
ORIGINATION FORM

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

Contact Information:

Date: January 14, 2020

Originator: Cheryl Hudson

Phone: 414-5332

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

Standard Plans:

Index Number: 455-020

Sheet Number (s): ALL

Index Title: 20" Square Prestressed Concrete Pile

Summary of the changes:

Delete Index (Sheet 1 of 1)

Commentary / Background:

Uncommon size, not used; therefore the forms are not readily available should it be called for. Costs more than a 24" pile.

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:

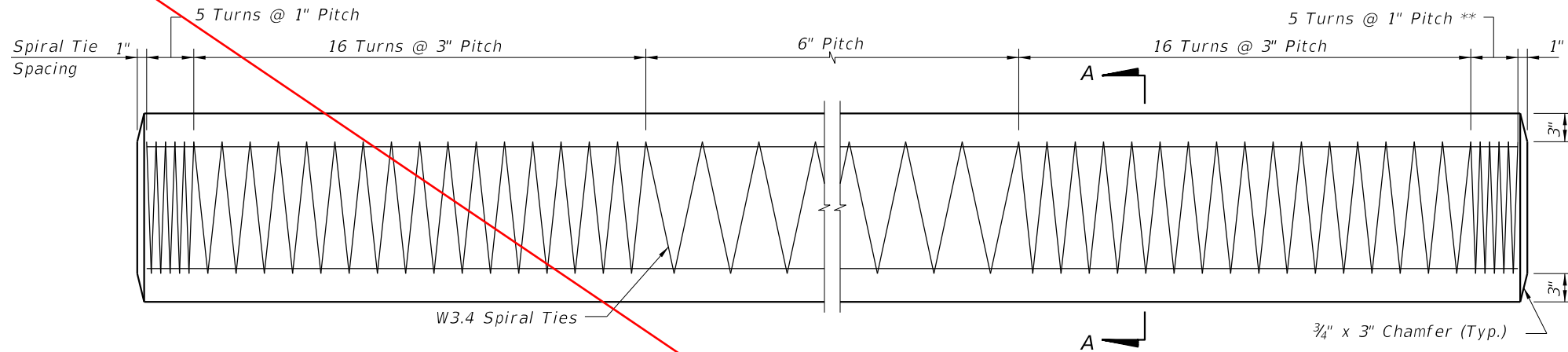
(Email or hand deliver package to Rick Jenkins)

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

Implementation:

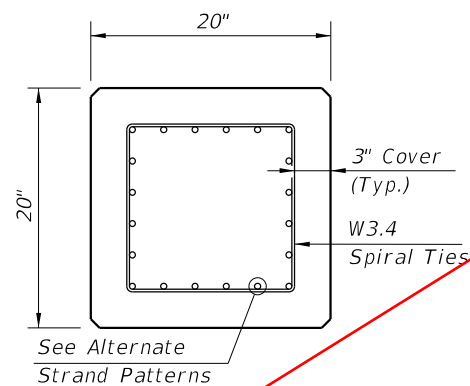
- ☐ Design Bulletin (Interim)
- ☐ DCE Memo
- ☐ Program Mgmt. Bulletin
- ☒ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form



ELEVATION

DELETE ENTIRE INDEX** See Note 4 on Index 455-002



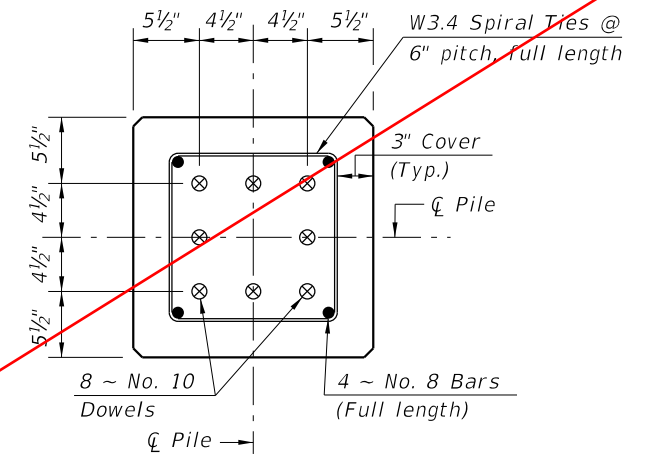
SECTION A-A

ALTERNATE STRAND PATTERNS

- 12 ~ 0.6" Ø, Grade 270 LRS, at 42 kips
- 16 ~ 1/2" Ø (Special), Grade 270 LRS, at 31 kips
- 16 ~ 1/2" Ø, Grade 270 LRS, at 31 kips
- 24 ~ 7/16" Ø, Grade 270 LRS, at 21 kips

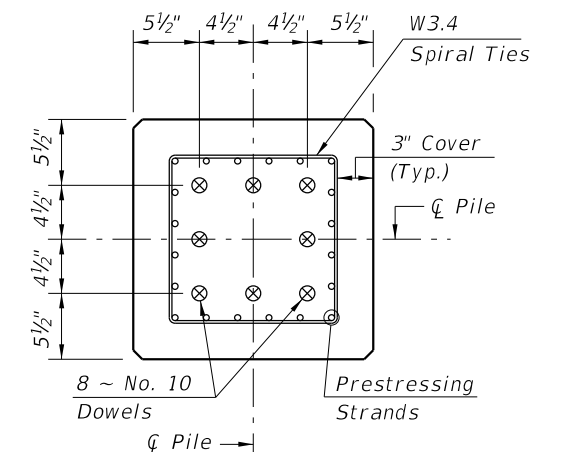
NOTES:

1. 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.
2. 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.



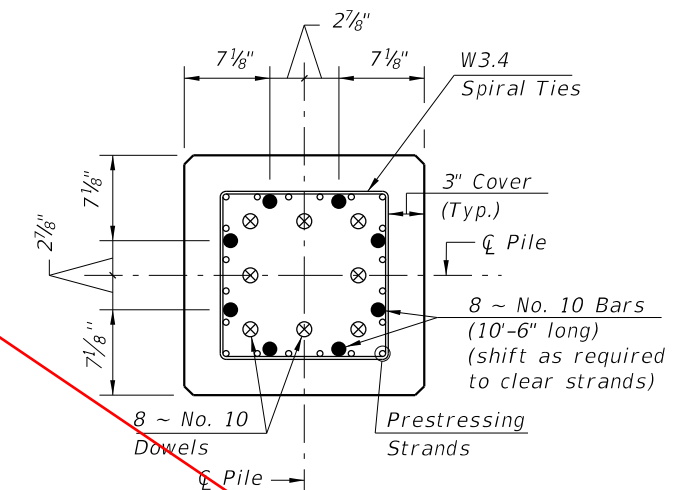
SECTION D-D

(See Non-Drivable Unforeseen Reinforced Precast Pile Splice Detail)



SECTION E-E

(See Drivable Prestressed Precast Pile Splice Detail)



SECTION F-F

(See Drivable Preplanned Pile Splice Detail)

PILE SPLICE REINFORCEMENT DETAILS

10/14/2019 3:59:47 PM

LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21 STANDARD PLANS	20" SQUARE PRESTRESSED CONCRETE PILE	INDEX	SHEET
01/01/12					455-020	1 of 1