

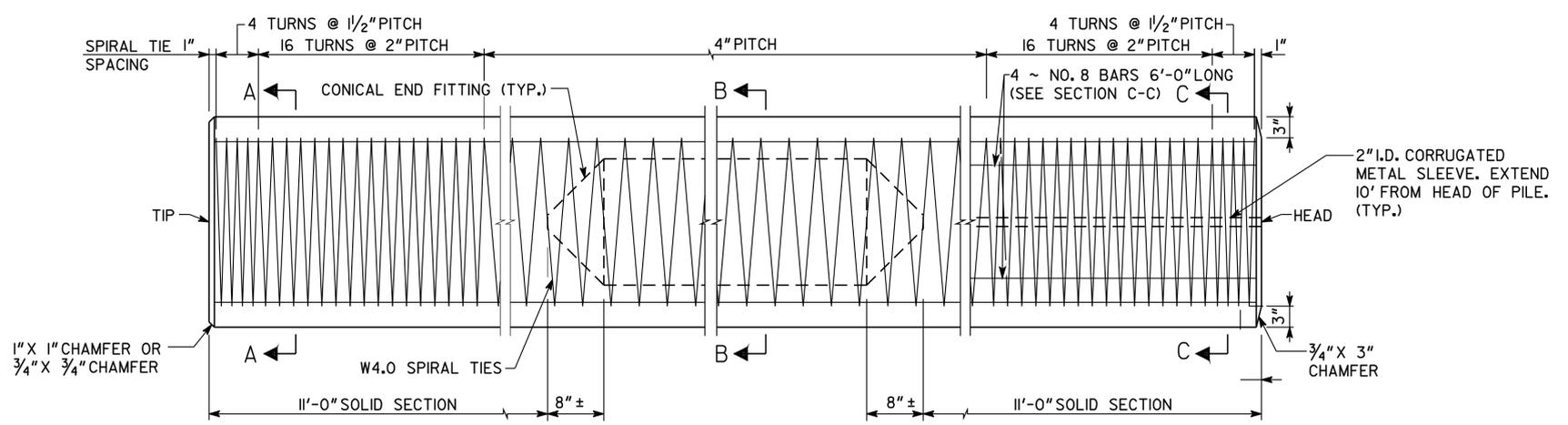
RELEASED FOR CONSTRUCTION 10-05-2010

PRESTRESSED CONCRETE PILE NOTES:

- SPIRAL TIES:**
SPIRAL TIES SHALL BE TIED TO ALL CORNER STRANDS.
- CONCRETE STRENGTH:**
THE PILE CYLINDER STRENGTH SHALL BE 5,000 PSIMIMUM AT 28 DAYS AND 4,000 PSIMIMUM AT TIME OF TRANSFER OF THE PRESTRESSING FORCE.
- PICK-UP POINTS:**
PILES SHALL BE MARKED AT THE PICK-UP POINTS TO INDICATE PROPER POINTS FOR ATTACHING HANDLING LINES.
- REINFORCING STEEL:**
ALL REINFORCING STEEL SHALL BE GRADE 60, EXCEPT THAT SPIRAL TIES SHALL BE MANUFACTURED FROM COLD-DRAWN STEEL WIRE MEETING THE REQUIREMENTS OF ASTM A82.
- PRESTRESSING STEEL:**
USE 28 - 1/2" DIAMETER "SPECIAL" LOW-RELAXATION (A = 0.167 SQ IN) STRANDS. PRETENSION ALL STRANDS TO 33.8 KIPS EACH.

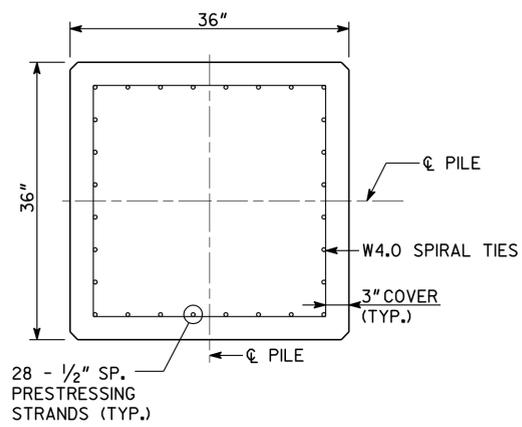
DESIGN DATA

CONCRETE-----5,000 PSICLASS AAA
 PRETENSIONED STRANDS----- 270K
 TOTAL LOSSES-----22% OF INITIAL PRETENSION FORCE
 WIRE SPIRALS-----A.S.T.M. A82

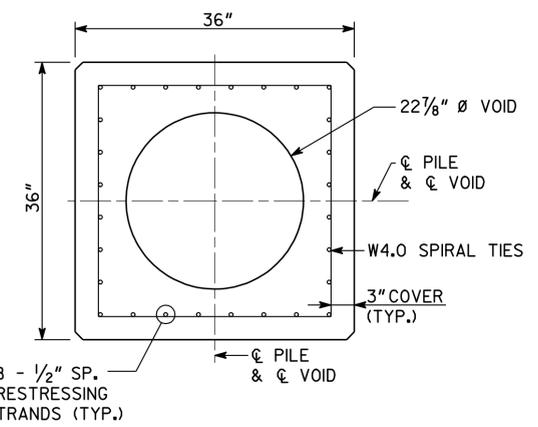


ELEVATION

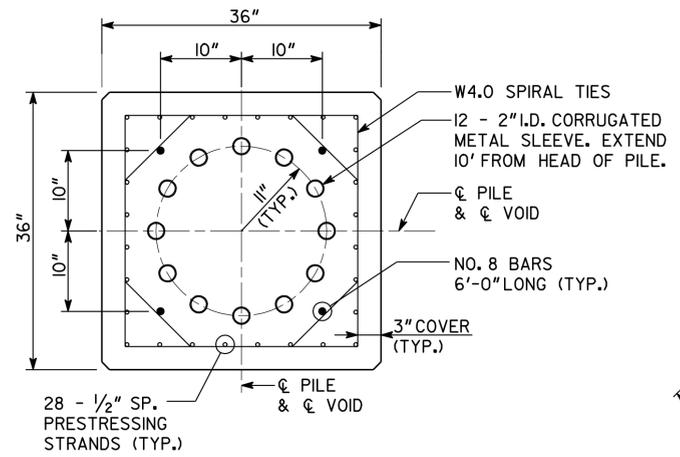
NOTE:
 1" Ø HOLES SHALL BE FORMED IN ONE FACE (AT 5' ON CENTER) IN VOID-TYPE PILE. IN PILING CAST FOR A SPECIFIC PROJECT, THESE HOLES WILL BE REQUIRED ONLY FOR THAT PORTION EXPECTED TO REMAIN ABOVE GROUND.



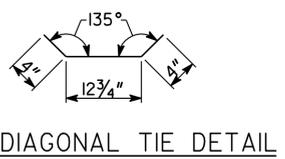
SECTION A-A



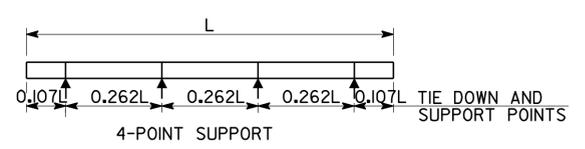
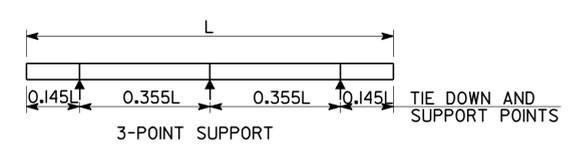
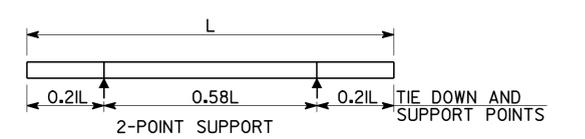
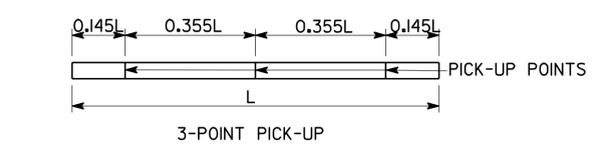
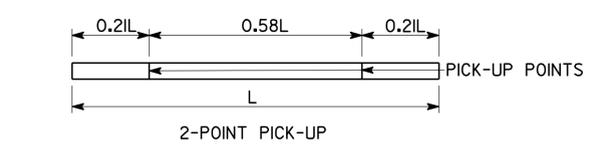
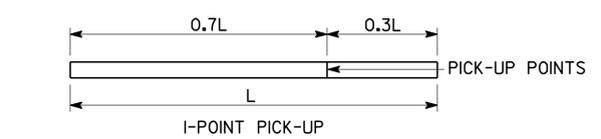
SECTION B-B



SECTION C-C



W4.0 DIAGONAL TIE DETAIL



MAX. PILE LENGTH (FT)	REQ'D STORAGE AND TRANSPORTATION DETAIL	PICK-UP DETAIL
90	2, 3, OR 4 POINT	1 POINT
136	2, 3, OR 4 POINT	2 POINT
190	3 OR 4 POINT	3 POINT

PILE PICK-UP DETAILS

STORAGE AND TRANSPORTATION SUPPORT DETAILS

BRIDGE NO. 1

THE LPA GROUP THE LPA GROUP INCORPORATED
 TRANSPORTATION CONSULTANTS
 3595 ENGINEERING DRIVE
 NORCROSS, GEORGIA 30092
 (770) 263-9118

GEORGIA
DEPARTMENT OF TRANSPORTATION
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

36" PSC PILE DETAILS
 SR 204 SPUR (DIAMOND CAUSEWAY)
 OVER SKIDAWAY NARROWS
 CHATHAM COUNTY CSSTP-0008-00(651)

SCALE: NONE OCTOBER 2010

DRAWING NO. 35-32	BY	DATE
BRIDGE SHEET 32 OF 48	REVISIONS	

DESIGNED ANZ	CHECKED AWB	REVIEWED WMD/WEI
DRAWN BSB	DESIGN GROUP AWB	APPROVED PVL