
Index 455-031

30” Square Prestressed Concrete Pile – High Moment Capacity

ORIGINATION

Date: June 19 13, 2019

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COMMENTARY

Added void length dimension for EDC.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **RED** = Standard Plans Response

Name: Rafiq Darji, P.E.

Date: September 25, 2019

COMMENT:

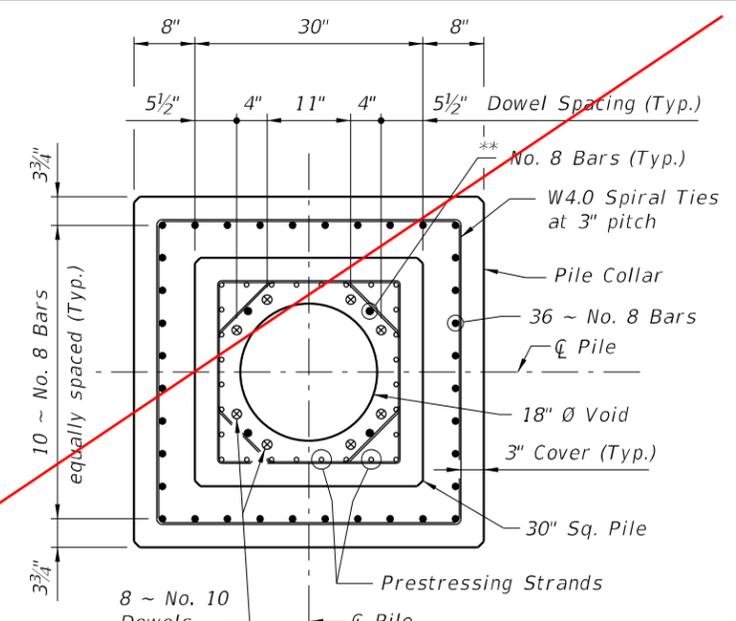
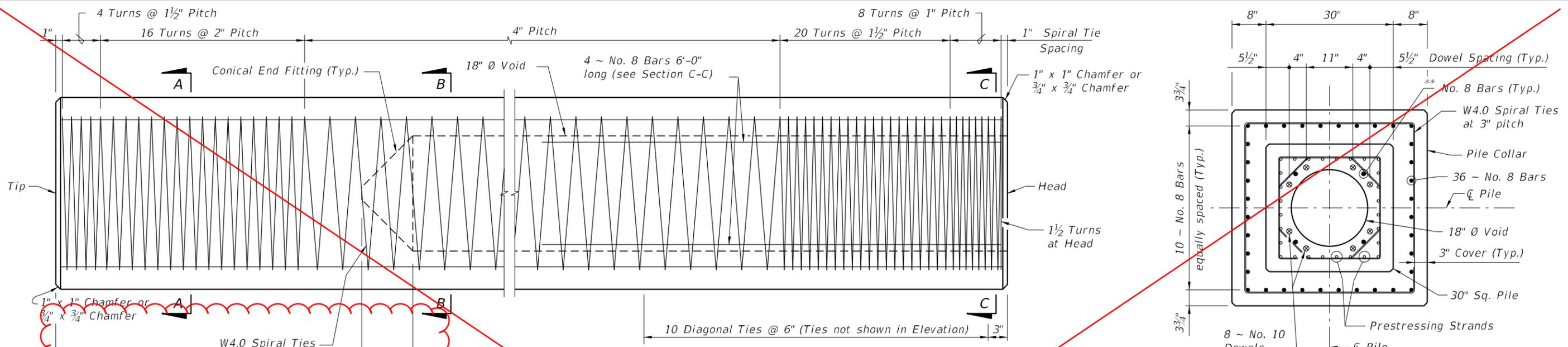
This is a follow up to our yesterday’s meeting that discussed FDOT’s proposed changes to the FY2020 structures standard Index Sheets.

- Please revise and modify as necessary to address constructability issues (PDA and EDC options) for 30” piles as discussed.

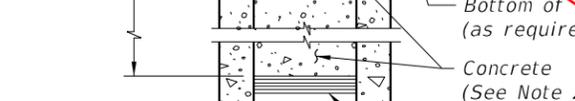
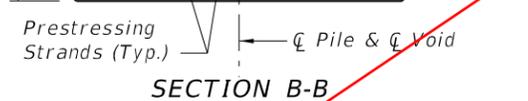
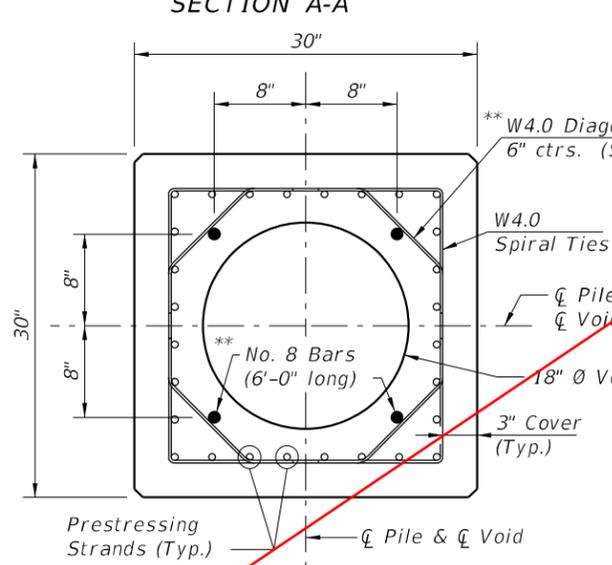
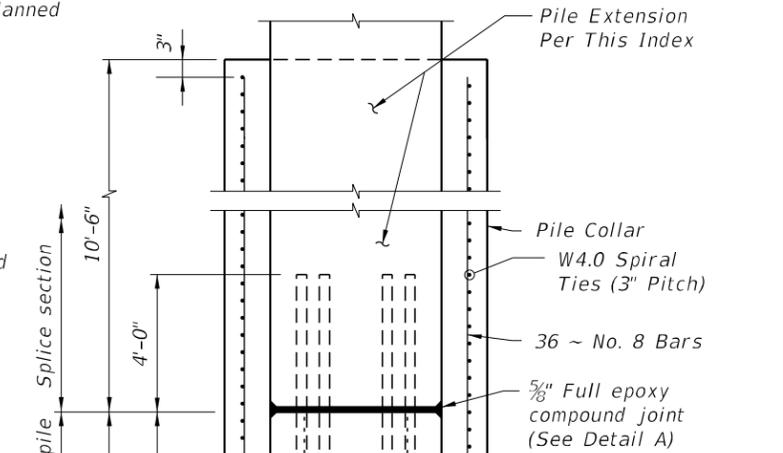
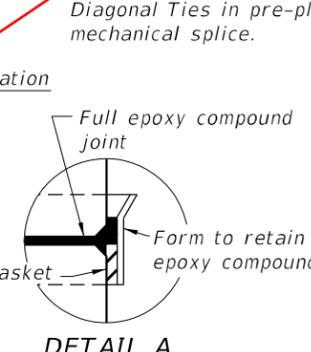
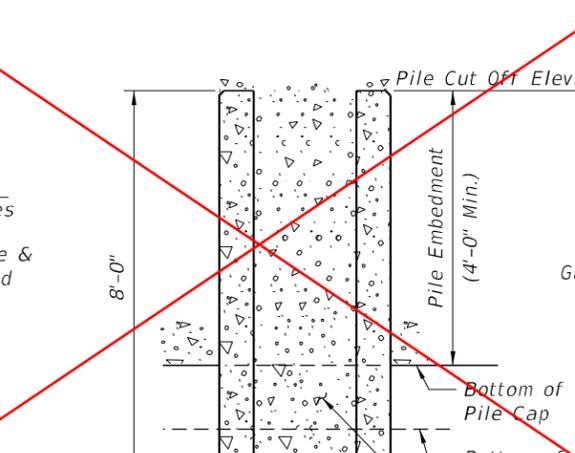
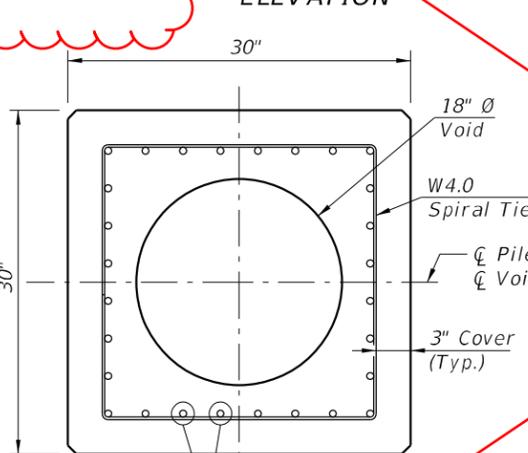
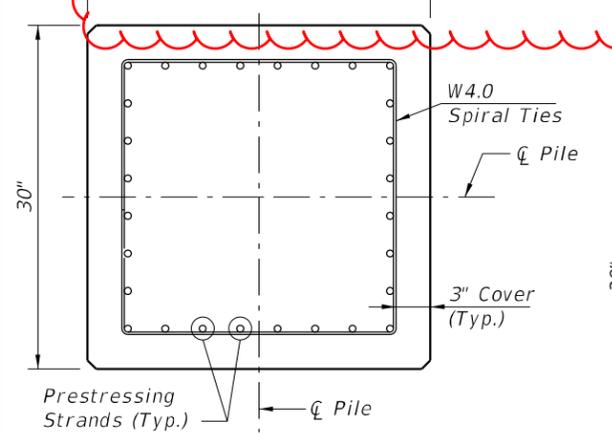
RESPONSE:

Date: September 25, 2019

The 30” pile changes will not be made.



11'-0" Solid Section (PDA)
30'-0" Solid Section (EDC)



- NOTES:
1. After the pile is driven and cut to grade, the top 8'-0" of the 18" \emptyset Void shall be filled with concrete. Prior to filling the top 8'-0" of the 18" \emptyset Void with concrete, strip the cardboard form material from the void and sand/water blast all interface surfaces. Seal void and fill with potable water for 4-5 hours. Remove water to a surface-saturated-dry condition prior to making the concrete pour. In lieu of the cardboard form material and the surface preparation requirements described above, a stay-in-place corrugated thin wall galvanized pipe may be used. The concrete fill material shall be of the same type and strength as called for in the pile cap and paid for as substructure concrete.
 2. Collar concrete shall reach a strength of 6,000 psi before pile driving is resumed.
 3. Work this Index with Index 455-001 - Typical Details and Notes for Square Prestressed Concrete Piles.

NO CHANGE MADE

LAST REVISION 07/01/15	DESCRIPTION: 11/01/19	FDOT	FY 2019-20 STANDARD PLANS	30" SQUARE PRESTRESSED CONCRETE PILE - HIGH MOMENT CAPACITY	INDEX 455-031	SHEET 1 of 1
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