# 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: 455-114

Sheet Number (s): 1

Index Title: 14" 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:**

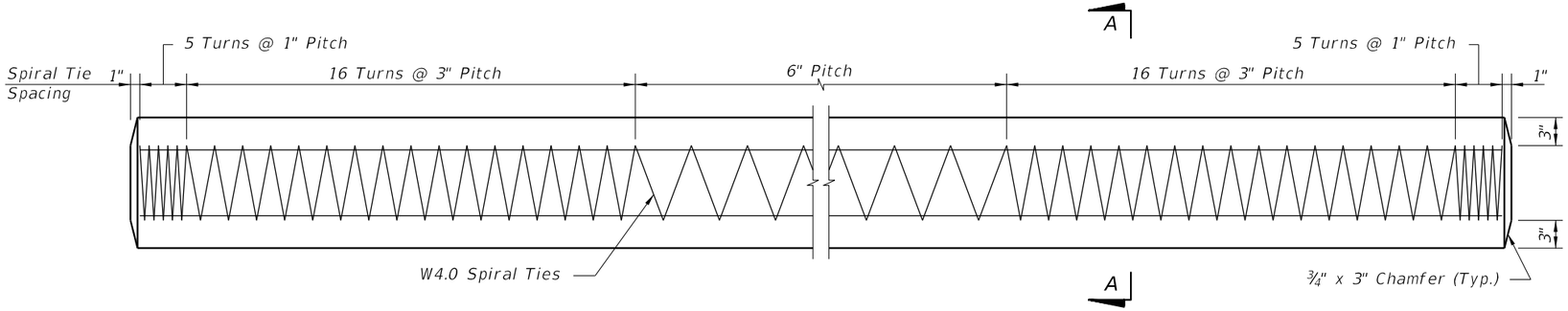
(Email or hand deliver package to Rick Jenkins)

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

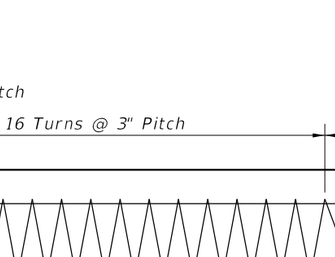
**Implementation:**

- ☐ 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

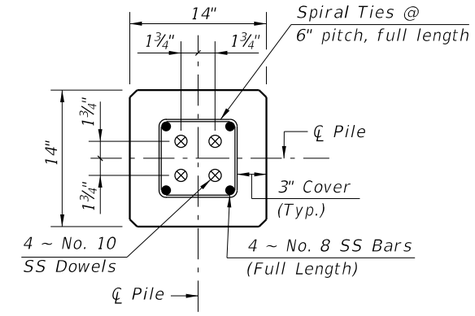



SECTION A-A

**STRAND PATTERN**

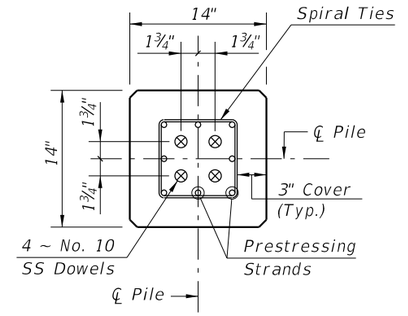
12 ~ ½" Ø, HSSS at 23 kips

8~ 0.6" Ø, HSSS @ 35 kips




SECTION D-D

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




SECTION E-E

(See Drivable Unforeseen Prestressed Precast Splice Detail)

SS PILE SPLICE REINFORCEMENT DETAILS

NOTES:

1. 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.
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.

SS PRESTRESSED PILE DETAILS

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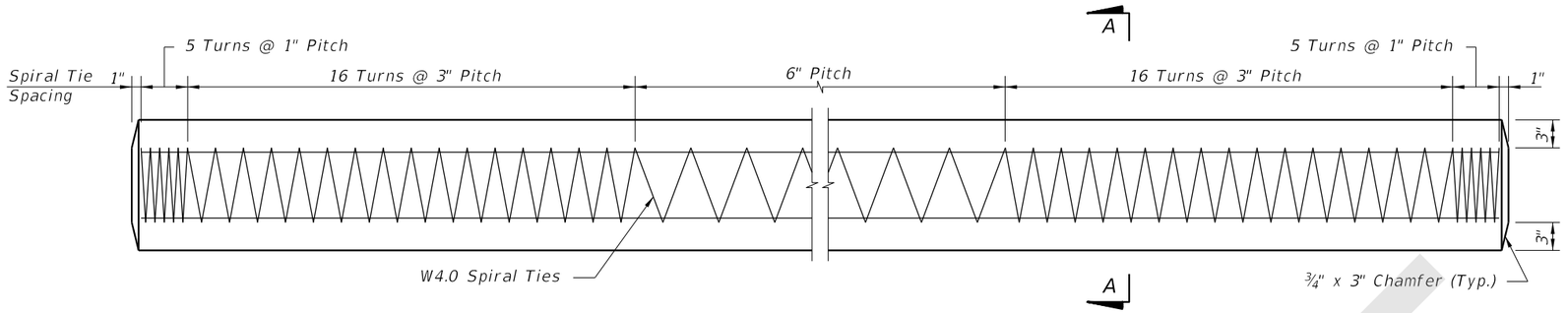
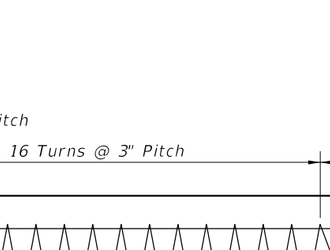
| LAST REVISION | REVISION | DESCRIPTION: | FDOT FY 2020-21 STANDARD PLANS | 14" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE | INDEX | SHEET |
|---|---|---|---|---|---|---|
| 01/01/16 | | | | | 455-114 | 2 of 2 |




ELEVATION




SECTION A-A

## STRAND PATTERN

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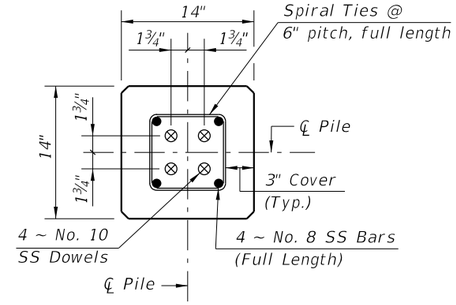
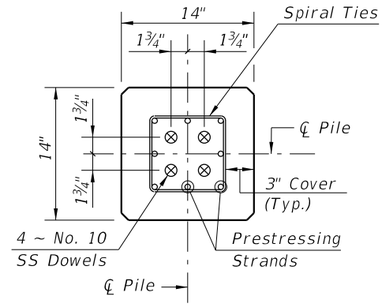



SECTION D-D

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




SECTION E-E

(See Drivable Unforeseen Prestressed Precast Splice Detail)

SS PILE SPLICE REINFORCEMENT DETAILS

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SS PRESTRESSED PILE DETAILS

DRAFT

7/17/2020 6:05:18 AM

| LAST REVISION | REVISION | DESCRIPTION: | FDOT | FY 2020-21 STANDARD PLANS | 14" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE | INDEX | SHEET |
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