



PORT & MARINE SERVICES

201 William Street
Key West, FL
33040

**ADDENDUM NO. 1
PILING REPLACEMENT / H2 DOCK EXTENSION /
CANTILEVER WALKWAY REPAIR
KEY WEST BIGHT MARINA
ITB #25-008**

The information contained in this Addendum adds information to be included in the Proposal and is hereby made a part of the Contract Documents. The referenced Proposal package is hereby addended in accordance with the following items:

GENERAL NOTES:

1. Mandatory Pre-Bid sign-in sheet attached.
2. All Bids are due April 30, 2025, at 3:30pm.
3. Instruction to Bidders, paragraph 6.C: change "site construction" to "dock construction and pile installation".

QUESTIONS & CLARIFICATIONS:

1. Protection of existing structures states vibration monitoring is required, please confirm.

Yes, vibration monitoring is required at nearby structures as described in Section 022150, for structures "that could receive seismic motion greater than one-half inch per /second (or a more stringent velocity required by a permit or agency) and could be at risk for being damaged from ground vibrations due to construction."

2. States dynamic pile testing shall be performed, does this include the timber pile? And what is the driving criteria for either type?

Yes, this includes timber piles. Based on ASTM D4945 dynamic testing equipment and setup are described for both concrete and timber pilings.

3. Obstruction lighting of cranes , per CFR part 77 crane elevations may not exceed 100ft , however spec states lighting required over 100ft. Has an aeronautical study been completed to determine if it will exceed a standard of subpart C of 14CFR Part 77.?

No aeronautical study has been completed. The requirement to "Provide a minimum of 2 aviation red or high intensity white obstruction lights on temporary structures (including cranes) over 100 feet above ground level" is below the stated FAA AC 70/7460-1 and 14 CFR Part 77 of 200-ft above ground-level within 3 nautical miles of airport. Should a structure exceed a different required minimum for obstruction lighting, the Contractor would be responsible for following all necessary requirements.

4. Please provide a specification for the 14" concrete pile

Concrete piles have been removed from scope.

5. Under Instructions to Bidders item 6.A Preparation of Bids – General, it states all blank spaces in the BID form must be filled out for all schedules and associated parts. The Bid Schedule contains items that have a quantity of zero. Is the contractor to provide a unit price for the items that have a zero quantity and is the extended price to be equal to zero (no cost added to the bid price) as this unit price is to be used in case an instance arrives when the item is required?

Yes, that is correct. However, the Bid Schedule is being updated and removes various of these zero (0) quantities line items. See attached revised Bid Schedule.

6. On the Bid Schedule Item 4. 3x8 Horizontal Timbers, what is meant by Varied Length? Is there a minimum and maximum length for consideration?

The Bid Schedule has been updated to remove the reference to components with "Varied Length." The Bid Schedule also increases the Timber/Lumber lengths from the measured lengths of the inspected docks to more typical lengths. See attached revised Bid Schedule.

7. On the Bid Schedule Item 13., what is the requirements for the Fender/Mooring Pile? No details are provided in the drawings.

The Fender/Mooring Pile shall have the same requirements as Bid Item 8. 12"x35' Dia. Pile, driven 10' into cap rock. It is also acceptable for the Contractor to try and use the same holes as the piles being replaced.

8. The quantities in the Materials & Locations List located in Part 5 Supplemental Information / Drawings do not match some of the quantities in the Bid Schedule. The largest discrepancy is in Items 6. SS All-Thread and 7. SS Nut & Washer. Which quantity is correct?

The quantities in the Bid Schedule have been updated to include the values given in the Supplemental Information. See attached revised Bid Schedule.

9. No details or descriptions are provided for Bid Item 10. Concrete Grout Mix & Rebar. What is the scope of this work?

The grout mix and rebar is based on spall repairs of the concrete Beams/Bents supporting Dock E, and estimating the Contractor's expected amount of work required to repair the spalls. Contractor shall provide the suitable mix design required to repair the pile bents for approval by the Engineer.

10. For Bid Item 11., is there another name for the Boathouse Walkway as none of the drawings / details provided reference the Boathouse Walkway?

The Boathouse Walkway is referred to in the inspection reports as the walkway crossing in front of the Turtle Kraals Restaurant, or the "Turtle Kraals walkway" which follows along the Harbor Walk.

11. On drawing G-003 #40 Pilings shall be driven 5' minimum into limestone (approximate tip elevation (-) 35.0 NGVD or refusal)

Approximate tip elevation given on Sheet G-003 is incorrect. See Sheet C-103 for expected tip elevation. As H-Dock extension (Bid Item #12) is separate from other general piling replacement, the 6.0/7.0 ft min. into limerock is what is necessary for the design of the H-Dock extension but should be installed expecting the "10' into cap rock" standard.

12. On drawing C-103 It is stated Embed tip 6.0/7.0 Ft Min into Limerock.

See answer to #11.

13. Bid package #8 12" x 35' Dia Pile, driven 10' into cap rock.

All piles should be driven 10' into cap rock, unless approved otherwise by the City.

14. Will the City of Key West provide a staging area for the contractor?

Yes, a staging area will be provided

15. Please provide the size and location of the staging area?

TBD

16. Where may the contractor take pile, lumber and hardware deliveries to complete the work?

All deliveries to be made to staging area unless it is direct load onto barge. If direct load onto barge, deliveries shall be made at end of Grinnell Street.

17. What time of day may the contractor schedule material deliveries?

Delivery times to be set by contractor

18. The Supplementary Conditions (page 64) list the insurance requirements for the project. The Supplementary Conditions do not require professional liability insurance. The master contract requires professional liability insurance. Does the City of Key West require professional liability insurance for this project?

Professional liability insurance is not required for this project.

19. Plan G-009 list piles at Schooner Wharf to be replaced. We believe that the City of Key West plans to replace the docks and piles at Schooner Wharf. Will the bid and contractor require the replacement of piles at Schooner Wharf?

Piles at Schooner Wharf will not be replaced. See attached revised Bid Schedule.

20. How far in advance shall the contractor notify the City to relocated vessels?

Contractor to notify Dockmaster four (4) days in advance.

21. What will be the anticipated waiting time for the City of Key West to relocate boats?

Four (4) days.

22. The plans and specifications call for 12" piles. At what location on the pile should be the pile diameter measured? (top or bottom of the pile?) (Suggested 3' down from butt of Pile)?

3' down from butt of pile is ideal for pile diameter measurement.

23. Will the contractor be required to provide signed and sealed pile logs to the City and/or the Building Department?

Yes. Pile logs are expected to be provided to the City.

24. Will the contractor receive non-compensatable time extensions for weather events that exceed the NOAA ten-year average?

All weather-related time extensions will be considered.

25. Will the contractor receive a non-compensatable time extension for tropical storm events?

All weather-related time extensions will be considered.

26. Parking (page 80): How many parking spaces will be provided to the contractor?

Temporary parking passes will be provided to the contractor. Quantity to be determined.

27. Seismic monitoring (page 110:) Will the contractor be responsible to provide and pay for seismic monitoring (very expensive)? We have done dozens of pile replacement projects and never been required to provide seismic monitoring for pile replacement projects)?

Yes. As stated in the Specifications, monitoring via "seismograph and monitoring equipment" is required for nearby structures at locations approved by the City.

28. Cross Bracing (plan C103): Plan C103 shows pressure treated cross bracing. Suggest all PT lumber in direct contact with water be treated (2.4 ACQ/CCA) for direct marine contact.

For all timber framing elements, preservative treatment is stated in the Specifications as using Preservative Chemicals: "All wood members shall be marine lumber CCA treated, 2.50pcf, in accordance with AWPA C3 and C18." See Section 06 15 33 Wood Decking for other requirements.

29. Joist length (plan C103): Plan C 103 shows 10' long joist with splices ever 10 feet. Suggest using 20' long joist and eliminating 50% of the joist splices. Splices should be staged so staged so that at every bent 50% of the lumber is continuous (stronger dock)

If the 2' lap splicing requirement and total length requirements are met, then the use of 20+ft. length joists is acceptable.

30. Will turbidity curtains be required at all pile replacement locations or only at the pier extension (Dock H-2)?

Turbidity curtains are required for all in-water activities.

31. Dock A is included in the DEP permit. Repair to Dock A is excluded from the scope of work. Will a permit modification be required?

No. The work would just be excluded from the final permit update of work performed.

32. If a permit modification is required to exclude Dock A, who is responsible for the permit modification?

See answer to #31.

33. Special Bidding Requirements (page 4). The invitation to Bidders list the Special Bidding Requirements. Specifically, the bidder must demonstrate prior "experience and expertise" with five current or recent projects of similar work? Previously, the City of Key West waived the Special Bidding Requirements (Mayor Craig Cates). Will the City of Key West follow their Special Bidding Requirements for this project?

These special bidding requirements shall not be waived.

34. The bid sheet has been updated to reflect changes to the timbers based on length, and the hardware counts.

Yes, see attached revised Bid Schedule.

35. Is a drill rig and vibratory hammer acceptable installation method as long as the end product meets or exceeds the Dynamic Pile Testing spec?

If the piles meet the testing requirements, then pre-drilling and vibrating piles is acceptable.

36. Is there a designated lay down area for materials?

See answer to #14.

All other elements of the Contract and Proposal documents including the Bid date, shall remain unchanged. All Proposers shall acknowledge receipt and acceptance of this **Addendum No. 1** by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Name of Business

PILING REPLACEMENT/ H2 DOCK EXTENSION/ CANTILEVER WALKWAY REPAIR
KEY WEST BIGHT MARINA

ITB #25-008

Mandatory Pre-Bid Meeting SIGN-IN Sheet

April 15, 2025
2:30 PM

NAME / COMPANY

Steve McAleamney / City of Key West
Karen Olson / City of Key West
Tim Tychan / City of Key West
David Marsicano / City of Key West

CONTACT #

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305-809-3778
305-809-3902

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david.marsicano@cityofkeywest-fl.gov

David Steinmeyer, Gulf Southern Const. Co.	305-619-7776	david@gulfSouthern.net
Joey Maldonado - Callan Marine	409-745-9989	JMaldonado@CallanMarine.com
Alpert Wadsworth - PMCC	954 415 0652	PROFESSIONAL NATURE @ GMAIL.COM
Evan Lyons Coral Construction Co.	305-393-5953	office @ coralconstructioncompany.com
ADRIAN PEREZ MARINO construction	305-262-6181	aperezmarino@construction.com
Alex Velazquez Florida Keys Contractors LLC	(305) 304-6650	extimating@marino-contractors.com
Gary Centorze Gary's Plumbing & Fire	305-797-1062	clvarezquez@flkeyscontractorsllc.com
John Kearns - Kearns Construction	305-797-1062	AVelazquez@flkeyscontractorsllc.com
STUART MCGAHEE TETRA TECH	772-781-3404	GARYSPLUMBING&FIRE.com
ADAM GILES LPS CONTRACTING	305-240-9882	stuart.mcgaher@tetratech.com

BID SCHEDULE

Project Title: **PILING REPLACEMENT / H2 DOCK EXTENSION / CANTILEVER WALKWAY REPAIR – KEY WEST BIGHT MARINA**

Project No.: **ITB #25-008**

UNIT PRICE BID

Bid unit prices stated in this proposal include all costs and expenses for labor (including installation), equipment, materials, disposal and contractor's overhead and profit. Unit prices for the various work items are intended to establish a total price for completing the project in its entirety. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefore.

1. Mobilization, General/Supp Conditions and Demobilization

	<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	
a.	Mobilization	1	Each	\$_____	
b.	General/Supp. Conditions	1	Each	\$_____	
c.	Demobilization	1	Each	\$_____	
	1 LS (10% of Construction Cost Max (a + b + c)		TOTAL		\$_____

2. Payment and Performance Bonds

<u>QTY</u>	<u>UNIT</u>	<u>SUBTOTAL</u>
1	LS	\$_____

3. Permit Fees (to be paid at cost)

<u>QTY</u>	<u>UNIT</u>	<u>SUBTOTAL</u>
1	LS	\$ <u>90,000</u> _____

4. 3x8 Horizontal Timbers (includes all labor, equipment, disposal and material)

<u>LENGTH</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
10'L	20	Each	\$_____	\$_____
12'L	74	Each	\$_____	\$_____
15'L	3	Each	\$_____	\$_____
		TOTAL		\$_____

5. 3x8 Diagonal Timbers (includes all labor, equipment, disposal and material)

<u>LENGTH</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
10'L	1	Each	\$_____	\$_____
12'L	13	Each	\$_____	\$_____
15'L	25	Each	\$_____	\$_____
TOTAL				\$_____

6. 26" SS All-Thread Hardware Assembly (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
396	EA	\$_____	\$_____

7. SS Nut & Washer (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
792	EA	\$_____	\$_____

8. 12"x35' Dia Pile, driven 10' into cap rock (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
143	EA	\$_____	\$_____

9. Conical PVC/HDPE Pile Caps (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
143	EA	\$_____	\$_____

10. Concrete Grout Mix & Rebar (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
1	LS	\$_____	\$_____

11. All components required for Boathouse Walkway Repairs (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
1	LS	\$_____	\$_____

12. All components required for H2 Dock Extension (includes all labor, equipment, disposal and material)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
1	LS	\$_____	\$_____

13. Additional 14" square concrete. x 35' Piles (location TBD) (includes all labor, equipment, disposal and material)

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
Dock Pile	0	EA	\$ 0.00	\$ 0.00
Fender/Mooring Pile	0	EA	\$ 0.00	\$ 0.00
TOTAL				\$ 0.00

14. General Allowance (only to be used with Owner's written approval)

<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>SUBTOTAL</u>
1	LS	\$ 100,000	\$ 100,000

TOTAL OF ALL EXTENDED LINE ITEMS LISTED ABOVE:

Total of lump sum items 1 - 14 \$_____

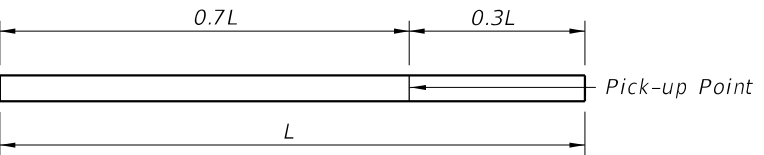
_____ Dollars & _____ Cents
(amount written in words)

NOTE: THE TOTAL BID WILL BE THE BASIS OF EVALUATING LOW BIDDER AND BASIS OF AWARD

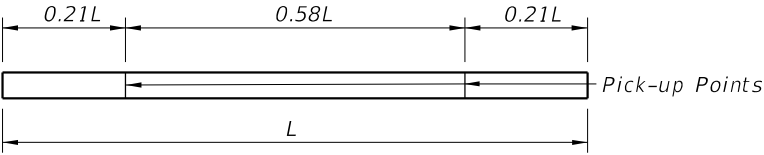
CONTRACTOR'S PROJECTED OPERATIONS LOAD AND COST ESTIMATE

List items to be performed by Contractor's own forces and the estimated total cost of these items.
(Use additional sheets if necessary.)

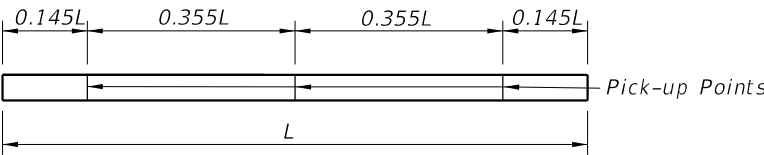
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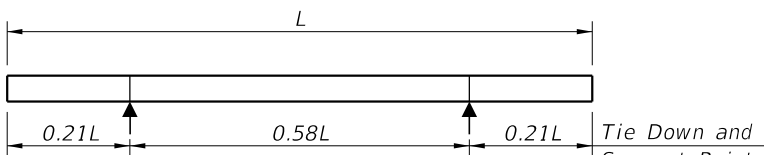
1-POINT PICK-UP



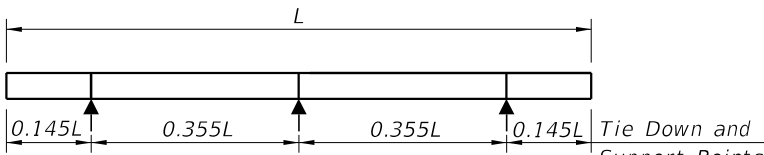
2-POINT PICK-UP



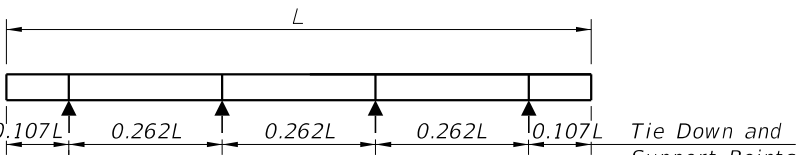
3-POINT PICK-UP
PILE PICK-UP DETAILS



2-POINT SUPPORT



3-POINT SUPPORT

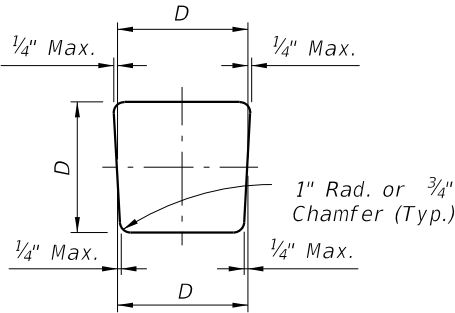


4-POINT SUPPORT
STORAGE AND TRANSPORTATION SUPPORT DETAILS

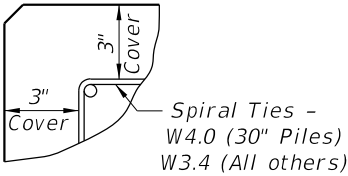
PRESTRESSED CONCRETE PILE NOTES:

- Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-002), the Prestressed Concrete Pile Standards (Index 455-012 thru 455-030), the High Moment Capacity Square Prestressed Concrete Pile (Index 455-031) and the Pile Data Table in the Structures Plans.
- Concrete:
 - Piles: Class V, except use Class VI for High Moment Capacity Pile (Index 455-031).
 - High Capacity Splice Collar: Class V.
 - See "GENERAL NOTES" in the Structures Plans for locations where the use of Highly Reactive Pozzolans is required.
- Concrete strength at time of prestress transfer:
 - Piles: 4,000 psi minimum.
 - High Moment Capacity Piles: 6,500 psi minimum.
- Carbon-Steel Reinforcing:
 - Bars: Meet the requirements of Specification Section 415.
 - Prestressing Strands: Meet the requirements of Specification Section 933.
 - Protect all strands permanently exposed to the environment and not embedded under final conditions in accordance with Specification Section 450.
- Spiral Ties:
 - Tie each wrap of the spiral strand to a minimum of two corner strands.
 - One full turn required for spiral splices.
- Pile Splices: Fill dowel holes and form the joint between pile sections with a Type AB Epoxy Compound in accordance with Specification Section 926. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.

TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS							
	D = Square Pile Size (inches)					Required Storage and Transportation Detail	Pick-Up Detail
	12	14	18	24	30		
Maximum Pile Length (Feet)	48	52	59	68	87	2, 3, or 4 point	1 Point
	69	75	85	98	124	2, 3, or 4 point	2 Point
	99	107	121	140	178	3 or 4 point	3 Point

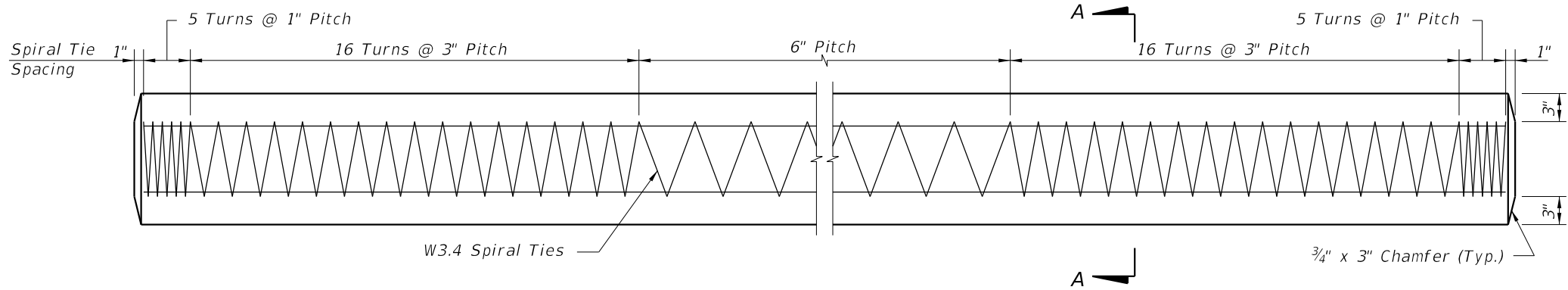


TYPICAL PILE SHAPE
FOR MOLD FORMS

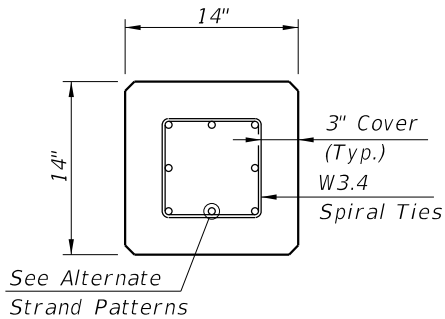


DETAIL SHOWING
TYPICAL COVER

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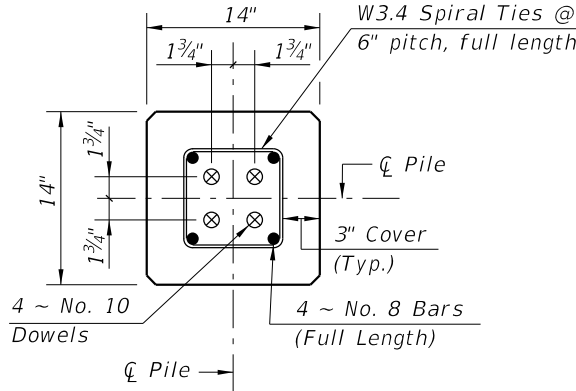
ELEVATION



SECTION A-A

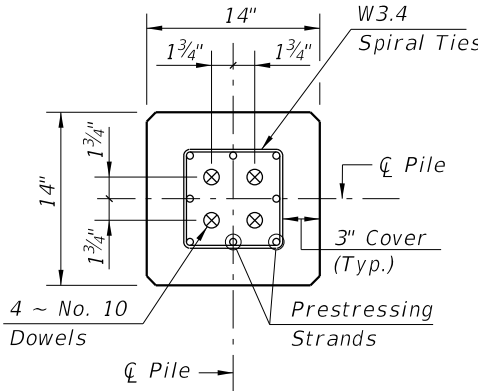
ALTERNATE STRAND PATTERNS

- 8 ~ 0.6" Ø, Grade 270 LRS, at 33 kips
- 8 ~ 1/2" Ø (Special), Grade 270 LRS, at 31 kips
- 8 ~ 1/2" Ø, Grade 270 LRS, at 31 kips
- 12 ~ 7/16" Ø, Grade 270 LRS, at 21 kips
- 16 ~ 3/8" Ø, Grade 270 LRS, at 16 kips



SECTION D-D

(See Non-Drivable Unforeseen Reinforced Precast Splice Detail)



SECTION E-E

(See Drivable Unforeseen Prestressed Precast Splice Detail)

PILE SPLICE REINFORCEMENT DETAILS

- NOTES:
- Work this Index with Index 455-001 - Typical Details and Notes for Square Prestressed Concrete Piles and Index 455-002 - Square Prestressed Concrete Pile Splices.
 - Any of the given Alternate Strand Patterns may be utilized. The strands shall be located as follows:
Place one strand at each corner and place the remaining strands equally spaced between the corner strands.
The total strand pattern shall be concentric with the nominal concrete section of the pile.

LAST
REVISION
01/01/12

REVISION

DESCRIPTION:



FY 2025-26
STANDARD PLANS

14" SQUARE PRESTRESSED CONCRETE PILE

INDEX
455-014

SHEET
1 of 1