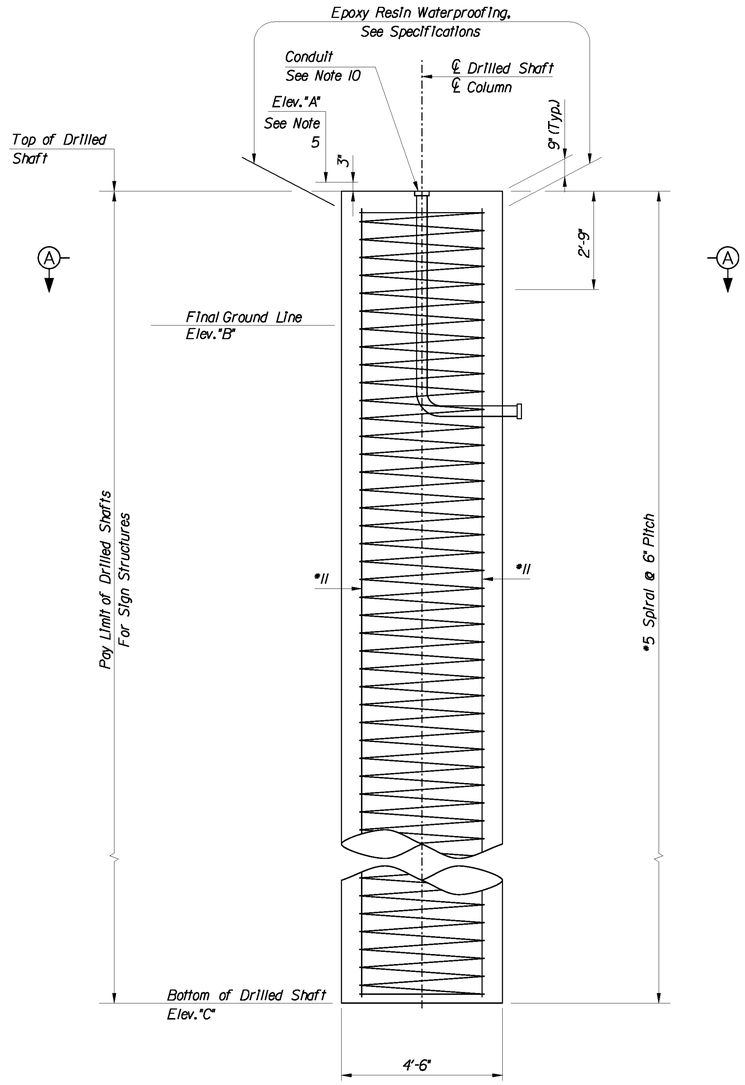
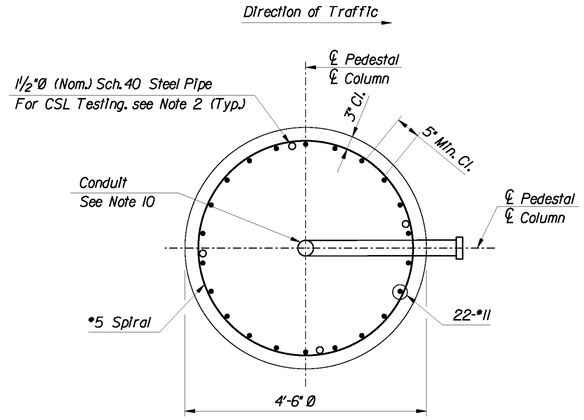


DRILLED SHAFT ELEVATION

1/2" = 1'-0"

FOR CONDUIT AND GROUNDING PLACEMENT SEE NOTE 10 ⚠2



SECTION A-A

3/4" = 1'-0"

CANTILEVER TYPE SIGN STRUCTURE DRILLED SHAFT FOUNDATION ELEVATION TABLE			
SIGN STRUCTURE	ELEVATION 'A'	ELEVATION 'B'	ELEVATION 'C'
M.P. xx.xx			
M.P. xx.xx			
M.P. xx.xx			
M.P. xx.xx			

NOTE TO DESIGNER:
This is a sample table. The Engineer of Record shall be responsible for furnishing this or similar table on the final Contract Drawings.

NOTES:

1. See Specifications for Sign Structure or VMS Support Structure Fabrication and Erection provisions.
2. 4'-6" Ø Drilled Shafts for Sign Structures shall conform to the Drilled Shafts for Sign Structure Foundations Specification as per the Standard Supplementary Specifications.
3. Reinforcement Steel in Drilled Shafts, shall be paid for under the item "Drilled Shafts for Sign Structures".
4. For tabular elevations of drilled shafts, see contract plans.
5. Elev. "A" (Underside of Structure Base Plate) to be set 4'-0" above the highest point of the roadway under the bottom chord of the Cantilever or Butterfly Structure
6. Bar clearance in the Drilled Shaft shall be 3" min.
7. Concrete in Drilled Shafts shall be as specified in the Contract Plan General Notes.
8. The Drilled Shaft diameter shown on this Standard Drawing is representative of a typical cantilever or butterfly sign structure foundation. Larger drilled shaft diameters may be required as dictated by local geotechnical conditions. It is the responsibility of the Design Engineer to design the drilled shaft diameter, depth, and reinforcement.
9. ⚠1 Drilled Shaft foundations larger than 4'-6" in diameter may have clearance limitations in narrow median locations. A reduced width custom pedestal may be required at these locations. It is the responsibility of the design Engineer to design any custom pedestals, as required. Payment for custom pedestals and reinforcement, if required, shall be considered incidental to the Drilled Shaft pay item.
10. ⚠2 ⚠3 See ITS and Roadway Lighting Drawings for grounding, conduit size, type, quantity and payment. For Verendeel Cantilever Type Sign Structures, provide a 3" conduit installed with bushings and plugged to protect the threads. Conduit shall exit the shaft 24" below grade.

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

APP.	NO.	DATE	REVISION
	3	9/12	ADDED VERENDEEL CANTILEVER PROVISIONS
	2	2/12	ADDED GROUNDING REFERENCE
	1	12/09	REVISED NOTES
		4/09	ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

CANTILEVER SIGN SUPPORT STRUCTURES

DRILLED SHAFT FOUNDATION DETAILS

OFFICE OF THE CHIEF ENGINEER
WOODBRIDGE, NEW JERSEY

2009 STANDARD
DRAWING SI-22B

CONTRACT NO.

SHEET NO. OF