

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.

TABLE A

Structure Number	Station		Average Q_u for Side Resistance (tsf)	Average Q_u for Side Resistance (tsf)	N (Blows/Ft) used to calculate Tip Resistance	Calculated Ultimate Side Resistance per shaft (kips)	Calculated Ultimate Tip Resistance per shaft (kips)	Number of shafts	Total Resistance (kips)
2S0811080R001.0	85+46.83	Left	0.56	--	100	61	130	2	382
2S0811080R001.0	85+46.83	Right	0.47	--	100	57	129	2	372
2S0811080R001.8	130+80.00	Left	0.62	1.00	--	68	46	2	228
2S0811080R001.8	130+80.00	Right	0.68	1.50	--	69	69	2	276
2S0811080L002.3	155+45.12	Left	0.46	1.00	--	44	46	2	180
2S0811080L002.3	155+45.12	Right	0.38	1.90	--	43	87	2	260

NOTES:

The foundation dimensions shown are based on the soil boring logs determined by previous soil investigations at the jobsite and on a site specific design. The average Unconfined Compression Strength (Q_u) assumed for the design based on the available geotechnical data is specified in Table A.

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.

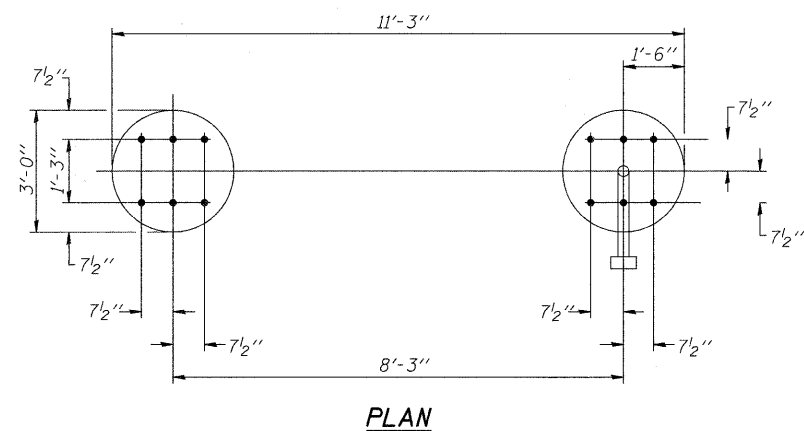
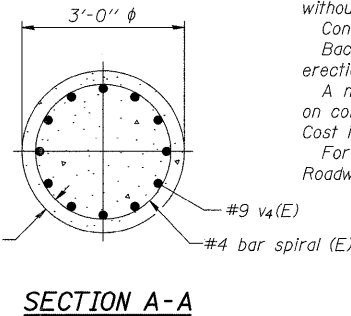
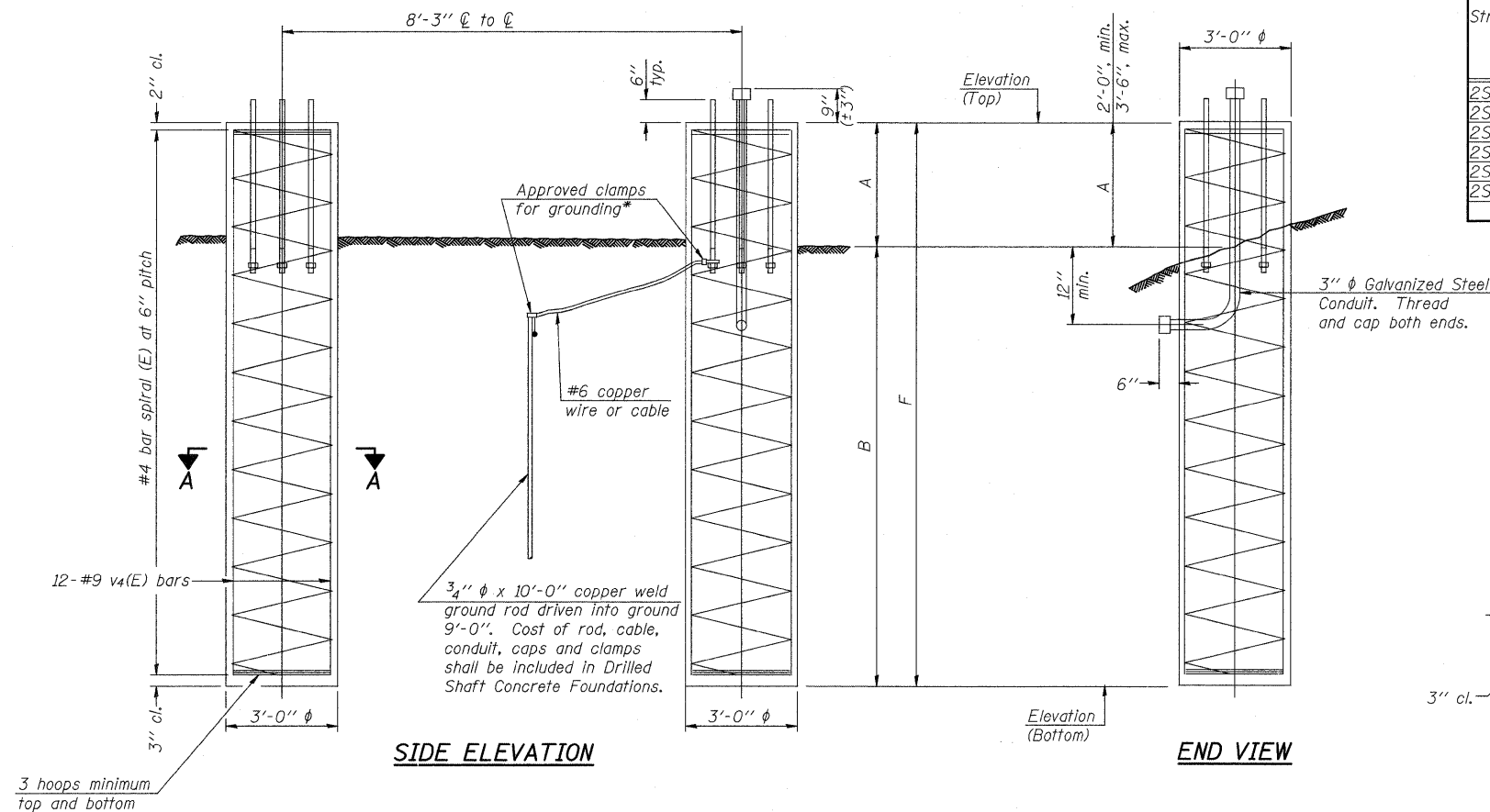
Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

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.

For boring logs see sheets 12 thru 15. For sign structure and boring locations see Roadway plans.

BAR LIST - EACH FOUNDATION

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



Structure Number	Station	Left Foundation			Right Foundation			Class SI Concrete (Cu. Yds.)	Reinforcement Bars, Epoxy Coated (Pound)				
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top			Elevation Bottom	A	B	F
2S0811080R001.0	85+46.83						694.70	650.37	3' - 4"	41' - 0"	44' - 4"	23.2	4,590
2S0811080R001.8	130+80.00						686.71	647.78	3' - 5 1/4"	35' - 6"	38' - 11 1/4"	20.4	4,040
2S0811080L002.3	155+45.12						687.80	640.90	3' - 4 3/4"	43' - 6"	46' - 10 3/4"	24.6	4,860

** Looking at Face of signs

NUMBER	REVISION	DATE

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

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

SHEET NO. 10 OF 11