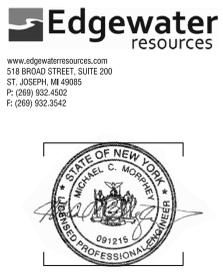


MARINA CONTROL POINTS			
	NORTHING	EASTING	DESCRIPTION
CP1	1,187,172.35	1,407,952.28	BACK OF STONE & FACE/SHEET
CP2	1,187,229.17	1,407,938.47	BACK OF STONE & FACE/SHEET
CP3	1,187,235.18	1,407,930.48	FACE/CURB-BACK OF STONE
CP4	1,187,275.75	1,407,876.63	FACE/CURB-BACK OF STONE
CP5	1,187,659.85	1,407,773.26	FACE/CURB-BACK OF STONE
CP6	1,188,002.25	1,407,946.71	FACE/CURB-BACK OF STONE & FACE/SHEET
CP7	1,187,960.73	1,407,969.28	FACE/SHEET
CP8	1,187,997.87	1,407,972.89	FACE/SHEET
CP9	1,188,010.61	1,407,948.00	FACE/SHEET
CP10	1,187,923.81	1,408,080.35	RADIUS 158.0', ARC LENGTH 132.5'
CP11	1,188,078.75	1,408,056.46	FACE/SHEET
CP12	1,187,981.40	1,408,071.47	RADIUS 100.0', ARC LENGTH 43.3'
CP13	1,188,079.64	1,408,078.63	FACE/SHEET
CP14	1,187,911.32	1,408,143.28	FACE/SHEET
CP15	1,187,904.74	1,408,138.72	FACE/SHEET
CP16	1,187,889.72	1,408,160.39	FACE/CURB-BACK OF STONE & FACE/SHEET
CP17	1,187,540.81	1,408,134.34	FACE/CURB-BACK OF STONE & FACE/SHEET
CP18	1,187,526.64	1,408,124.61	FACE/SHEET
CP19	1,187,493.96	1,408,140.70	FACE/CURB-BACK OF STONE
CP20	1,187,316.30	1,408,017.78	FACE/CURB-BACK OF STONE & FACE/SHEET
CP21	1,187,324.04	1,408,006.60	INTERSECTION/FACE SHEET
CP22	1,187,322.36	1,407,999.68	INTERSECTION/FACE SHEET
CP23	1,187,199.99	1,408,029.44	END OF SHEET/FACE SHEET
CP24	1,187,608.42	1,407,726.29	INTERSECTION/FACE SHEET
CP25	1,187,658.21	1,407,751.83	INTERSECTION/FACE SHEET
CP26	1,187,645.74	1,407,712.78	RADIUS 41.0', ARC LENGTH 14.9'
CP27	1,187,647.93	1,407,715.40	RADIUS 41.0', ARC LENGTH 14.3'
CP28	1,187,614.24	1,407,776.24	RADIUS 50.3', ARC LENGTH 59.3'
CP29	1,187,144.83	1,407,972.44	LIMITS OF SCOUR PROTECTION
CP30	1,187,127.61	1,407,019.85	LIMITS OF SCOUR PROTECTION
CP31	1,187,152.11	1,408,052.17	LIMITS OF SCOUR PROTECTION
CP32	1,187,163.60	1,407,963.50	CENTER OF PILE
CP33	1,187,178.36	1,407,959.91	CENTER OF PILE
CP34	1,187,251.25	1,407,942.19	CENTER OF PILE
CP35	1,187,289.13	1,407,872.17	CENTER OF EMERGENCY FIRE ACCESS

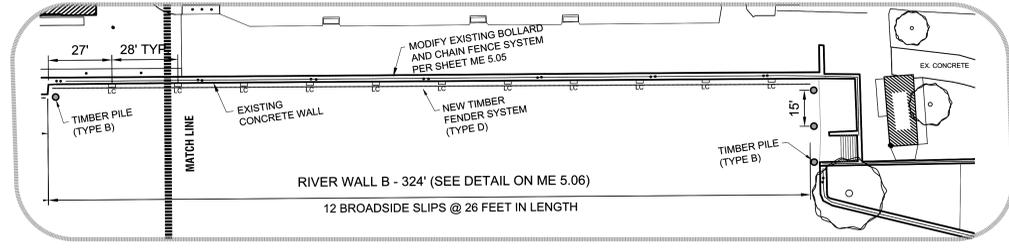
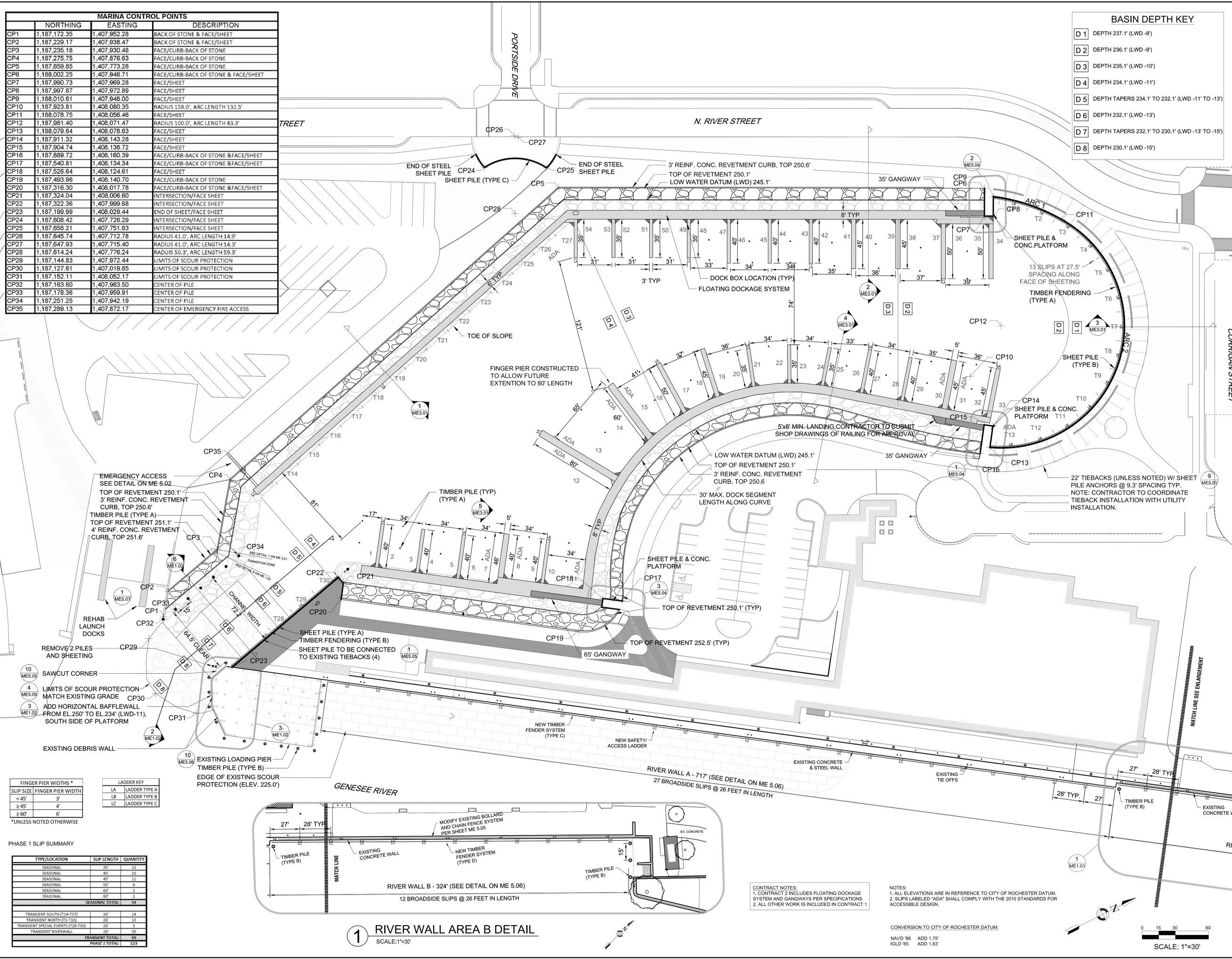
BASIN DEPTH KEY	
D 1	DEPTH 237.1' (LWD -8')
D 2	DEPTH 236.1' (LWD -9')
D 3	DEPTH 235.1' (LWD -10')
D 4	DEPTH 234.1' (LWD -11')
D 5	DEPTH TAPERS 234.1' TO 232.1' (LWD -11' TO -13')
D 6	DEPTH 232.1' (LWD -13')
D 7	DEPTH TAPERS 232.1' TO 230.1' (LWD -13' TO -15')
D 8	DEPTH 230.1' (LWD -15')



**LABELLA**  
Associates, P.C.  
Relationships. Resources. Results.  
www.labellapc.com  
300 STATE STREET  
ROCHESTER, NY 14614  
P: (585) 454-6110  
F: (585) 454-3066

Engineering  
Architecture  
Environmental  
Planning

PROJECT/CLIENT  
**PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT**  
ROCHESTER, NY



FINGER PIER WIDTHS *	
SLIP SIZE	FINGER PIER WIDTH
< 45'	3'
≥ 45'	4'
≥ 60'	6'

\*UNLESS NOTED OTHERWISE

LADDER KEY	
LA	LADDER TYPE A
LB	LADDER TYPE B
LC	LADDER TYPE C

PHASE 1 SLIP SUMMARY

TYPE/LOCATION	SLIP LENGTH	QUANTITY
SEASONAL	35'	13
SEASONAL	40'	20
SEASONAL	45'	11
SEASONAL	50'	6
SEASONAL	60'	2
SEASONAL	80'	2
SEASONAL TOTAL		54
TRANSIENT SOUTH (T14-T27)	36'	14
TRANSIENT NORTH (T1-T13)	26'	13
TRANSIENT SPECIAL EVENTS (T28-T30)	26'	3
TRANSIENT RIVERWALL	26'	39
TRANSIENT TOTAL		69
PHASE 1 TOTAL		123

CONTRACT NOTES:  
1. CONTRACT 2 INCLUDES FLOATING DOCKAGE SYSTEM AND GANGWAYS PER SPECIFICATIONS.  
2. ALL OTHER WORK IS INCLUDED IN CONTRACT 1

NOTES:  
1. ALL ELEVATIONS ARE IN REFERENCE TO CITY OF ROCHESTER DATUM.  
2. SLIPS LABELED "ADA" SHALL COMPLY WITH THE 2010 STANDARDS FOR ACCESSIBLE DESIGN.

CONVERSION TO CITY OF ROCHESTER DATUM:  
NAVD '88 ADD 1.75'  
IGLD '85 ADD 1.83'

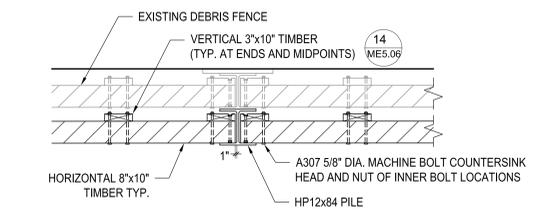
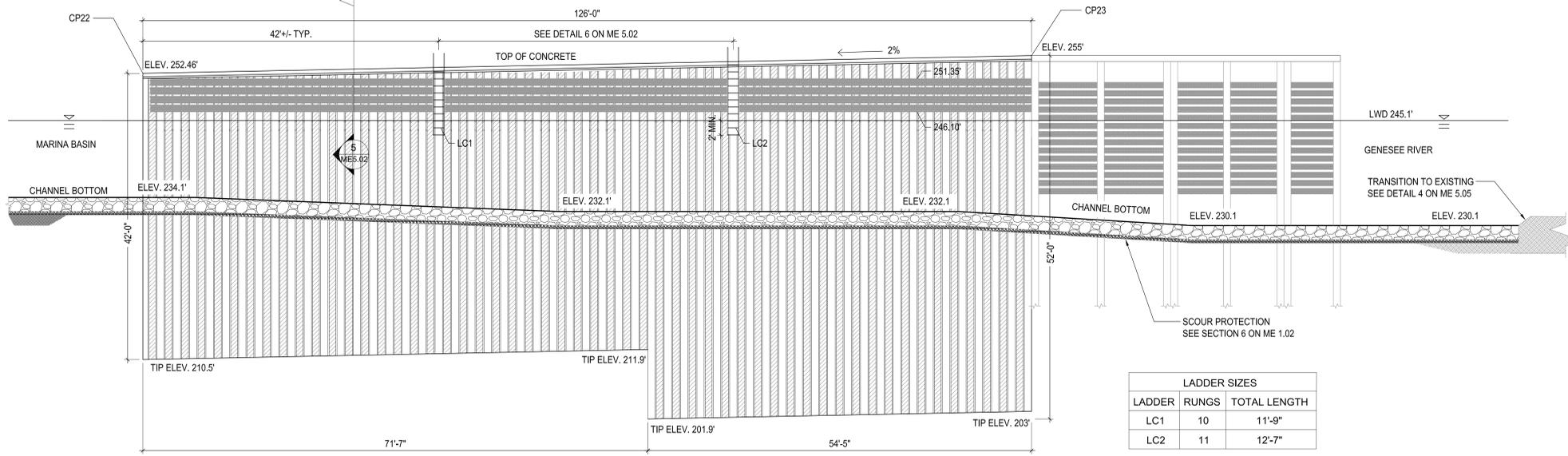
NO.	DATE	REVISION

ISSUED FOR  
**BID**

DRAWING TITLE  
**MARINA LAYOUT PLAN**

DATE: JULY 22, 2013  
SCALE: 1" = 30'  
DESIGNED BY: MCM  
DRAWN BY: CDH  
REVIEWED BY: RES  
PROJECT NUMBER: 210660  
DRAWING NUMBER

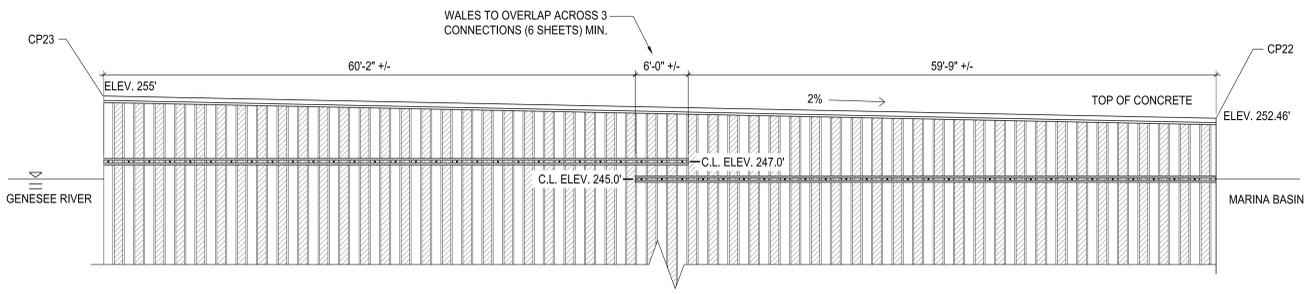
**ME 1.01**



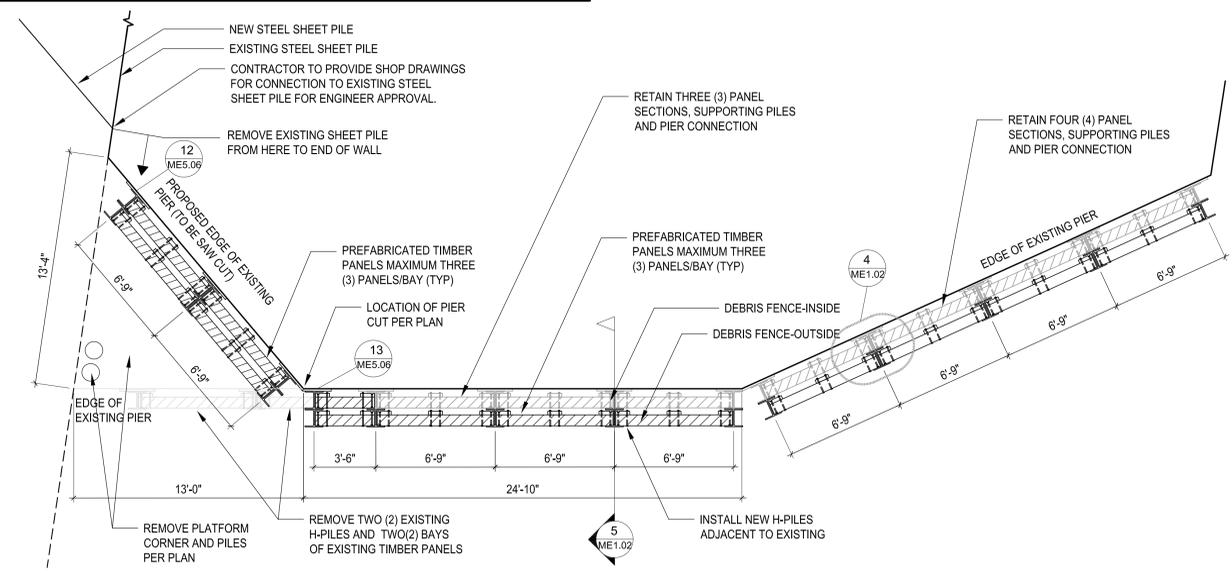
LADDER	RUNGS	TOTAL LENGTH
LC1	10	11'-9"
LC2	11	12'-7"

4 PANEL JOINT - TYP.  
SCALE: 1/2"=1'-0"

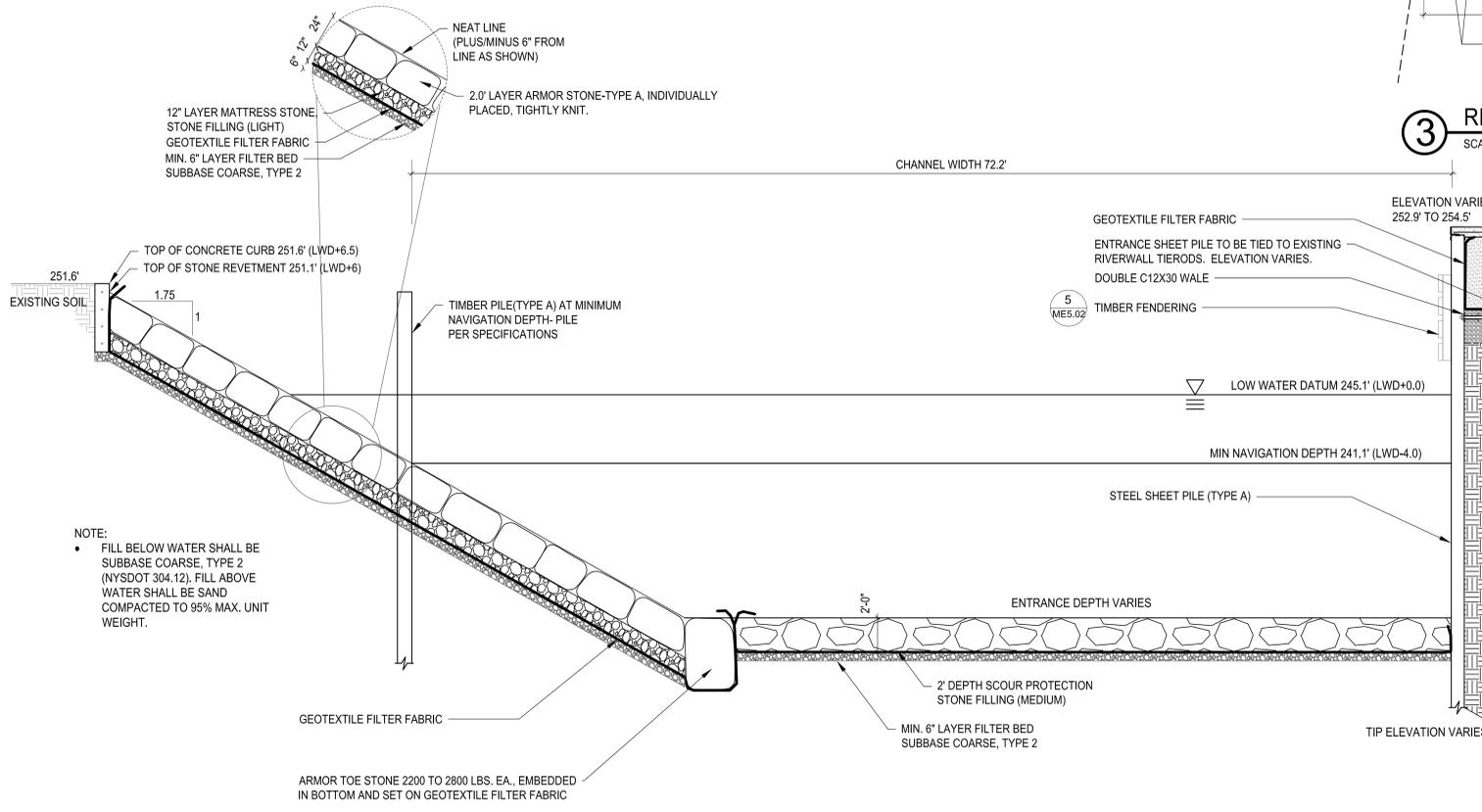
2 ENTRANCE ELEVATION  
SCALE: 1/8"=1'-0"



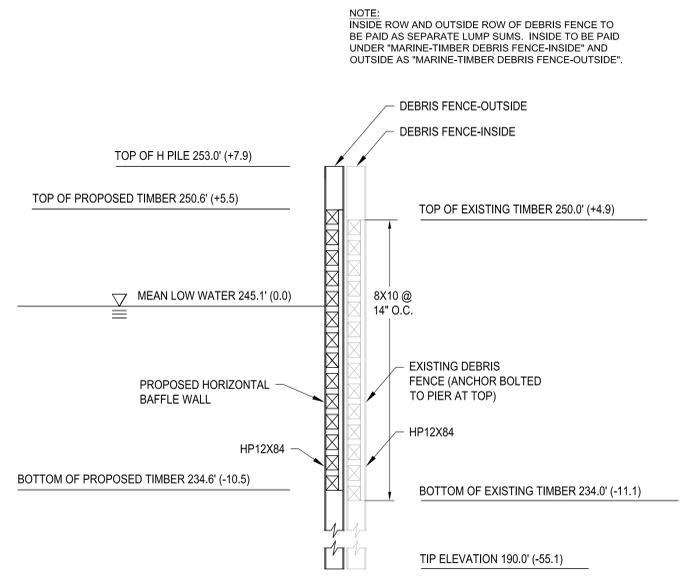
1 ENTRANCE REVERSE ELEVATION  
SCALE: 1/8"=1'-0"



3 RIVER PLATFORM DETAIL  
SCALE: 1/4"=1'-0"



6 MARINA ENTRANCE SECTION  
SCALE: 1/4"=1'-0"



5 DEBRIS FENCE CROSS-SECTION  
SCALE: 1/4"=1'-0"

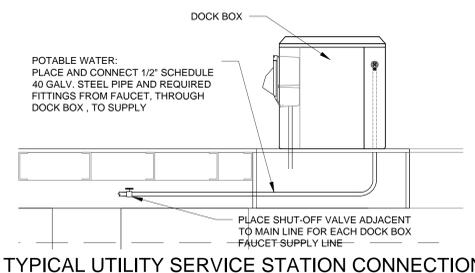
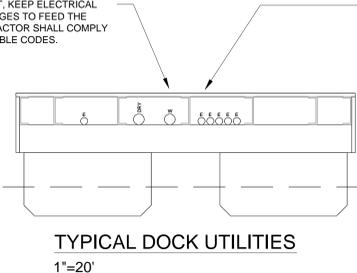
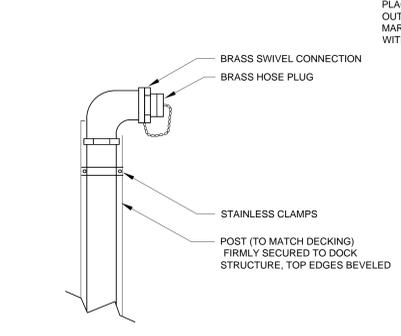
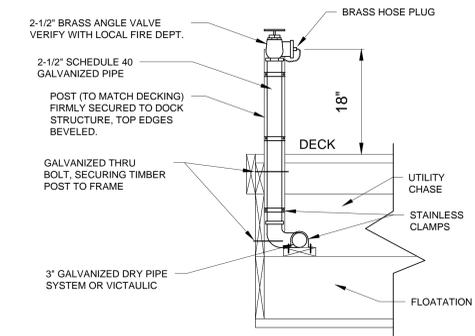


NO.	DATE	REVISION

ISSUED FOR  
**BID**

DRAWING TITLE  
**MARINA ENTRANCE DETAILS**

DATE: JULY 22, 2013  
SCALE: VARIES  
DESIGNED BY: MCM  
DRAWN BY: CDH  
REVIEWED BY: RES  
PROJECT NUMBER: 210660  
DRAWING NUMBER:



- UTILITY NOTES:**
- CONTRACTOR SHALL PLACE ALL NECESSARY UTILITIES AS SHOWN AND AS REQUIRED. ALL UTILITIES MAY NOT BE SHOWN ON THIS DRAWING. CONTRACTOR SHALL COORDINATE WITH OTHERS.
  - CONTRACTOR SHALL LAYOUT UTILITIES IN STRUCTURES UTILITY AREAS. CONTRACTOR SHALL CONFINE UTILITIES TO SPECIFIC UNDER DECK AREAS FOR SPECIFIC UTILITIES AS SHOWN.
  - PLACE/LOCATE FOR BEST USE: TYPE, LAYOUT, EFFICIENCY AND SAFETY. ALL NECESSARY BENDS, TEES, ADAPTERS AND/OR REDUCERS SHALL BE INCLUDED AND INSTALLED AS REQUIRED. BENDS SHALL BE ADEQUATELY BRACED FOR TRUSTS.
  - PROVIDE SHOP DRAWINGS AND LAYOUT FOR ENGINEER REVIEW AND APPROVAL PRIOR TO FABRICATION.
  - CONTRACTOR SHALL FURNISH AND INSTALL ALL UTILITIES WITH ADEQUATE SUPPORTS AT INTERVALS NO GREATER THAN 10' C/C.
  - CONTRACTOR SHALL FURNISH AND INSTALL ALL UTILITY SERVICE STATIONS INCLUDED IN CONTRACT IN LOCATIONS SHOWN. UTILITY SERVICE STATIONS MOUNTED ON FLOATING DOCKAGE SYSTEM ARE INCLUDED IN CONTRACT 2.
  - UTILITY SERVICE STATIONS SHALL INCLUDE BRASS BALL VALVES FROM MANUFACTURER AND SHALL BE INSTALLED WITH HOSE BIB ON THE WATER SIDE OF PIER. CONTRACTOR TO FURNISH AND INSTALL ATMOSPHERIC BREAKER FOR EACH BALL VALVE.
  - DOCK BOX FAUCETS SHALL INCORPORATE ATMOSPHERIC BREAKERS.
  - CONTRACTOR SHALL IDENTIFY EACH PIPE AND CONDUIT AS TO CONTENTS EVERY 20' AND ALL ACCESS LOCATIONS WITH PERMANENT LABELS.
  - CONTRACTOR SHALL PRESSURE TEST/CHLORINATE AS SPECIFIED.
  - LANDSIDE SUBSTATION CONNECTIONS ARE THE LIMITS OF FLOATING DOCK SYSTEM ELECTRICAL WORK. FLOATING DOCK SYSTEM CONTRACTOR TO INSTALL SUBSTATION C, FURNISHED BY CONTRACT 1.

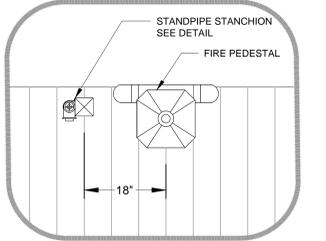
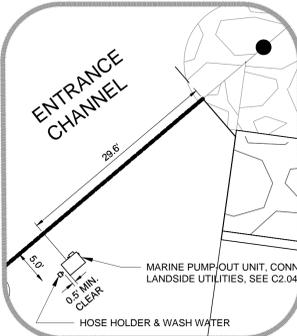
**STANDPIPE STANCHION DETAIL**  
1"=1'

**INLET CONNECTION DETAIL**  
2"=1'

**TYPICAL DOCK UTILITIES**  
1"=20'

**TYPICAL UTILITY SERVICE STATION CONNECTION**  
1"=20'

- FIRE PROTECTION NOTES:**
- STANDPIPE INTEGRATION DEPENDENT ON DOCK STRUCTURE. SYSTEMS TO BE ADEQUATELY SECURED AGAINST THRUSTS FOR FIRE DEPARTMENT PUMPING SYSTEM. SYSTEM TO INCLUDE DRAIN VALVES AND SLOPE FOR DRAINAGE. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER APPROVAL PRIOR TO FABRICATION.
  - CONTRACTOR TO VERIFY SYSTEM CONNECTIONS MATCH THOSE OF LOCAL FIRE DEPARTMENT. SYSTEM TO INCORPORATE FLEXIBLE CONNECTIONS AS NECESSARY TO ACCOUNT FOR MOVEMENT OF DOCKS AND SEASONAL EXPANSION/CONTRACTION.
  - SYSTEM TO CONFORM TO, BUT NOT LIMITED TO, CITY OF ROCHESTER CODE, NYS FIRE CODE, NFPA 303 AND NFPA 14.
  - FIRE PEDESTALS MUST BE PLACED PER NFPA 303, SO THAT ALL SLIPS ARE WITHIN 75' OF FIRE PEDESTALS.

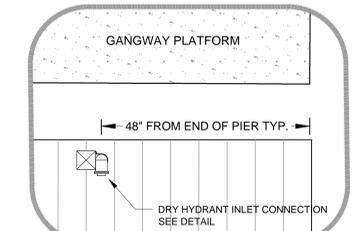


**2 ENLARGEMENT**  
SCALE: 1"=10'

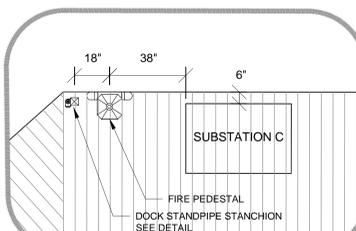
**4 ENLARGEMENT**  
SCALE: N.T.S.

- FIRE PROTECTION LEGEND**
- 1 DRY HYDRANT INLET CONNECTION
  - 5 STANDPIPE STANCHION
  - DRY HYDRANT PIPING

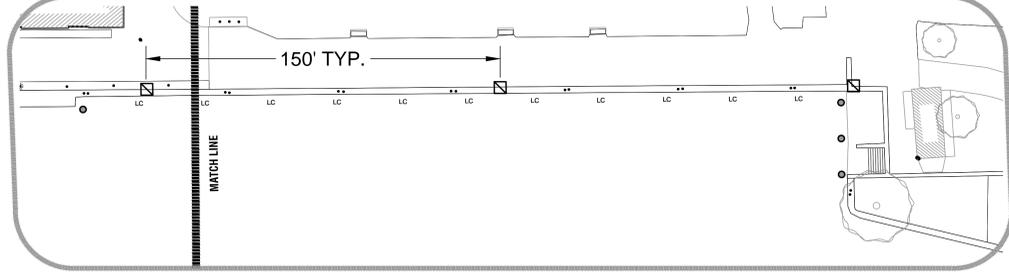
- UTILITY LEGEND**
- TYPE - B**
- 30A-30A
  - 30A-50A
  - 50A-50A
- TYPE - A**
- SIDE A: 100A
  - SIDE B: 50A-50A
  - SIDE A: 50A-50A
  - SIDE B: EMPTY
  - SIDE A: 30A-50A
  - SIDE B: 30A-50A
- FIRE PEDESTAL
  - SUBSTATION
  - INDICATES ADA RISER REQUIRED
  - DOCK BOX WITH TYPE A UTILITY STATION AND POTABLE WATER



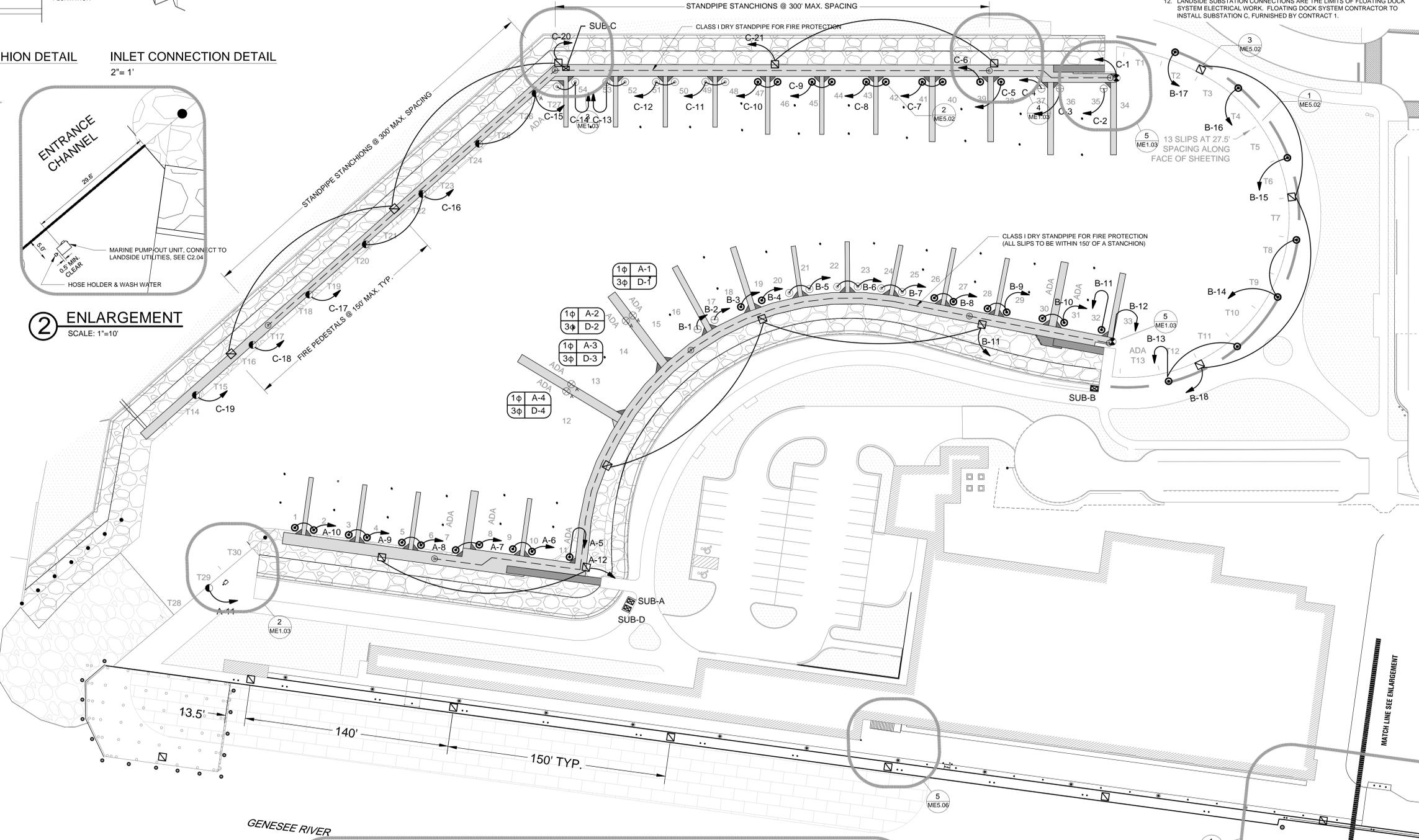
**5 TYPICAL ENLARGEMENT**  
SCALE: N.T.S.



**3 ENLARGEMENT**  
SCALE: N.T.S.



**1 NORTH RIVER WALL**  
SCALE: 1"=30'



- GENERAL NOTES:**
- ALL ELEVATIONS ARE IN REFERENCE TO CITY OF ROCHESTER DATUM.
  - ALL DOCK UTILITY STATIONS TO INCLUDE POTABLE WATER, POWER SERVICE AND LIGHTING. LAND SIDE SERVING SLIPS T1-T13 TO INCLUDE POWER SERVICE AND LIGHTING ONLY.
  - ELECTRICAL LAYOUT IS SCHEMATIC, CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
  - FIRE PROTECTION SHALL COMPLY WITH NFP 303.
  - ELECTRICAL SYSTEM SHALL COMPLY WITH ALL APPLICABLE ELECTRICAL CODES, INCLUDING BUT NOT LIMITED TO NEC 555.2 & 555.5.
  - DOCK MANUFACTURER TO REINFORCE STRUCTURE/MODIFY FLOATATION WHERE NEEDED TO SUPPORT UTILITY SYSTEMS.
  - FIRE PEDESTALS LOCATED ALONG RIVER WALL DO NOT REQUIRE ELECTRICAL CONNECTION.
  - CONTRACTOR TO INSTALL DRAIN VALVES AT ENDS OF ALL DOCK MAIN WATER LINES. SLOPE WATER LINES FOR WINTERIZATION.
  - PROVIDE ADDITIONAL LENGTH AND FLEXIBLE CONNECTION AT ENDS OF GANGWAYS/DOCK SECTIONS TO ALLOW FOR MOVEMENT OF RAMP WITH WATER LEVEL FLUCTUATIONS.



NO.	DATE	REVISION

It is a violation of the New York Education Law Article 145, Sec. 2059, for any person, who acts under the authority of a license or certificate, professional engineer, or land surveyor, to alter an item in any way, if it then bearing the seal of an architect, engineer, or land surveyor is altered, the altering contract, engineer, or land surveyor shall affix to the item their seal and notation "altered" by followed by their signature and date of such alteration, and a specific description of the alteration.  
COPYRIGHT © 2013, Labella Associates, P.C.

ISSUED FOR  
**BID**

DRAWING TITLE  
**MARINA UTILITIES & FIRE PROTECTION**

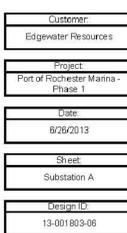
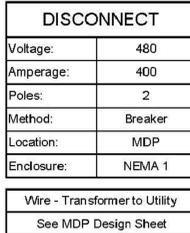
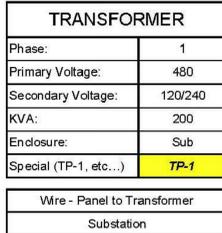
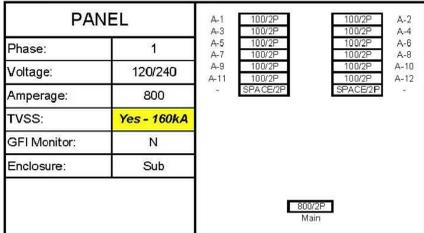
DATE: JULY 22, 2013  
SCALE: 1"=30'  
DESIGNED BY: MCM  
DRAWN BY: CDH  
REVIEWED BY: RES  
PROJECT NUMBER: 210660  
DRAWING NUMBER



**Revised Electrical Design for Edgewater Resources - Port of Rochester Marina - Phase 1**  
**Substation A**

Date: 6/26/2013

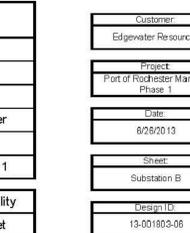
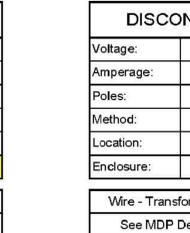
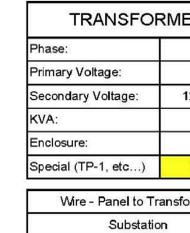
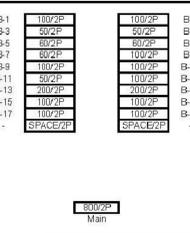
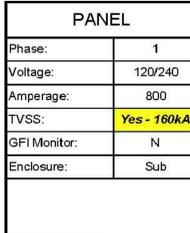
Circuit ID	Phase	Voltage	Receptacle Loads					Total Rec	Total Rec Current	Load Factor	Meter Factor	Conduit Size	Conduit Fill Adj.	Effective Current	Breaker Trip	Breaker Frame	Breaker Poles	Wire Length	Wire Type	Resistance	# of Conductors	Wire Size	Ground Size	Voltage Drop %	
			20A GFI	30A 120V	50A 120/240V	100A 120/240V	100A 120/208V																		
A-1	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	261	10' Cable	0.15	3	#1	Included	2.59%	
A-2	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	215	10' Cable	0.15	3	#1	Included	2.42%	
A-3	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	163	10' Cable	0.18	3	#2	Included	2.69%	
A-4	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	167	10' Cable	0.18	3	#2	Included	2.73%	
A-5	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	87	10' Cable	0.31	3	#4	Included	1.12%	
A-6	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	134	10' Cable	0.18	3	#2	Included	1.91%	
A-7	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	172	10' Cable	0.18	3	#2	Included	2.45%	
A-8	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	215	10' Cable	0.15	3	#1	Included	2.42%	
A-9	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	253	10' Cable	0.15	3	#1	Included	2.94%	
A-10	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	250	10' Cable	0.12	3	#10	Included	1.781%	
A-11	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	0	10' Cable		3		Included	0.00%	
A-12	1	120 / 240	0	0	0	0	0	0	0.0	100%	80%	-	100%	0.0	100	2	2	0	10' Cable		3		Included	0.00%	
Panel	1	120 / 240	0	0	33	0	0	33	1150.0	10%	80%	-	100%	225.5	800	2	2								
Feeder	1	480						575.0					100%	352.3	400	2	2								



**Revised Electrical Design for Edgewater Resources - Port of Rochester Marina - Phase 1**  
**Substation B**

Date: 6/26/2013

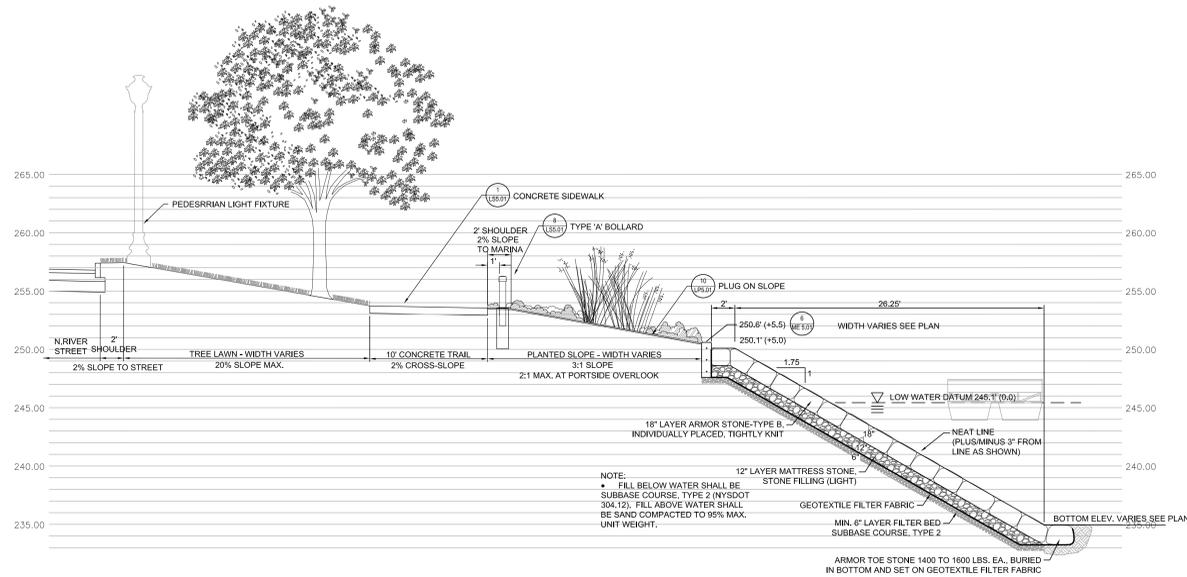
Circuit ID	Phase	Voltage	Receptacle Loads					Total Rec	Total Rec Current	Load Factor	Meter Factor	Conduit Size	Conduit Fill Adj.	Effective Current	Breaker Trip	Breaker Frame	Breaker Poles	Wire Length	Wire Type	Resistance	# of Conductors	Wire Size	Ground Size	Voltage Drop %										
			20A GFI	30A 120V	50A 120/240V	100A 120/240V	100A 120/208V																											
B-1	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	100.0	100%	80%	-	100%	80.0	100	2	2	307	10' Cable	0.1	3	#20	Included	2.39%	
B-2	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	376	10' Cable	0.1	3	#20	Included	2.92%										
B-3	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	355	10' Cable	0.19	3	#2	Included	2.58%										
B-4	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	344	10' Cable	0.19	3	#2	Included	2.45%										
B-5	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	317	10' Cable	0.18	3	#2	Included	2.71%										
B-6	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	285	10' Cable	0.19	3	#2	Included	2.44%										
B-7	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	247	10' Cable	0.19	3	#2	Included	2.11%										
B-8	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	215	10' Cable	0.15	3	#1	Included	2.42%										
B-9	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	172	10' Cable	0.18	3	#2	Included	2.45%										
B-10	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	124	10' Cable	0.31	3	#4	Included	2.87%										
B-11	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	81	10' Cable	0.78	3	#6	Included	2.36%										
B-12	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	70	10' Cable	0.31	3	#4	Included	1.82%										
B-13	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	61	10' Cable	0.12	3	#10	Included	0.82%										
B-14	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	270	10' Cable	0.077	3	#50	Included	1.47%										
B-15	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	274	10' Cable	0.12	3	#10	Included	1.28%										
B-16	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	328	10' Cable	0.12	3	#10	Included	1.48%										
B-17	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	0	10' Cable		3		Included	0.00%										
B-18	1	120 / 240	0	0	0	0	0	0	0.0	100%	80%	-	100%	0.0	100	2	2	0	10' Cable		3		Included	0.00%										
Panel	1	120 / 240	0	0	12	24	0	36	1380.0	50%	80%	-	100%	621.0	800	2	2																	
Feeder	1	480						880.0					100%	310.5	400	-	-																	



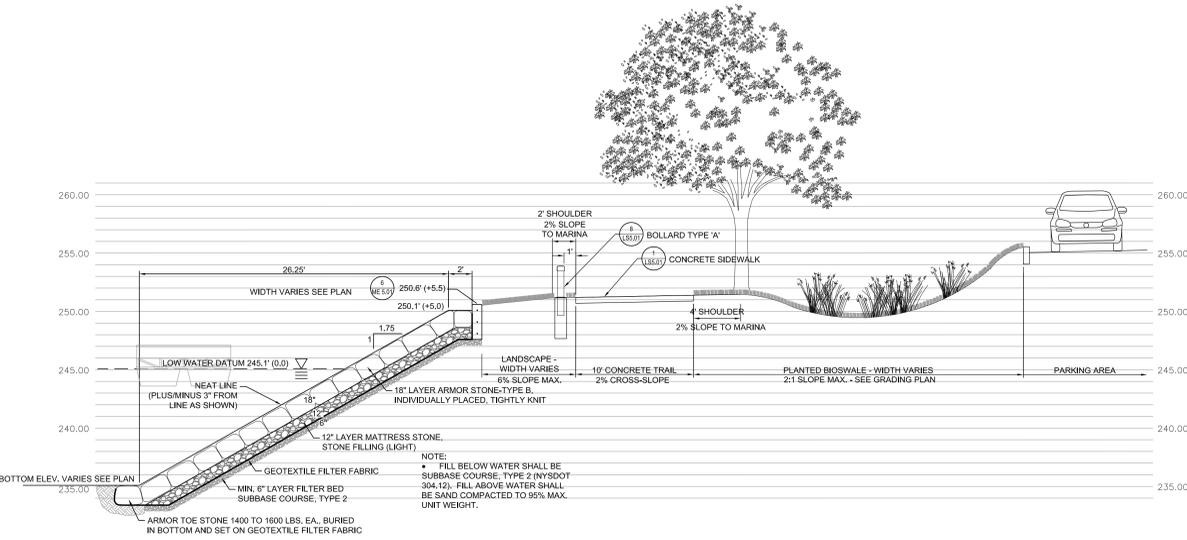
**Revised Electrical Design for Edgewater Resources - Port of Rochester Marina - Phase 1**  
**Substation C**

Date: 6/26/2013

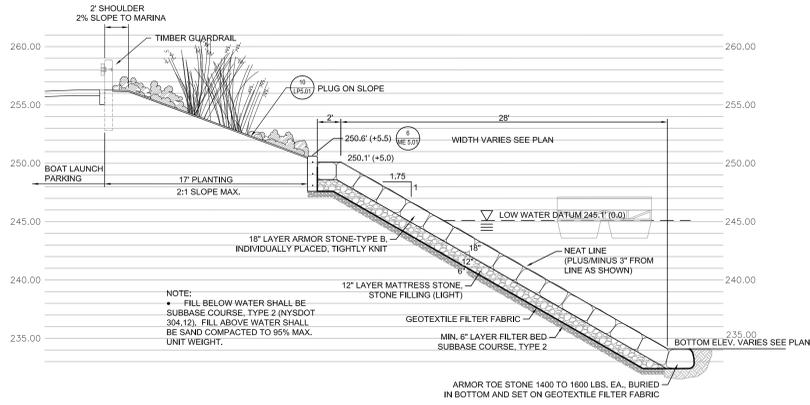
Circuit ID	Phase	Voltage	Receptacle Loads					Total Rec	Total Rec Current	Load Factor	Meter Factor	Conduit Size	Conduit Fill Adj.	Effective Current	Breaker Trip	Breaker Frame	Breaker Poles	Wire Length	Wire Type	Resistance	# of Conductors	Wire Size	Ground Size	Voltage Drop %
			20A GFI	30A 120V	50A 120/240V	100A 120/240V	100A 120/208V																	
C-1	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	468	10' Cable	0.077	3	#30	Included	2.39%
C-2	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	468	10' Cable	0.077	3	#30	Included	2.39%
C-3	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	278	10' Cable	0.1	3	#20	Included	2.62%
C-4	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	380	10' Cable	0.1	3	#20	Included	2.70%
C-5	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	328	10' Cable	0.18	3	#2	Included	2.34%
C-6	1	120 / 240	0	0	1	0	0	1	50.0	100%	80%	-	100%	45.0	100	2	2	317	10' Cable	0.18	3	#2	Included	2.30%
C-7	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	250	10' Cable	0.12	3	#10	Included	2.52%
C-8	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	242	10' Cable	0.15	3	#1	Included	2.72%
C-9	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	224	10' Cable	0.18	3	#2	Included	2.91%
C-10	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	161	10' Cable	0.18	3	#2	Included	2.30%
C-11	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	124	10' Cable	0.46	3	#6	Included	2.79%
C-12	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	48	10' Cable	0.46	3	#6	Included	1.98%
C-13	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	48	10' Cable	0.78	3	#6	Included	1.76%
C-14	1	120 / 240	0	0	4	0	0	4	80.0	100%	80%	-	100%	64.0	100	2	2	37	10' Cable	0.18	3	#8	Included	1.13%
C-15	1	120 / 240	0	0	4	0	0	4	200.0	100%	80%	-	100%	160.0	200	2	2	160	10' Cable	0.12	3	#10	Included	2.52%
C-16	1	120 / 240	0	0	4	0	0	4	200.0	100%	80%	-	100%	160.0	200	2	2	247	10' Cable	0.077	3	#50	Included	2.68%
C-17	1	120 / 240	0	0	2	0	0	2	100.0	100%	80%	-	100%	80.0	100	2	2	301	10' Cable	0.12	3	#10	Included	2.71%
C-18	1	120 / 240	0	0	2	0	0	2	100.0	100%</														



**2** SECTION 2  
SCALE: N.T.S.

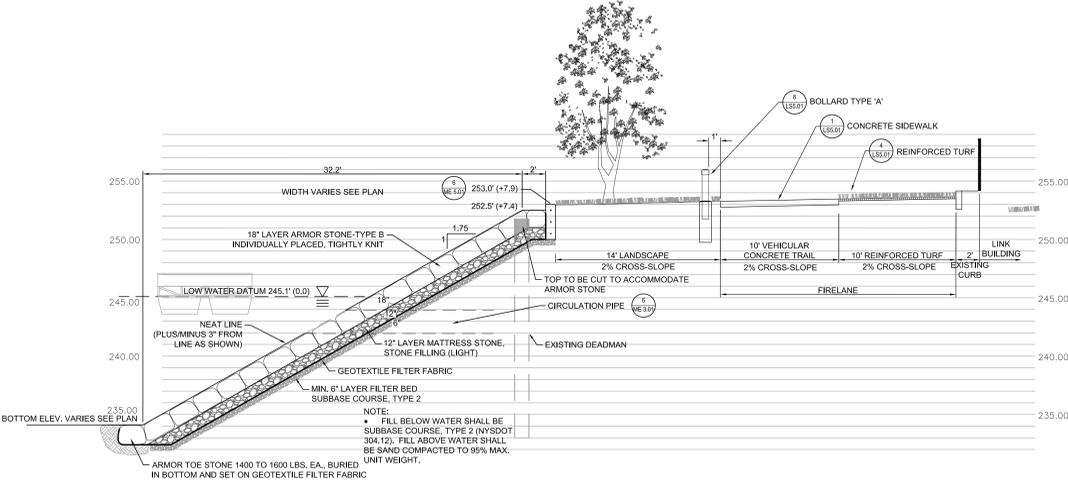


**1** SECTION 1  
SCALE: N.T.S.



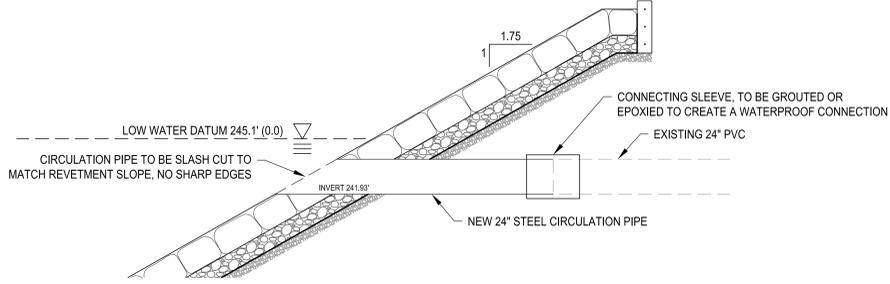
**4** SECTION 4  
SCALE: N.T.S.

**3** SECTION 3  
SCALE: N.T.S.



**5** SECTION 5  
SCALE: N.T.S.

**6** SOUTH CIRCULATION PIPE PENETRATION  
SCALE: 1/4"=1'-0"



NOTES:  
1. ALL ELEVATIONS ARE IN REFERENCE TO CITY OF ROCHESTER DATUM.  
CONVERSION TO CITY OF ROCHESTER DATUM:  
NAV'D '88 ADD 1.75'  
IGLD '85 ADD 1.83'

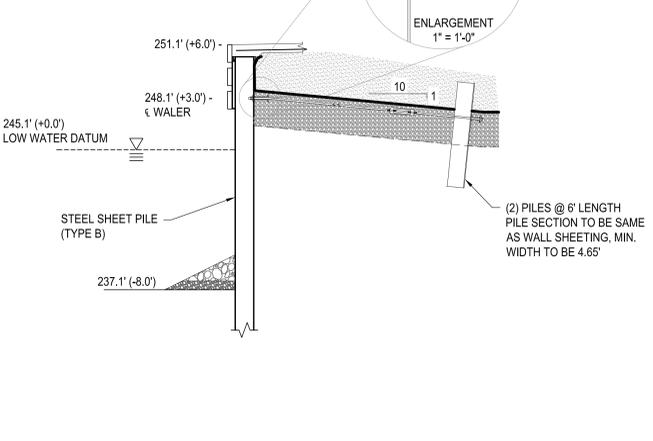
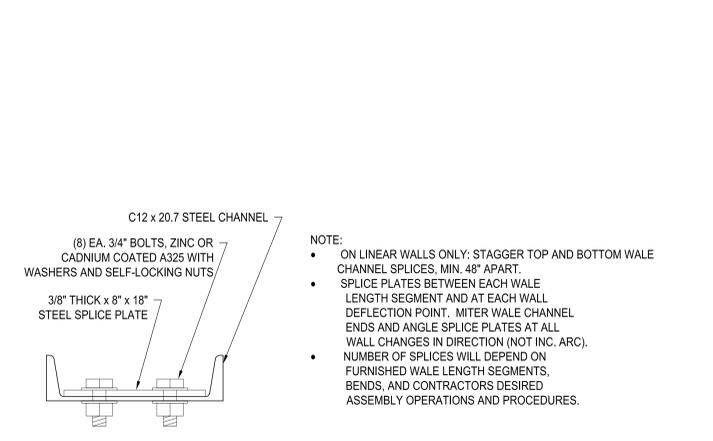
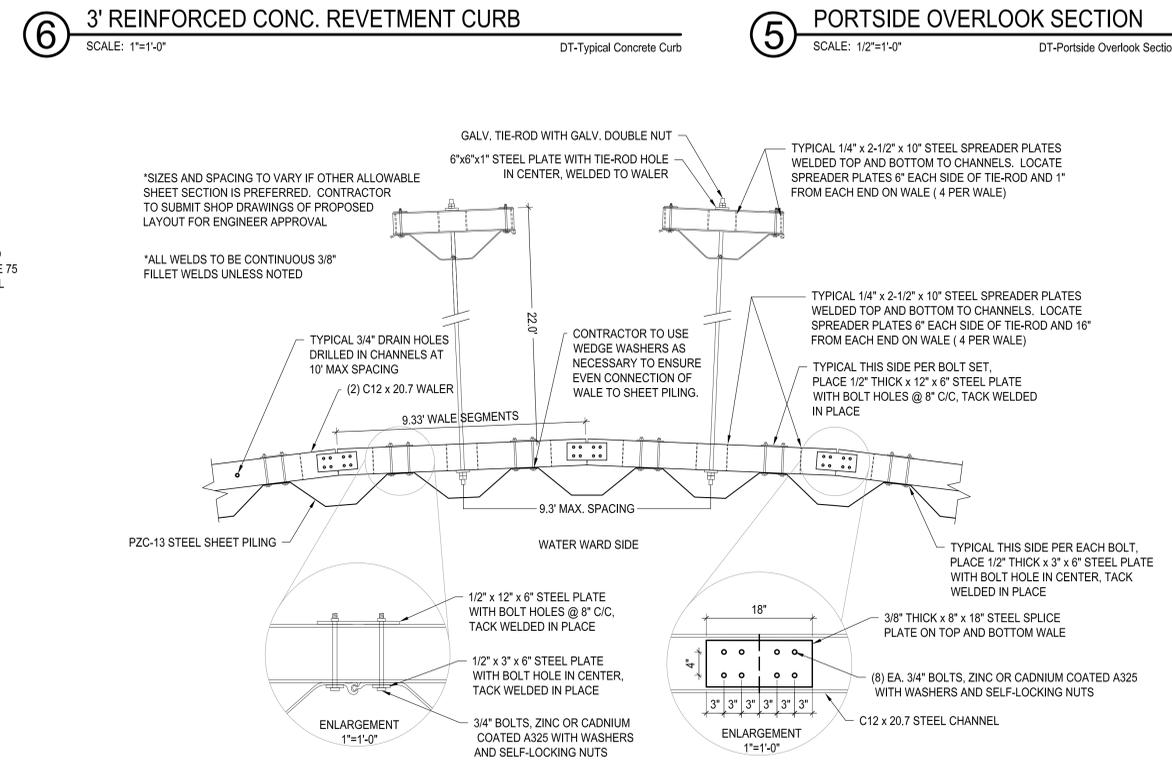
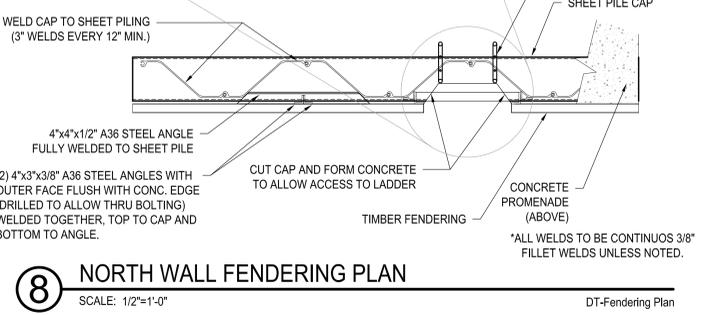
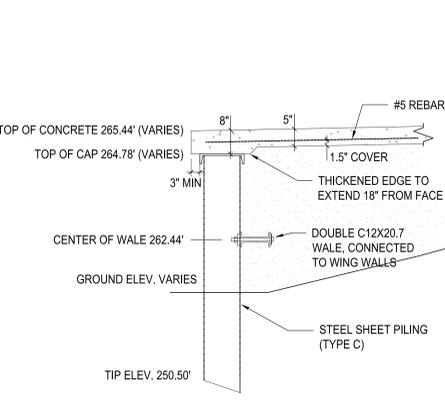
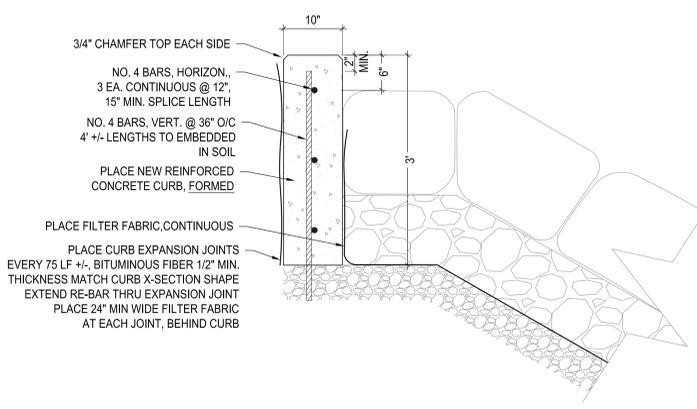
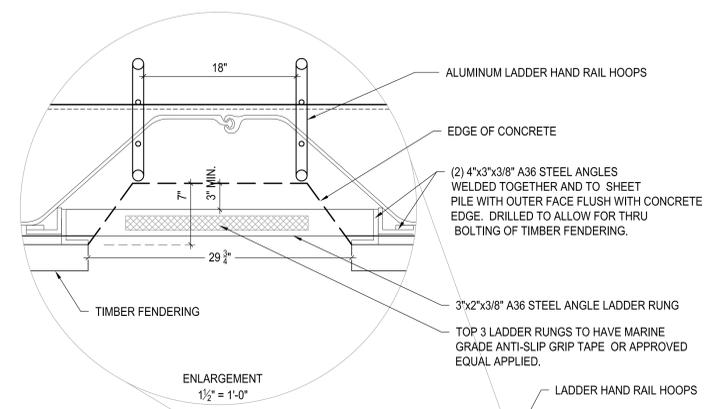
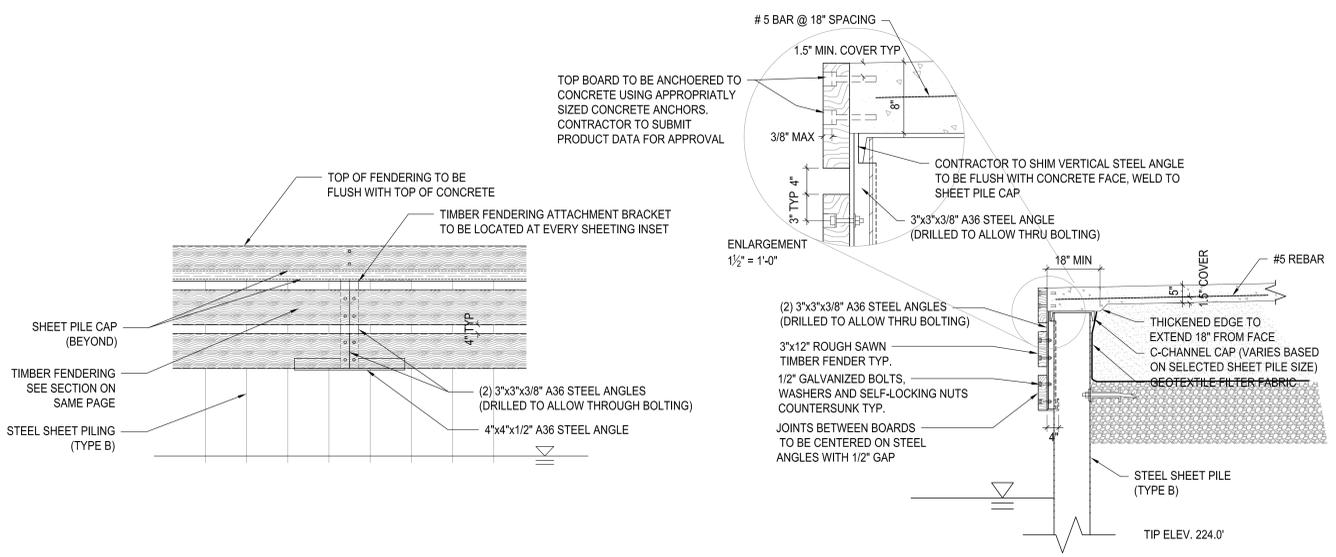


NO.	DATE	REVISION

ISSUED FOR  
**BID**

DRAWING TITLE  
**COMBINED SECTIONS**

DATE:	JULY 22, 2013
SCALE:	VARIABLE
DESIGNED BY:	MCM
DRAWN BY:	CDH
REVIEWED BY:	RES
PROJECT NUMBER:	210660
DRAWING NUMBER:	

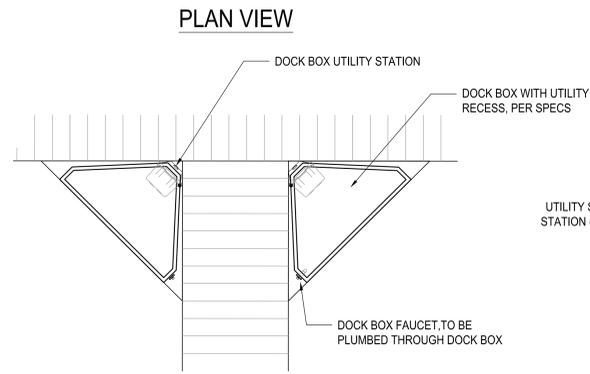


NO.	DATE	REVISION

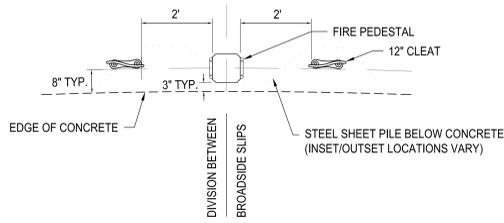
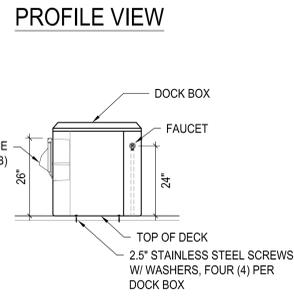
ISSUED FOR  
**BID**

DRAWING TITLE  
**MARINA BASIN  
DETAILS**

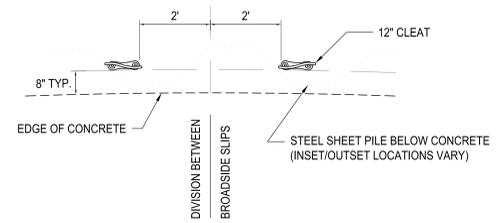
DATE:	JULY 22, 2013
SCALE:	VARIABLE
DESIGNED BY:	MCM
DRAWN BY:	CDH
REVIEWED BY:	RES
PROJECT NUMBER:	210660
DRAWING NUMBER:	



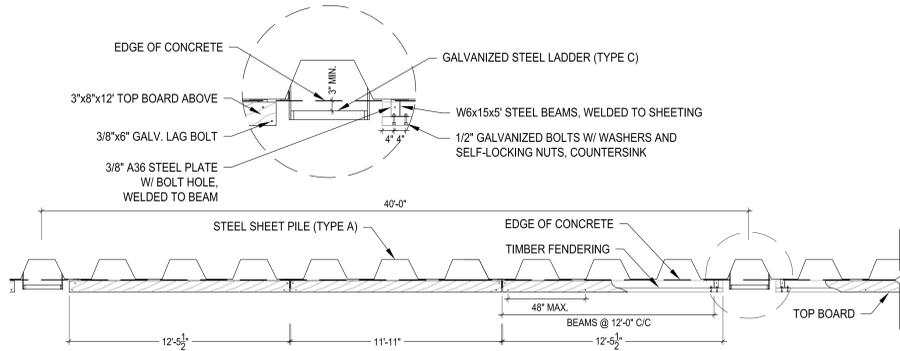
**3** TYPICAL DOCK BOX  
SCALE: 1/2"=1'-0"



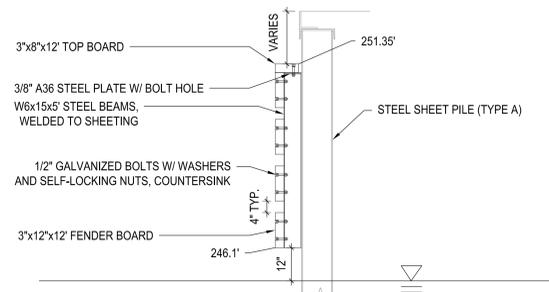
**2** FIRE PEDESTAL ARC LAYOUT  
SCALE: 1/2"=1'-0"



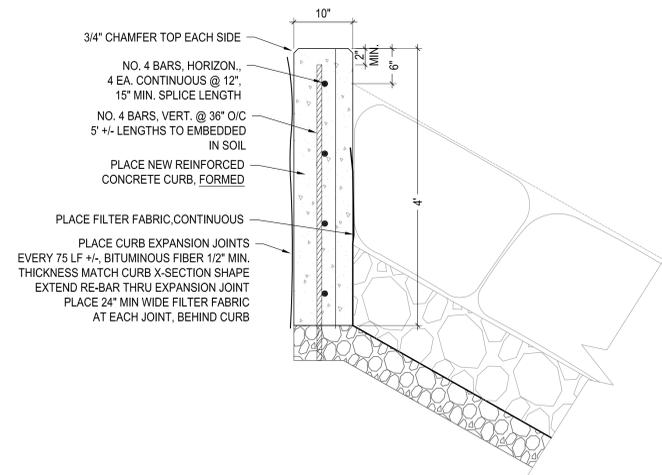
**1** CLEAT ARC LAYOUT  
SCALE: 1/2"=1'-0"



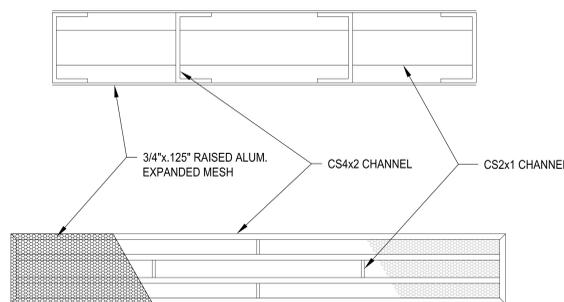
**6** ENTRANCE FENDERING DETAIL  
SCALE: 1/4"=1'-0"



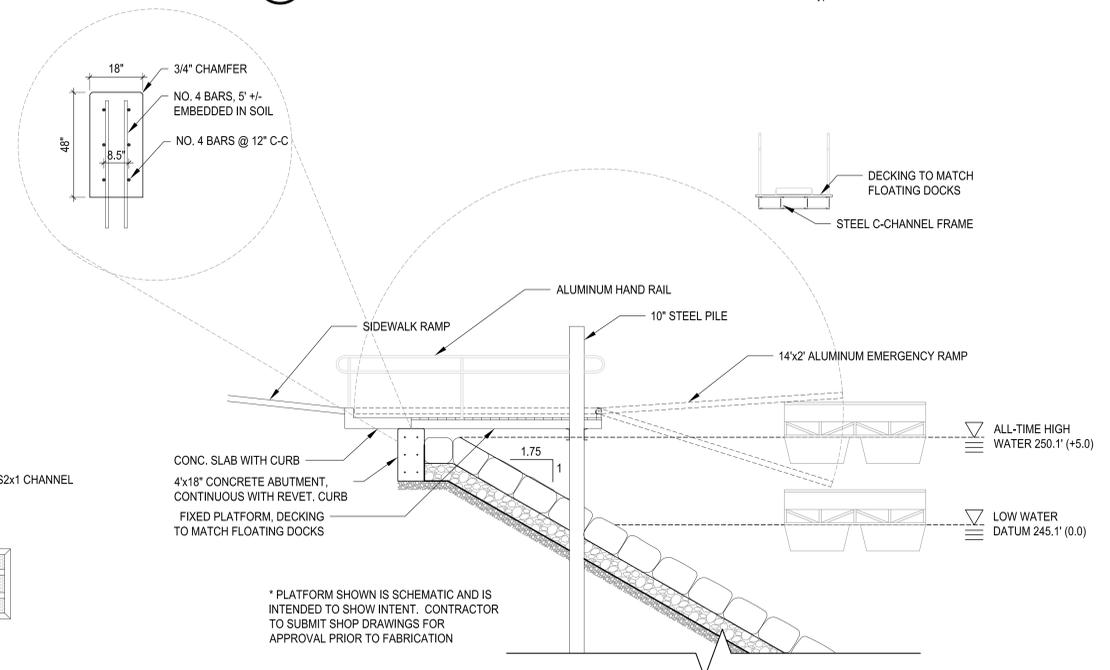
**5** ENTRANCE FENDERING SECTION  
SCALE: 1/2"=1'-0"



**4** 4' REINFORCED CONC. REVETMENT CURB  
SCALE: 1"=1'-0"



**8** EMERGENCY ACCESS RAMP  
SCALE: 1/4"=1'-0"



**7** EMERGENCY ACCESS PLATFORM  
SCALE: 1/4"=1'-0"



PROJECT/CLIENT

**PORT OF ROCHESTER  
MARINA DEVELOPMENT  
PROJECT**  
ROCHESTER, NY



City of Rochester

NO.	DATE	REVISION

If this is a bid for New York State Contract Documents, the contractor shall verify with the architect all dimensions, quantities, materials, and methods of construction, and shall be responsible for any errors or omissions in the contract documents, and shall be held liable for any errors or omissions in the contract documents, and shall be held liable for any errors or omissions in the contract documents.

ISSUED FOR

BID

DRAWING TITLE

**MARINA BASIN  
DETAILS**

DATE: JULY 22, 2013

SCALE: VAPRES

DESIGNED BY: MCM

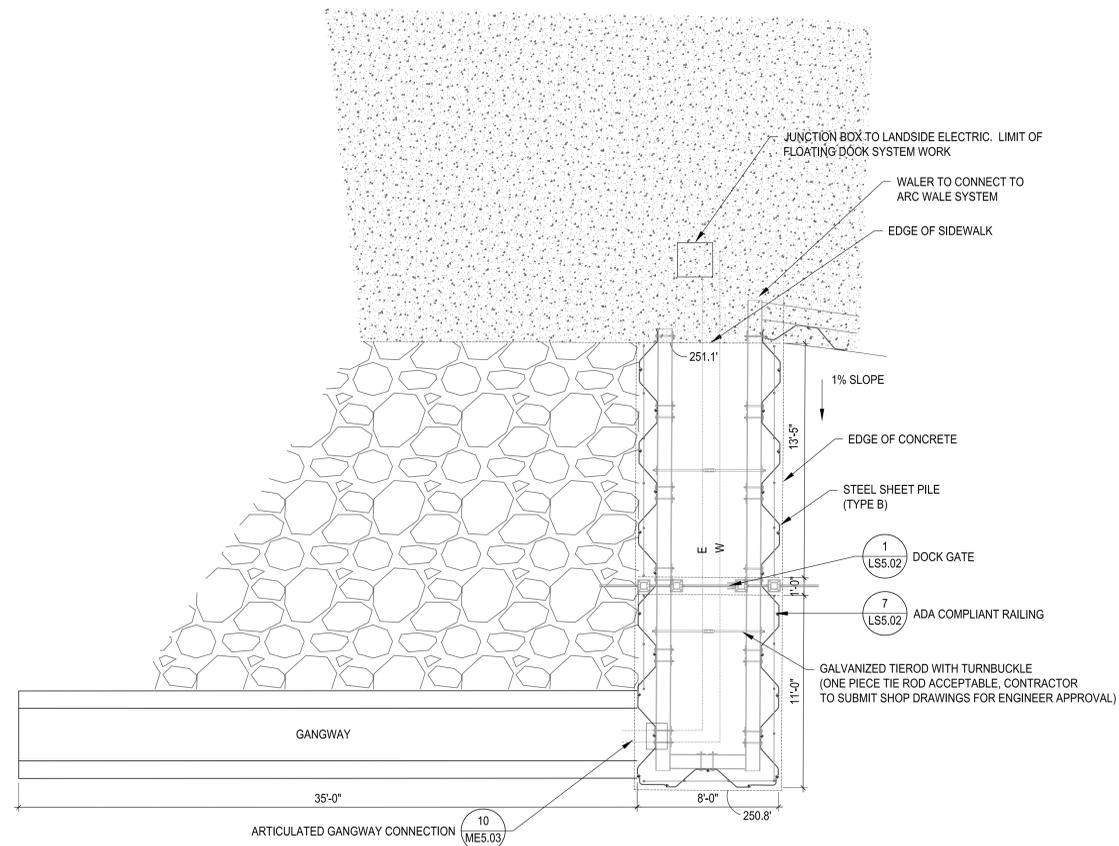
DRAWN BY: CDH

REVIEWED BY: RES

PROJECT NUMBER: 210660

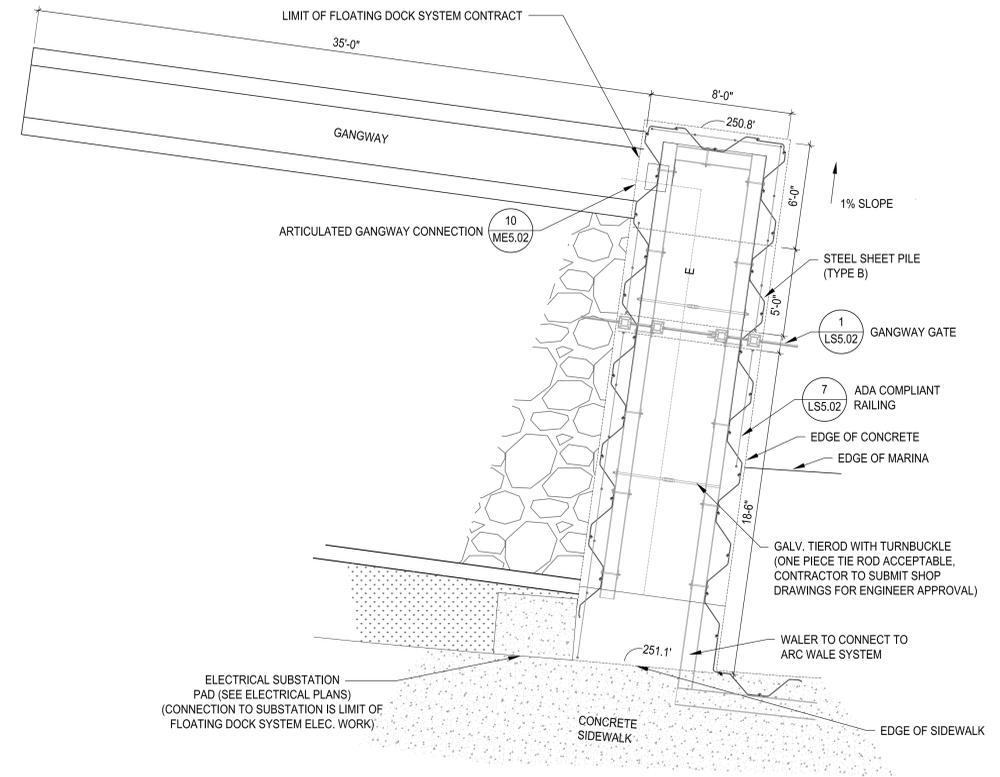
DRAWING NUMBER





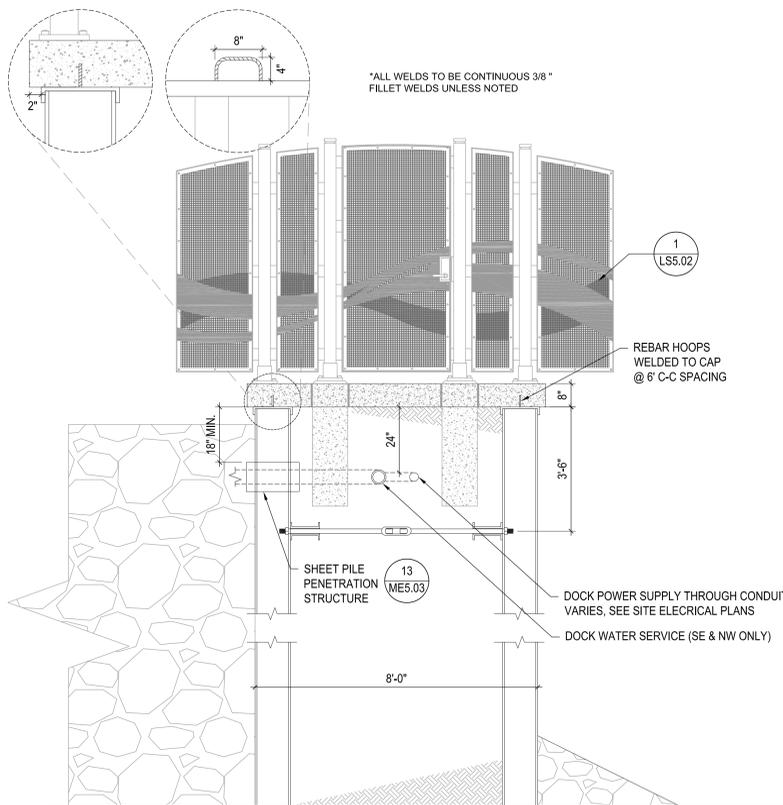
**2** GANGWAY PLATFORM NW

SCALE: 1/4"=1'-0"



**1** GANGWAY PLATFORM NE

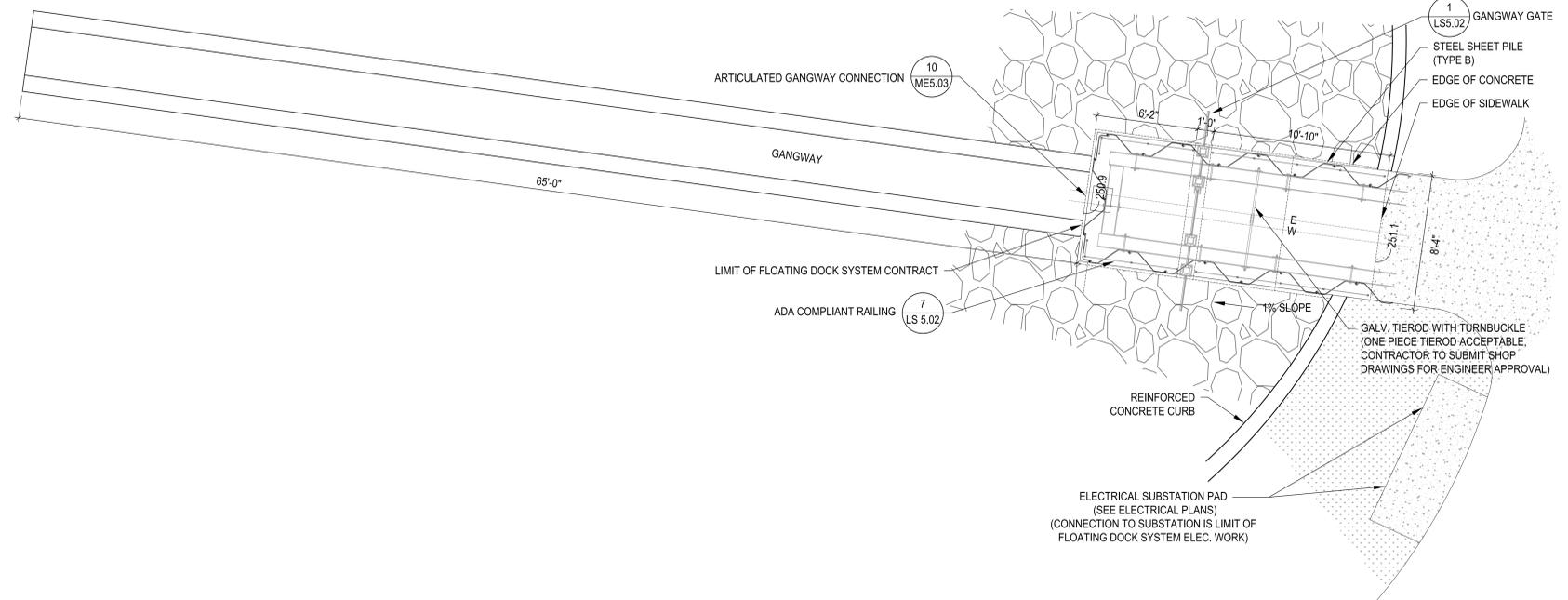
SCALE: 1/4"=1'-0"



**4** GANGWAY PLATFORM TYPICAL SECTION

SCALE: 1/2"=1'-0"

TYPICAL (3 GANGWAYS) GAP IN RAILING SYSTEM TO BE COORDINATED BETWEEN CONTRACT 1 CONTRACTOR AND FLOATING DOCKAGE SYSTEM CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FOR GANGWAY.



**3** GANGWAY PLATFORM SE

SCALE: 1/4"=1'-0"

NO.	DATE	REVISION

ISSUED FOR  
**BID**

DRAWING TITLE  
**GANGWAY PLATFORM ENLARGEMENTS**

DATE:	JULY 22, 2013
SCALE:	VARIABLES
DESIGNED BY:	MCM
DRAWN BY:	CDH
REVIEWED BY:	RES
PROJECT NUMBER:	210660

DRAWING NUMBER

**ME 5.04**

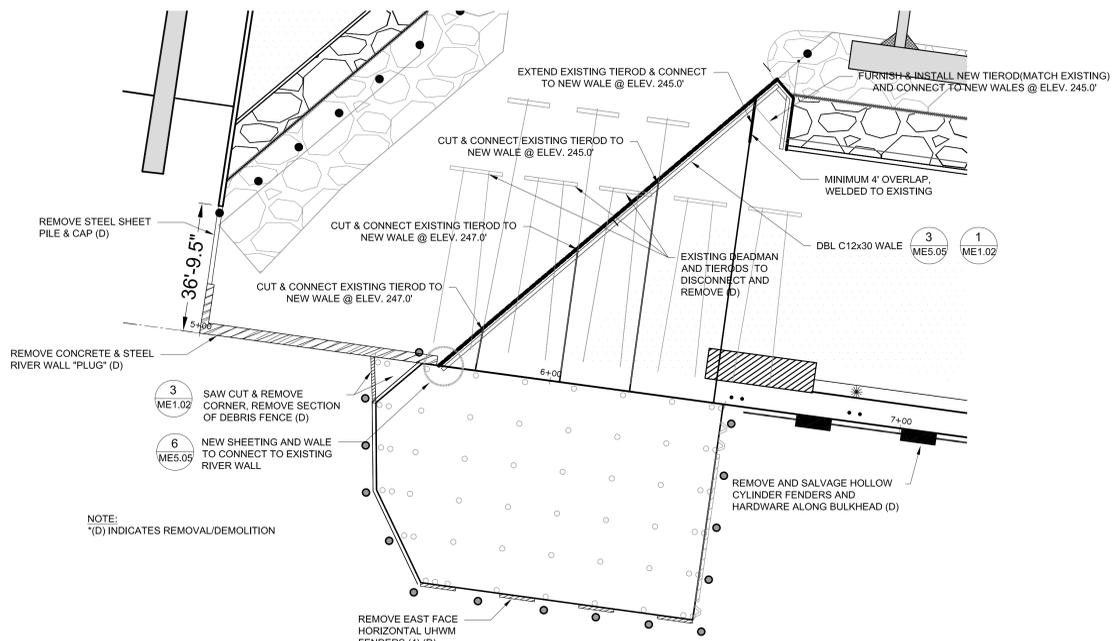


PROJECT/CLIENT

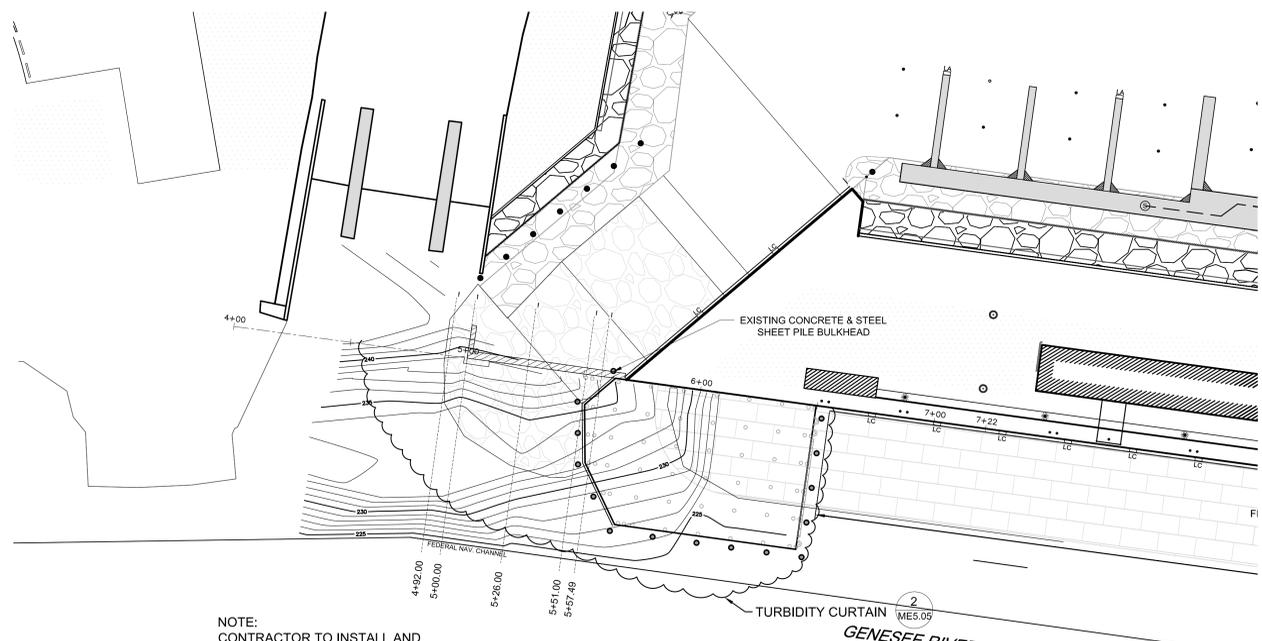
**PORT OF ROCHESTER  
MARINA DEVELOPMENT  
PROJECT**  
ROCHESTER, NY



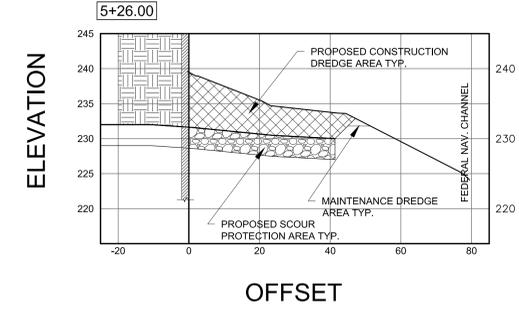
City of Rochester



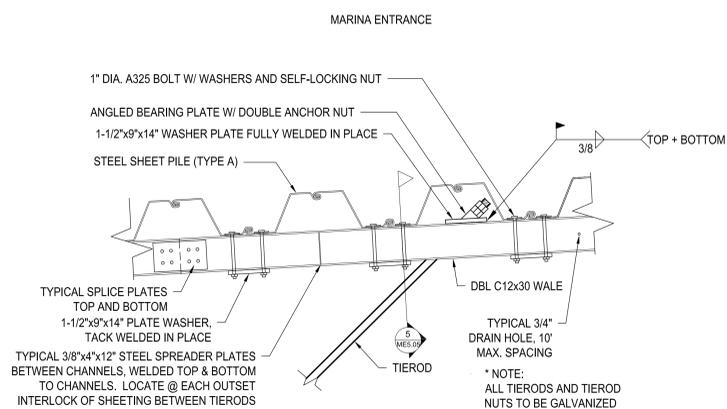
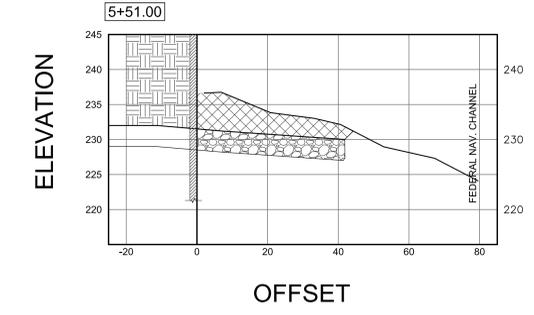
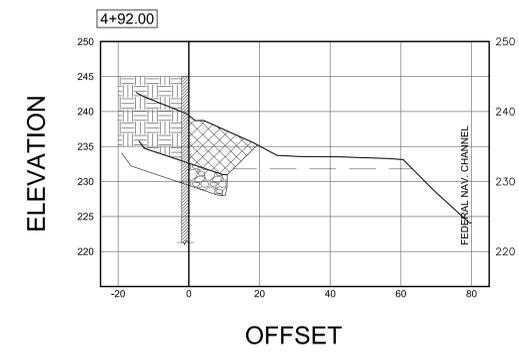
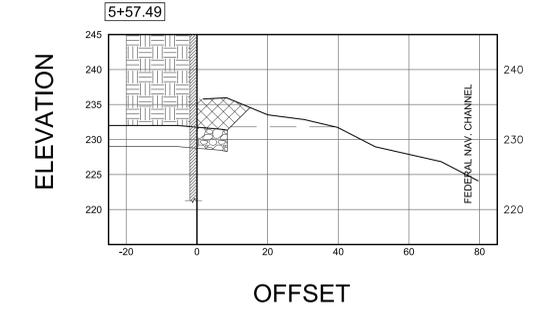
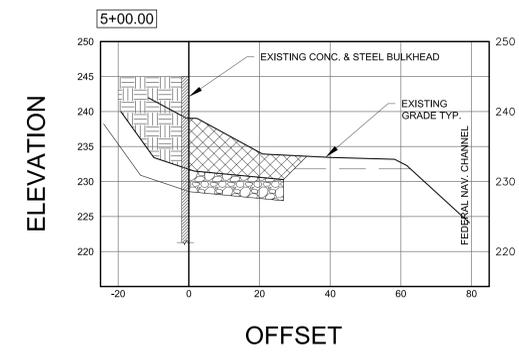
**1 ENTRANCE ENLARGMENT**  
SCALE: 1"=20'



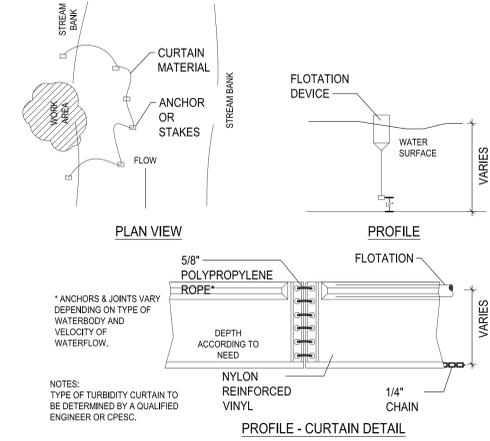
NOTE:  
CONTRACTOR TO INSTALL AND MAINTAIN TURBIDITY CURTAIN.  
CONTRACTOR TO PRESERVE ACCESS TO AT LEAST ONE BOAT LAUNCH RAMP THROUGHOUT PROJECT.



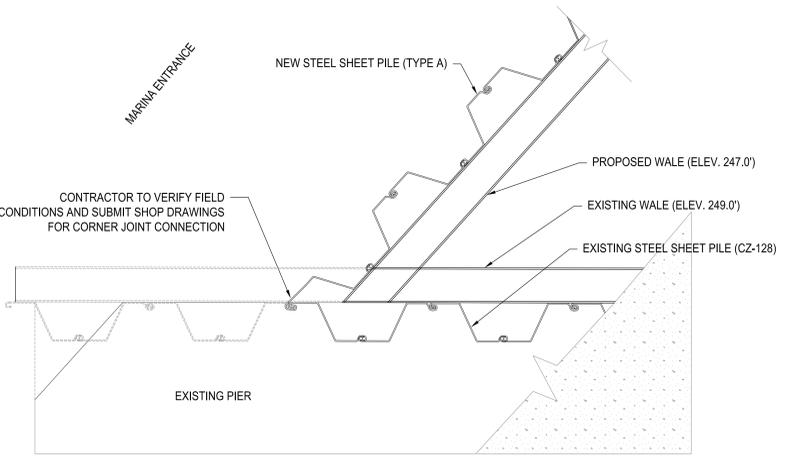
NOTE: CROSS-SECTIONS ARE EXAGGERATED IN VERTICAL DIRECTION  
HORIZONTAL SCALE: 1"=40'  
VERTICAL SCALE: 1"=20'



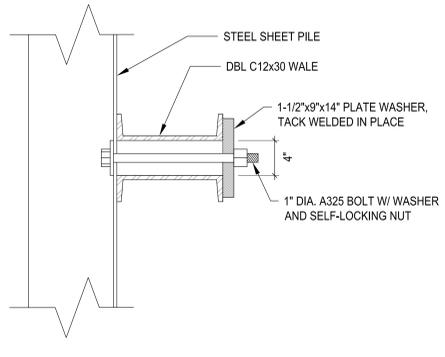
**3 TYPICAL ENTRANCE TIEROD CONNECTION**  
SCALE: 1/2"=1'-0"



**2 TURBIDITY CURTAIN**  
SCALE: 1/16"=1'-0"



**6 ENTRANCE CORNER DETAIL**  
SCALE: 1/2"=1'-0"



**5 ENTRANCE SHEETING/WALE CONNECTION**  
SCALE: 1/16"=1'-0"

**4 ENTRANCE CONTOURS AND CROSS-SECTIONS**  
SCALE: 1"=20'

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

ISSUED FOR  
**BID**

DRAWING TITLE  
**MARINA ENTRANCE  
DETAILS & DREDGE PLAN**

DATE:	JULY 22, 2013
SCALE:	VARIABLES
DESIGNED BY:	MCM
DRAWN BY:	CDH
REVIEWED BY:	RES
PROJECT NUMBER:	210660
DRAWING NUMBER:	

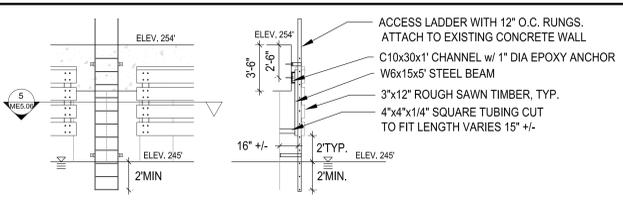


PROJECT/CLIENT

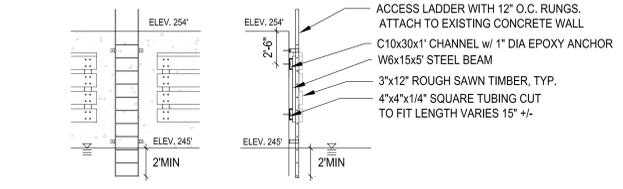
**PORT OF ROCHESTER  
MARINA DEVELOPMENT  
PROJECT**  
ROCHESTER, NY



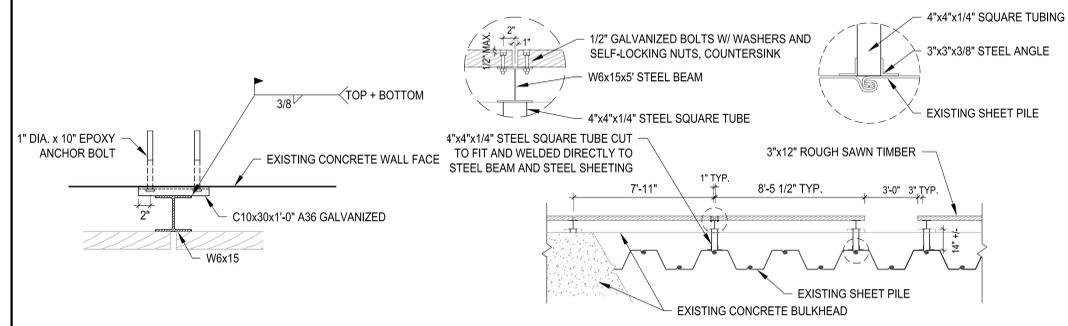
City of Rochester



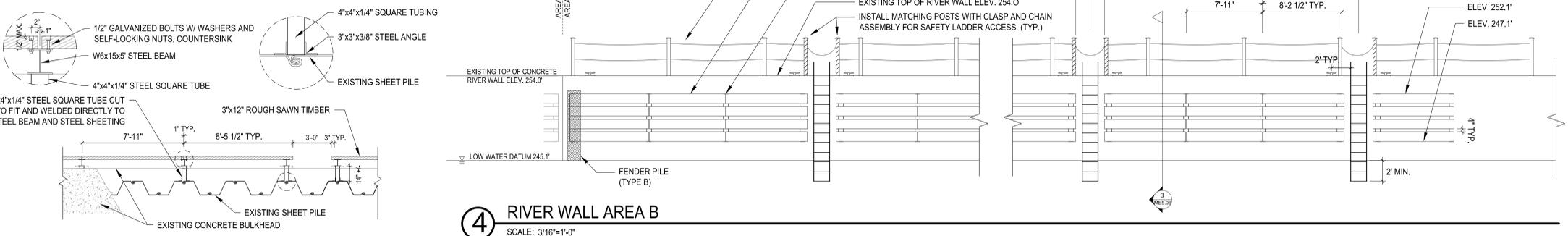
**2 AREA-A LADDER**  
SCALE: 3/16"=1'-0"



**3 AREA-B LADDER**  
SCALE: 3/16"=1'-0"



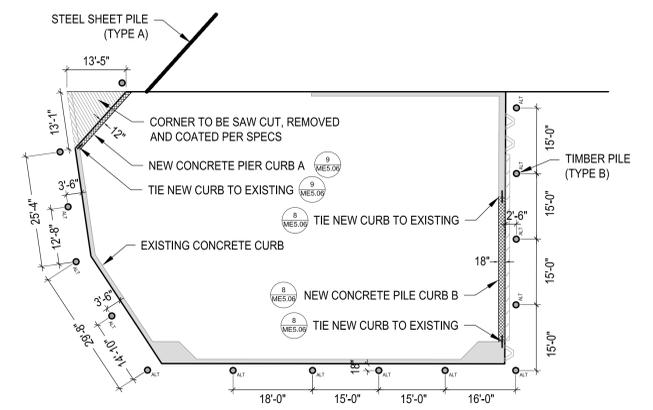
**6 RIVER WALL AREA B CONNECTION**  
SCALE: 1"=1'-0"



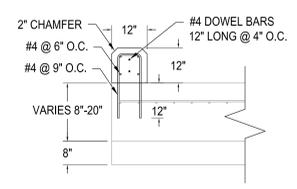
**5 RIVER WALL AREA A SECTION**  
SCALE: 1/4"=1'-0"

**1 RIVER WALL AREA A**  
SCALE: 3/16"=1'-0"

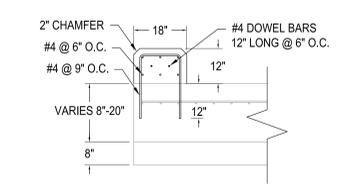
**4 RIVER WALL AREA B**  
SCALE: 3/16"=1'-0"



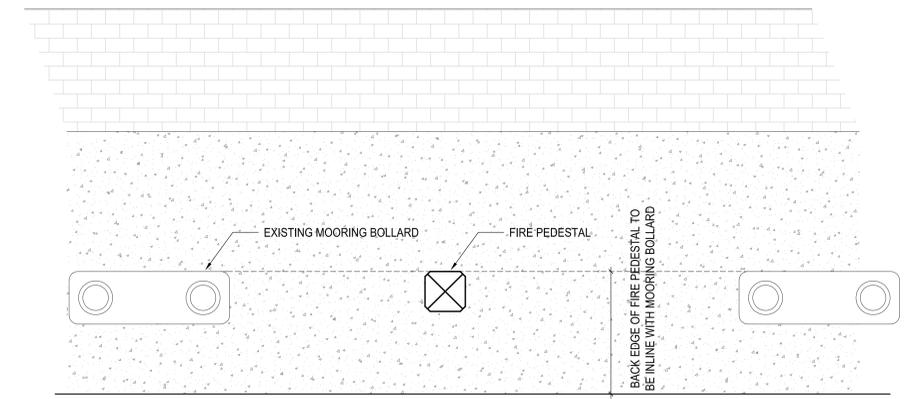
**10 LOADING PIER DETAIL**  
SCALE: 1/16"=1'-0"



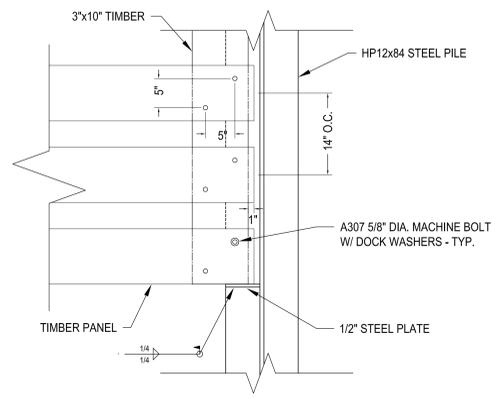
**9 PIER CURB A DETAIL**  
SCALE: 1/2"=1'-0"



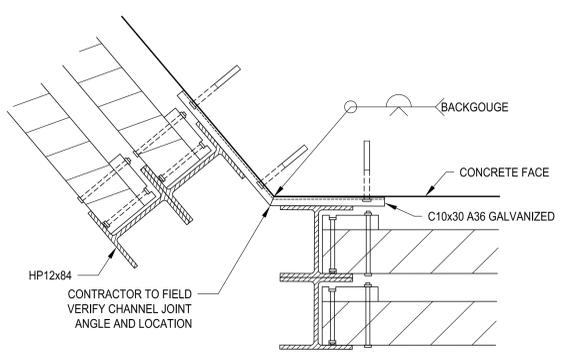
**8 PIER CURB B DETAIL**  
SCALE: 1/2"=1'-0"



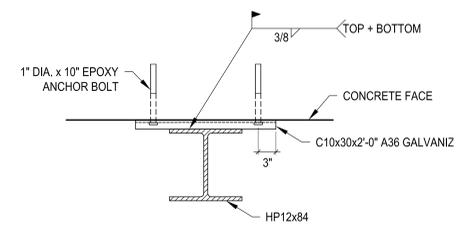
**7 RIVER WALL RIVER FIRE PEDESTAL DETAIL**  
SCALE: N.T.S.



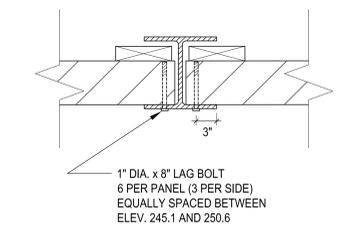
**14 PANEL SUPPORT PLATE AND BOLTING DETAIL**  
SCALE: 1"=1'-0"



**13 CORNER DETAIL**  
SCALE: 1"=1'-0"



**12 PILE TO PIER CONNECTION**  
SCALE: 1"=1'-0"



**11 PANEL CONNECTION - TYP.**  
SCALE: 1"=1'-0"

NO.	DATE	REVISION

ISSUED FOR  
**BID**

DRAWING TITLE  
**RIVER WALL & PIER  
DETAILS**

DATE:	JULY 22, 2013
SCALE:	VARIABLES
DESIGNED BY:	MCM
DRAWN BY:	CDH
REVIEWED BY:	RES
PROJECT NUMBER:	210660
DRAWING NUMBER:	

