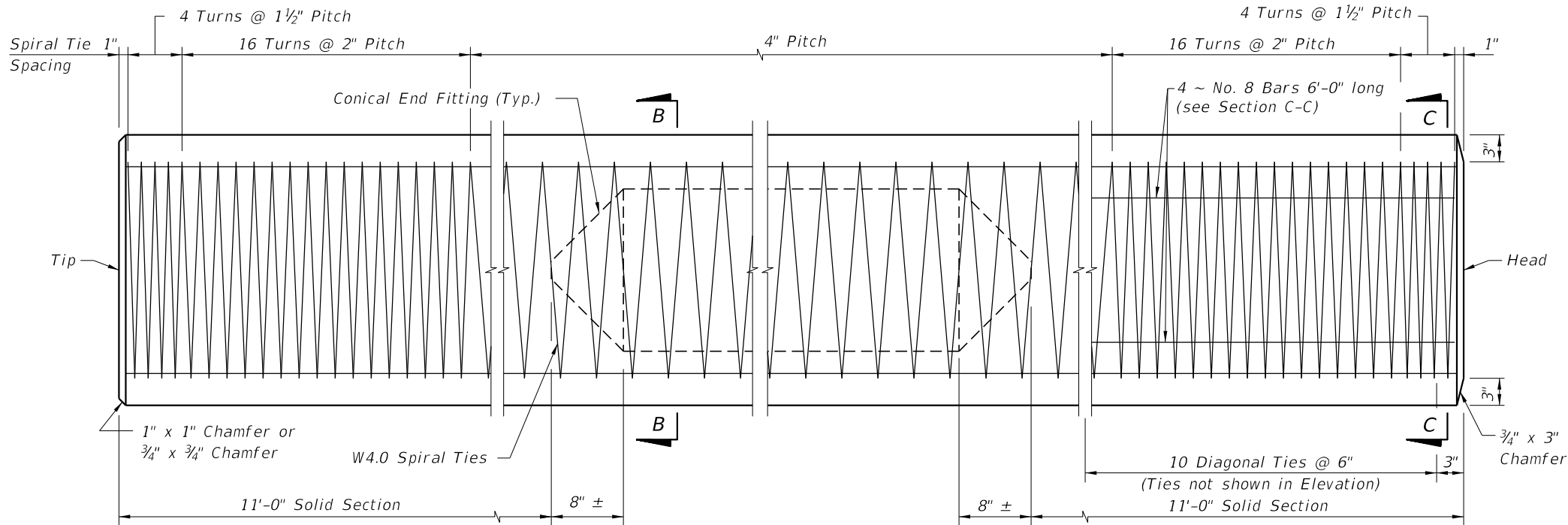
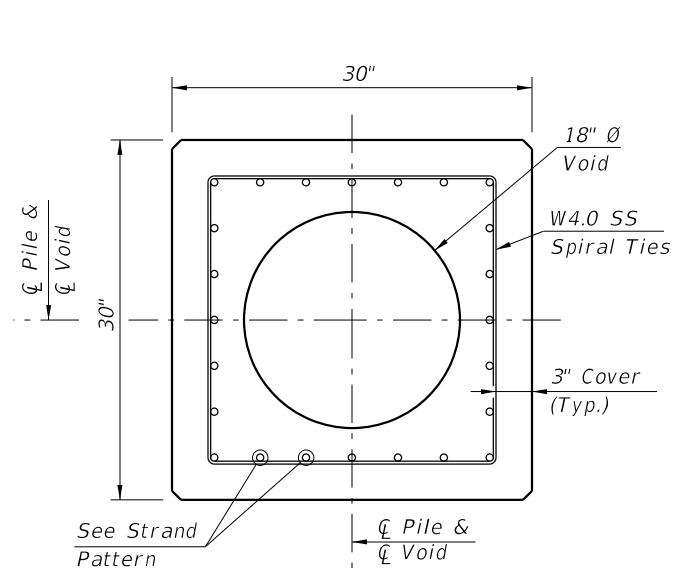


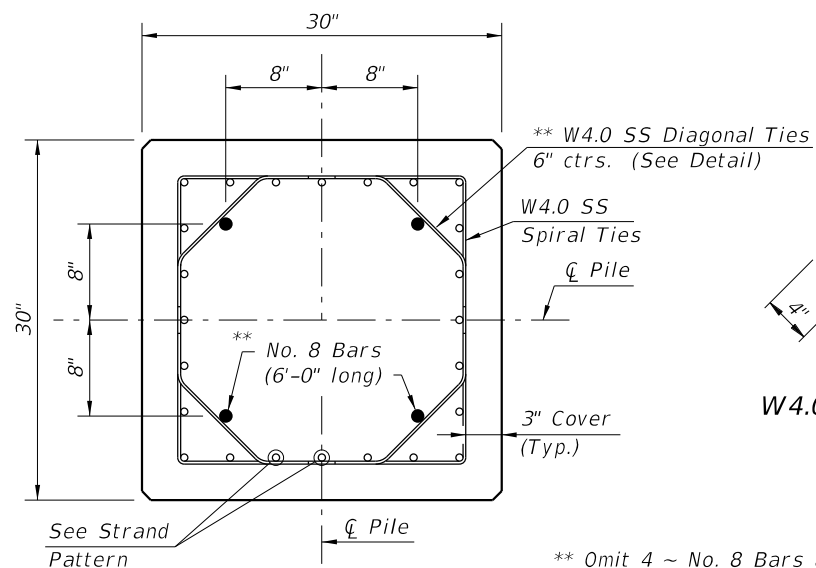


ELEVATION



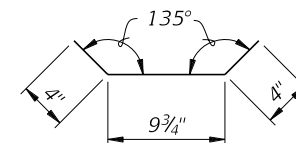
SECTION B-B

(See Pile Splice Reinforcement Details)



SECTION C-C

(See Pile Splice Reinforcement Details)



W4.0 DIAGONAL TIE DETAIL

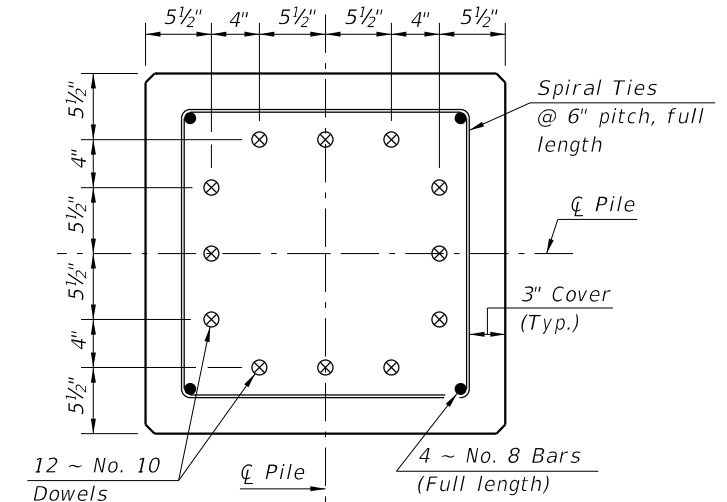
** Omit 4 ~ No. 8 Bars and Diagonal Ties in pre-planned mechanical splice.

NOTES:

- Any of the given 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.
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- Work this Index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFRP & SS Prestressed Concrete Pile Splices.

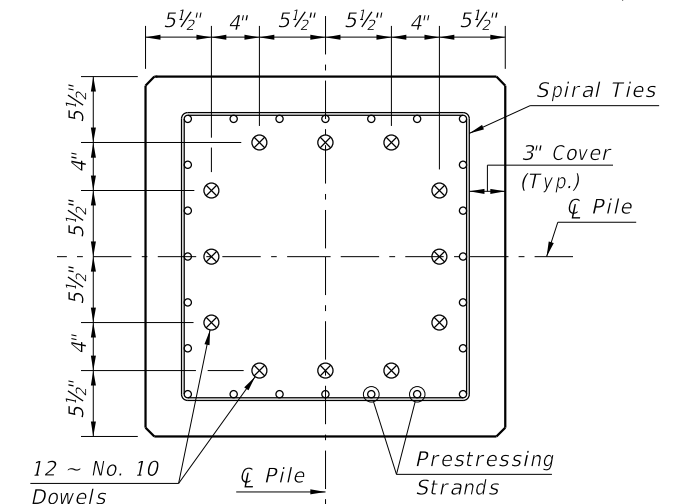
STRAND PATTERN

- 32 ~ 1/2" Ø, HSSS at 26 kips
- 24 ~ 0.6" Ø, HSSS at 35 kips



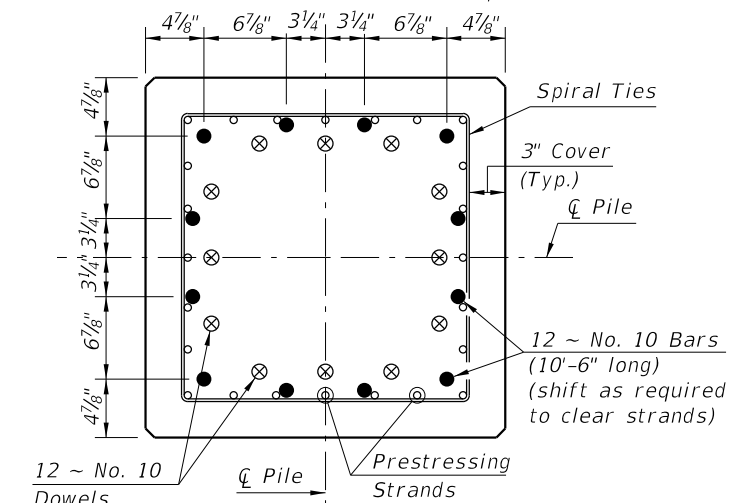
SECTION D-D

(See Non-Drivable Unforeseen Reinforced Precast Pile Build-Up Detail)



SECTION E-E

(See Drivable Prestressed Precast Pile Splice Detail)



SECTION F-F

(See Drivable Preplanned Prestressed Precast Pile Splice Detail)

SS PILE SPLICE DETAILS

SS PRESTRESSED PILE DETAILS



FY 2020-21
STANDARD PLANS

30" SQUARE CFRP & SS PRESTRESSED
CONCRETE PILE

INDEX
455-130

SHEET
2 of 2

LAST
REVISION
11/01/20

DESCRIPTION:

7/30/2020 4:52:13 PM

ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: March 12, 2020

Originator: Cheryl Hudson

Phone: 414-5332

Email: cheryl.hudson@dot.state.fl.us

Standard Plans:

Index Number: 455-130

Sheet Number (s): 1

Index Title: 30" CFRP & SS Prestressed Concrete Piles

Summary of the changes:

Added 0.6" HSSS strand

Commentary / Background:

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
☐	☒	Other Standard Plans –
☐	☒	FDOT Design Manual –
☐	☒	Basis of Estimates Manual –
☐	☒	Standard Specifications –
☐	☒	Approved Product List –
☐	☒	Construction –
☐	☒	Maintenance –

Origination Package Includes:

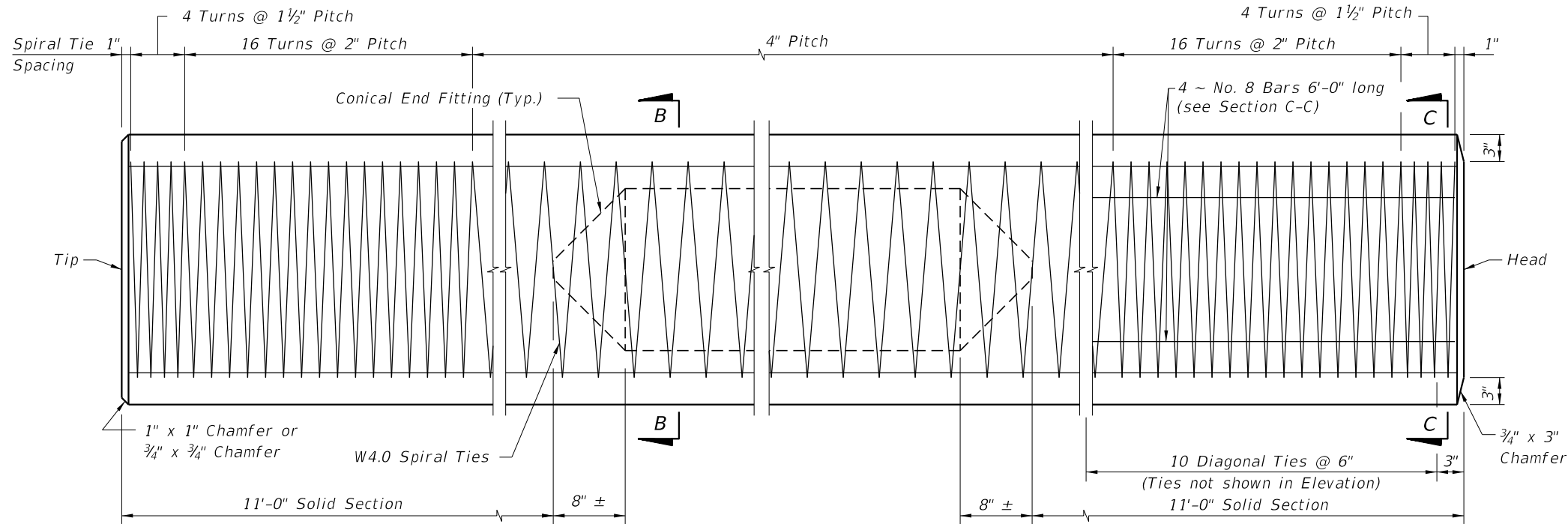
(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☒	Proposed Standard Plan Instruction (SPI)
☐	☒	Revised SPI
☐	☒	Other Support Documents

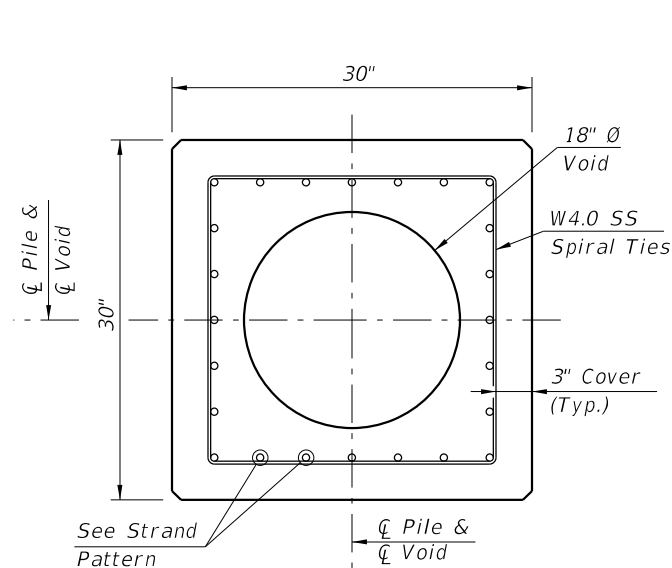
Implementation:

☐	Design Bulletin (Interim)
☐	DCE Memo
☐	Program Mgmt. Bulletin
☒	FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

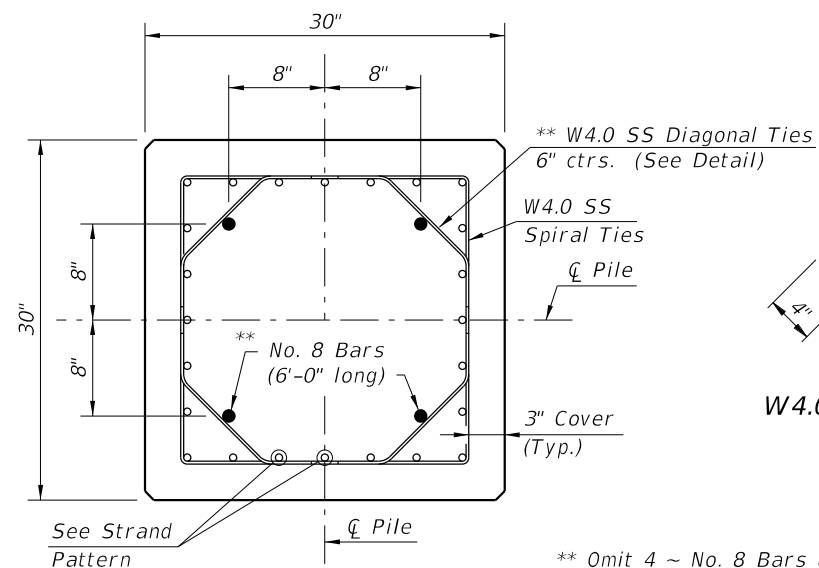


ELEVATION



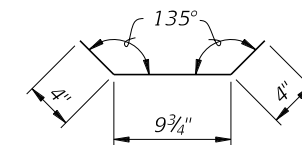
SECTION B-B

(See Pile Splice Reinforcement Details)



SECTION C-C

(See Pile Splice Reinforcement Details)

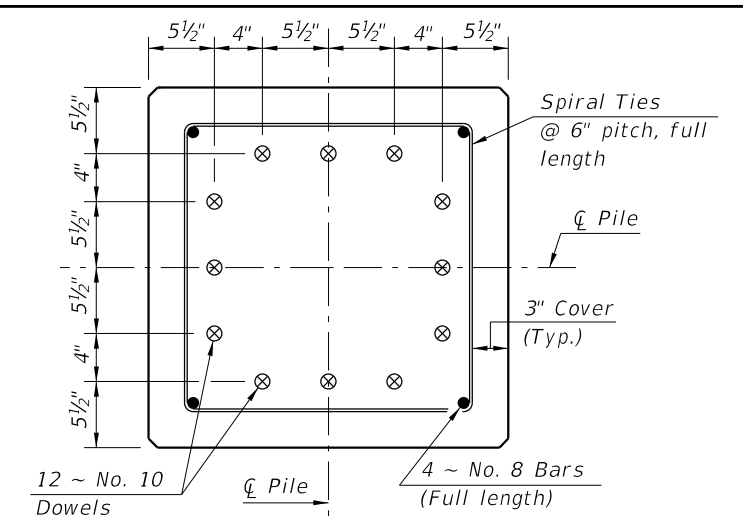


W4.0 DIAGONAL TIE
DETAIL

** Omit 4 ~ No. 8 Bars and Diagonal Ties
in pre-planned mechanical splice.

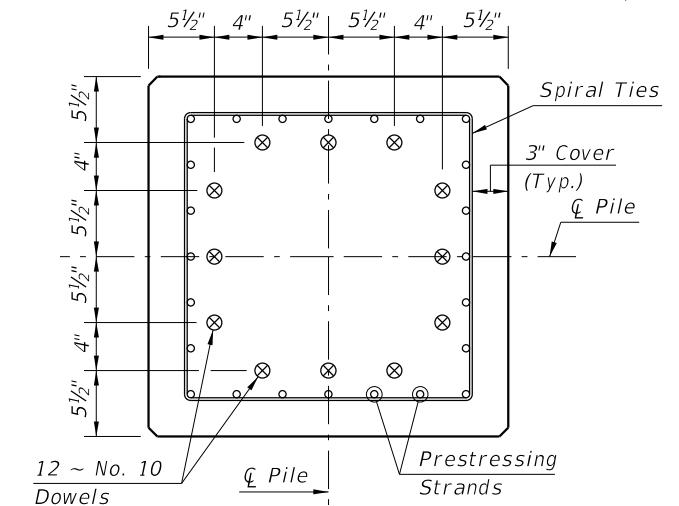
NOTES:

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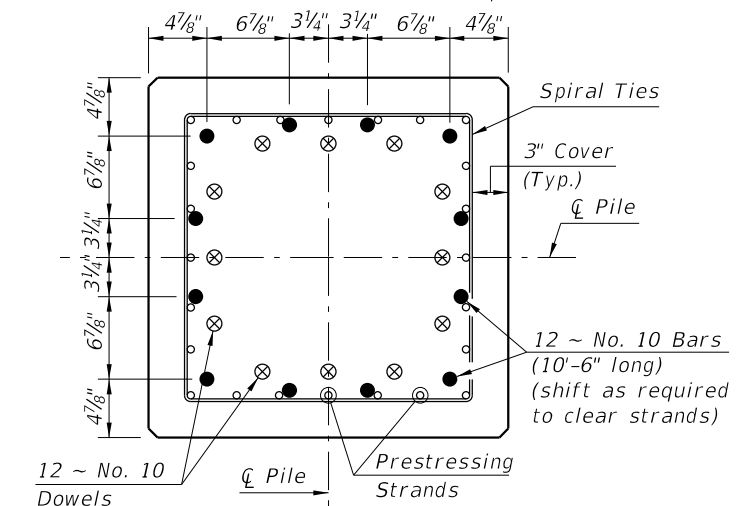
SECTION D-D

(See Non-Drivable Unforeseen Reinforced Precast Pile Build-Up Detail)



SECTION E-E

(See Drivable Prestressed Precast Pile Splice Detail)



SECTION F-F

(See Drivable Preplanned Prestressed Precast Pile Splice Detail)

SS PILE SPLICE DETAILS

SS PRESTRESSED PILE DETAILS

STRAND PATTERN

32 ~ 1/2" Ø, HSSS at 26 kips

24 ~ 0.6" Ø HSSS at 35 kips

20

10/14/2019

LAST REVISION	DESCRIPTION:
11/01/16	

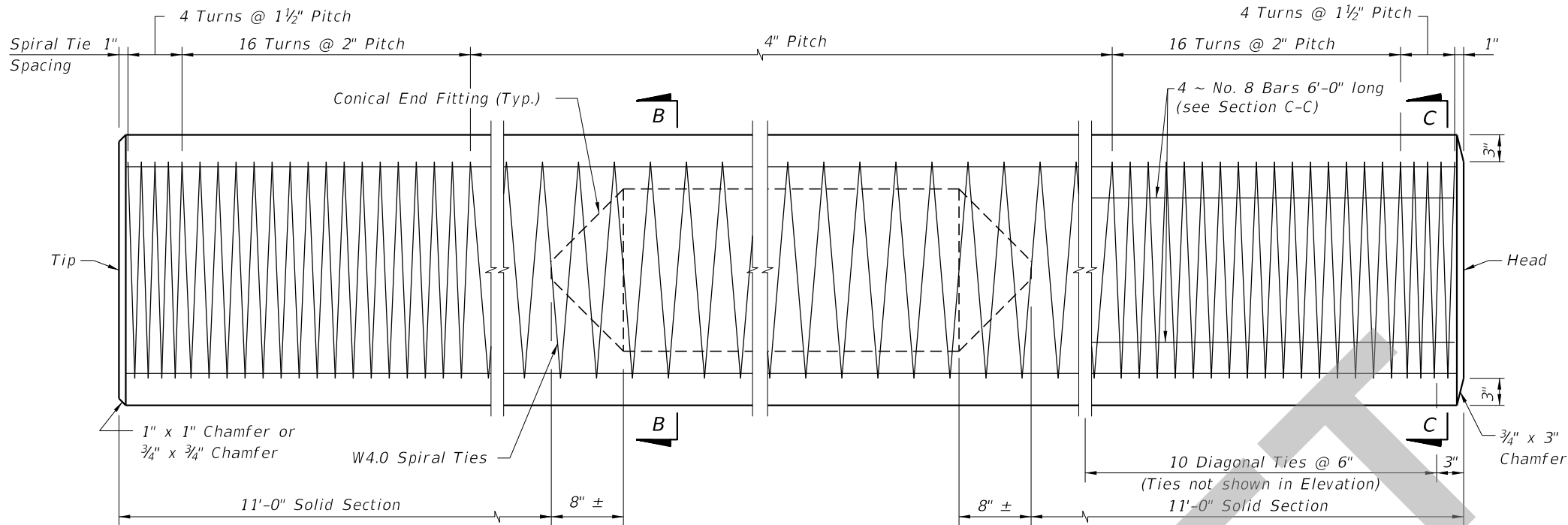


FY 2020-21
STANDARD PLANS

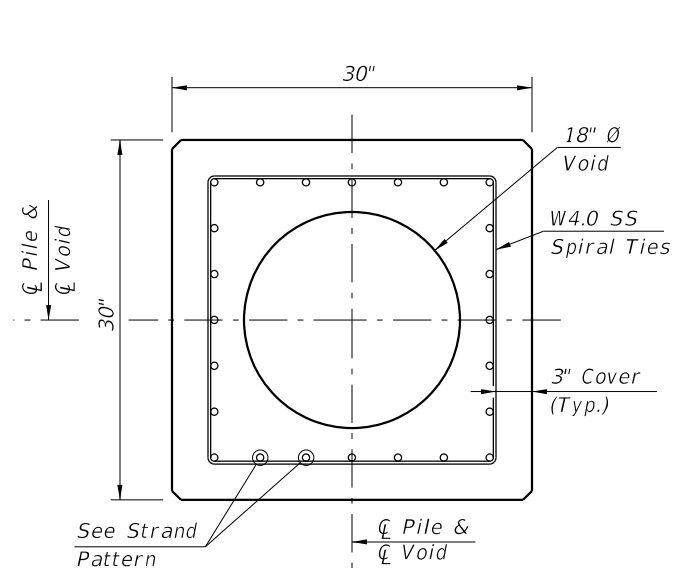
30" SQUARE CFRP & SS PRESTRESSED
CONCRETE PILE

INDEX
455-130

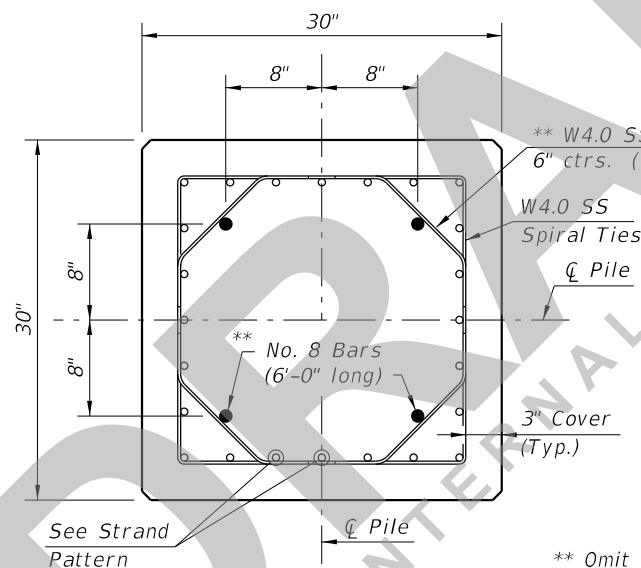
SHEET
2 of 2



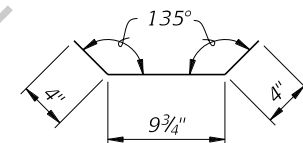
ELEVATION



SECTION B-B
(See Pile Splice Reinforcement Details)



SECTION C-C
(See Pile Splice Reinforcement Details)



W4.0 DIAGONAL TIE
DETAIL

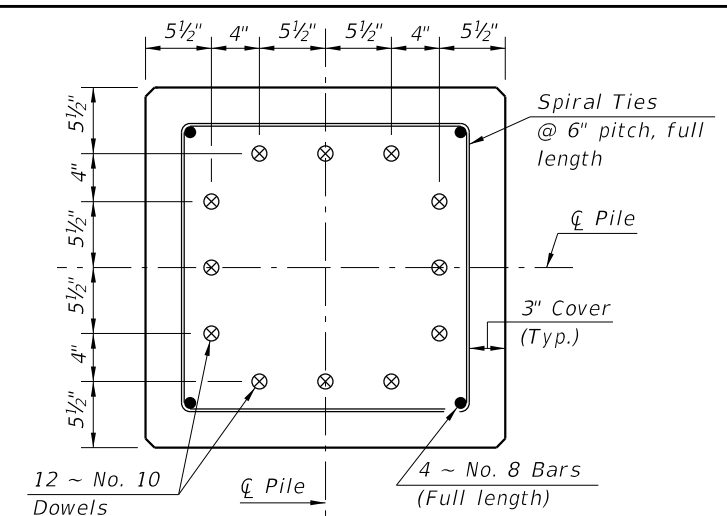
** Omit 4 ~ No. 8 Bars and Diagonal Ties in pre-planned mechanical splice.

NOTES:

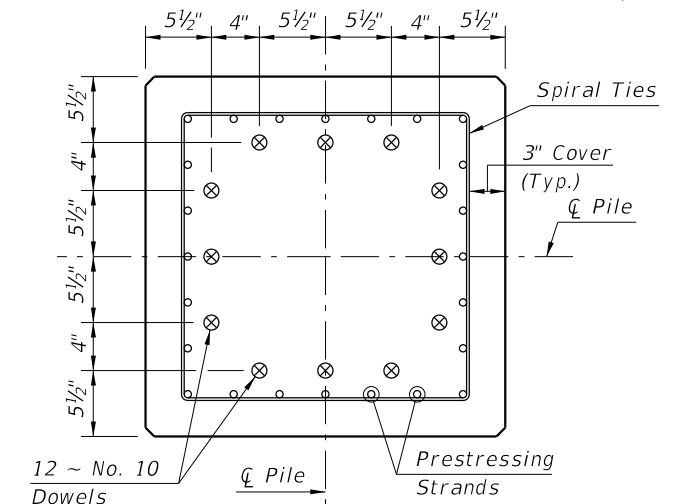
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STRAND PATTERN

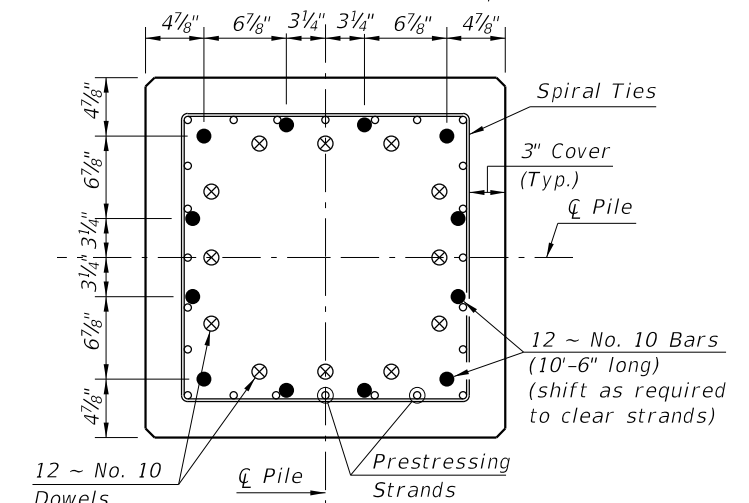
32 ~ 1/2" Ø, HSSS at 26 kips



SECTION D-D
(See Non-Drivable Unforeseen Reinforced Precast Pile Build-Up Detail)



SECTION E-E
(See Drivable Prestressed Precast Pile Splice Detail)



SECTION F-F
(See Drivable Preplanned Prestressed Precast Pile Splice Detail)

SS PILE SPLICE DETAILS

SS PRESTRESSED PILE DETAILS

7/27/2020 3:47:47 PM

LAST REVISION 11/01/16	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	30" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE	INDEX 455-130	SHEET 2 of 2
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