## PRESTRESSED CONCRETE PILE NOTES:

- the Structures Plans.
- 2. Concrete:
- A. Piles: Class V (Special), except use Class VI for High Moment Capacity Pile (Index 455-031).
- В. High Capacity Splice Collar: Class V (Special). C.
- the use of silica fume, metakaolin or ultra-fine flyash is required. 3. Concrete strength at time of prestress transfer:
- Piles: 4,000 psi minimum. Α.
- B. High Moment Capacity Piles: 6,500 psi minimum. 4. Carbon-Steel Reinforcing:
- Α. Bars: Meet the requirements of Specification Section 415.
- Β.
- С. under final conditions in accordance with Specification Section 450.
- 5. Spiral Ties:
- A. Tie each wrap of the spiral strand to a minimum of two corner strands. B. One full turn required for spiral splices.
- 6. Pile Splices: Fill dowel holes and form the joint between pile sections with a Type AB Compound or an Epoxy Mortar as recommended by the Manufacturer.

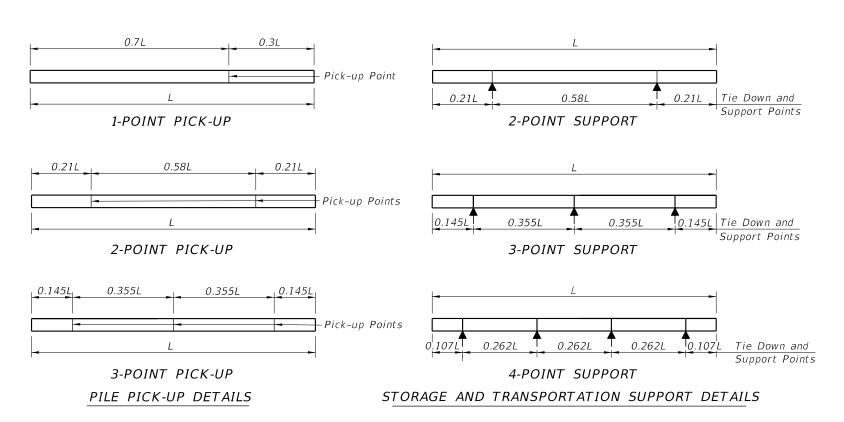
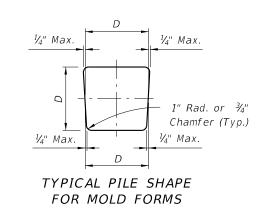
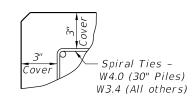


TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS									
	D = Square Pile Size (inches)					Required Storage and	Dick Up Datail		
	12	14	18	20	24	30	Transportation Detail	Pick-Up Detail	
Maximum	48	52	59	62	68	87	2, 3, or 4 point	1 Point	
Pile Length (Feet)	69	75	85	89	98	124	2, 3, or 4 point	2 Point	
	99	107	121	128	140	178	3 or 4 point	3 Point	





DETAIL SHOWING TYPICAL COVER

LAST REVISION 11/01/16

DESCRIPTION:



FY 2020-21 STANDARD PLANS

SQUARE PRESTRESSED CONCRET - TYPICAL DETAILS & NOTI

1. Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-002), the Prestressed Concrete Pile Standards (Index 455-012 thru 455-030), the High Moment Capacity Square Prestressed Concrete Pile (Index 455-031) and the Pile Data Table in

Silica Fume: See "GENERAL NOTES" in the Structures Plans for locations where

Prestressing Strands: Meet the requirements of Specification Section 933. Protect all strands permanently exposed to the environment and not embedded

Epoxy Compound in accordance with Specification Section 962. Use an Epoxy Bonding

E PILES	INDEX	SHEET
ES	455-001	1 of 1