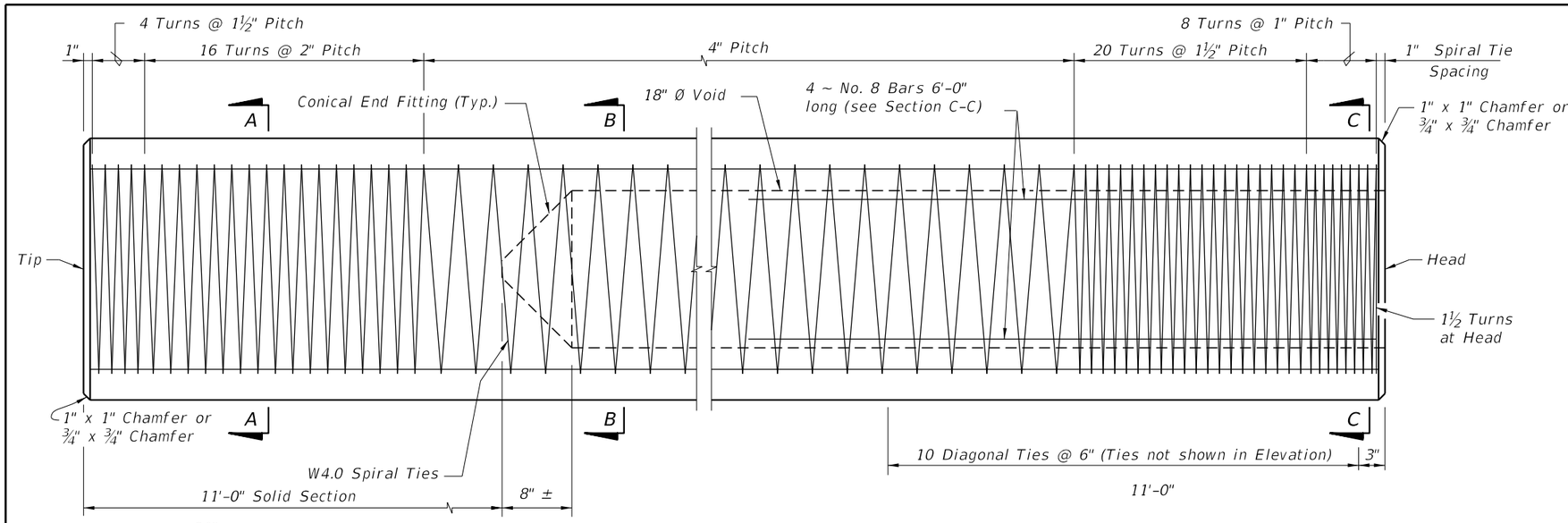
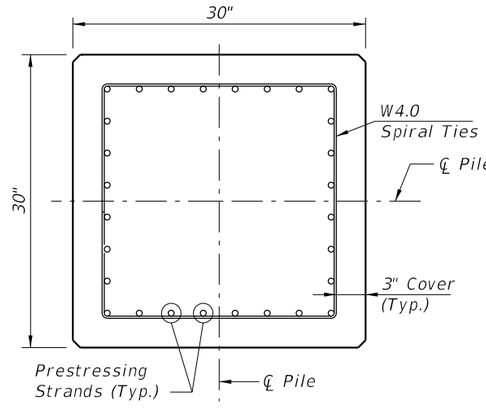
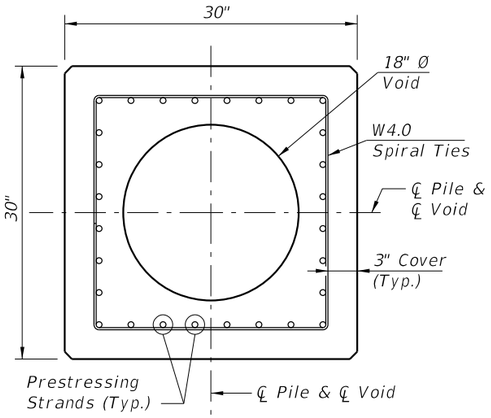


ELEVATION



SECTION A-A



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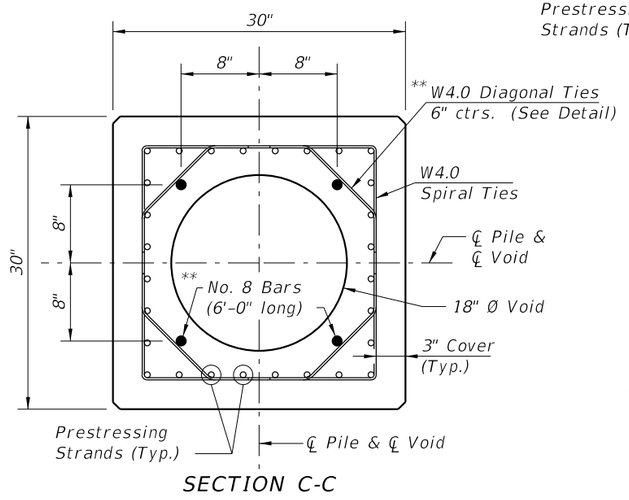
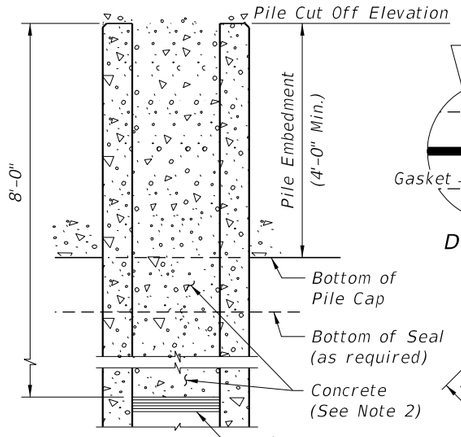


SECTION C-C

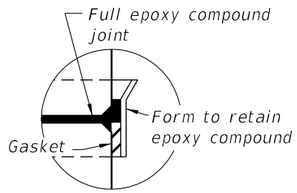
STRAND PATTERN

28 ~ 0.6" Ø, Grade 270 LRS, at 29.5 kips

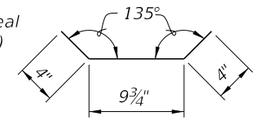


SECTION THROUGH PILE AT PILE CAP

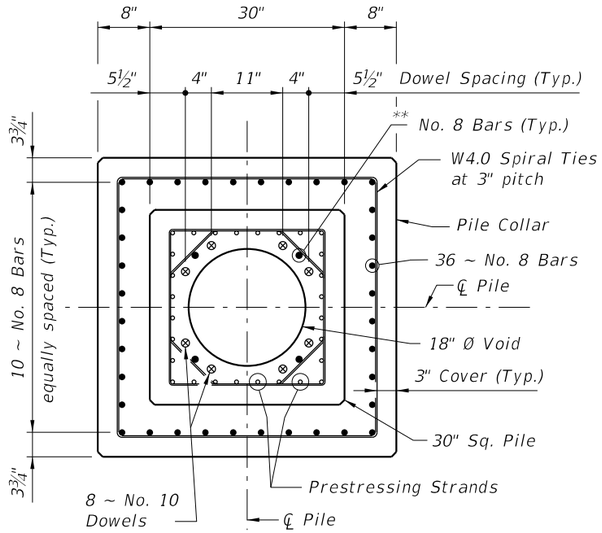
** Omit 4 ~ No. 8 Bars and Diagonal Ties in pre-planned mechanical splice.



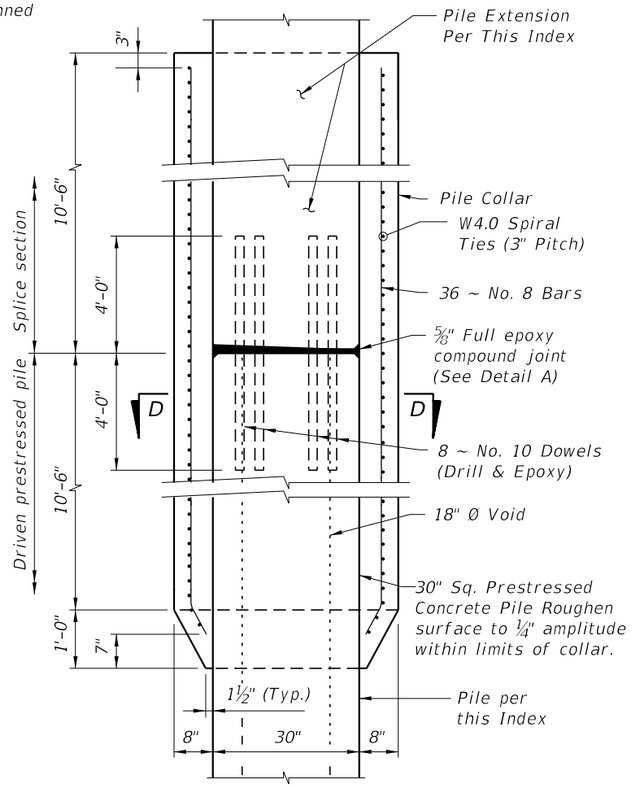
DETAIL A



W4.0 DIAGONAL TIE DETAIL



SECTION D-D
SECTION THRU PILE COLLAR



DETAIL OF PILE COLLAR FOR HIGH MOMENT CAPACITY 30" SQUARE PRESTRESSED PILE
-PILE SPLICE DETAIL-

NOTES:
1. After the pile is driven and cut to grade, the top 8'-0" of the 18" Ø Void shall be filled with concrete. Prior to filling the top 8'-0" of the 18" Ø 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 No. 20600 – Notes and Details for Square Prestressed Concrete Piles.

12/17/2015 1:44:37 PM

LAST REVISION	REVISION	DESCRIPTION:				
07/01/15			FDOT FY 2016-17 DESIGN STANDARDS	HIGH MOMENT CAPACITY 30" SQUARE PRESTRESSED CONCRETE PILE	INDEX NO. 20631	SHEET NO. 1 of 1