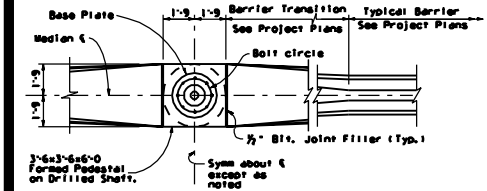
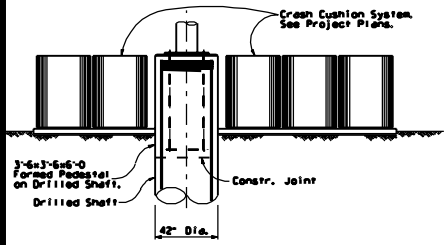
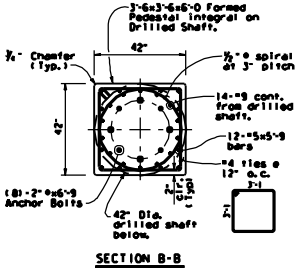


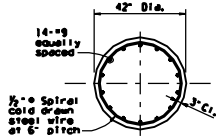

PLAN WITH BARRIER



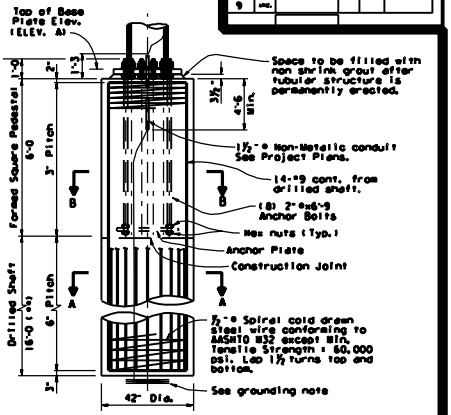

ELEVATION WITHOUT BARRIER




SECTION B-B

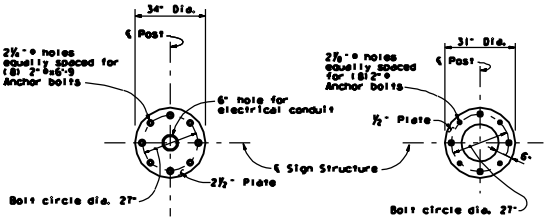



SECTION A-A



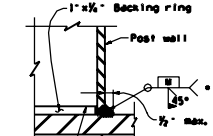

(**) Drilled shaft depth is based on uniform soils condition with unit weight=110 pcf, friction angle phi=29 degrees, modulus of subgrade reaction k=50 psi/ft. Depth or design should be revised by the Project Engineer of Record for weaker soils or rock embedment, and shown in the project plans.

FOUNDATION DETAILS




BASE PLATE DETAIL

ANCHOR PLATE DETAIL




POST TO BASE PL WELD DETAIL

* Preheat as per AWS reqm't.

NOTE:

All anchor bolts shall conform to ASTM A36 Specifications. The upper 1'-0 shall be threaded and the upper 1'-2 galvanized in accordance with the requirements of ASTM A153. Anchor bolts made of rods shall have 1'-0 thread at bottom with double nuts for anchor plate.

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.

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 ⅛" thick (min.) steel plate, similar to anchor plate details, and both the bolt template and the anchor plate shall be drilled to match base plate.

A 25 ft. coil of no. 4 AWG bare copper conductor shall be installed before concrete is poured and connected to pole grounding screw in the hand hole.

| FORMAL REVISION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | | | | |

Shafi K. Hasan

Jean A. Nehme

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
BRIDGE GROUP STRUCTURE DETAIL

MEDIAN SIGN STRUCTURE (TWO SIDED)
FOUNDATION DETAILS

TRACS NO.

SHEET 9 OF 9

This is Designer's Original Work Prepared in this Standard Shall have been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Modification of this standard may be made if deemed appropriate by the user, provided the intent of the standard is not changed or compromised.

| No. | Date | Revision | By |
|---|---|---|---|
| | | | |