



ADDENDUM TO THE CONTRACT

for the

DOWNTOWN WATERFRONT CORROSION CONTROL REPAIRS

Contract No. E16-164

ADDENDUM NO.: THREE

CURRENT DEADLINE FOR BIDS:
March 1, 2016

PREVIOUS ADDENDA: TWO

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

DATE ADDENDUM ISSUED:

February 23, 2016

The following items of the contract are modified as herein indicated. All other items remain the same. This is a faxed addendum. A confirming copy will not be mailed to you. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at:

<http://www.juneau.org/engineering ftp/contracts/Contracts.php>

CLARIFICATIONS – BASED ON EMAILS AND QUESTIONS AT THE PRE-CONSTRUCTION CONFERENCE, HELD ON 2/17/16. Responses written by Jack Tinnea, PE – Tinnea Associates, Seattle, WA.

1. "C004 – Pile Schedule – 1 jacketed, sheets 301/302 shows 2 piles. Which is it?"
Response: Changed C004 Add 2 dwg to show 2 piles to agree with Line E.5 shown on sheet C302.
2. "C302 – E.5, will bidder need to go down 4' or can we go down to 3'?" Believe the question related to the specs, 02455, 3.5 F 3a, that said no jackets could be shorter than 4'.
Response: Changed the spec to allow for this.
3. "What are the work hours?"
Response: Article 6 – 6.19 in the General Conditions (Page 00700-23) specifies the work hours and limitations. Per Section Work Hrs. 7am-10pm or by application to CBJ Community Development Department's permit officer for work outside these times.
4. "02455 Pile Wrap Jacketing – B – 7 – is third party coating inspector required?"
Response: No, a coating inspector will not be required. Deleted that and B1c, but kept 1.3 MFR's Representative.

5. "Can Site Safety Officer perform work?"
Response: Contractor must comply with all required Federal and State regulations. It is the Contractor's responsibility to understand and comply.
6. C403 – Elevation 1 – said we would remove the requirement for the re-coat of all flange faces.
Response: The coating notation is deleted on C403.
7. Depth on digging – cluster piles. I believe we noted the downhill pile as the point of reference.
Response: My notes said each pile needed to be buried 2½ feet. To me it sounded like they were looking at burying the uphill pile 2.5 feet and set the bottoms of the downhill piles at the same level, which would be about grade for the middle pile, and 2-3 feet above grade for the downhill pile. That's not acceptable; logs or other flotsam could then hook under the jacket and damage it.
8. Contractor storage area over Summer 2016?
Response: To be coordinated with CBJ at Thane Warehouse parking area, South of the worksite. This will be assigned during the Pre-Construction conference after the bid. It will be the Contractor's responsibility to provide secure, locked storage.
9. Do we need to further clarify that gabion wall is not to be touched on pile 10 to get the 2 ½ feet?
Response: See revised notes on C403.
10. Load limits on lightering dock?
Response: Harbors has provided that to me. It's a 30'x45' float and the max working load we're comfortable with is 50lbs/sf.
11. On Sheets C302 & C303 –What is the size of the existing bond wires that may have to be relocated?
Response: Refer to As-Built drawings, provided on CBJ Engineering Contract's website.
12. Can we use a mechanical connection or does the relocated wire need to be exothermically welded?
Response: Exothermic welds. Sheets C302 & C303 have been revised.
13. Is there an estimated number of existing bonds that will need to be relocated in order to bid equally?
Response: No, depends if they will create a problem with proper installation of the jacket as configured by the Contractor.
14. Sheet C402 – Please clarify if coating is of exposed flanges and non-jacketed piles is required.
Response: Sheets C402 & C403 have been revised to delete the coating notations.
15. Sheet CP101 – Please confirm length of anode sled, plans show 74' and not 74".
Response: 74" is correct, Sheet CP101 has been revised.

16. Sheet C501 – It appears there is a cap on top of the pile jacket to hold in the foam but it is not referenced.
Response: There is no cap
17. Sheet C204 – Please confirm if recoating is necessary and provide an estimated square footage for equal bidding.
18. Sheet C204 has been revised to delete the coating notations.
19. Sheet C004 – Please confirm the quantities of pile jackets in the BOM and their length. See revisions to Sheet C004.
20. Sheet C004 – Please provide the distance of the anode sleds from shore and confirm the quantities in the BOM.
21. As stated, there are two sleds. The sheathing, which runs from the conduit to each of the sleds is 115'. The sleds are to be placed in the location shown in Sheet C201, approximately 113' from the base of the conduit (deduct 1' embedded in the sled and 1' embedded in the conduit). In each sheath are run two (2) AWG#6 HWMPE cables. Those cables are to be run continuous, with no splices, from the sleds to the pull box shown in Elevation 1 of Sheet C203. We estimated 560' of #6 wire (4 ea × 140 = 560'). If a Contractor chose, when building the sleds they could cut each of those cables at 150' each, 600' total, and make sure after sled placement there was a bit extra cable to insure the cable would reach the box.
22. MESA is proposing an alternate sled design that would include 5 aluminum anodes @ 175# each for a total of 875 lbs, so that we can utilize an existing frame design. See attached example. Would this be acceptable?
Response: That mod would be okay. Added note to Detail 1 of CP101 re: dim changes.

PROJECT MANUAL:

Item No. 1 SECTION 01520 – SECURITY, **Add** the following Paragraph:

1.3 INSTALLATION OF SECURITY FENCING

The Contractor will be required to furnish and install chain link or solid security fencing at the South waterfront access point. Fencing to be attached to existing wood pilings and be of sufficient height to keep out trespassers. Install swinging access gate with hasp and install a keyed padlock. This security fence is intended to become permanent after completion of the Work.

Item No. 2 SECTION 01560 - TEMPORARY ENVIRONMENTAL CONTROLS, **Delete in its entirety and replace with** SECTION 01560 - TEMPORARY ENVIRONMENTAL CONTROLS labeled Addendum No. 3, dated February 23, 2016.

- Item No. 3 SECTION 01025 – MEASUREMENT AND PAYMENT, PART 1 - GENERAL, Article 2.7 REMOVAL OF UNFORESEEN STRUCTURES AND OBSTRUCTIONS, **Delete** and **replace** with the following:

2.7 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Note: Refer to Photo Report titled "CBJ CORROSION CONTROL PROJECT –H-PILE PHOTOS" compiled by the Engineer, Tinnea & Associates, located on the CBJ Engineering Contracts website: http://www.juneau.org/engineering_ftp/contracts/Contracts.php

- A. The CONTRACTOR's bid price shall include the costs of removal of six abandoned timber piles under the Downtown Parking Garage and Library.
- B. The CONTRACTOR's bid price shall include the costs of removal of welded bars present near the pile cap at A7 in the plans, and any incidental hooks, rings, or fittings that are artifacts from previous construction work.
- C. The CONTRACTOR's bid price shall include the cost to remove rocks cemented to piles, such as those present on line F.5.
- D. Bidders are to refer also to SECTION 02455 - PILE WRAP AND JACKETING Part 3-Execution, 3.5 PILE JACKET INSTALLATION, H. OBSTRUCTIONS per Addendum #3 Item 3 Paragraphs 1-10.

- Item No. 4 SECTION 02455 PILE WRAP AND JACKETING, PART 1 – GENERAL Article 1.1 DESCRIPTION OF WORK, Paragraph B. General Requirements, **Delete** the following Sentences **in their entirety**:

Sentence 1. c. "Third party inspection of the prepared surface."

Sentence 7. "CONTRACTOR shall provide a third party Coating Inspector(s) who holds a current certification as a NACE Level 3 Coating Inspector."

- Item No. 5 SECTION 02455 PILE WRAP AND JACKETING, PART 3 – EXECUTION, Article 3.5 PILE JACKET INSTALLATION, Paragraph H. OBSTRUCTIONS, **Delete and replace** with the following:

H. OBSTRUCTIONS

- 1. The CONTRACTOR's bid price shall include the costs of removal of six abandoned timber piles under the Downtown Parking Garage and Library.
- 2. Prior to removal, the CONTRACTOR shall provide a list of piles they wish to remove and whose presence precludes installation of the wraps and jackets to the ENGINEER for approval.
- 3. The CONTRACTOR may, with prior approval of the Engineer, remove other abandoned timber piles for convenience at no cost to the owner.

4. The CONTRACTOR's bid price shall include the costs of removal of welded bars present near the pile cap at A7 in the plans, and any incidental hooks, rings, or fittings that are artifacts from previous construction work.
5. The CONTRACTOR's bid price shall include the cost to remove rocks cemented to piles, such as those present on line F.5.
6. The CONTRACTOR's bid price shall include the cost to remove incidental form boards. Examples include, but are not limited to, form boards present at the bottom of the batter pile cap at F9.2 and boards around pile cap B7.
7. Riprap, permanently connected steel structures, welded anodes, drift wood, and other objects may be designated as an obstruction if they prohibit the installation of the wrap system to the elevations shown in plans.
8. Boulders and other debris in the immediate vicinity of steel piling that render the installation impossible shall be considered obstructions only where the individual debris element weighs over 500 lb.
9. Obstructions shall be considered field conditions, and may or may not be identified in plans. No additional payment shall be issued due to deviations necessary to complete a wrap system installation at obstructed locations.
10. Except as noted above, the fill line and/or mudline is not considered an obstruction or obstacle.

- Item No. 6 SECTION 02455 PILE WRAP AND JACKETING, PART 1 - GENERAL, Article 1.3, SERVICES OF MANUFACTURER'S REPRESENTATIVE, **Delete** Paragraph Heading Article 1.3 and **replace** with Paragraph Heading Article 1.7, SERVICES OF MANUFACTURER'S REPRESENTATIVE
- Item No. 7 SECTION 02455 PILE WRAP AND JACKETING, PART 1 - GENERAL, Article 1.4, SUBMITTALS, **Delete** Paragraph Heading Article 1.4 and **replace** with Paragraph Heading Article 1.8, SUBMITTALS
- Item No. 8 SECTION 02455 PILE WRAP AND JACKETING, PART 1 - GENERAL, Article 1.4, SUBMITTALS, I Shop Drawings, **Delete** sentences e, f and g **in their entirety**
- Item No. 9 SECTION 02455 PILE WRAP AND JACKETING, PART 3 EXECUTION, Article 3.5 PILE JACKET INSTALLATION, Paragraph B. Mastics, Sentence 3, **Delete** "Apply mastic to voices over 1/16" deep. Could be increased to 1/8" deep." and **replace** with "Apply mastic to voids over 1/8" deep."
- Item No. 10 SECTION 02455 PILE WRAP AND JACKETING, PART 3 EXECUTION, Article 3.5 PILE JACKET INSTALLATION, Paragraph F. Pile Jacket, Sentence 3. Length, a. **Delete and replace** with: "Jackets shall be no less than 4'-0", unless the total jacket length is less than 4'-0", or as approved by the ENGINEER. "

DRAWINGS – All drawings listed below are labeled: “ADDENDUM #3 – Issued Feb. 23, 2016” with relevant changes indicated in YELLOW highlighting.

- Item No. 1 C004 CORROSION CONTROL SCHEDULES, **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 2 C204 MARINE PARK PHOTOS –GACP (ALT.1), **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 3 C302 BUS PARKOVER H-PILE JACKETS ELEVATIONS, **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 4 C303 BUS PARKOVER H-PILE JACKETS ELEVATIONS, **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 5 C402 DOWNTOWN PARKING GARAGE H-PILE JACKETS ELEVATIONS, **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 6 C403 DOWNTOWN PARKING GARAGE H-PILE JACKETS ELEVATIONS, **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.
- Item No. 7 CP101 CATHODIC PROTECTION DETAILS (ALT.1), **Delete and replace** labeled Addendum No. 3, dated February 23, 2016.

By: 
Greg Smith,
Contract Administrator

Total number of pages contained within this Addendum: 15

SECTION 01560 - TEMPORARY ENVIRONMENTAL CONTROLS

PART 1 - GENERAL

- 1.1 DUST ABATEMENT. The CONTRACTOR shall furnish all labor, equipment, and means required and shall carry out effective measures wherever and as often as necessary to prevent its operation from producing dust in amounts damaging to property, cultivated vegetation, or domestic animals, or causing a nuisance to persons living in or occupying buildings in the vicinity. The CONTRACTOR shall be responsible for any damage resulting from any dust originating from its operations. The dust abatement measures shall be continued until the CONTRACTOR is relieved of further responsibility by the ENGINEER.

- | | |
|-----|--|
| 1.2 | WORKING OVER/NEAR WATER. The CONTRACTOR shall collect and properly dispose of all floating materials generated by the WORK. When working over water, the CONTRACTOR shall employ a floating boom or similar equipment that captures floating debris or other material generated by the work. |
|-----|--|

- 1.3 RUBBISH CONTROL. During the progress of the WORK, the CONTRACTOR shall keep the site of the WORK and other areas used by it in a neat and clean condition, and free from any accumulation of rubbish. The CONTRACTOR shall dispose of all rubbish and waste materials of any nature occurring at the WORK site, and shall establish regular intervals of collection and disposal of such materials and waste. The CONTRACTOR shall also keep its haul roads free from dirt, rubbish, and unnecessary obstructions resulting from its operations. Disposal of all rubbish and surplus materials shall be off the site of construction in accordance with local codes and ordinances governing locations and methods of disposal, and in conformance with all applicable safety laws, and to the particular requirements of Part 1926 of the OSHA Safety and Health Standards for Construction.

1.4 SANITATION

- A. Toilet Facilities: Fixed or portable chemical toilets shall be provided wherever needed for the use of employees. Toilets at construction job sites shall conform to the requirements of Part 1926 of the OSHA Standards for Construction.
- B. Sanitary and Other Organic Wastes: The CONTRACTOR shall establish a regular daily collection of all sanitary and organic wastes. All wastes and refuse from sanitary facilities provided by the CONTRACTOR or organic material wastes from any other source related to the CONTRACTOR's operations shall be disposed of away from the site in a manner satisfactory to the ENGINEER and in accordance with all laws and regulations pertaining thereto.
- 1.5 CHEMICALS. All chemicals used during project construction or furnished for project operation, whether defoliant, soil sterilant, herbicide, pesticide, disinfectant, polymer, reactant or of other classification, shall show approval of either the U.S. Environmental Protection Agency or the U.S. Department of Agriculture. Use of all such chemicals and disposal of residues shall be in strict accordance with the printed instructions of the manufacturer. In addition, see the requirements set forth in paragraph 6.11 of the General Conditions.

SECTION 01560 - TEMPORARY ENVIRONMENTAL CONTROLS

1.6 CULTURAL RESOURCES

- A. The CONTRACTOR's attention is directed to the National Historic Preservation Act of 1966 (16 U.S.C. 470) and 36 CFR 800 which provides for the preservation of potential historical architectural, archaeological, or cultural resources (hereinafter called "cultural resources").
- B. The CONTRACTOR shall conform to the applicable requirements of the National Historic Preservation Act of 1966 as it relates to the preservation of cultural resources.
- C. In the event potential cultural resources are discovered during subsurface excavations at the site of construction, stop work immediately and notify the ENGINEER.

1.7 NOISE ORDINANCE

- A. The CONTRACTOR shall comply with the CBJ, Section 42.20.095, Noise Ordinance, paragraph (b) Construction of buildings and projects. This ordinance states that it is unlawful to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist, or similar heavy construction equipment, before 7:00 a.m. or after 10:00 p.m., Monday through Friday, or before 9:00 a.m. or after 10:00 p.m., Saturday and Sunday, unless a permit shall first be obtained from the City and Borough building official. Such permit shall be issued by the building official only upon a determination that such operation during hours not otherwise permitted under this section is necessary and will not result in unreasonable disturbance to surrounding residents. The CONTRACTOR may obtain the current CBJ Noise Ordinance by calling CBJ –COMMUNITY DEVELOPMENT- PERMIT DEPARTMENT at 907-586-0770

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

CORROSION CONTROL SCHEDULES

ADDENDUM #3 - ISSUED FEB. 23, 2016

ENCAPSULATION OF BUS PARKOVER & GARAGE H-PILES*

PILE CAP LOCATION		H-PILE		NUMBER	
ROW	BENT	SIZE	TYPE	NOM LENGTH PER PILE	NUMBER OF PILES
A	7	14HP73	FULL	25	6
A	6	12HP53	FULL	15	6
B	7	14HP73	FULL	25	8
C	10	14HP73	FULL	15	1
C	9.7	14HP73	PARTIAL	15	2
C	7	14HP73	FULL	20	6
C.5	PILES 1-5	14HP73	FULL	15	5
C.5	PILE 8	12HP53	FULL	28	1
C.5	PILE 9	12HP53	FULL	15	1
C.5	PILE 10	12HP53	FULL	7	1
D	PILES 1-5	14HP73	FULL	15	5
D	PILE 8	14HP73	FULL	13	1
D	PILE 9	12HP53	FULL	7	1
D	PILE 10	12HP53	FULL	5	1
D.5	9 & 8.7	14HP73	FULL	10 & 7	1 EA
D.5	9 & 8.7 X-BRACE	12HP53	FULL	10 & 9.5	1 EA
D.5	8.2	14HP73	FULL	3	1
E	9.2 & 8.7	14HP73	FULL	14 & 6	1 EA
E	9.2 & 8.7 X-BRACE	12HP53	FULL	15 & 12	1 EA
E5	9.2	14HP73	FULL	7 & 3	2
F	9.2 BATTER	14HP73	FULL	6	2
F.5	9.2	14HP73	FULL	6	1
G	9.5	14HP73	FULL	5	1
G	9.5 X-BRACE	UNK	FULL	3	1

MARINE PARK ALUMINUM ANODE SLEDS (ALT 1)*

ITEM	NUMBER PER SLED	UNITS	TOTAL
ANODES - 285 LBS ALUMINUM MIN PER ANODE	3	EA	6
ANODE CABLE - AWG #6 HMWPE (2 EA 140' CABLES)	2	LF	560
ANODE CABLE SHEATH - 115' EPDM HOSE, 1" ID	1	LF	300
ANODE SLED & FRAME	1	EA	2
FRAME CABLE EXOTHERMIC WELDS	2	EA	4
MASTIC TO COAT EXOTHERMIC WELD CONNECTIONS	1	AS REQ	2
EPOXY PAINT TO COAT STEEL FRAME	1	AS REQ	2
GACP PULL BOX - PLUS HARDWARE, PANEL, AND MOUNTINGS	1 FOR BOTH	EA	1
GACP JUNCTION BOX - PLUS HARDWARE, PANEL, AND MOUNTINGS	1 FOR BOTH	EA	1
SHEET PILE CABLES - AWG #4HMWPE	COMBINED	LF	150
1½" Ø RTRC CONDUIT - PLUS NECESSARY FITTINGS, MOUNTINGS, AND ADHESIVE	COMBINED	LF	100
1¼" Ø RTRC CONDUIT - PLUS NECESSARY FITTINGS, MOUNTINGS, AND ADHESIVE	COMBINED	LF	30
MAGNETIC MARINE COUPON, REFERENCE ELECTRODE, WITH MAGNETIC SWITCH	COMBINED	EA	1
FLUSH-MOUNTED TEST STATION	SEE MARINE PARK ICCP		
SHEET PILE BOND EXOTHERMIC WELDER	COMBINED	EA	1
SHEET PILE BOND EXOTHERMIC CHARGES	COMBINED	EA	20
EXOTHERMIC WELD CAPS	COMBINED	EA	6

*NOTES

- A. THE CONTRACTOR SHALL VERIFY ALL PILE DIMENSIONS AND THE SIZE AND LOCATION OF HAUNCHES AT THE TOP OF THE H-PILES PRIOR TO ORDERING PILE JACKETS AND PILE JACKET-RELATED MATERIALS.
- B. THE CONTRACTOR SHALL VERIFY ALL CABLE LENGTHS AND LENGTHS OF CONDUIT RUNS PRIOR TO ORDERING MATERIALS.

REVISIONS

1	02/12/16	REVISED JACKET SCHEDULE	JST
No.	DATE	DESCRIPTION	BY



Phone: 206-328-7872
Fax: 206-328-7916
www.tinnea.net



DATE 01/04/16

DOWNTOWN PARKING GARAGE
CORROSION CONTROL PROJECT
JUNEAU, ALASKA



DOCKS AND HARBORS
DEPARTMENT OF ENGINEERING

SHEET TITLE:
CORROSION
CONTROL
SCHEDULES

DATE:
01/04/16

TA&C PROJ. No.:
1012401

CONTRACT No.:
E16-164

SHEET 4 OF 20

C004



1 ELEVATION - MARINE PARK
SCALE: NTS



2 ELEVATION - MARINE PARK
SCALE: NTS

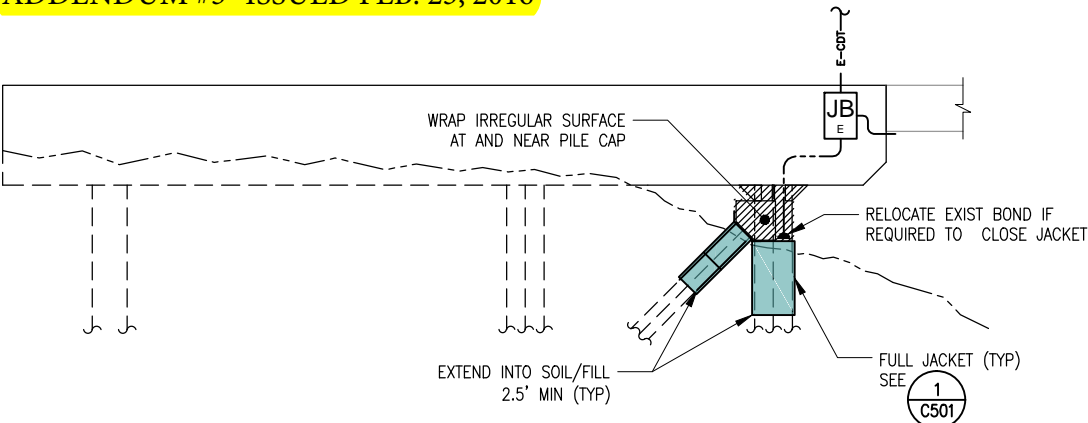
NOTES

MARINE PARK ELEVATION PHOTOS

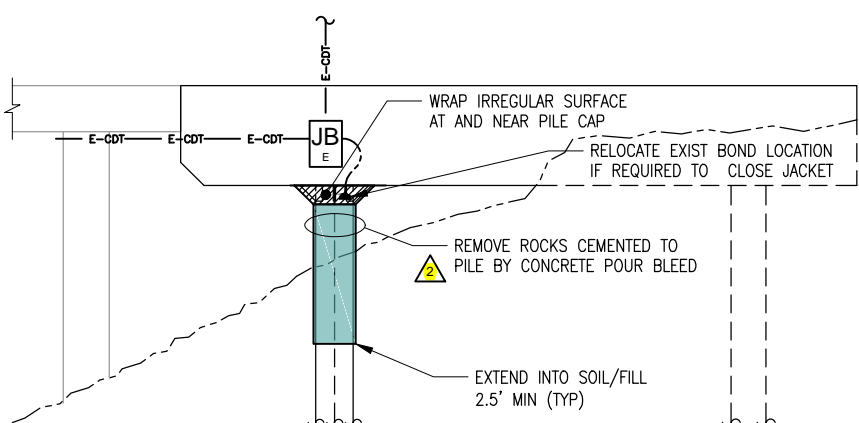
- A. THESE PHOTOGRAPHS ARE PROVIDE TO AFFORD THE CONTRACTOR A SENSE OF WHAT THE MARINE PARK SEAWALL CONFIGURATION..
- B. CONDITIONS, INCLUDING THE CONDITION OF THE COATING MAY HAVE CHANGED SINCE THESE PHOTOS WERE TAKEN AND THE CONTRACTOR SHOULD CONFIRM EXISTING CONDITIONS PRIOR TO BID.
- C. SKETCHES OF SOME NEW WORK LAYOUT AND NOTES ARE PROVIDED.
- D. FOR CLARITY SOME OF THE REQUIRED NEW WORK ITEMS ARE NOT SHOWN (INCLUDING, BUT NOT LIMITED TO NEW MARINE COUPON AND CONDUIT).
- E. THESE PHOTOS ARE PROVIDED FOR INFORMATION PURPOSES ONLY.
- F. IF THERE IS ANY DISCREPANCY BETWEEN WHAT IS SHOW IN THESE PHOTOS/SKETCHS AND OTHER DRAWINGS OR SPECIFICATIONS, THE OTHER DRAWINGS AND/OR SPECIFICATIONS SHALL TAKE PRECEDENCE.

REVISIONS

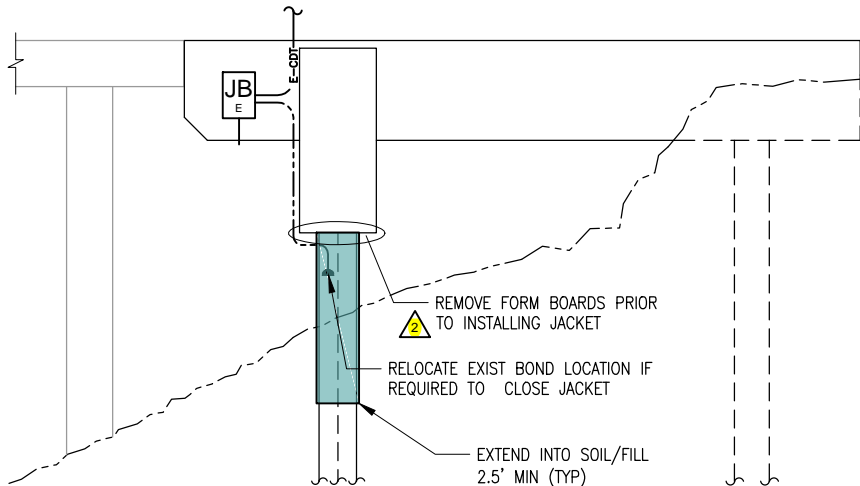
1	02/12/16	DELETE COATING CALLOUT	JST
No.	DATE	DESCRIPTION	BY



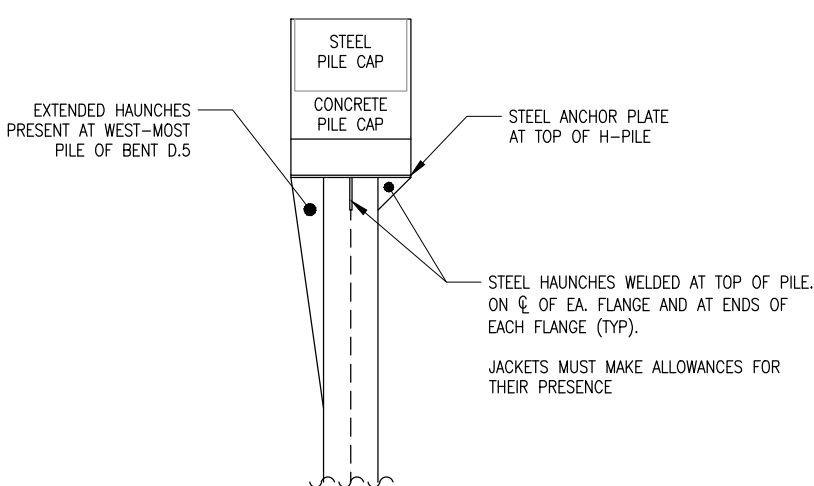
1 ELEVATION - "G" LINE PILINGS
SCALE: NTS



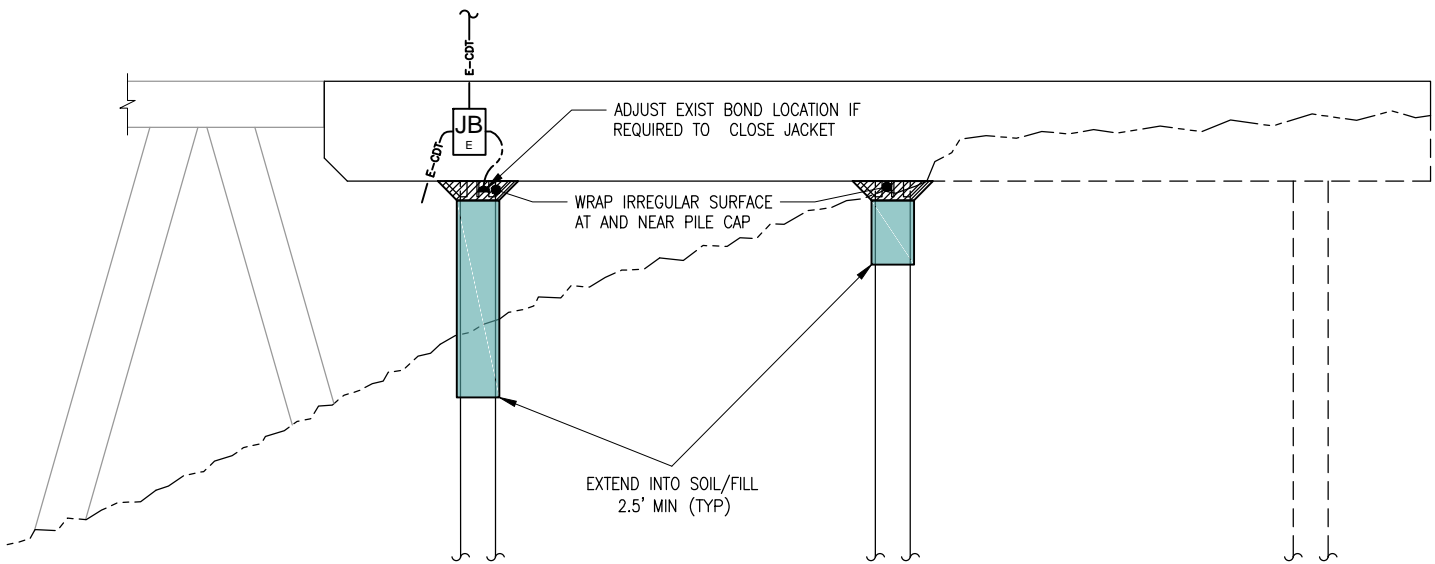
2 ELEVATION - "F.5" LINE PILINGS
SCALE: NTS



3 ELEVATION - "F" LINE PILINGS
SCALE: NTS



4 ELEVATION - TYPICAL BENT END
SCALE: NTS



5 ELEVATION - "E.5" LINE PILINGS
SCALE: NTS

NOTES

H-PILE JACKET & WRAP SYSTEMS

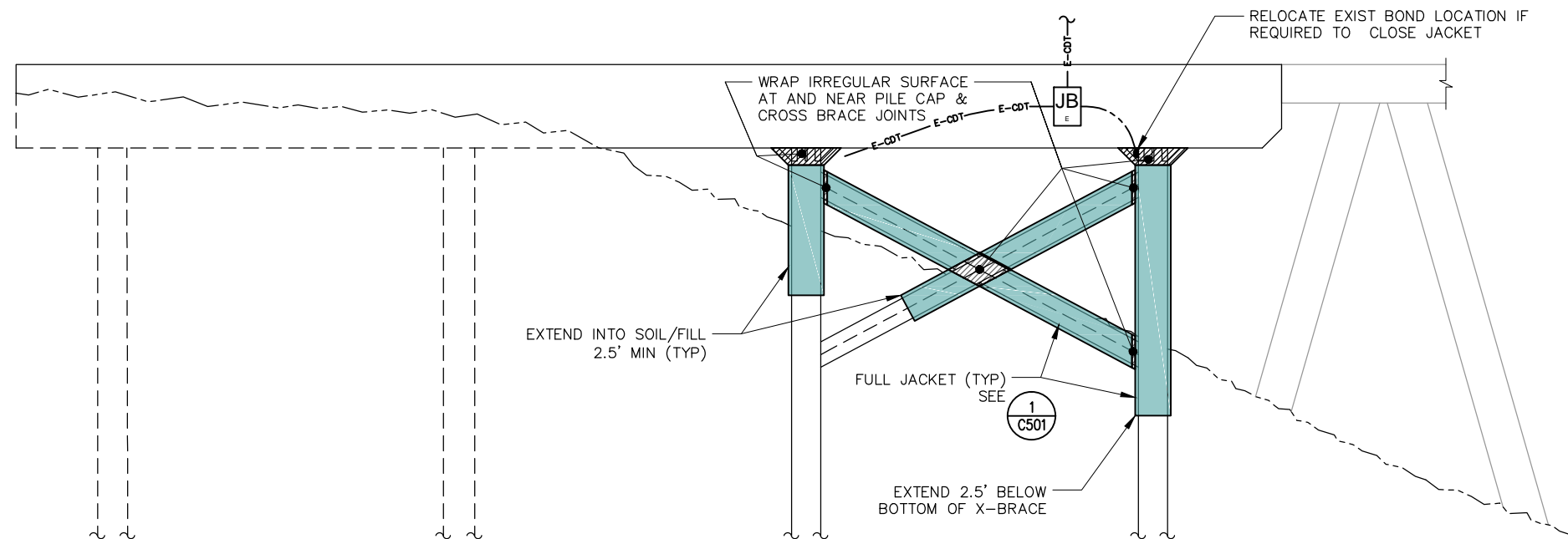
- A. THE H-PILE JACKETS SHALL BE INSTALLED AT THE LOCATIONS SHOWN IN THE DRAWINGS
- B. THE CONTRACTOR SHALL VERIFY ALL PILE DIMENSIONS AND THE SIZE AND LOCATION OF HAUNCHES AT THE TOP OF THE H-PILES PRIOR TO ORDERING MATERIALS.
- C. THE H-PILE JACKETS SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S INSTRUCTIONS.
- D. ON NON-CROSS BRACED PILES, THE PILE JACKETS SHALL RUN FROM THE STEEL PLATE AT THE PILE CAP TO TO 2.5 FEET MINIMUM BELOW THE LOWEST GRADE OF THE SURROUNDING GRADE.
- E. ON PILES WITH CROSS BRACING, THE JACKETS SHALL RUN FROM THE STEEL PLATE AT THE PILE CAP TO 1.5 FEET BELOW THE BOTTOM OF THE LOWEST CROSS BRACE CONNECTION.
- F. THE JACKETS SHALL BE FABRICATED TO ACCOMMODATE THE STEEL HAUNCHES AT THE TOP OF THE PILES, SO THAT THE PRESENCE OF THESE HAUNCHES DOES NOT INTERFERE WITH THE PROPER CLOSING OF THE JACKET.
- G. COAT EXPOSED PORTIONS OF THE HAUNCHES AND ANCHOR STEEL PLATE WITH MASTIC IN ACCORDANCE WITH THE SPECIFICATIONS.
- H. WHERE JACKETS EXTEND BELOW THE SURROUNDING FILL, THE CONTRACTOR SHALL BACKFILL THE EXCAVATION CREATED TO INSTALL THE JACKET TO THE LEVEL OF THE SURROUNDING FILL.

EXISTING H-PILE GACP SYSTEM

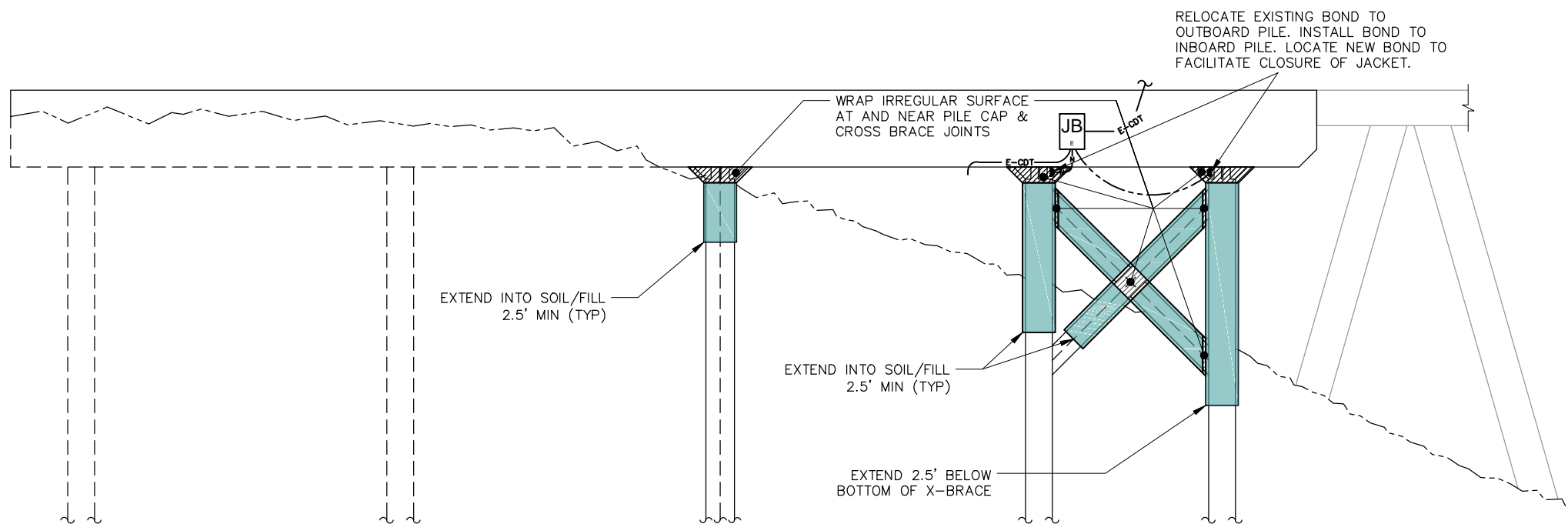
- A. THE CONTRACTOR AND CONTRACTOR'S SUBCONTRACTORS WILL BE RESPONSIBLE TO PROTECT THE EXISTING GACP SYSTEM HARDWARE, CABLES, AND ANODE SLEDS FROM DAMAGE DURING ALL CONSTRUCTION ACTIVITIES.
- B. IF EXISTING PILE BOND WIRES INTERFERE WITH PROPER CLOSING OF THE PILE JACKETS, THE CONTRACTOR SHALL REMOVE THE EXISTING BOND AND RELOCATE IT TO AN AREA THAT DOES NOT INTERFERE WITH THE JACKET (E.G., INSTALL A NEW BOND ON ONE OF THE STEEL HAUNCHES AT THE TOP OF THE H-PILE).
- C. **BONDS SHALL BE MADE USING THE EXTHERMIC WELD PROCESS AND FOLLOW DETAIL 3, DRAWING CP-101.**
- D. IF THE CONTRACTOR OR THE CONTRACTOR'S SUBCONTRACTORS DAMAGE EXISTING MARINE PARK GACP EQUIPMENT OR HARDWARE, THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR SUCH DAMAGE AT NO COST TO THE OWNER.

REVISIONS

1	02/12/16	REVISE NOTES	JST
2	02/12/16	ADD CALLOUT	JST
No.	DATE	DESCRIPTION	BY



1 ELEVATION - "E" LINE PILINGS
SCALE: NTS



2 ELEVATION - "D.5" LINE PILINGS
SCALE: NTS

REVISIONS


1	02/12/16	REVISE NOTES	JST
No.	DATE	DESCRIPTION	BY

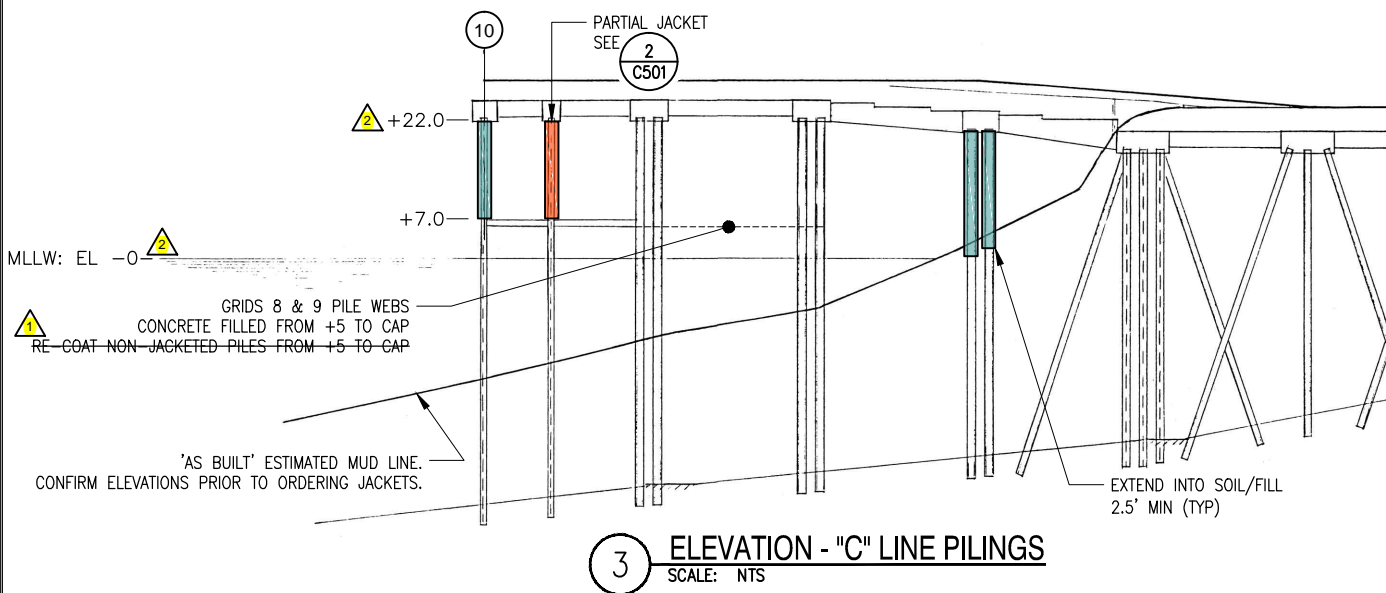
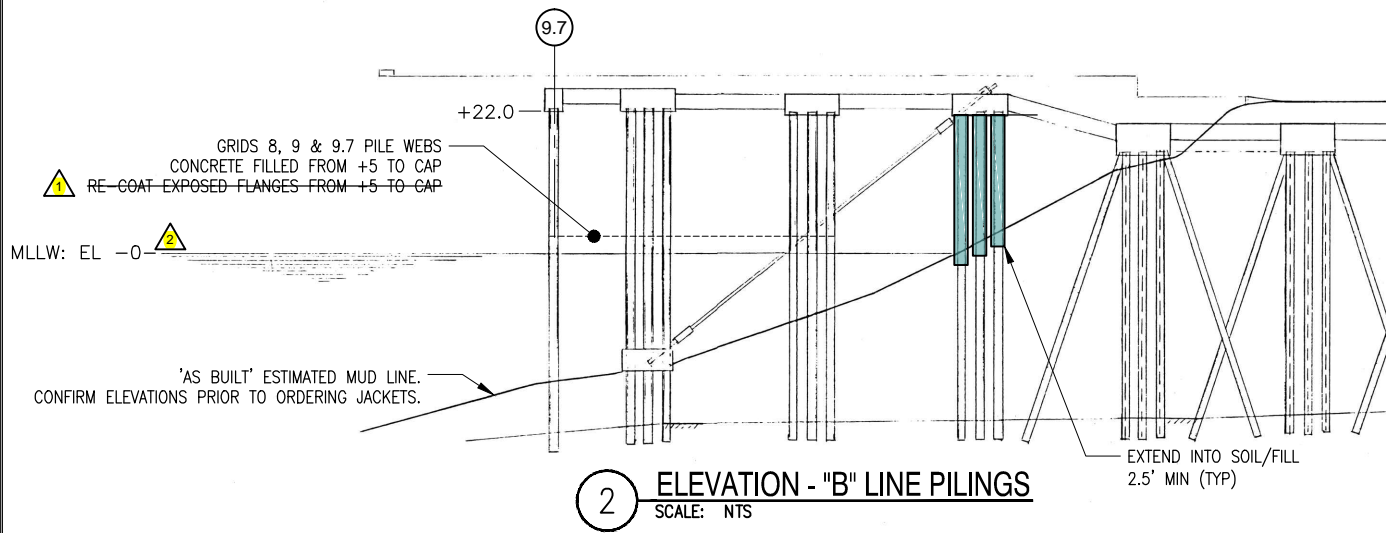
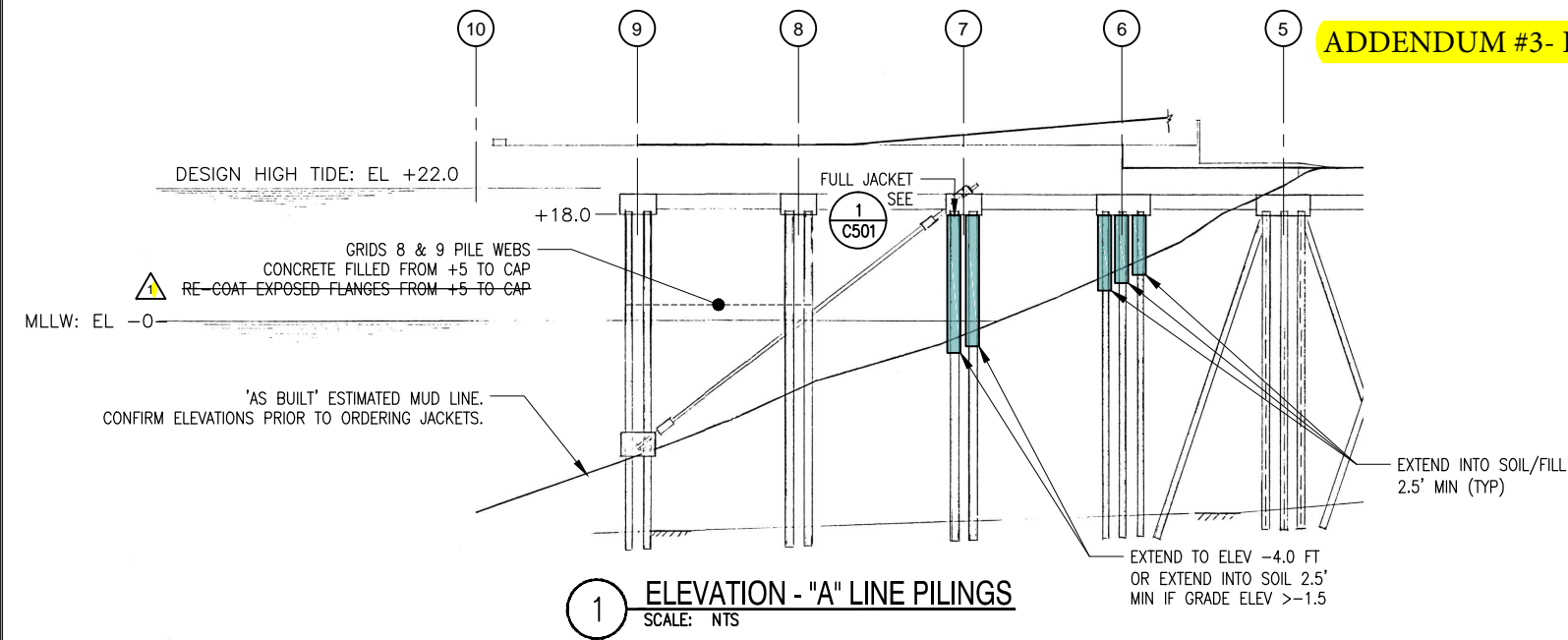
NOTES

H-PILE JACKET & WRAP SYSTEMS

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- ON PILES WITH CROSS BRACING, THE JACKETS SHALL RUN FROM THE STEEL PLATE AT THE PILE CAP TO 1.5 FEET BELOW THE BOTTOM OF THE LOWEST CROSS BRACE CONNECTION.
- THE JACKETS SHALL BE FABRICATED TO ACCOMMODATE FOR THE STEEL HAUNCHES AT THE TOP OF THE PILES, SO THAT THE PRESENCE OF THESE HAUNCHES DOES NOT INTERFERE WITH THE PROPER CLOSING OF THE JACKET.
- COAT EXPOSED PORTIONS OF THE HAUNCHES AND ANCHOR STEEL PLATES MASTIC IN ACCORDANCE WITH THE SPECIFICATIONS.
- WHERE JACKETS EXTEND BELOW THE SURROUNDING FILL, THE CONTRACTOR SHALL BACKFILL THE EXCAVATION CREATED TO INSTALL THE JACKET TO THE LEVEL OF THE SURROUNDING FILL.

EXISTING H-PILE GACP SYSTEM

- THE CONTRACTOR AND CONTRACTOR'S SUBCONTRACTORS WILL BE RESPONSIBLE TO PROTECT THE EXISTING GACP SYSTEM HARDWARE, CABLES, AND ANODE SLEDS FROM DAMAGE DURING ALL CONSTRUCTION ACTIVITIES.
- IF EXISTING PILE BOND WIRES INTERFERE WITH PROPER CLOSING OF THE PILE JACKETS, THE CONTRACTOR SHALL REMOVE THE EXISTING BOND AND RELOCATE IT TO AN AREA THAT DOES NOT INTERFERE WITH THE JACKET (E.G., INSTALL A NEW BOND ON ONE OF THE STEEL HAUNCHES AT THE TOP OF THE H-PILE).
-  BONDS SHALL BE MADE USING THE EXTHERMIC WELD PROCESS AND FOLLOW DETAIL 3, DRAWING CP-101
- IF THE CONTRACTOR OR THE CONTRACTOR'S SUBCONTRACTORS DAMAGE EXISTING MARINE PARK GACP EQUIPMENT OR HARDWARE, THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR SUCH DAMAGE AT NO COST TO THE OWNER.



REVISIONS			
1	02/12/16	DELETE COATING CALLOUTS	JST
2	02/12/16	REVISED ELEVATION NOTATIONS	JST
No.	DATE	DESCRIPTION	BY

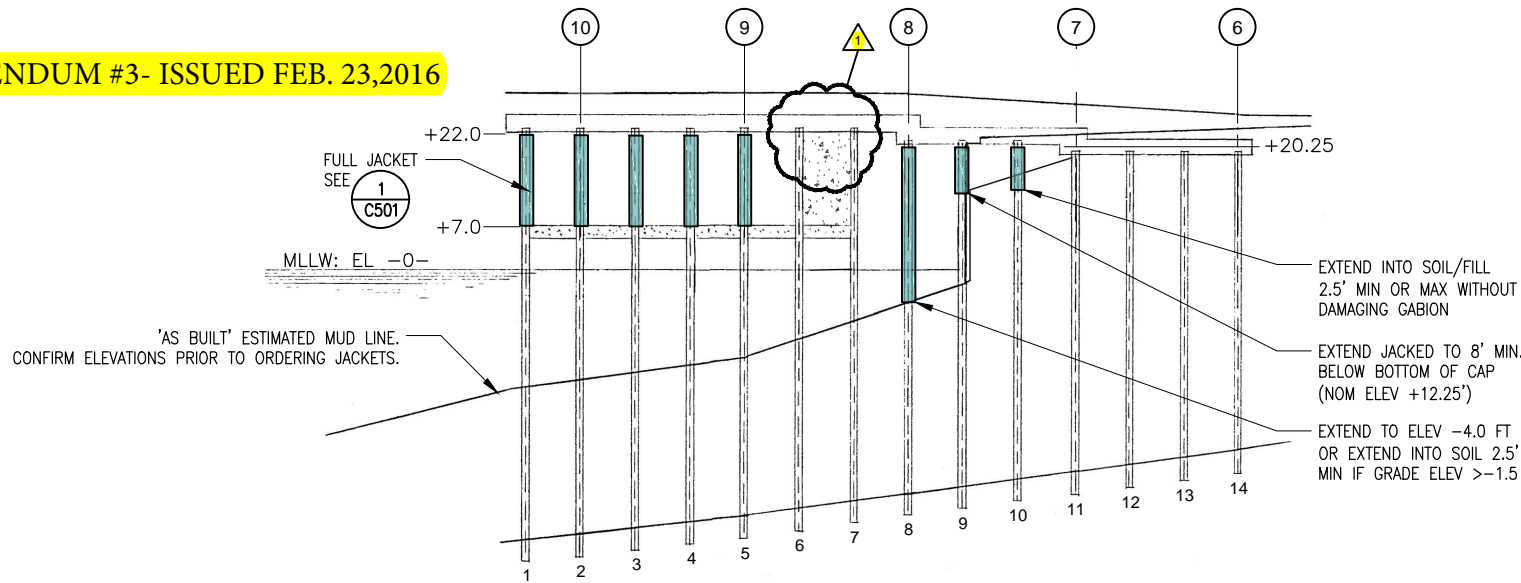
NOTES

H-PILE JACKET SYSTEMS

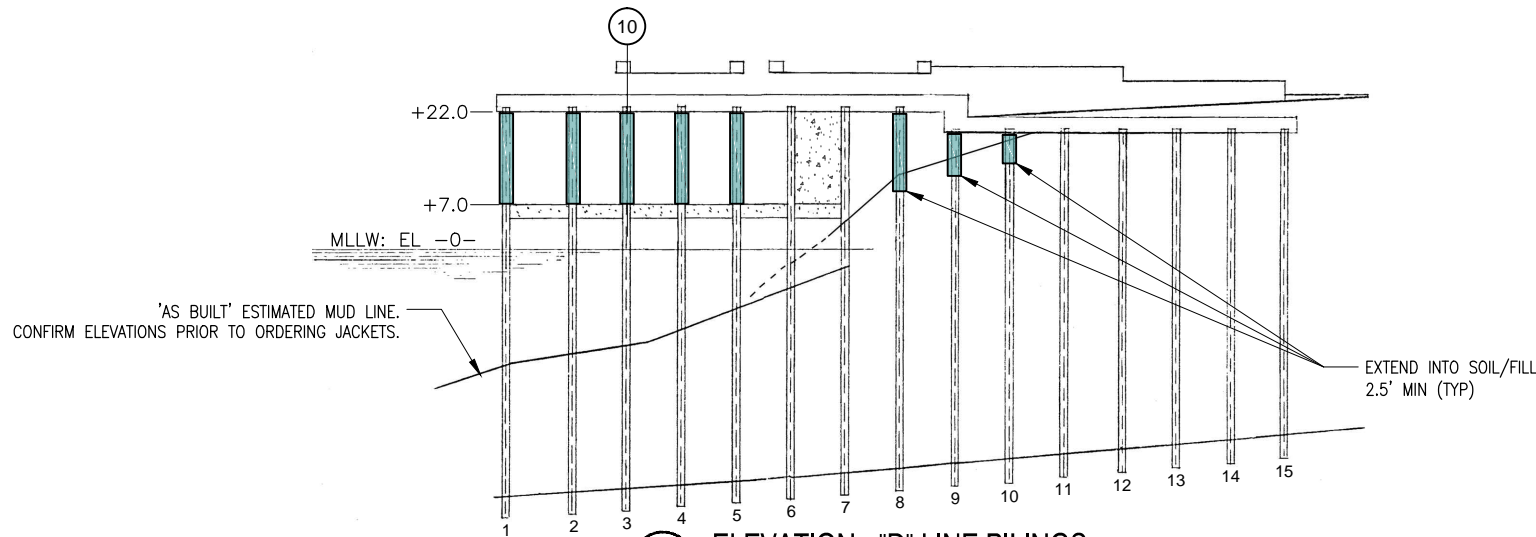
- THE H-PILE JACKETS SHALL BE INSTALLED AT THE LOCATIONS SHOWN IN THE DRAWINGS
- THE H-PILE JACKETS SHALL BE INSTALLED IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MANUFACTURER'S INSTRUCTIONS..
- THE PILE JACKETS SHALL RUN FROM THE PILE CAP TO EITHER:
 - TOP OF HORIZONTAL STRUT, IF PRESENT.
 - TO 2.5 FEET (MIN) BELOW THE LOWEST GRADE OF THE SURROUNDING MUDLINE.
- WHERE JACKETS EXTEND BELOW THE SURROUNDING FILL, THE CONTRACTOR SHALL BACKFILL THE EXCAVATION CREATED TO INSTALL THE JACKET TO THE LEVEL OF THE SURROUNDING FILL.

EXISTING H-PILE GACP SYSTEM

- THE CONTRACTOR WILL BE RESPONSIBLE TO PROTECT THE EXISTING GACP SYSTEM HARDWARE, CABLES, AND ANODE SLEDS FROM DAMAGE DURING ALL CONSTRUCTION ACTIVITIES.
- IF EXISTING PILE BOND WIRES INTERFERE WITH PROPER CLOSING OF THE PILE JACKETS, THE CONTRACTOR SHALL REMOVE THE EXISTING BOND AND RELOCATE IT TO AN AREA THAT DOES NOT INTERFERE WITH THE JACKET (E.G., INSTALL A NEW BOND ON ONE OF THE STEEL HAUNCHES AT THE TOP OF THE H-PILE).
- IF THE CONTRACTOR DAMAGES EXISTING MARINE PARK GACP EQUIPMENT OR HARDWARE, THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR SUCH DAMAGE AT NO COST TO THE OWNER.



1 ELEVATION - "C.5" LINE PILINGS
SCALE: NTS



2 ELEVATION - "D" LINE PILINGS
SCALE: NTS

REVISIONS

1	02/12/16	DELETE COATING CALLOUT	JST
2	02/12/16	REVISED NOTES	JST
No.	DATE	DESCRIPTION	BY

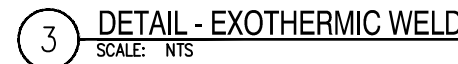
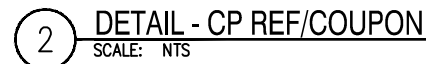
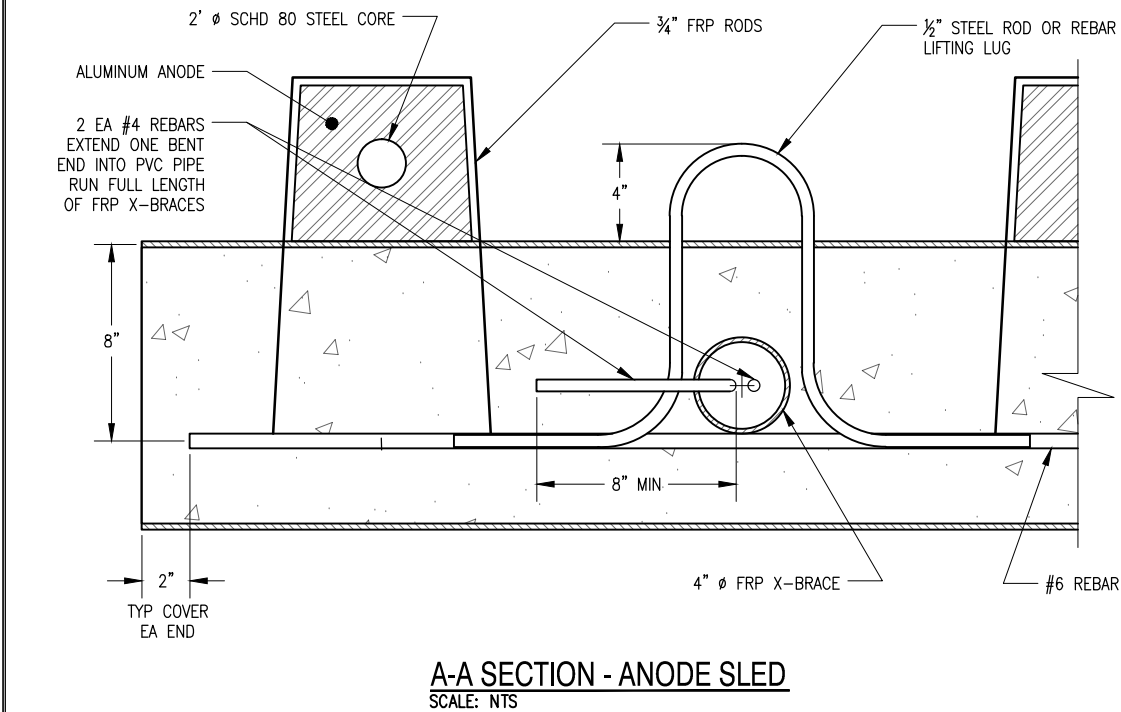
NOTES

H-PILE JACKET SYSTEMS

- A. THE H-PILE JACKETS SHALL BE INSTALLED AT THE LOCATIONS SHOWN IN THE DRAWINGS.
- B. THE H-PILE JACKETS SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S INSTRUCTIONS.
- C. THE PILE JACKETS SHALL RUN FROM FROM THE PILE CAP TO EITHER:
1. TOP OF HORIZONTAL STRUT, IF PRESENT.
 2. TO THE SURFACE OF THE GABION (DO NOT DAMAGE WIRE)
 3. TO 2.5 FEET (MIN) BELOW THE LOWEST GRADE OF THE SURROUNDING MUDLINE WHERE ELEVATION IS ABOVE -1.5'.
 4. TO ELEVATION -4.0 FEET MAX AT ALL OTHER LOCATIONS.
- D. WHERE JACKETS EXTEND BELOW THE SURROUNDING FILL, THE CONTRACTOR SHALL BACKFILL THE EXCAVATION CREATED TO INSTALL THE JACKET.

EXISTING H-PILE GACP SYSTEM

- A. THE CONTRACTOR WILL BE RESPONSIBLE TO PROTECT THE EXISTING GACP SYSTEM HARDWARE, CABLES, AND ANODE SLEDS FROM DAMAGE DURING ALL CONSTRUCTION ACTIVITIES.
- B. IF THE CONTRACTOR DAMAGES EXISTING MARINE PARK GACP EQUIPMENT OR HARDWARE, THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR SUCH DAMAGE AT NO COST TO THE OWNER.



1. WHEN MOVING OR PLACING THE GACP ANODE SLED
 - A. SUPPORT USING THE INTEGRAL LIFTING LUGS.
 - B. DO NOT HANDLE OR LIFT USING THE ANODES OR ANODE CABLES.

CP101