PRESTRESSED CONCRETE PILE NOTES:

- 1. Work this Index with the Square Prestressed Concrete Pile Splices (Index 22601), the Prestressed Concrete Pile Standards (Index 22612, 22614, 22618, 22624, 22630, and the Pile Data Table in the Structures Plans. 2. Concrete:
- A. Piles: Class V (Special)
- В. strand and reinforcing.
- 3. Concrete strength at time of prestress transfer: A. Piles: 4,000 psi minimum.
- 4. Reinforcing: Α.
 - Bars:

 - 304, Grade 75. b. Carbon FRP: Meet the requirements of Specification Section 932.
 - B. Prestressing Strands:
 - strand, meeting the requirements of pecification Section 933.
- 5. Spiral Ties: A. Tie each wrap of the spiral strand to a minimum of two corner strands.
- В. One full turn required for spiral splices.
- Compound in accordance with Specification Section 962. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.



TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS							
	D = Square Pile Size (inches)				nches)	Required Storage and	Pick-Up Detail
	12	12 14 18 24 30 Transportat		Transportation Detail			
Maximum	48	52	59	68	87	2, 3, or 4 point	1 Point
Pile Lenath	69	75	85	98	124	2, 3, or 4 point	2 Point
(Feet)	99	107	121	140	178	3 or 4 point	3 Point





DETAIL SHOWING TYPICAL COVER



NOTES AND DETAILS FOR SQUAR & SS PRESTRESSED CONCRETE

Silica Fume: See "GENERAL NOTES" in the Structures Plans for locations where the use of silica fume, metakaolin or ultra-fine flyash is required for options using stainless steel

a. Stainless Steel: Meet the requirements of Specification Section 931 for Type

a. Stainless Steel: Seven-wire HSSS, UNS S32205 (Type 2205) or UNS S31803 b. Carbon FRP: Meet the requirements of Specification Section 933.

6. Pile Splices: Fill dowel holes and form the joint between pile sections with a Type AB Epoxy

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- When preformed dowel holes are utilized, the 1" spiral tie pitch shall be continued to 4'-0" below the head of the pile, See Index Nos. 22618, 22624. Preformed holes shall utilize either removable preforming material or stay-in-place corrugated galvanized steel ducts. Stay-in-place ducts shall be fabricated from galvanized sheet steel meeting the requirements of ASTM A653, Coating Designation G90, 26 gauge. Ducts shall be 11/2" diameter for CFRP Bars, and 2" diameter for SS Bars with a minimum corrugation (rib) height of 0.12 in. Ducts shall be fabricated with either welded or interlocked seams. Galvanizing of welded seams will not be required.
- Elevation to achieve development as approved by the Engineer.





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SS PRESTRESSED PILE DETAILS

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DESIGN STANDARDS



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CONCRETE PILE



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SS POST-TEN	SIONED P	ILE DETAILS
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