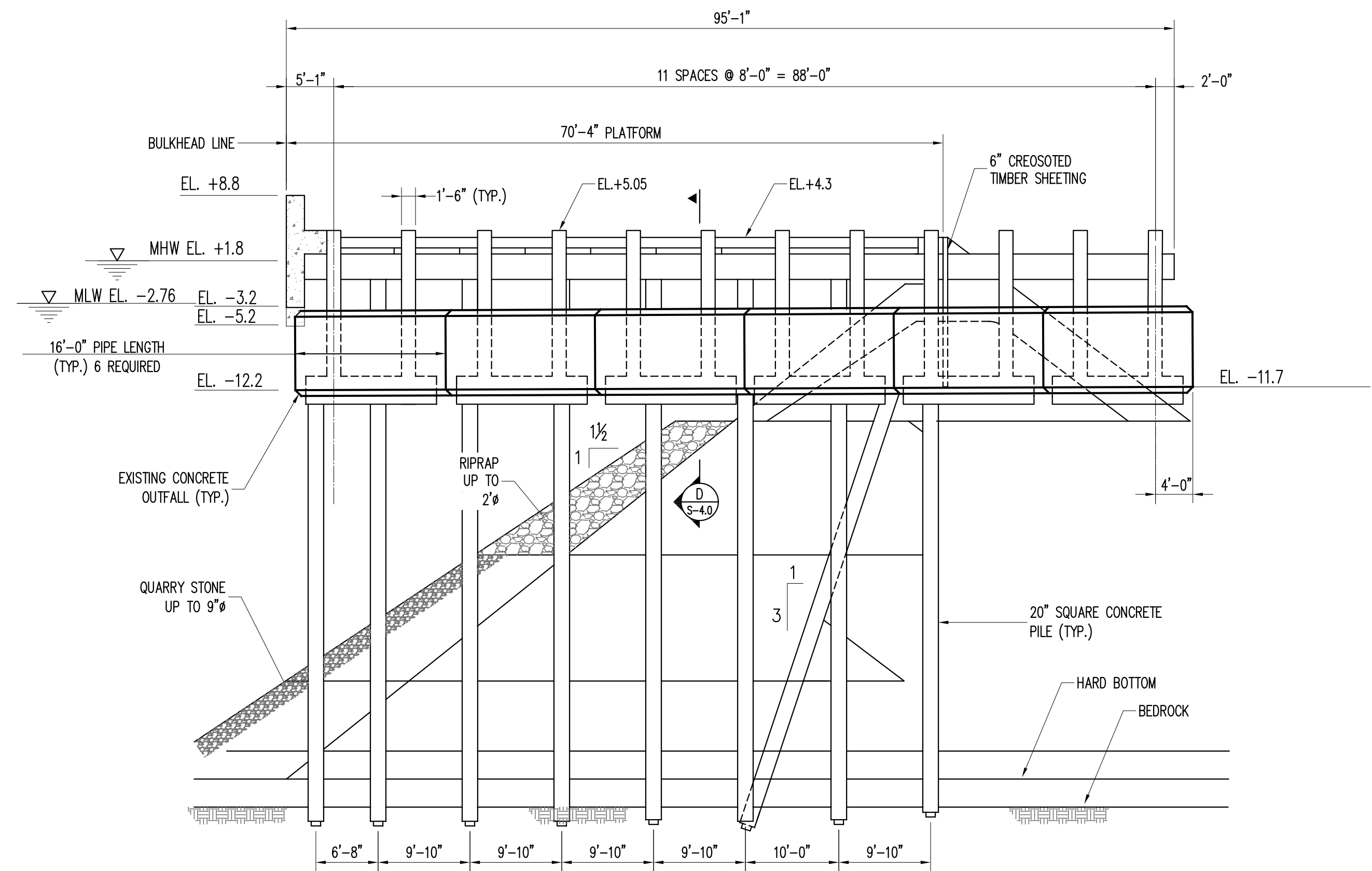
**S-3.1**

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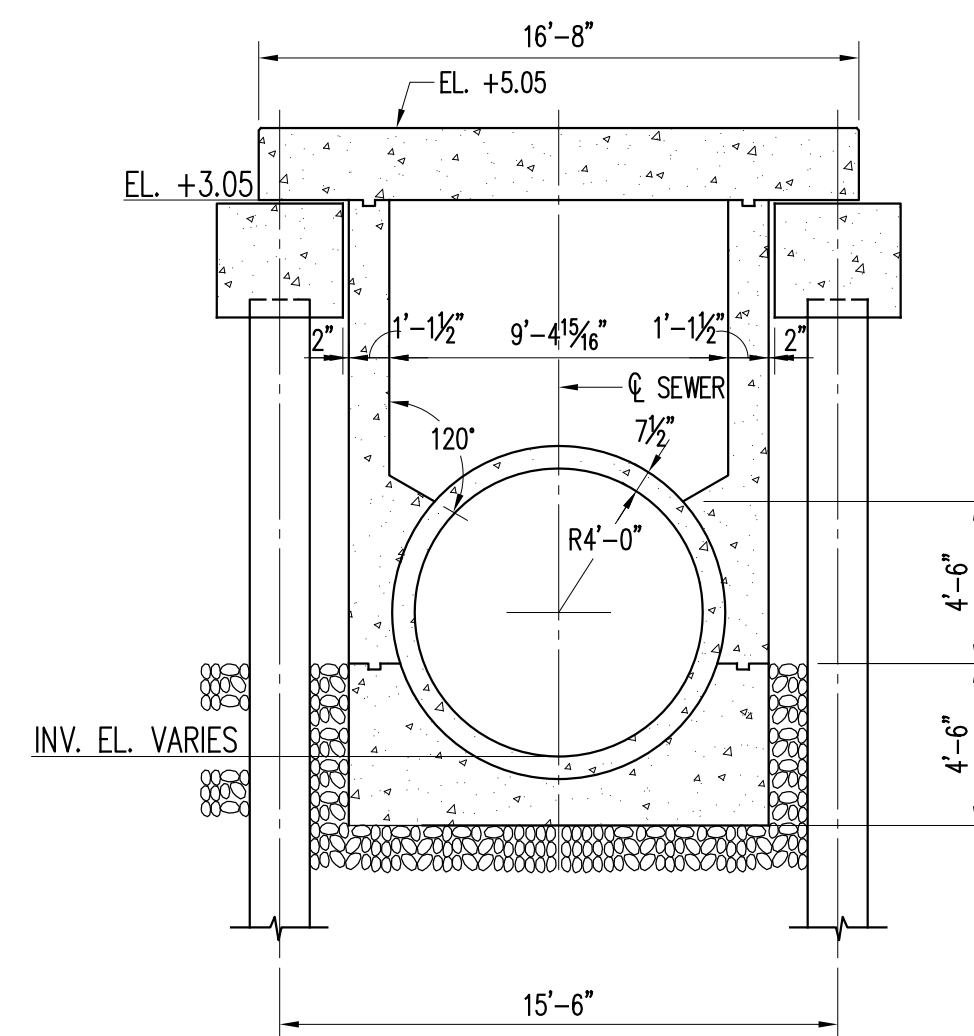
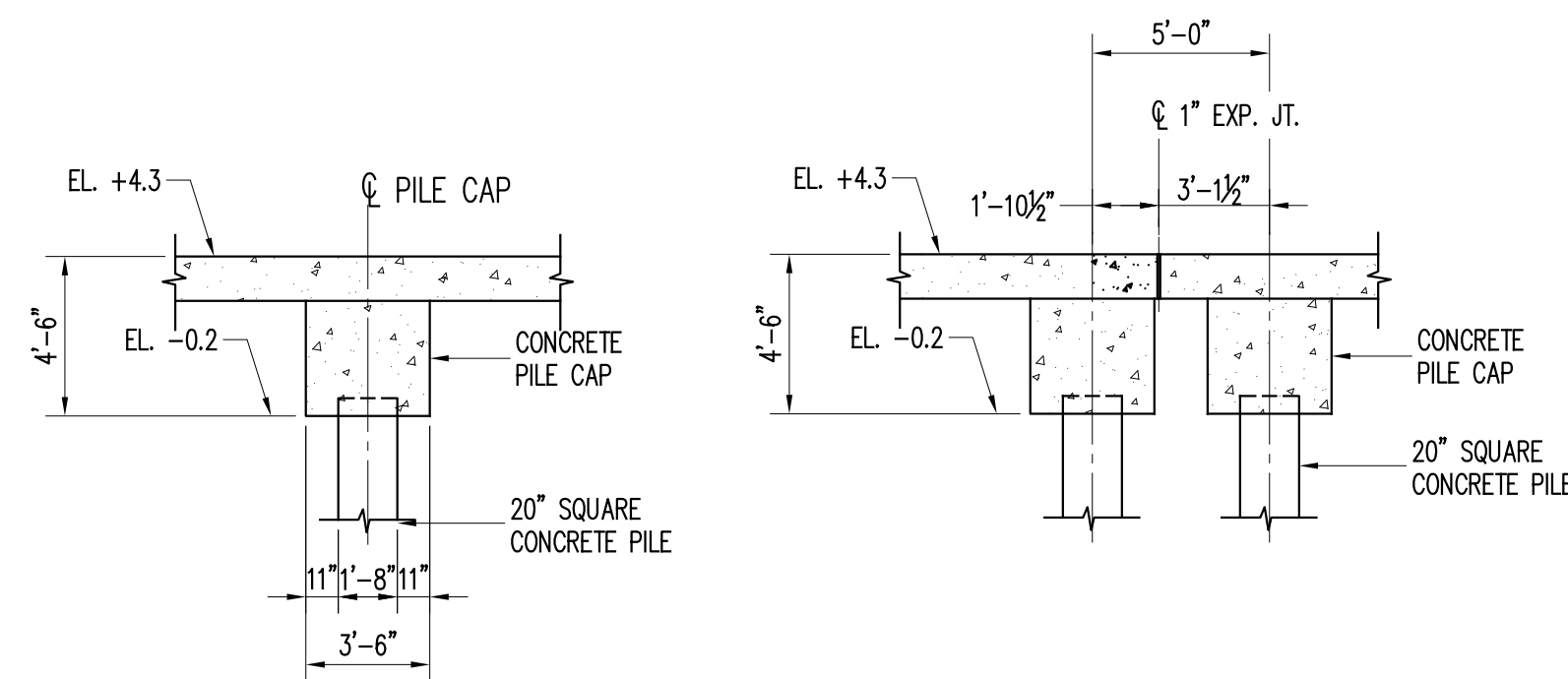




NOTE:  
SUBSURFACE PROFILE TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS  
DEVELOPED BY MUESER, RUTLEDGE, WENTWORTH, AND JOHNSTON CONSULTING  
ENGINEERS, DATED JUNE 17, 1974.



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SUBSURFACE PROFILE TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS  
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PROJECT

BATTERY PARK CITY  
ESPLANADE REPAIRS

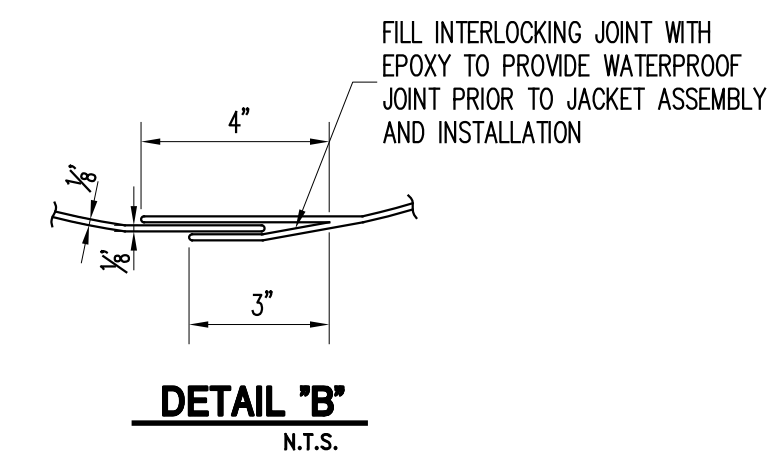
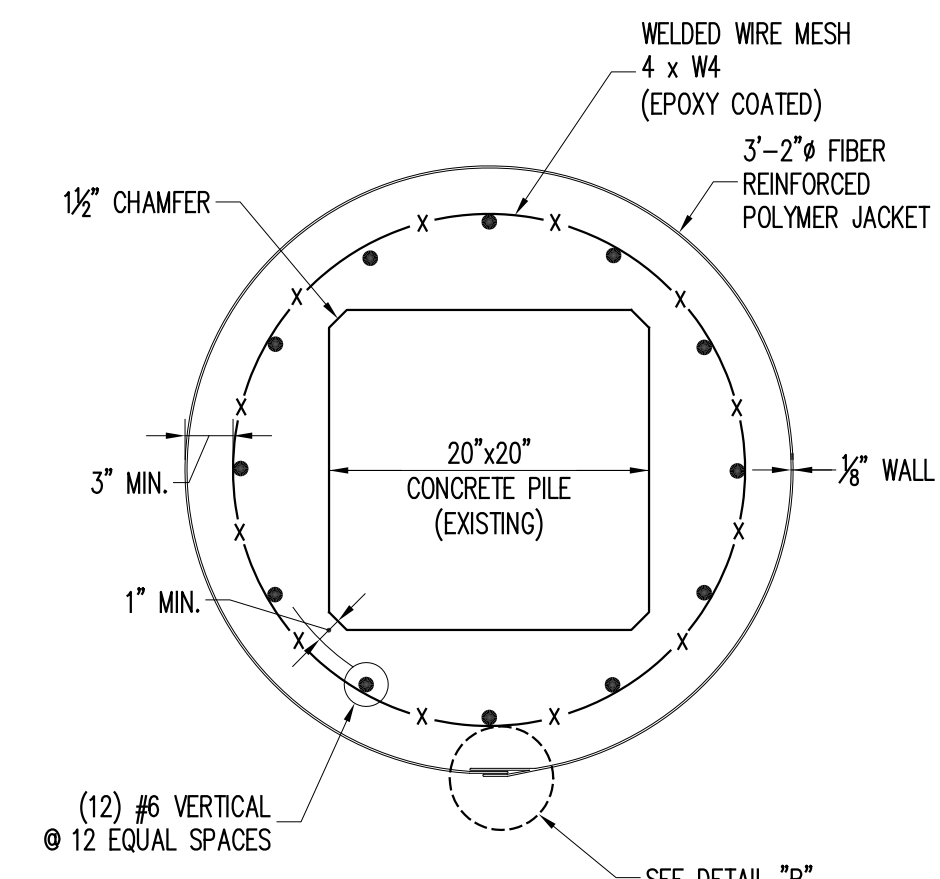
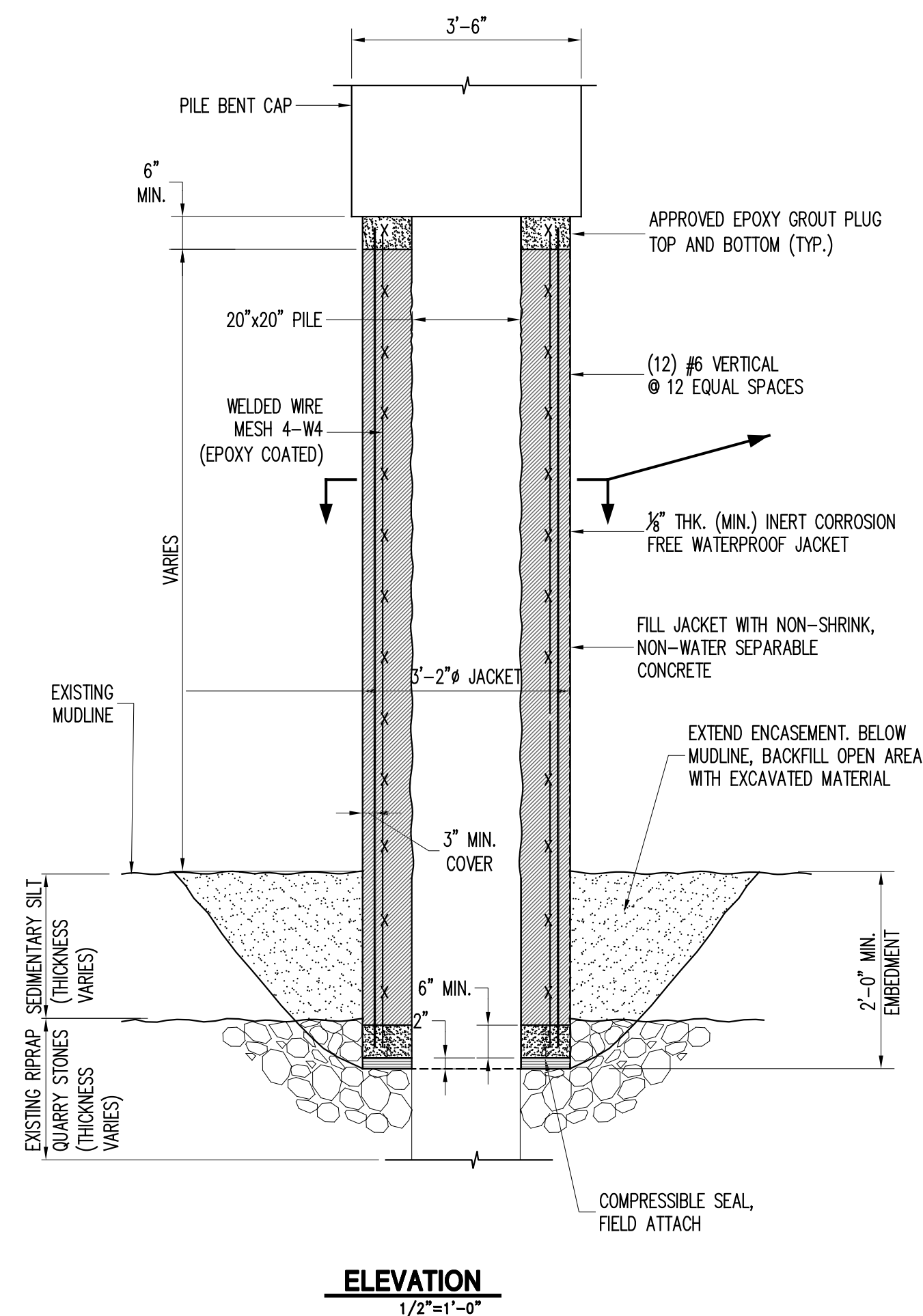
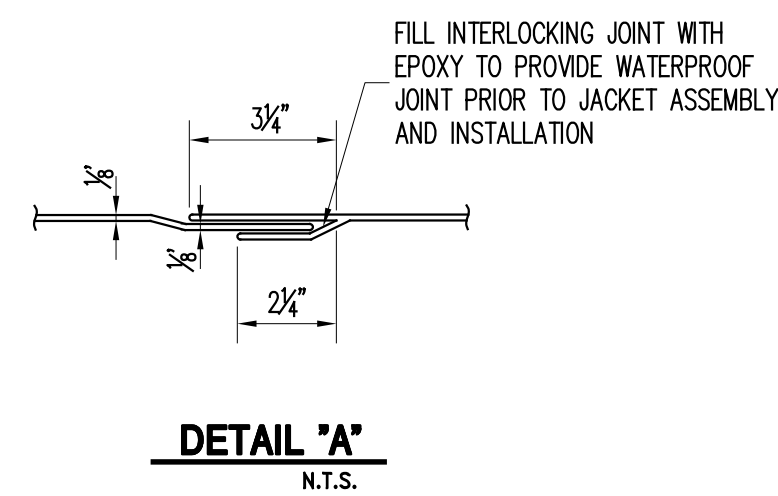
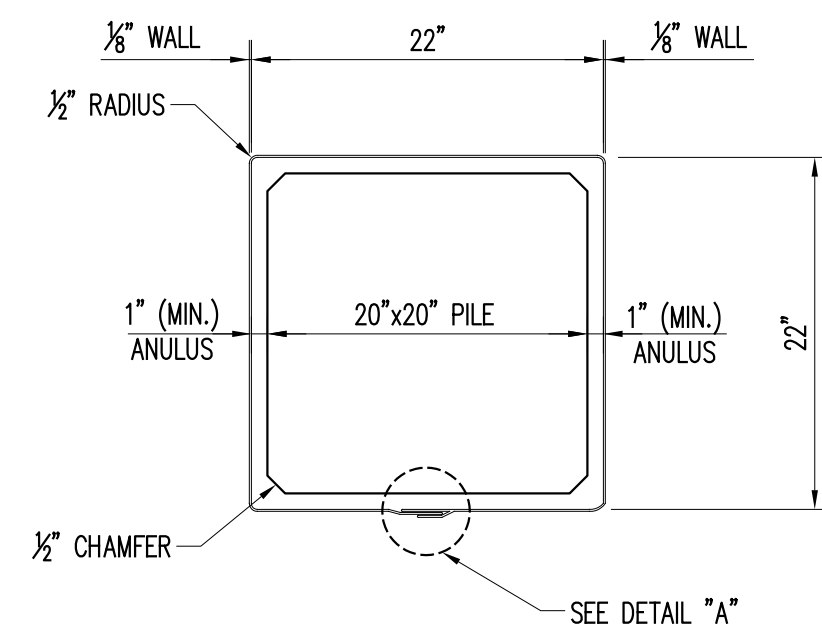
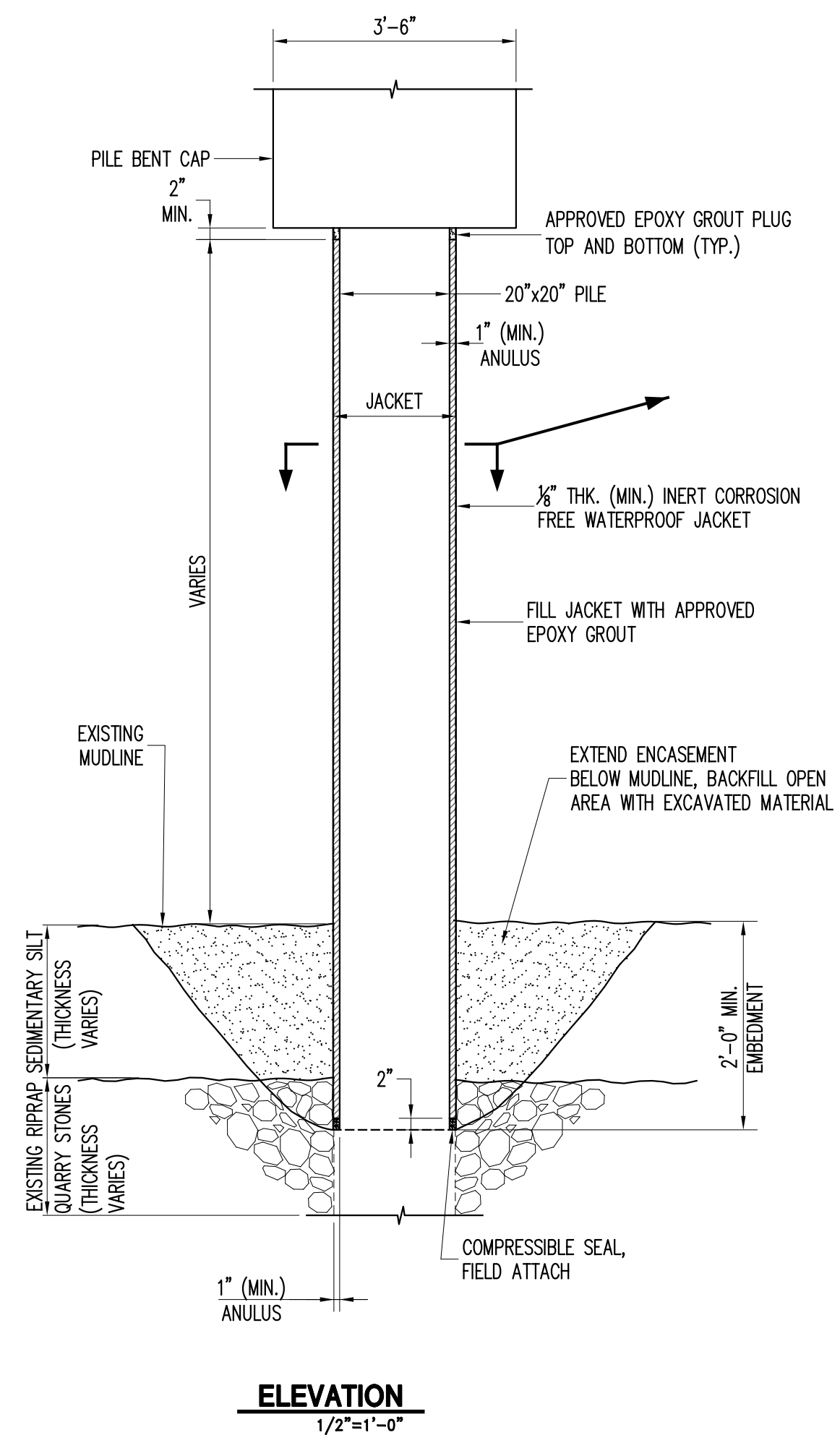
MANHATTAN NEW YORK

ESPLANADE  
TYPICAL SECTIONS

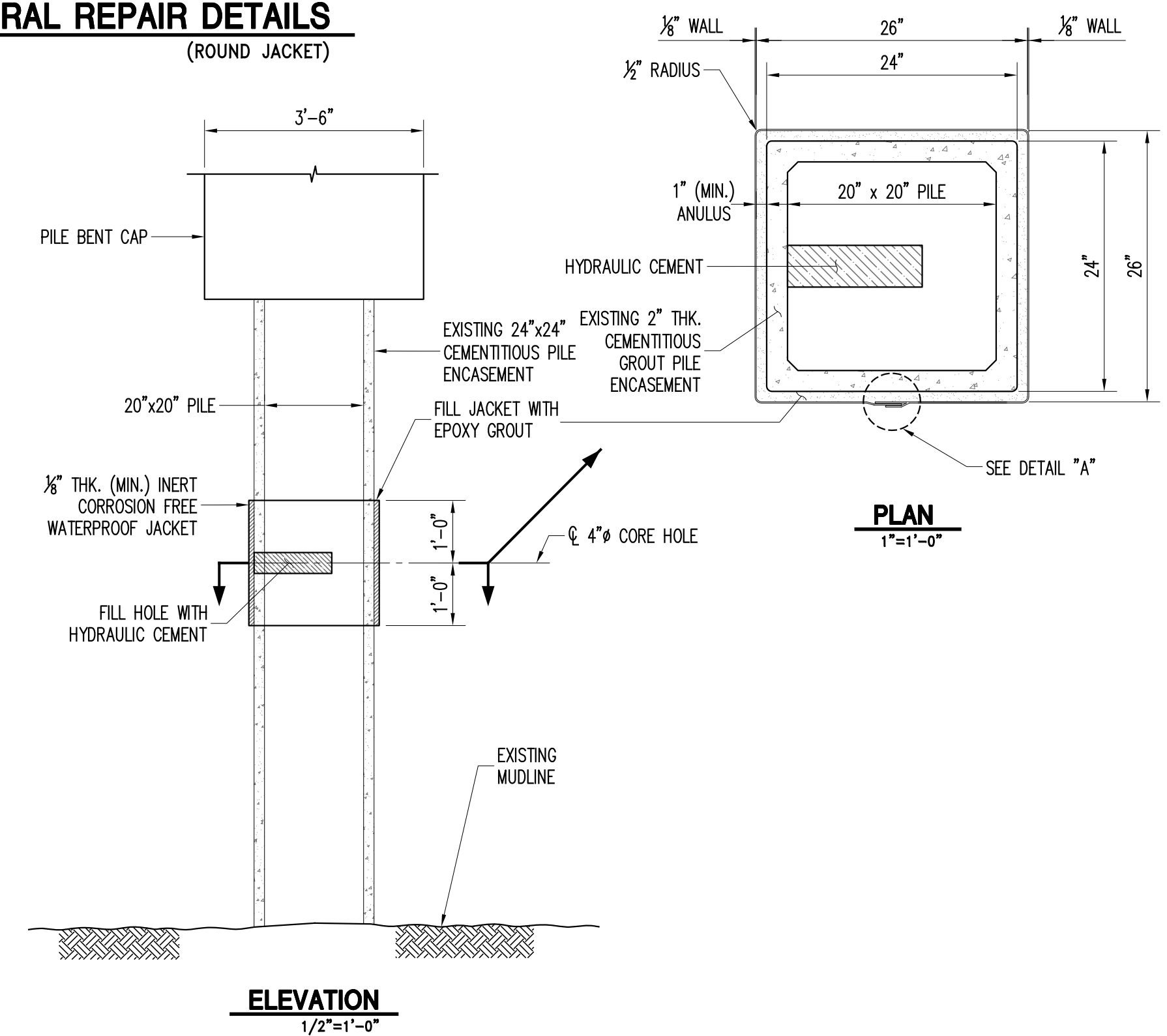
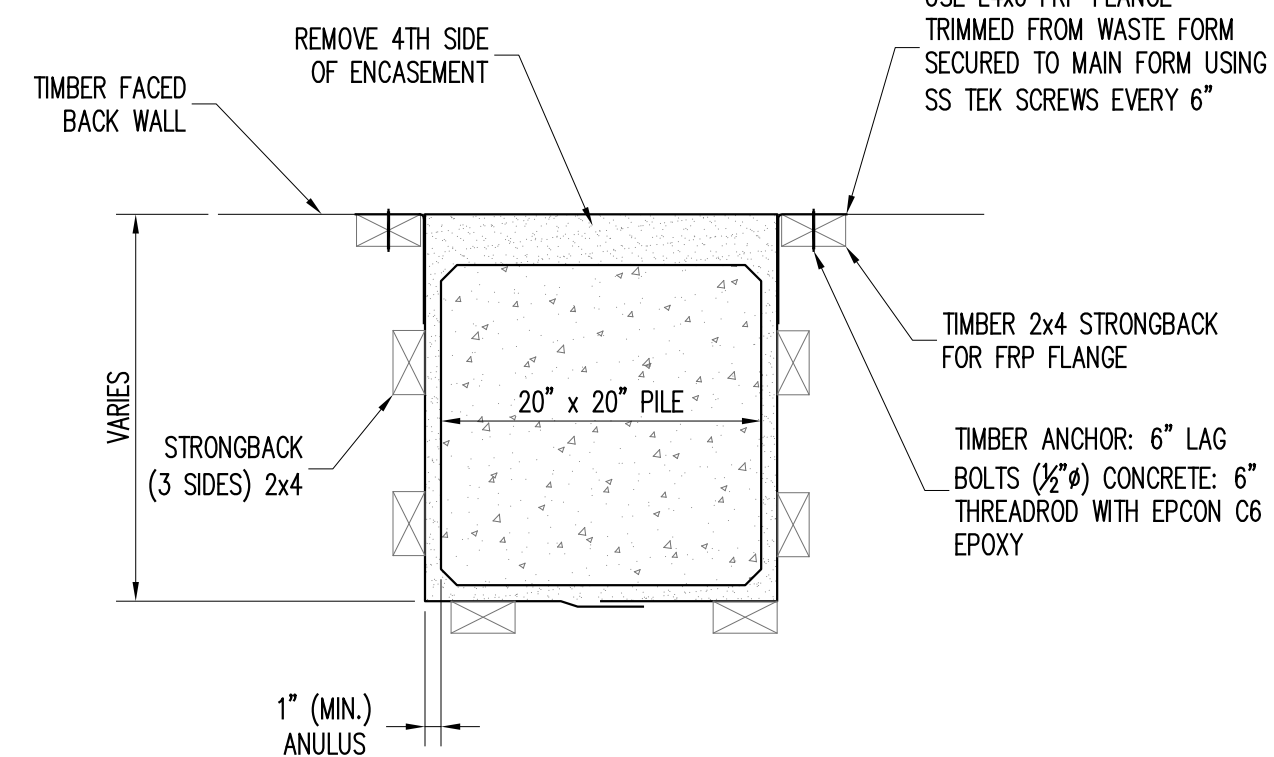
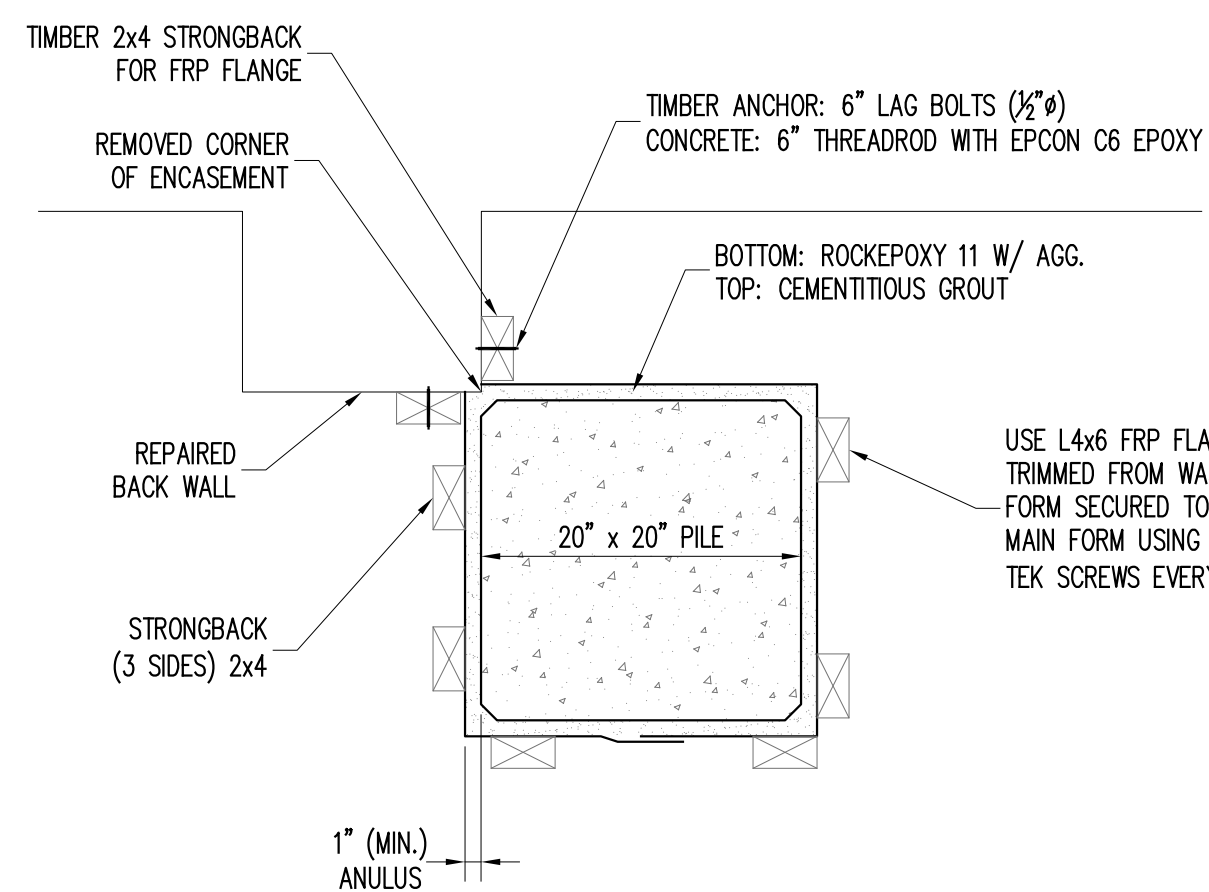
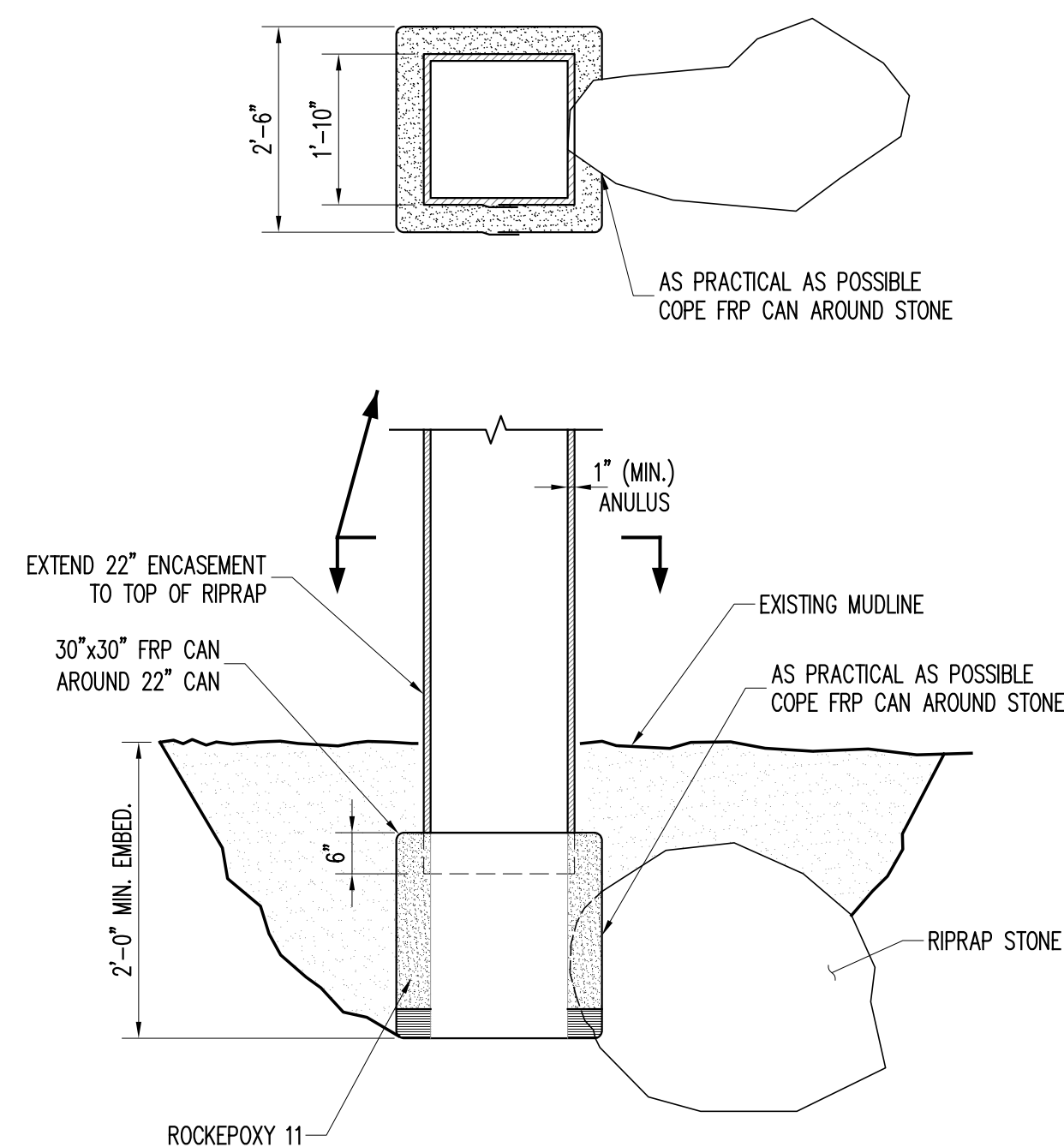
PROJECT NO.	130870
SCALE	AS NOTED
DATE	03/07/2014
DRAWN BY	EHC
CHECKED BY	RJM

6 OF 7 SHTS





## **A** S-5.0 **EXPOXY GROUT PILE PROTECTION DETAILS** (SQUARE JACKET)



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