

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2005-062 I	WILL	72	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

For anchor rod size and placement, see Support Frame Detail Sheet.

\* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**BAR LIST - EACH FOUNDATION**

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

**NOTES:**

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

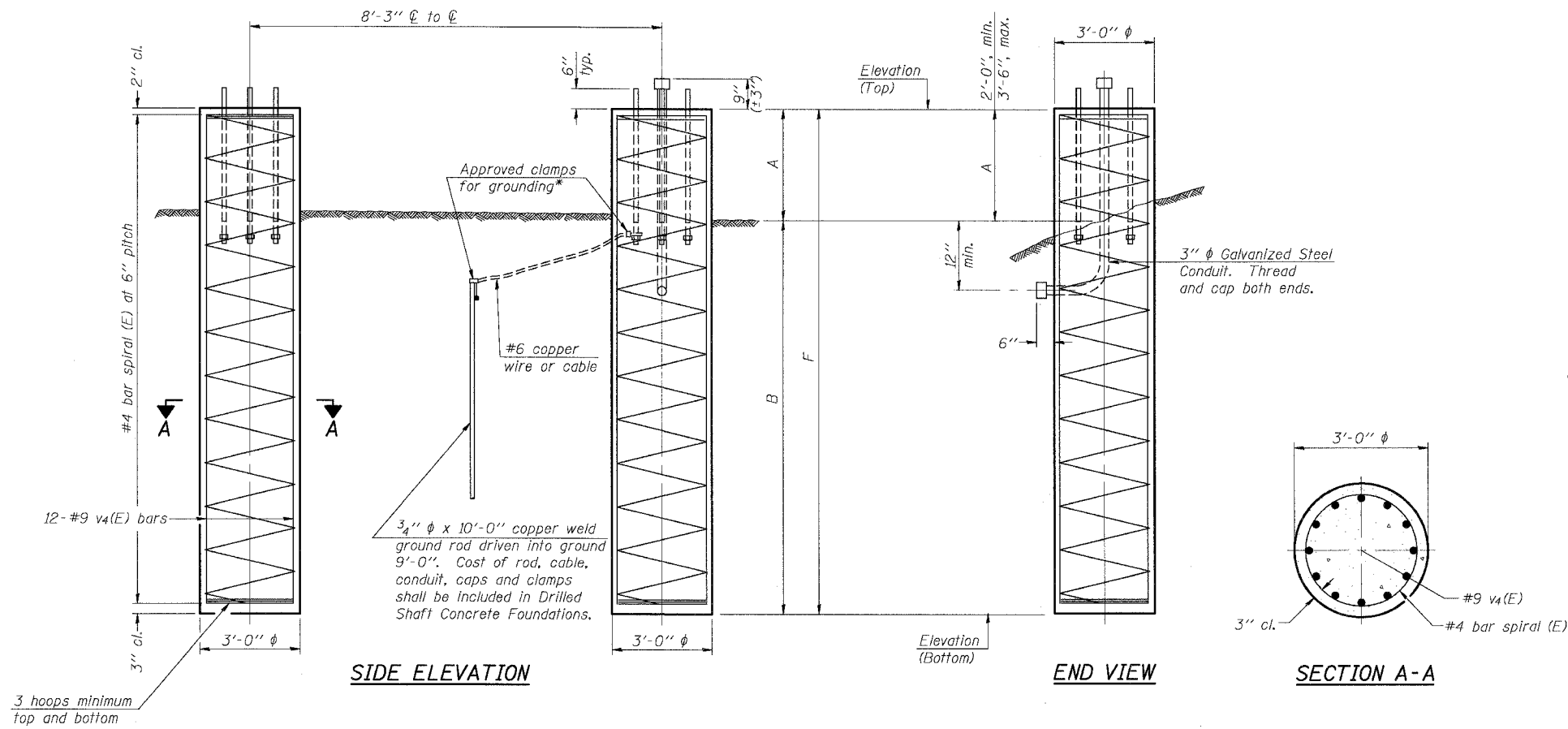
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

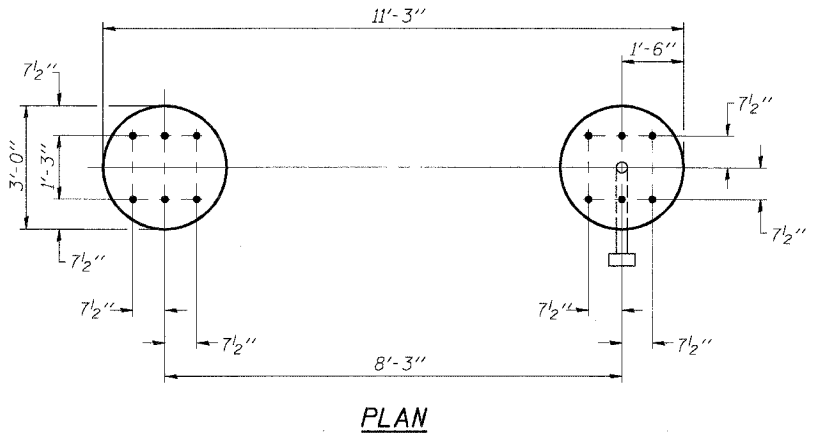
Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

The cost of all reinforcing steel shall be included in the cost of Drilled Shaft Foundations.



3 hoops minimum top and bottom



Structure Number	Station	Left Foundation			Right Foundation			Class SI Concrete (Cu. Yds.)	Depth of Rock Exc. (Ft.)				
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top			Elevation Bottom	A	B	F
IS0991055R249.90	189+70						572.86	548.86	3'-6"	20'-6"	24'-0"	12.6	6'-0 1/2"
IS0991055L250.67	229+76						591.10	571.85	2'-9"	16'-6"	19'-3"	10.1	1'-3"
IS0991055R251.02	248+22						592.67	571.43	4'-9"	16'-6"	21'-3"	11.1	---
IS0991055L251.17	256+26						588.28	568.16	2'-1 1/2"***	18'-0"	20'-1 1/2"	10.5	---
IS0991055R252.64	333+75						580.53	561.28	2'-9"	16'-6"	19'-3"	10.1	10'-1 1/2"
IS0991055L253.03	354+55						578.77	559.52	2'-9"	16'-6"	19'-3"	10.1	9'-3 1/2"

\* At completion of future contract, by others, A = 3'-3"  
 \*\* At completion of future contract, by others, A = 3'-6"

NUMBER	REVISION	DATE

**DETAILS FOR 10" φ SUPPORT FRAME  
 TYPE I-A or II-A TRUSS**

SHT. S-10 OF 27

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAT ROUTE 55 (I-80 TO U.S. 30)  
 SIGNING  
 WILL COUNTY

**OVERHEAD SIGN STRUCTURES  
 DRILLED SHAFT DETAILS**

SCALE: DATE 05/19/06 DRAWN BY MDB CHECKED BY MJK

**TENG** TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS

OS4-F3 1-7-05

PLOT DATE = 05/19/06  
 PLOT SCALE = AS SHOWN  
 USER NAME = GARCIAZ  
 SA:\DOCUMENT\2005\STRUCT\JOB\55071A022.SHT  
 5-17-2006, 14:27:58