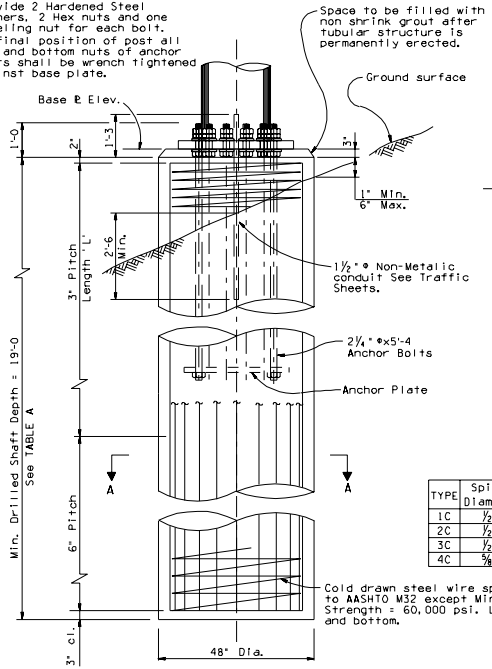
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				

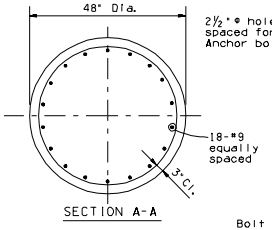
NOTE:
Provide 2 Hardened Steel washers, 2 Hex nuts and one Leveling nut for each bolt.
At final position of post all top and bottom nuts of anchor bolts shall be wrench tightened against base plate.



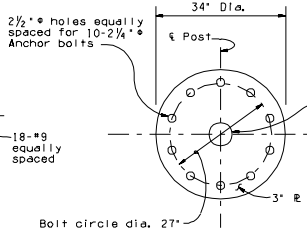
TYPE	Spiral Diameter	Length 'L'
1C	½"	6'-0
2C	½"	6'-0
3C	½"	6'-0
4C	⅝"	10'-0

Cold drawn steel wire spiral conforming to AASHTO M32 except Min. Tensile Strength = 60,000 psi. Lap 1½ turns top and bottom.

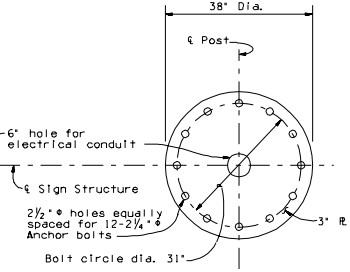
DRILLED SHAFT DETAILS



SECTION A-A

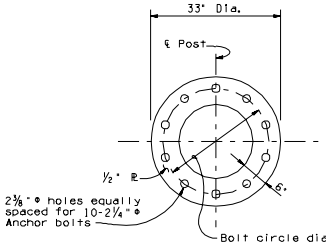


16" & 18" Post Dia.

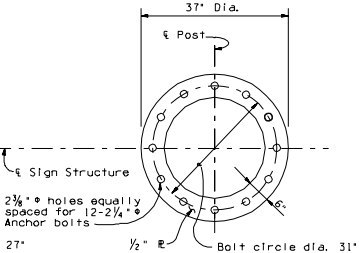


20" & 22" Post Dia.

BASE PLATE DETAILS



16" & 18" Post Dia.



20" & 22" Post Dia.

ANCHOR PLATE DETAILS

TABLE A	
Max. Slope	'X'
8:1	0'
6:1	1'
4:1	2'
2:1	4'
1½:1	5'
1:1	8'

Drilled Shaft Depth shall be adjusted for ground slope. Add value of 'X' in Table 'A' to the DRILLED SHAFT DEPTH to obtain total length of shaft.

NOTE:
All anchor bolts shall conform to ASTM A307 Specifications. The upper 1'-0 shall be threaded and the upper 1'-2 galvanized in accordance with the requirements of ASTM A153.
Drilled shaft shall be class 'S' concrete and placed against undisturbed material or compacted embankment.
Provide bolt template during installation of anchor bolts. The bolt template shall be fabricated of ¼" thick (Min.) steel plate, similar to anchor plate details, and shall be match drilled to each base plate.
Drilled shafts shall be formed 6" Min. below ground surface.
Compacted backfill shall be in place prior to erecting post.

DESIGN APPROVED James R. Pyne	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION **BRIDGE GROUP STRUCTURE DETAIL**
CHECKED BY J. Daniel Davis	TUBULAR SIGN STRUCTURES TUBULAR CANTILEVER FOUNDATION DETAILS
ROUTE / LOCATION	DRAWING NO. SD 9.10 (2of5)
TRACS NO.	___ OF ___