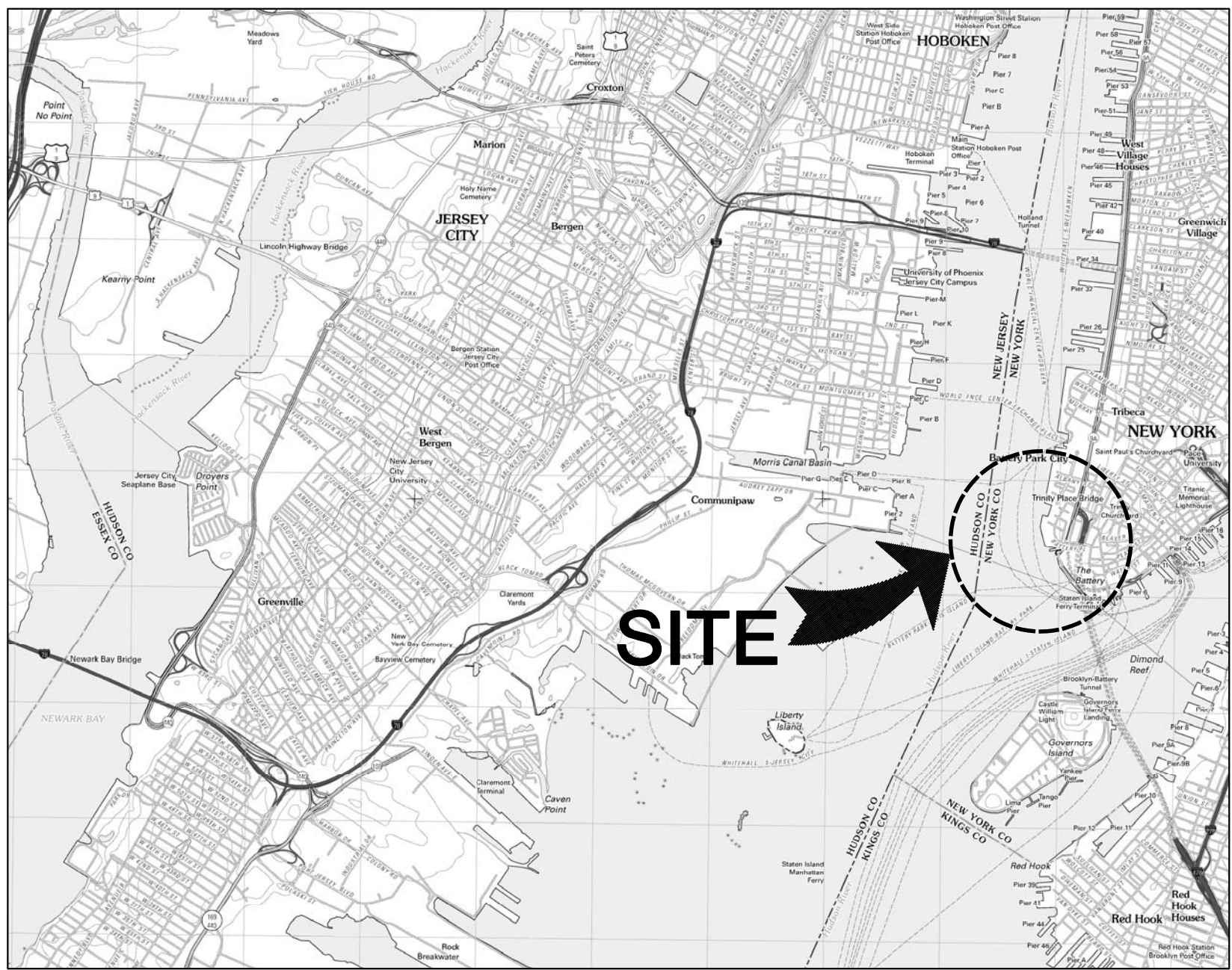


# BATTERY PARK CITY AUTHORITY PHASE 3 PILE REMEDIATION

## LOCATION 2 BATTERY PARK CITY ESPLANADE NEW YORK, NEW YORK MARCH, 2014

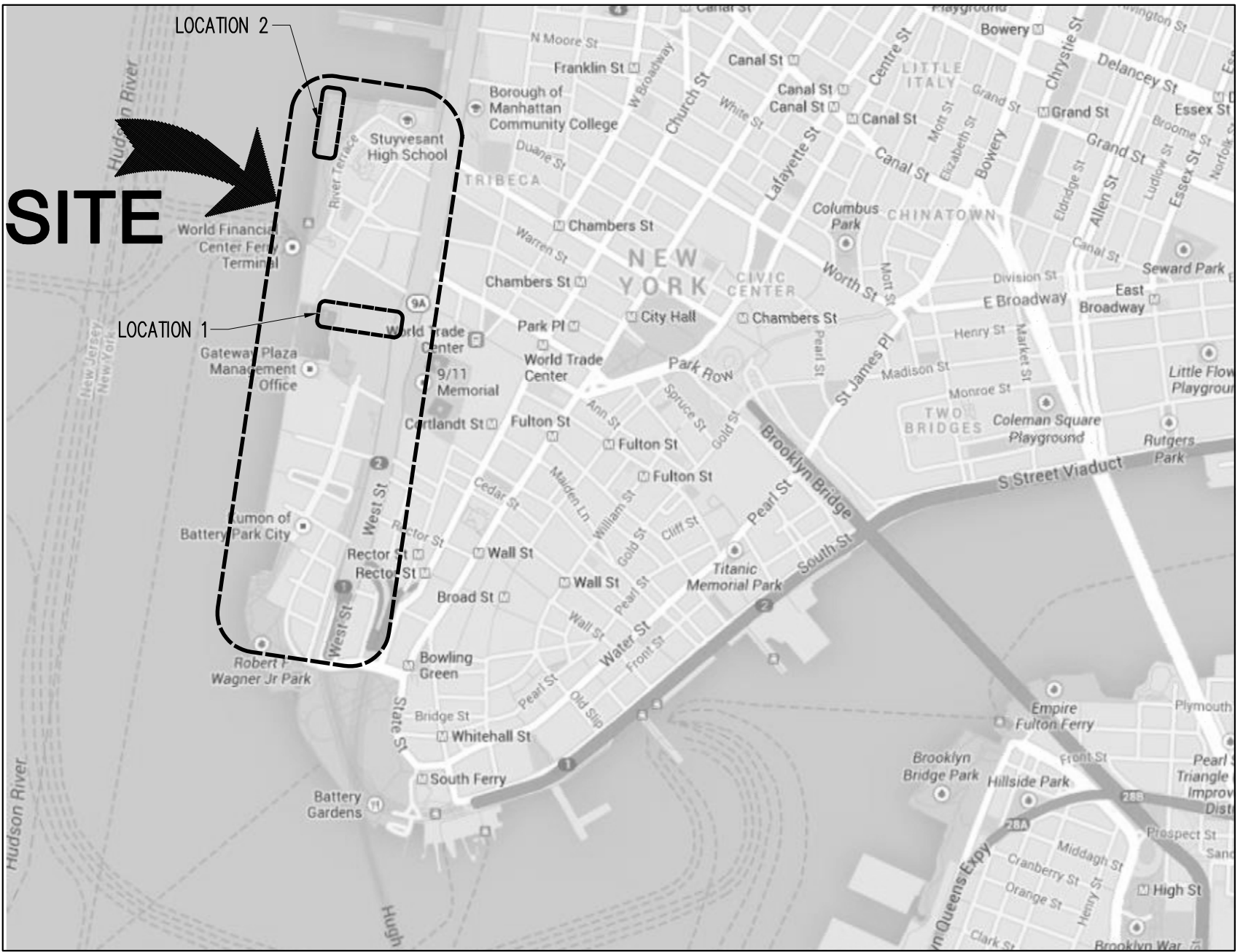
PREPARED BY:



**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

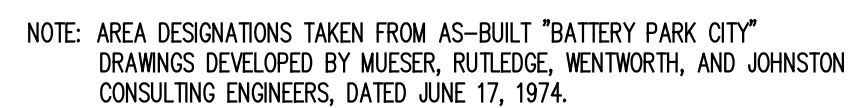


**VICINITY MAP**

CONSTRUCTION DRAWINGS





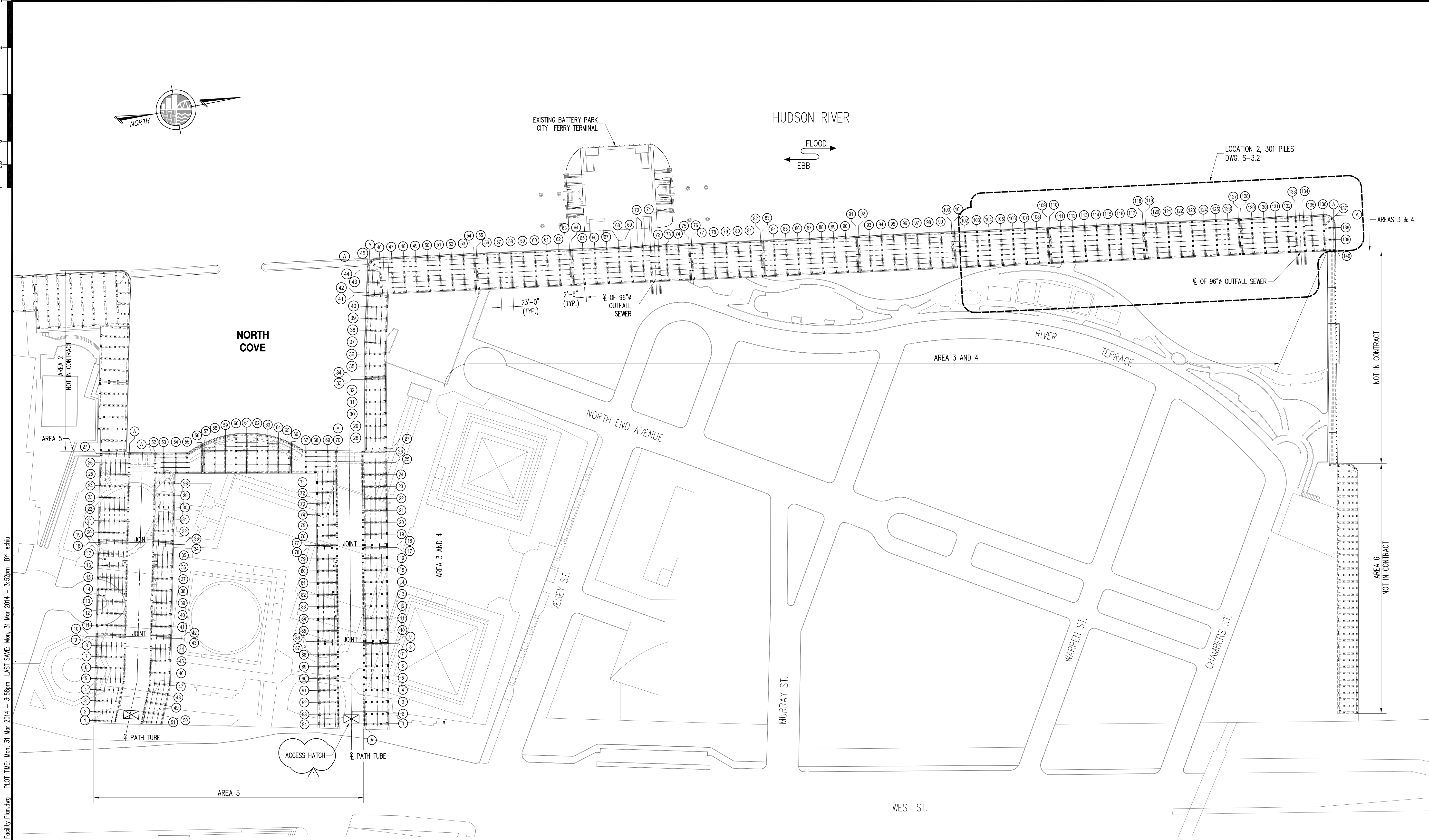


200' 100' 0 200' FEET  
SCALE: 1" = 200'

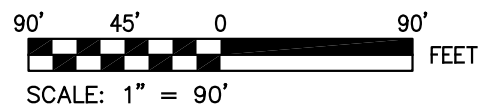
COPYRIGHT © 2014, McLAREN ENGINEERING GROUP

[illegible]

FILE NAME: P:\Proj\130\130870\10\_Dwg\CADD\S-3.1 Facility Plan.dwg PLOT TIME: Mon, 31 Mar 2014 - 3:58pm LAST SAVE: Mon, 31 Mar 2014 - 3:52pm BY: estiu



FACILITY PLAN

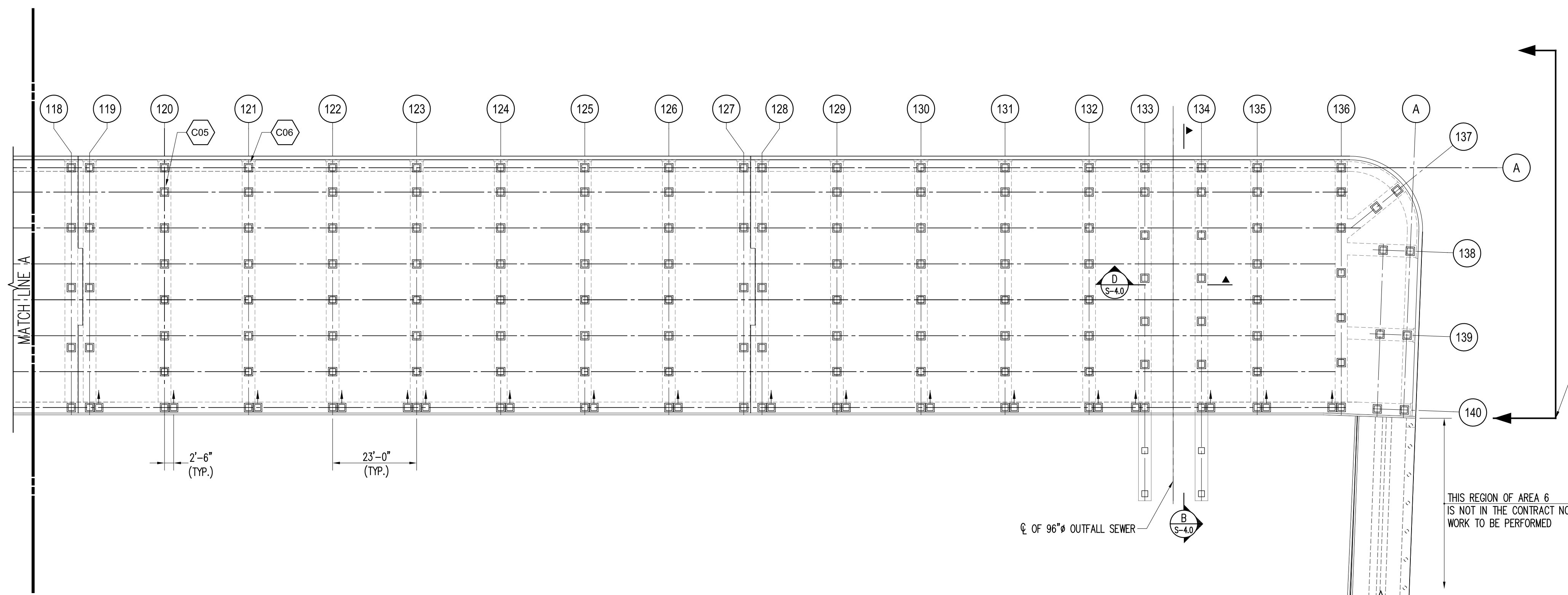
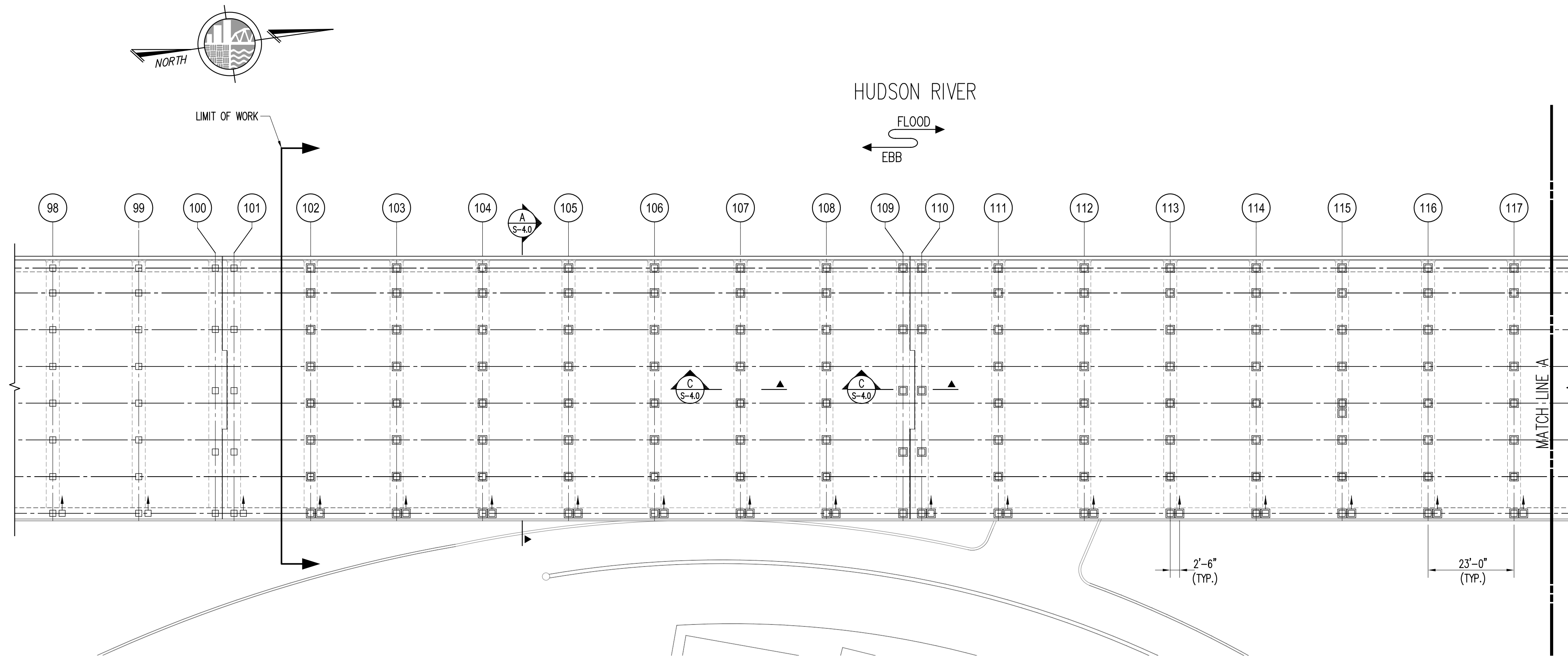


NOTE: AREA DESIGNATIONS TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS DEVELOPED BY MUESER, RUTLEDGE, WENTWORTH, AND JOHNSTON CONSULTING ENGINEERS, DATED JUNE 17, 1974.

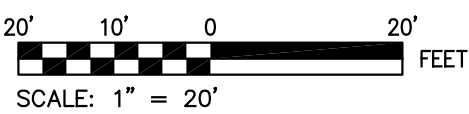
CONSTRUCTION DRAWINGS

COPYRIGHT © 2014, McLAREN ENGINEERING GROUP

<b>McLaren</b> ENGINEERING GROUP applied ingenuity 100 Shake Hill Road, West Nyack, NY 10994 T: (949) 353-5400 F: (949) 353-5509 www.mclaren.com		PROJECT NO. 130870 SCALE AS NOTED DATE 03/28/2014 DRAWN BY EHC CHECKED BY MJD DRAWING NO. S-3.1	PROJECT BATTERY PARK CITY AUTH. PHASE 3 PILE REMEDIATION NEW YORK NEW YORK	DATE 3/28/14 100% CONSTRUCTION DRAWINGS PERSON MJD BY
--	--	--	--	--










## REPAIR PLAN - LOCATION 2



NOTES:

1. MEASUREMENTS BASED ON LIMITED FIELD SURVEY. CONTRACTOR TO VERIFY ACTUAL FIELD CONDITIONS.
2. MINIMUM JACKET SHALL CONSIST OF EXPOSED PILE LENGTH + 2 FT MINIMUM EMBEDMENT INTO MUDLINE.

- LEGEND:**
-  20" x 20" SQUARE PRESTRESSED CONCRETE PILE
  -  20" x 20" SQUARE PRESTRESSED CONCRETE BATTER PILE
  -  EXISTING JACKET REPAIR
  -  PROPOSED PROTECTIVE REPAIR (SEE DETAIL A ON DWG. S-5.0)
  -  PROPOSED STRUCTURAL REPAIR (SEE DETAIL B ON DWG. S-5.0)
  -  CORE LOCATION
  -  CORE LOCATION TO BE PLUGGED (SEE DETAIL E ON DWG. S-5.0)

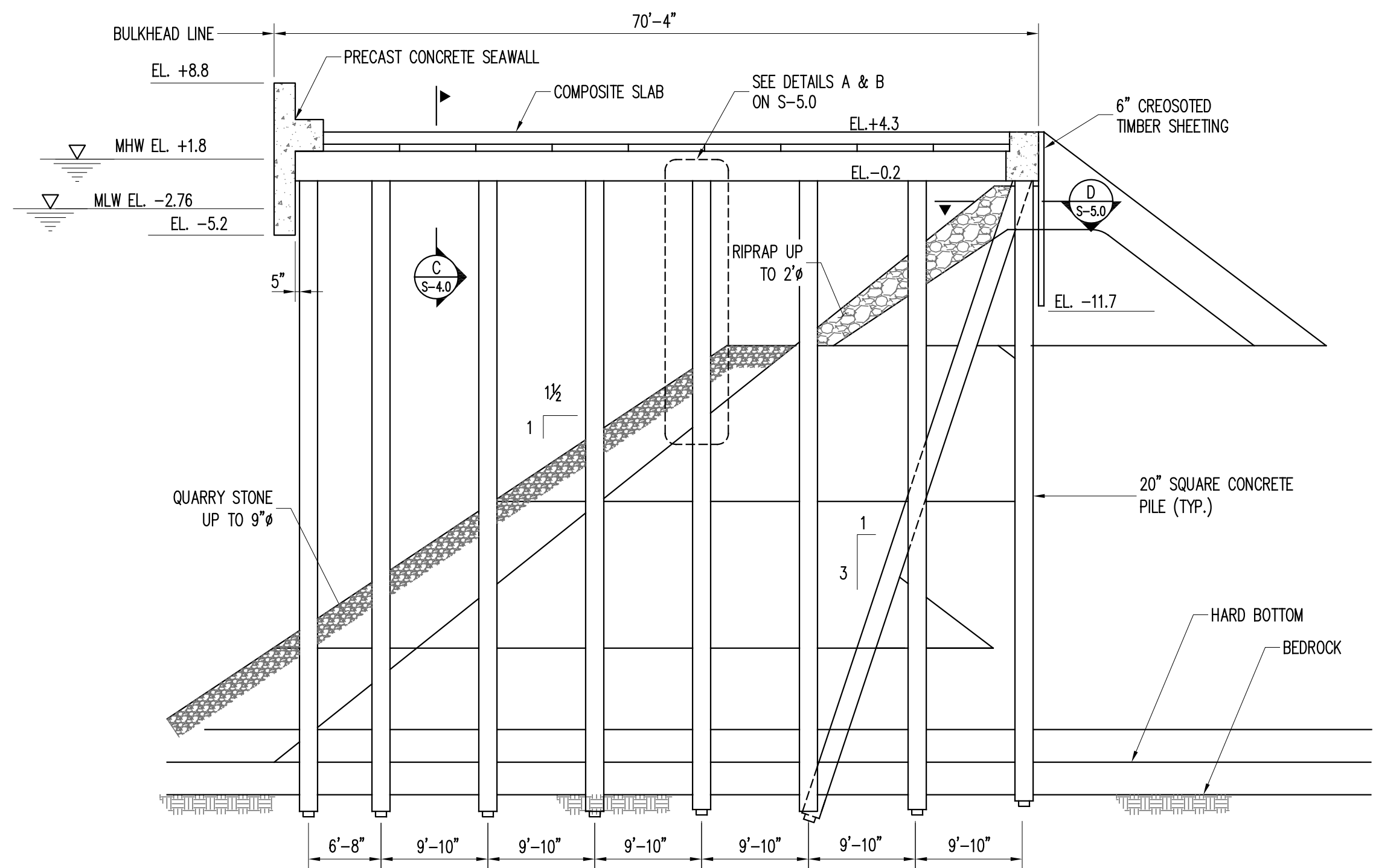
NOTE: AREA DESIGNATIONS TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS DEVELOPED BY MUESER, RUTLEDGE, WENTWORTH, AND JOHNSTON CONSULTING ENGINEERS, DATED JUNE 17, 1974.

## CONSTRUCTION DRAWINGS

COPYRIGHT © 2014, McLAREN ENGINEERING GROUP

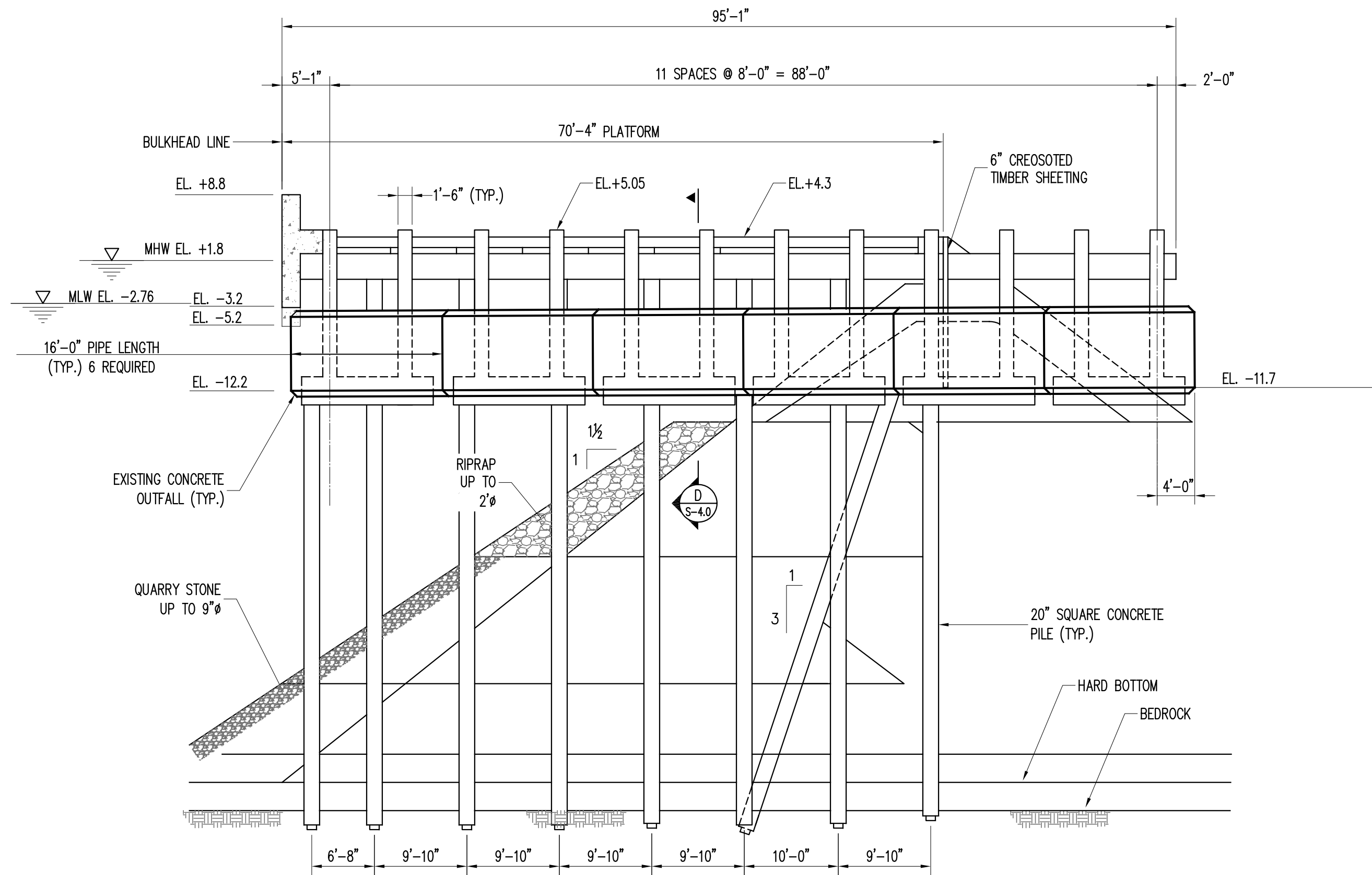
PROJECT		BATTERY PARK CITY AUTH. PHASE 3 PILE REMEDIATION		NEW YORK		NEW YORK	
SHEET TITLE		LOCATION 2 REPAIR PLAN					
PROJECT NO.		130870					
SCALE		AS NOTED					
DATE		03/28/2014					
DRAWN BY		EHC					
CHECKED BY		MJD					
DRAWING NO.		S-3.2					
5		OF		7		SHTS	

FILE NAME: P:\Proj\130\130870\10\_Dwg\CAD\S-4 Esplanade Sections.dwg PLOT TIME: Mon, 31 Mar 2014 - 3:58pm LAST SAVE: Mon, 31 Mar 2014 - 3:52pm BY: echiu



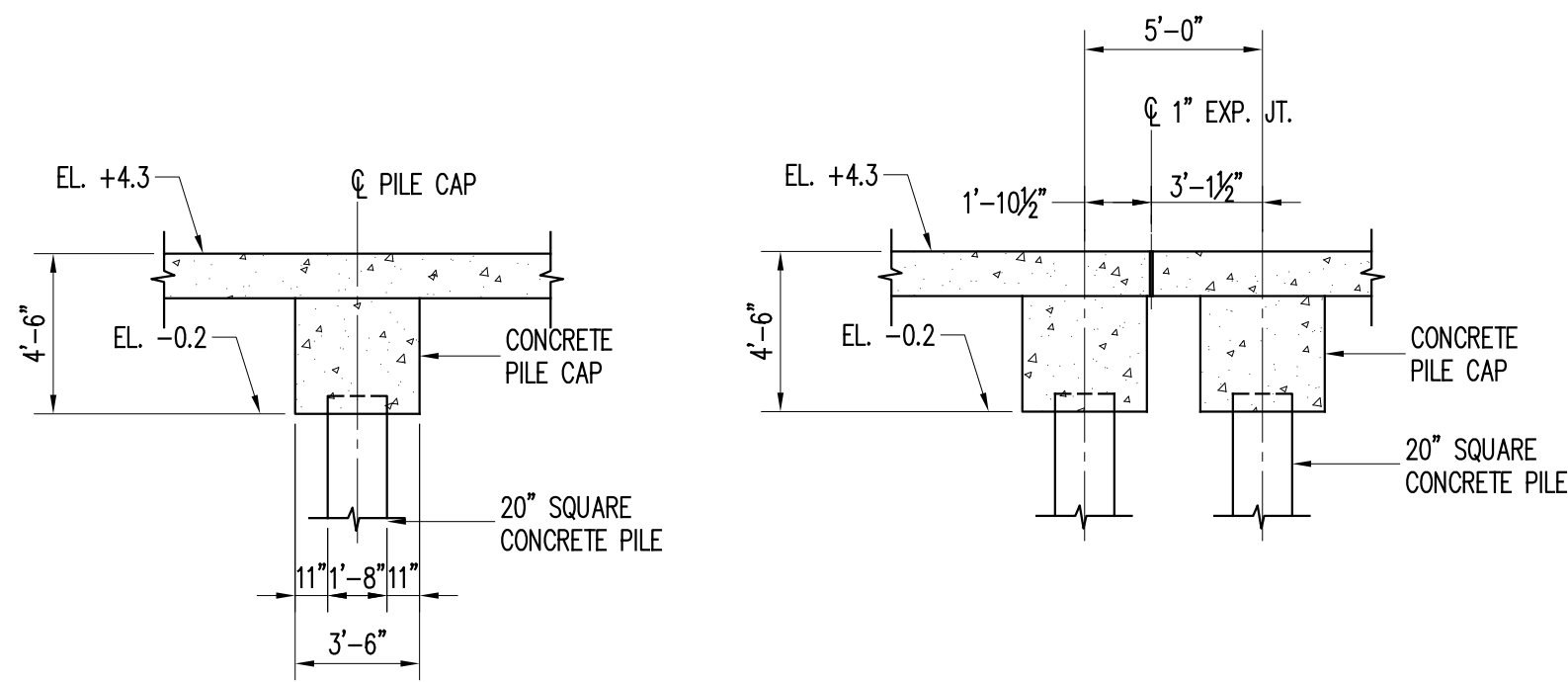
**A**  
SECTION  
S-4.0  
3/32"=1'-0"

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



**B**  
SECTION  
S-4.0  
3/32"=1'-0"

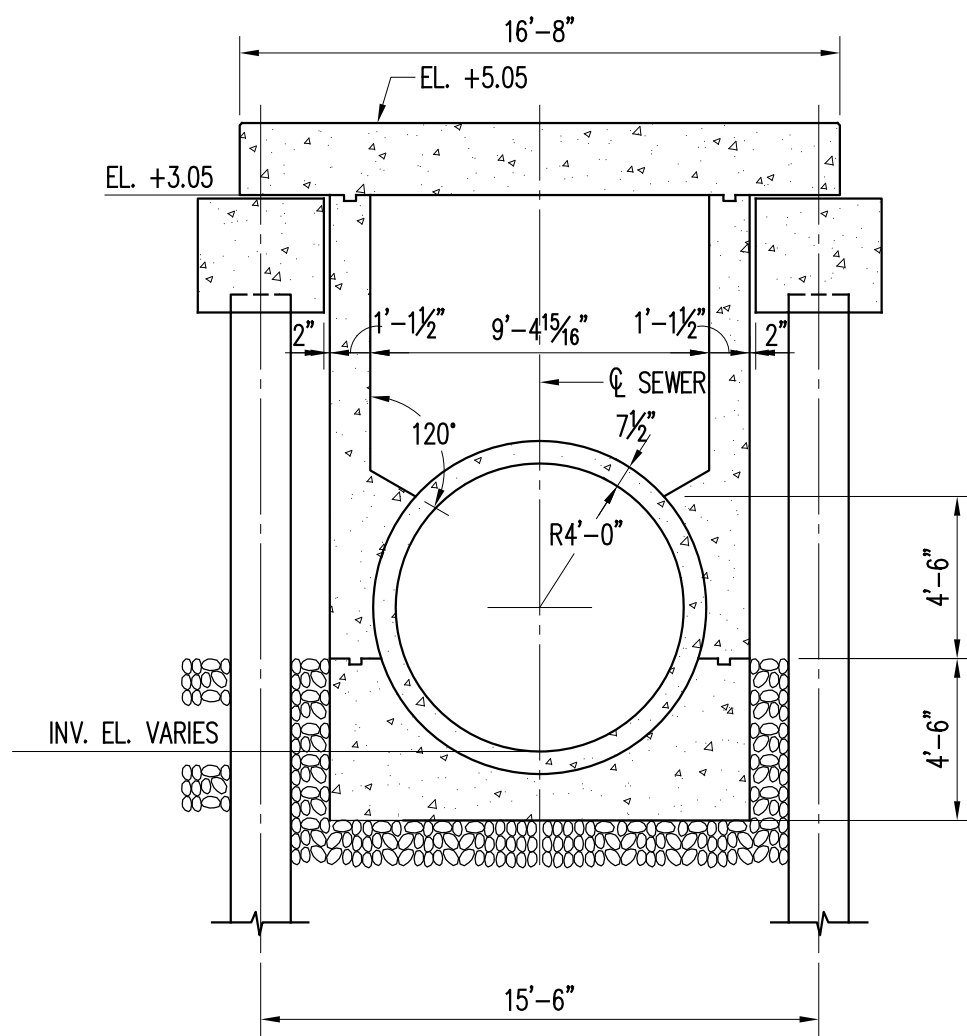
NOTE:  
SUBSURFACE PROFILE TAKEN FROM AS-BUILT "BATTERY PARK CITY" DRAWINGS  
DEVELOPED BY MUESER, RUTLEDGE, WENTWORTH, AND JOHNSTON CONSULTING  
ENGINEERS, DATED JUNE 17, 1974.



**TYPICAL SECTION**

**EXPANSION JOINT SECTION**

**C**  
PILE CAP SECTION  
S-4.0  
3/16"=1'-0"



**D**  
SECTION  
S-4.0  
3/16"=1'-0"

CONSTRUCTION DRAWINGS

COPYRIGHT © 2014, McLAREN ENGINEERING GROUP

PROJECT NO.	130870
SCALE	AS NOTED
DATE	03/28/2014
DRAWN BY	EHC
CHECKED BY	MJD
DRAWING NO.	S-4.0
BY	
PERSON	
DATE	
NO.	

**McLaren**  
ENGINEERING GROUP  
applied ingenuity  
M. G. McLAREN, P.E.  
100 Shake Hill Road, West Nyack, NY 10994  
T: (947) 353-5400 F: (947) 353-5509 www.mgmlaren.com

PROJECT  
**BATTERY PARK CITY AUTH.  
PHASE 3 PILE REMEDIATION**  
NEW YORK  
NEW YORK

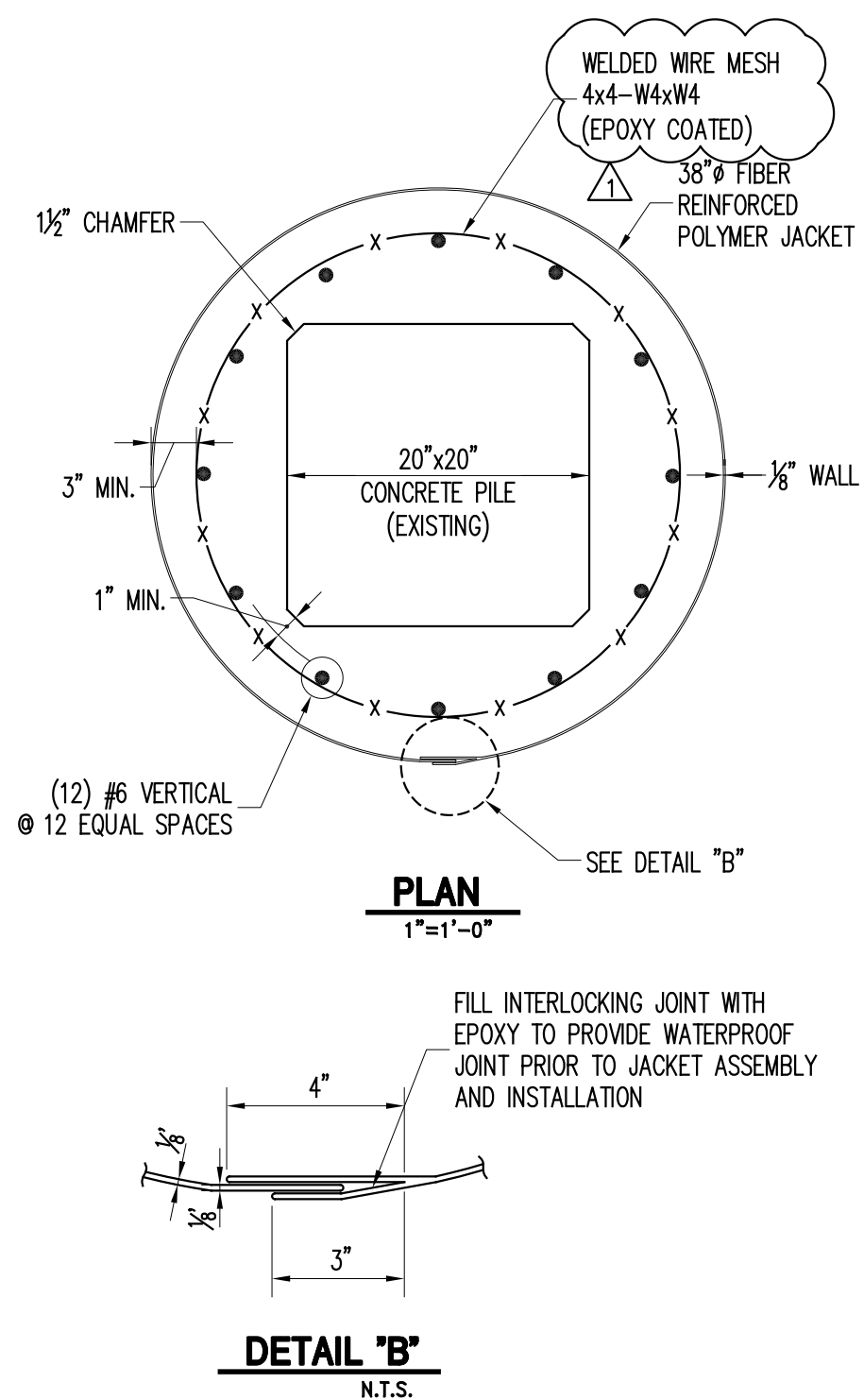
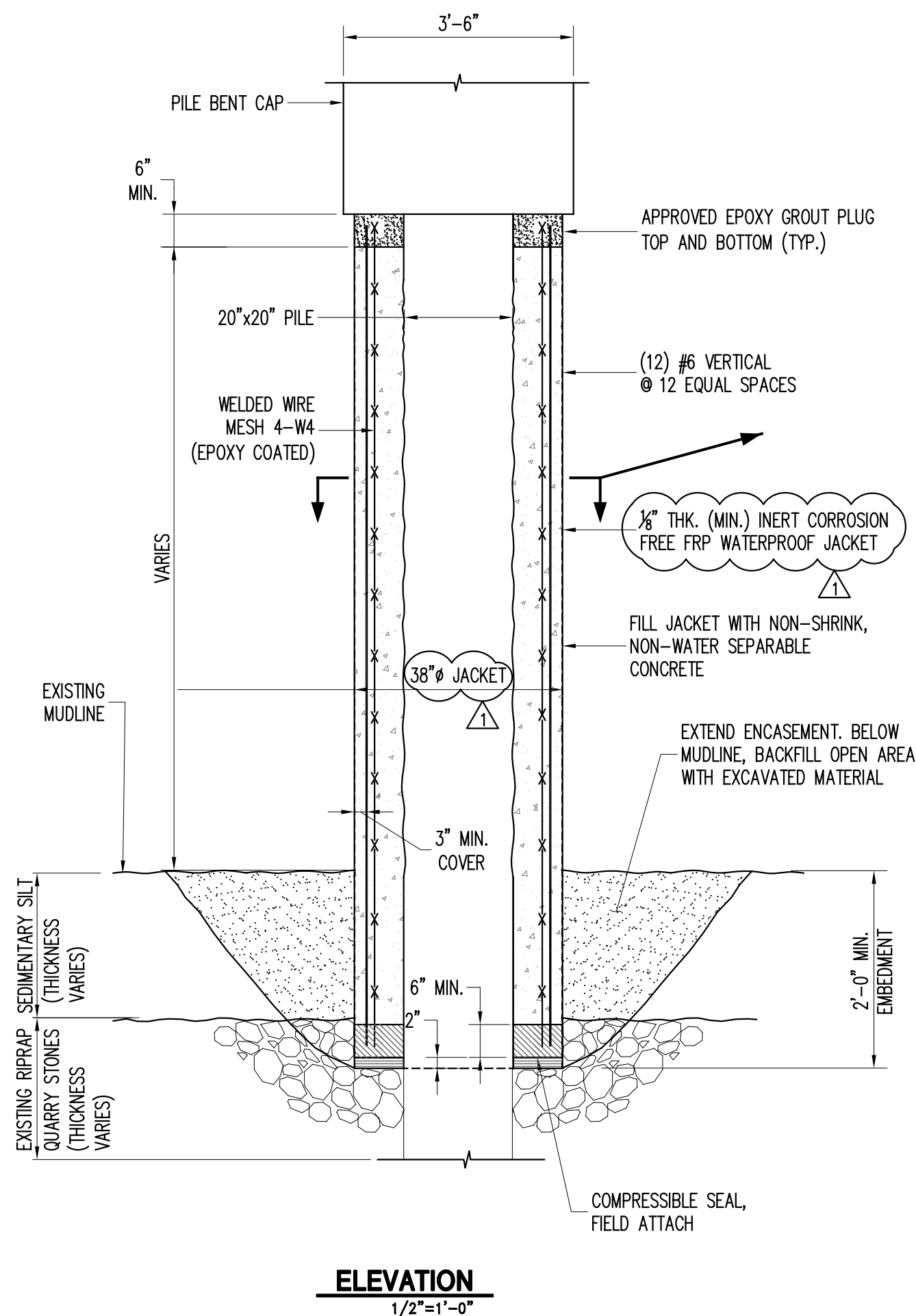
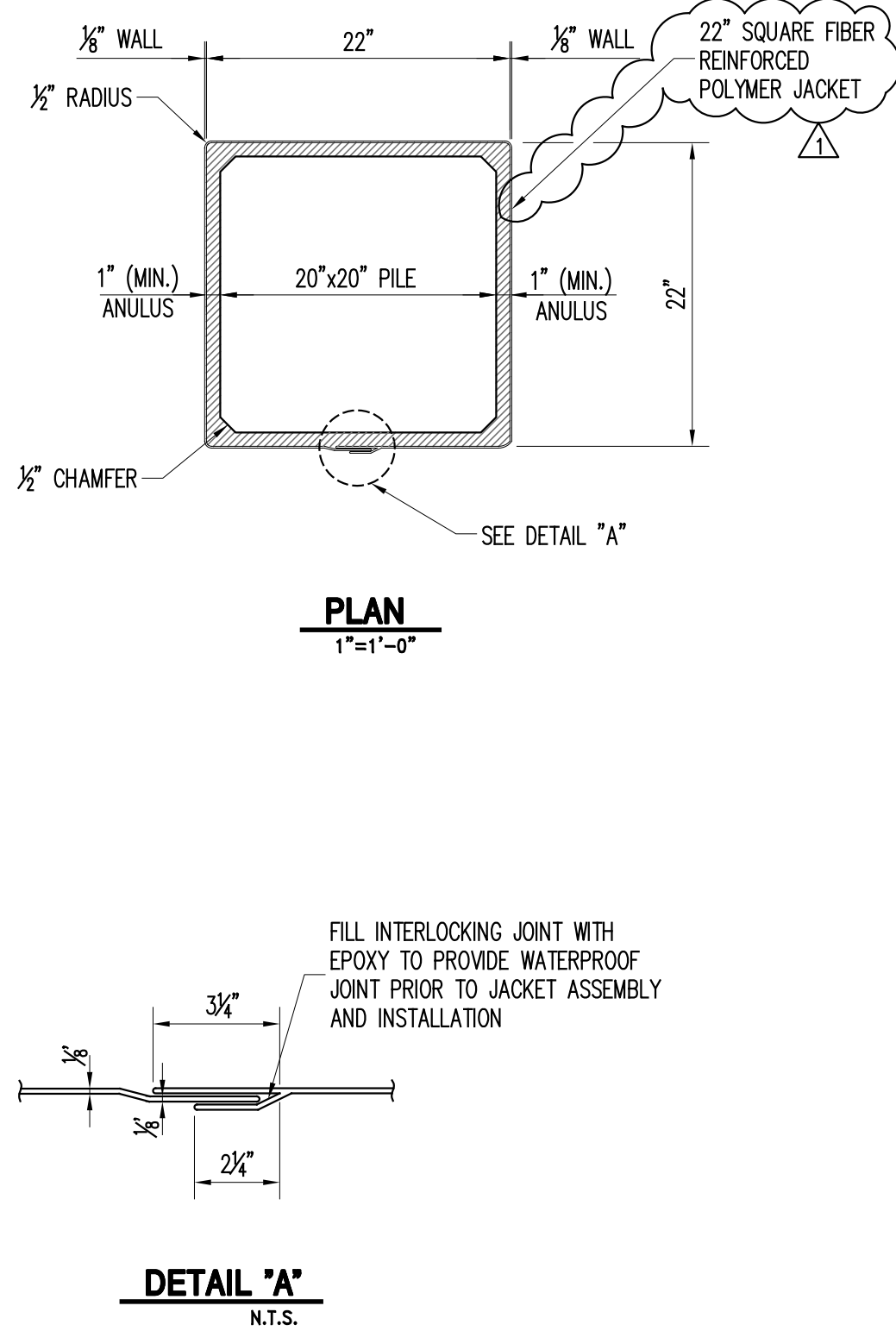
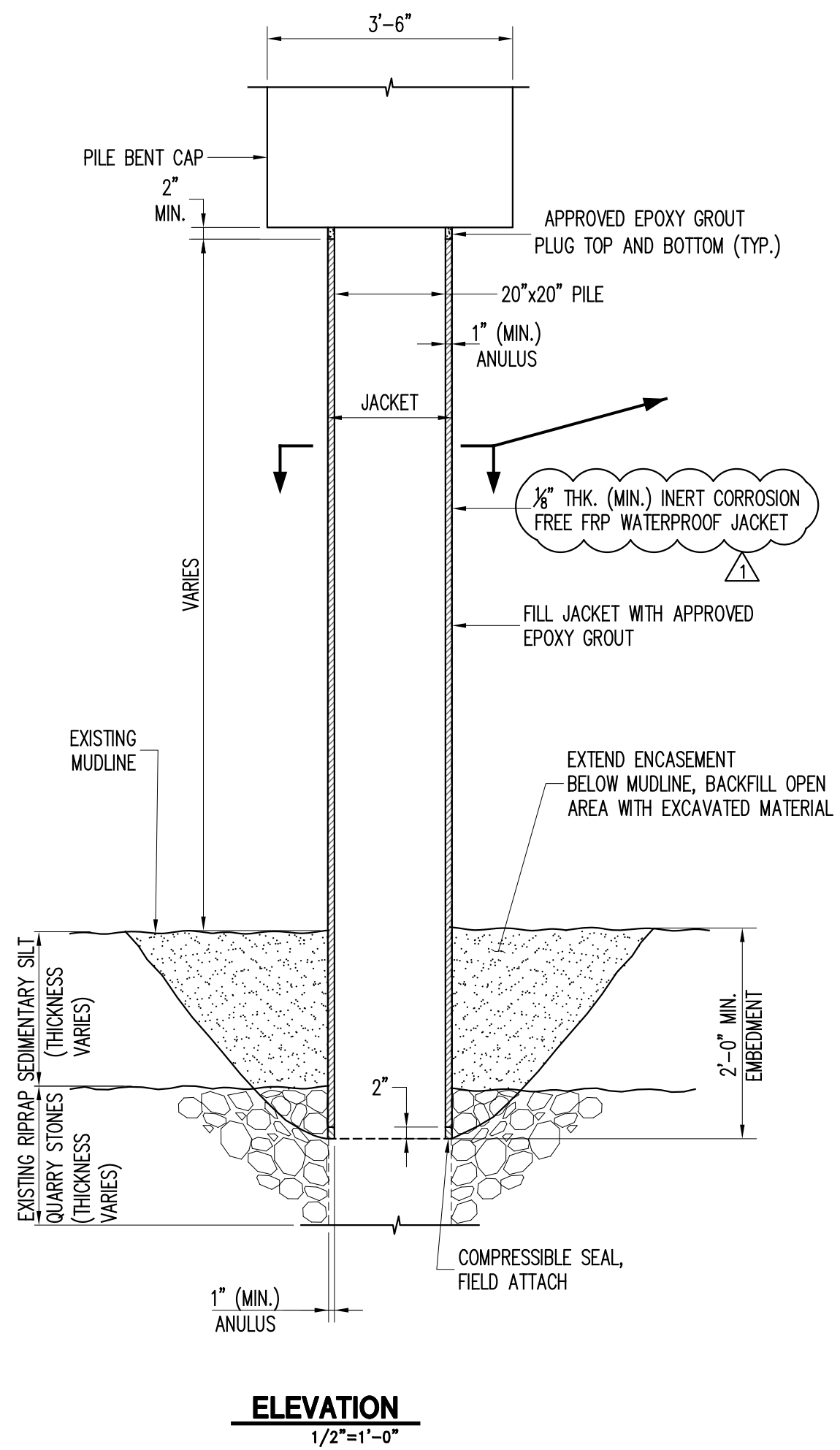
SHEET TITLE  
**LOCATION 2  
ESPLANADE  
TYPICAL SECTIONS**

PROJECT NO.	130870
SCALE	AS NOTED
DATE	03/28/2014
DRAWN BY	EHC
CHECKED BY	MJD

DRAWING NO.  
**S-4.0**  
6 OF 7 SHS

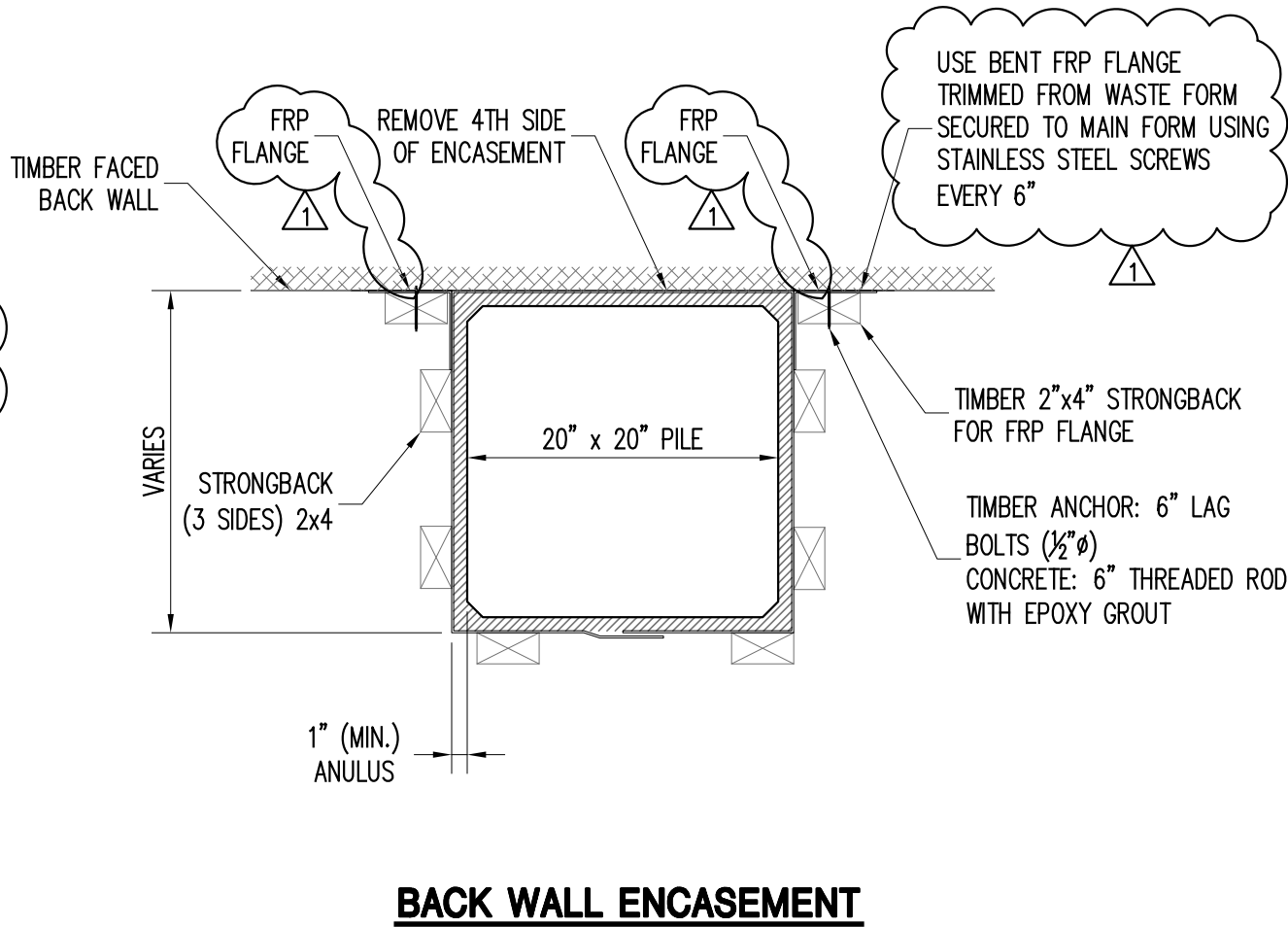
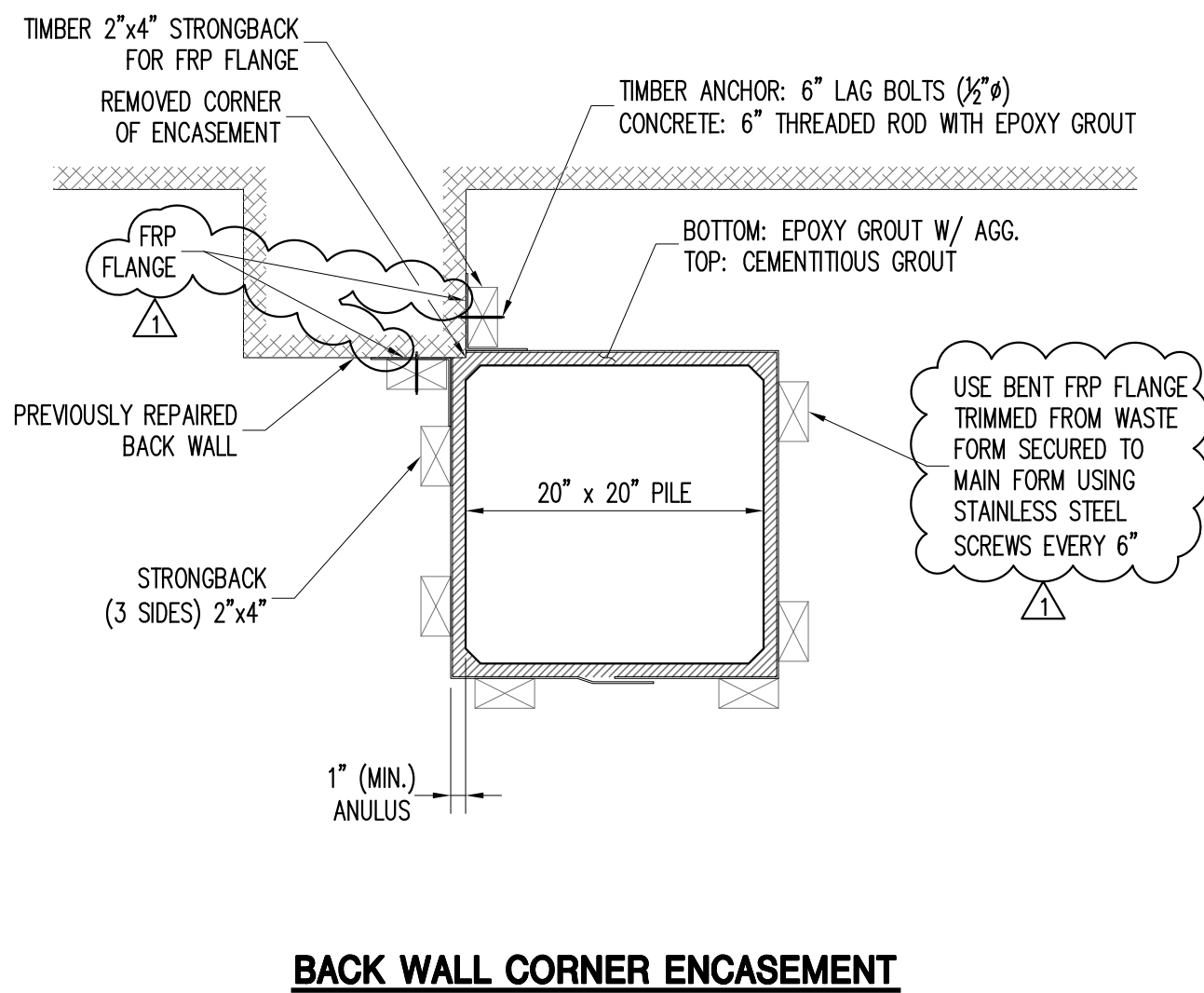
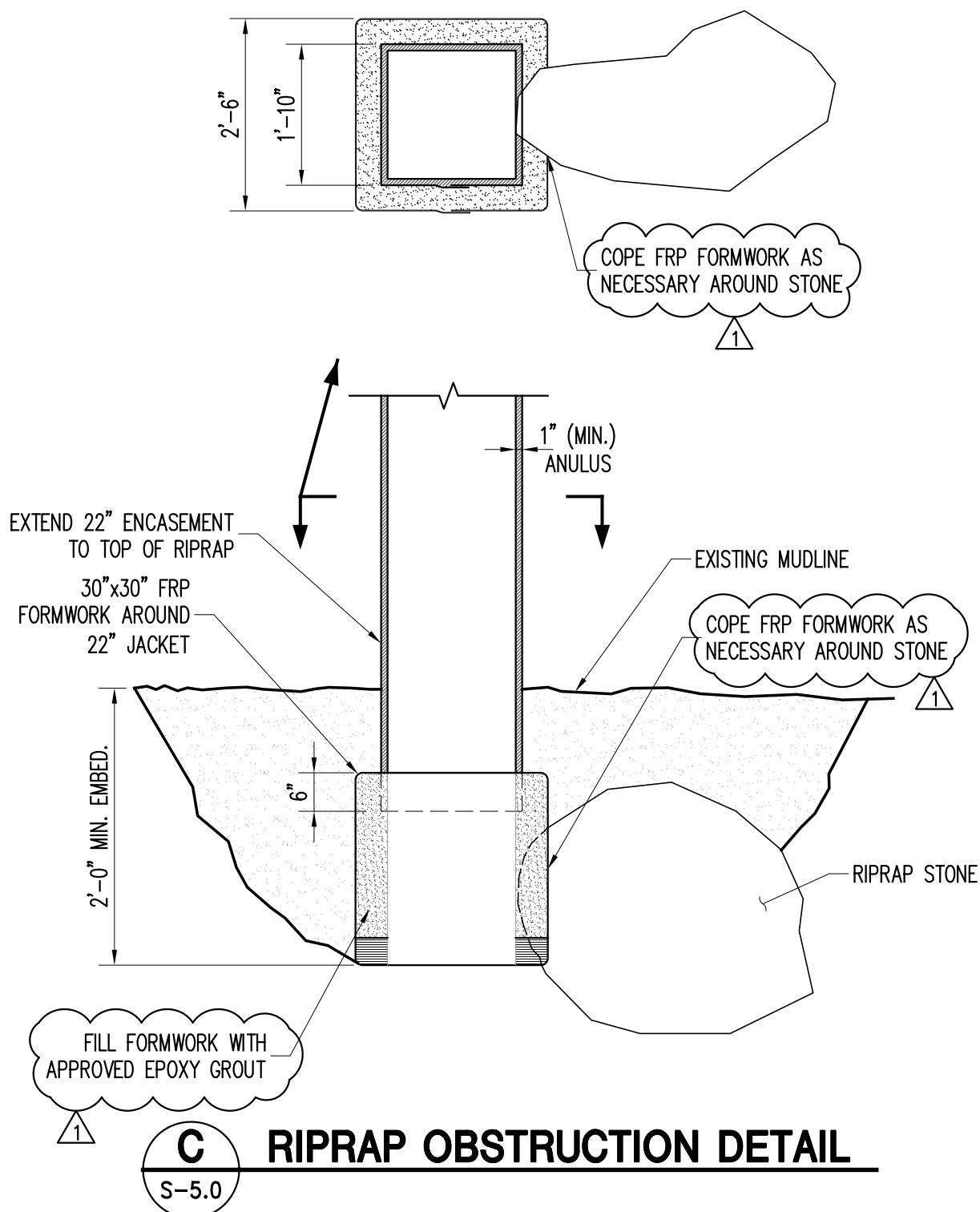


FILE NAME: P:\Proj\130\130870\10\_Dwg\CADD\S-5 Per Typical Detail.dwg PLOT TIME: Mon, 31 Mar 2014 - 3:58pm LAST SAVE: Mon, 31 Mar 2014 - 3:52pm BY: echli



**A** EPOXY GROUT PILE PROTECTION DETAILS  
S-5.0 MUDLINE CONDITIONS PER SCHEDULE ON REPAIR PLAN (SQUARE JACKET)

**B** CONCRETE PILE STRUCTURAL REPAIR DETAILS  
S-5.0 MUDLINE CONDITIONS PER SCHEDULE ON REPAIR PLAN (ROUND JACKET)



**D** BACK WALL ENCASEMENT DETAIL  
S-5.0

**C** RIPRAP OBSTRUCTION DETAIL  
S-5.0

CONSTRUCTION DRAWINGS

COPYRIGHT © 2014, McLAREN ENGINEERING GROUP

PROJECT NO. 130870		SCALE AS NOTED		DATE 03/28/2014		DRAWN BY EHC		CHECKED BY MJD		DRAWING NO. S-5.0	
BATTERY PARK CITY AUTH.		PHASE 3 PILE REMEDIATION		NEW YORK		NEW YORK		DATE 3/28/14		100% CONSTRUCTION DRAWINGS	
McLaren		ENGINEERING GROUP		M. G. McLAREN, P.C.		100 Snake Hill Road, West Nyack, NY 10994		T: (947) 353-5400 F: (947) 353-5509		www.mgmclaren.com	
PROJECT		BATTERY PARK CITY AUTH.		PHASE 3 PILE REMEDIATION		NEW YORK		DATE		PERSON	
SHEET TITLE		LOCATION 2		PIER TYPICAL DETAILS							