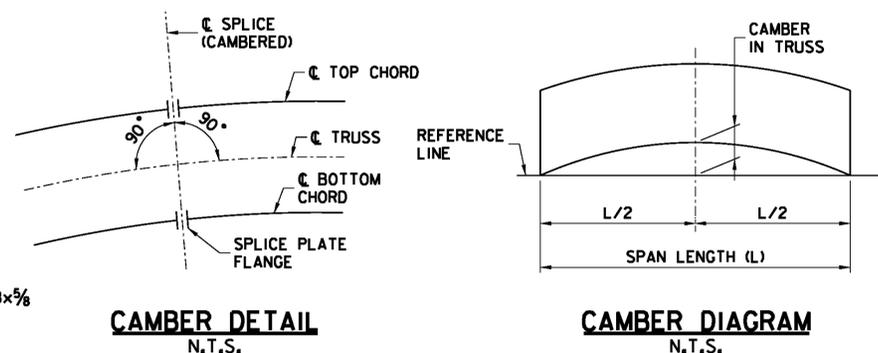
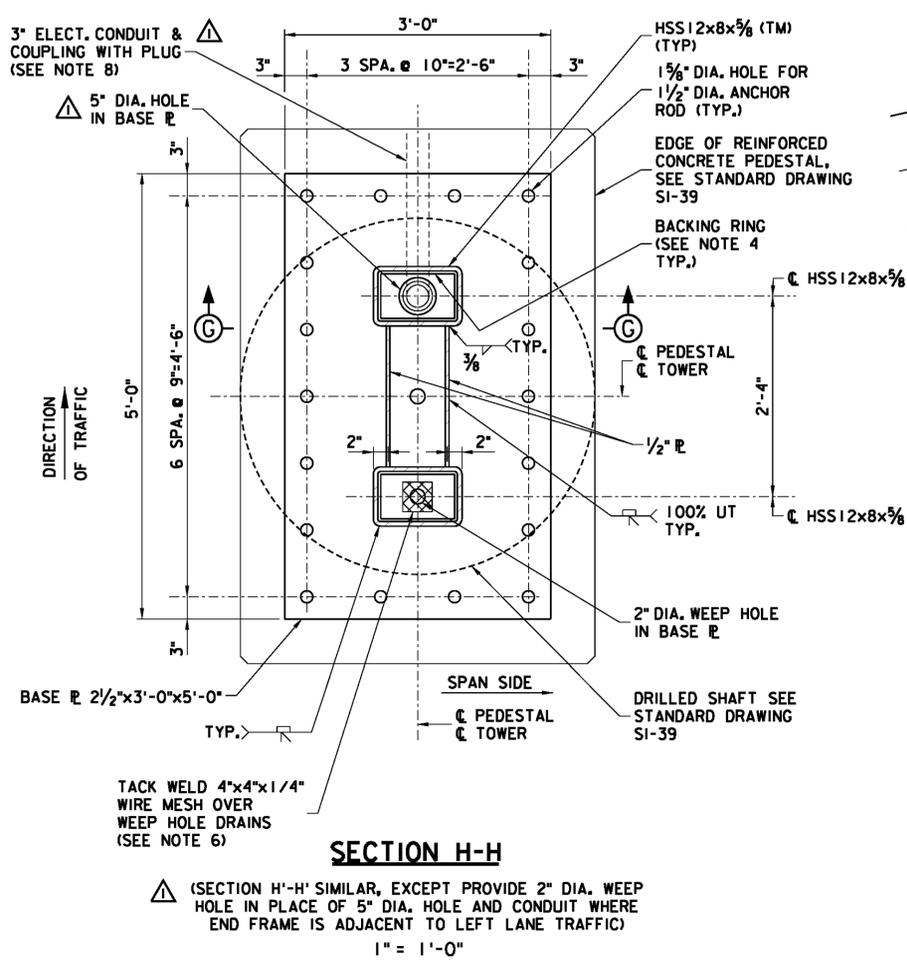


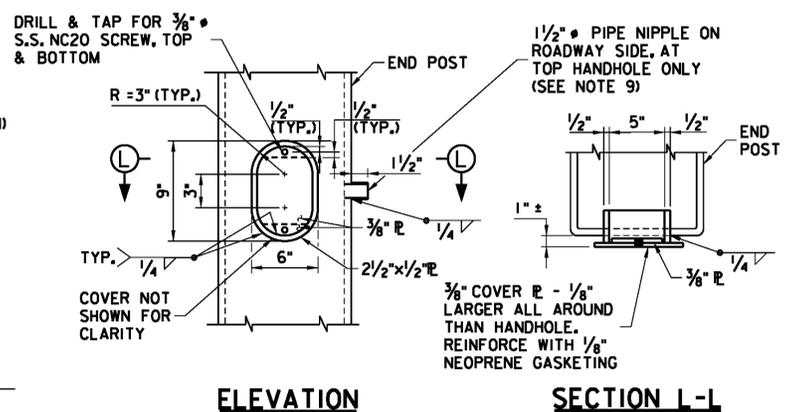
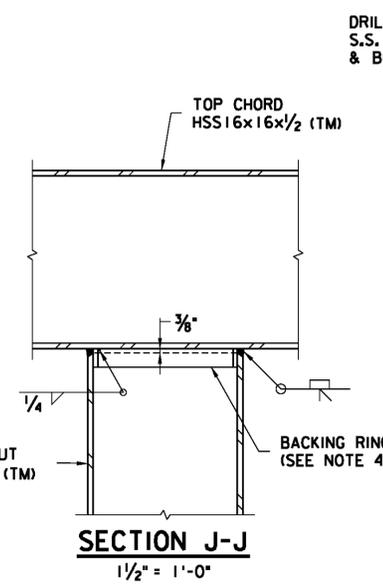
- NOTES:**
- ELEVATION "A" SHALL BE A MINIMUM OF 4'-0" ABOVE THE HIGH POINT OF THE ROADWAY CROSS SECTION AND SHALL BE THE SAME FOR BOTH PEDESTALS OF EACH STRUCTURE.
 - ANCHOR RODS SHALL BE HOT-DIP GALVANIZED AS PER ASTM SPECIFICATION A153, CLASS C AFTER BEING THREADED. ALL NUTS AND WASHERS SHALL ALSO BE HOT-DIP GALVANIZED.
 - A SINGLE ANCHOR ROD TEMPLATE FABRICATED OF 1/4" THICK STRUCTURAL STEEL (ASTM A709 GRADE 36) SHALL BE FURNISHED FOR EACH OVERHEAD SIGN STRUCTURE. THE TEMPLATE SHALL BE USED BY THE CONTRACTOR TO SIMULTANEOUSLY ALIGN THE EIGHTEEN (18) ANCHOR RODS PRIOR TO POURING THE PEDESTAL CONCRETE. STRUCTURAL STEEL ANGLES (ASTM A709, GRADE 36) SHALL BE USED, AS NECESSARY TO STIFFEN THE TEMPLATE AND ASSURE THAT THE ROD PATTERNS ARE ALIGNED PROPERLY WHILE MAINTAINING THE CENTER-TO-CENTER TOWER SPACING. ALL ANCHOR RODS, PLATES, NUTS, WASHERS, BACKING RINGS, ANGLES AND MISCELLANEOUS ITEMS SHOWN SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN STRUCTURE.
 - FULL-PENETRATION WELDED COLUMN TO BASE PLATE CONNECTION WITH THE BACKING RING ATTACHED TO THE PLATE WITH A CONTINUOUS FILLET WELD AROUND THE INTERIOR FACE OF THE BACKING RING. THE BACKING RING SHALL BE 3/8"x2".
 - EXPANDED METAL FENCE SHALL BE AMICO "SECURA FENCE" MODEL NO. ASF 1.5-9R, GALVANIZED IN ACCORDANCE WITH ASTM A123, AND AS MANUFACTURED BY:

AMICO
3245 Fayette Avenue
Birmingham, AL 35208
1-800-366-2642
www.amico-securityproducts.com
 - ALL WEEP HOLES SHALL BE COVERED WITH GALV. OR S.S. WIRE MESH SCREENS.
 - CLIP ANCHOR PLATE IN FIELD AS REQUIRED TO CLEAR VERTICAL REINFORCEMENT.
 - 3" CONDUITS EXITS PEDESTAL 24" BELOW GRADE AND CONNECTS TO AN ADJACENT JUNCTION BOX SEE STANDARD DRAWING SI-42 FOR JUNCTION BOX DETAILS. CONDUITS SHALL BE INSTALLED WITH BUSHINGS AND PLUGGED TO PROTECT THE THREADS.
 - 1 1/2" DIA. STANDARD PIPE NIPPLE SHALL BE OF APPROVED MATERIAL AND BE COMPATIBLE WITH THE MATERIAL TO WHICH THEY ARE WELDED. INSTALL FULLY TIGHTENED CAP ON NIPPLE UPON INSTALLATION.



SIGN STRUCTURE SPAN LENGTH (L)	CAMBER IN TRUSS (IN)
< 80' TO 90' MAX.	1 1/2"
< 70' TO ≤ 80'	1 3/8"
60' ≤ TO ≤ 70'	1 1/4"

CAMBER NOTE:
CAMBER SHALL BE OBTAINED BY INCREASING THE LENGTHS OF THE TOP CHORDS AND DECREASING THE LENGTH OF THE BOTTOM CHORD AS SHOWN. CHORD SPLICE FLANGES SHALL BE SKEWED TO THE ANGLE BEFORE BEING WELDED TO THE CHORDS. THE REQUIRED CAMBER SHALL HAVE A RESIDUAL CAMBER OF APPROXIMATELY 1" FOR FULL DEAD LOAD IN ACCORDANCE WITH SECTION 406.04 OF THE NEW JERSEY TURNPIKE AUTHORITY STANDARD SPECIFICATIONS, 6TH EDITION 2004. NO FORCE SHALL BE APPLIED IN PROVIDING CAMBER. AN ALTERNATE METHOD OF OBTAINING CAMBER MAY BE USED AS APPROVED BY THE ENGINEER.



TYPICAL REINFORCED HANDHOLE AND PIPE NIPPLE DETAIL
1 1/2" = 1'-0"



APP.	NO.	DATE	REVISION
	1	09/12	ADDED ELECTRICAL PROVISIONS
	0	10/10	ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
VIERENDEEL SPAN TYPE SIGN STRUCTURE
(SPANS FROM 60 TO 90 FEET)
SECTIONS AND DETAILS - 2

OFFICE OF THE CHIEF ENGINEER
NEW JERSEY TURNPIKE AUTHORITY

WOODBRIDGE NEW JERSEY

2010 STANDARD
DRAWING SI-30

FILE NAME: SP1E15