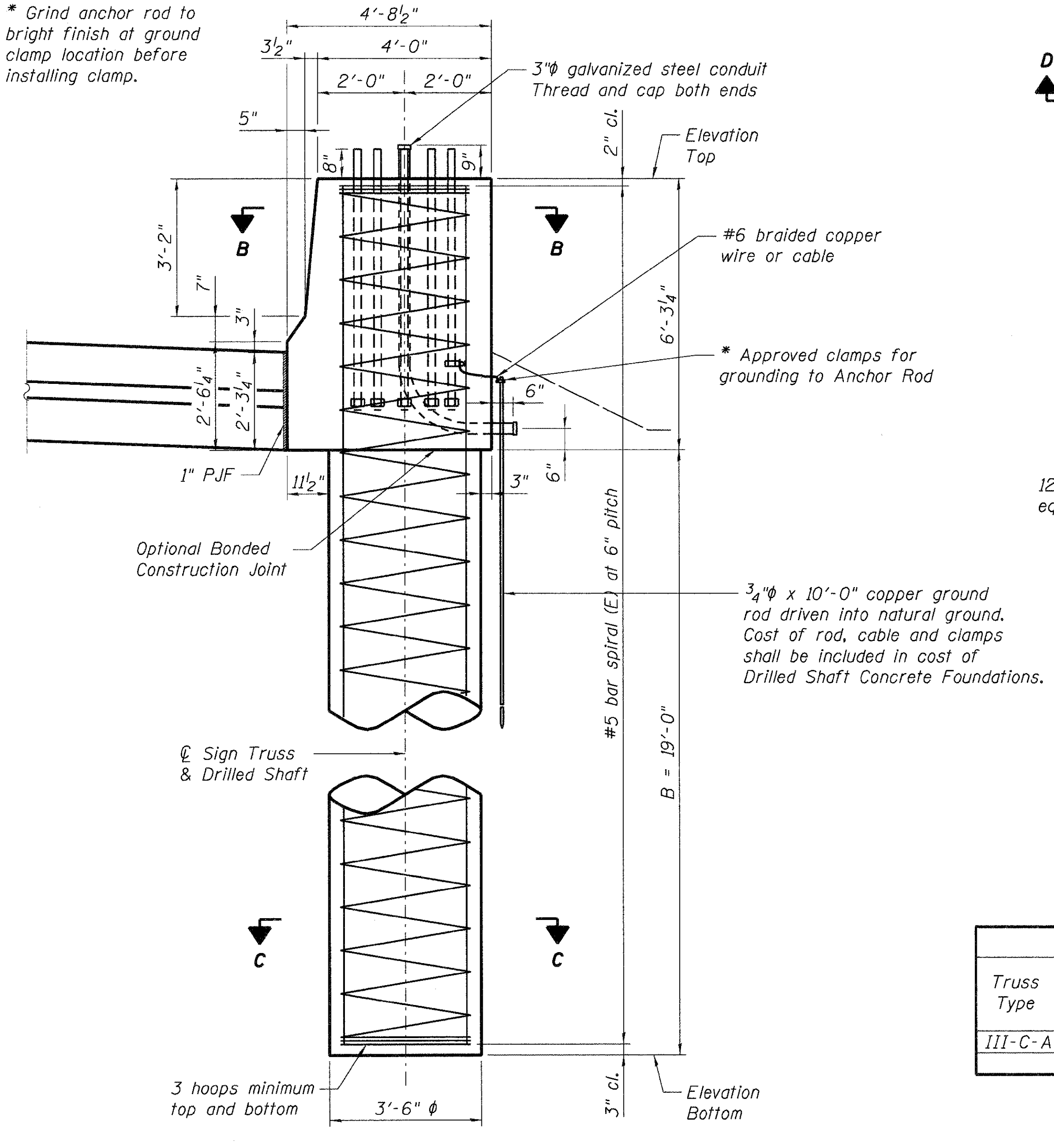
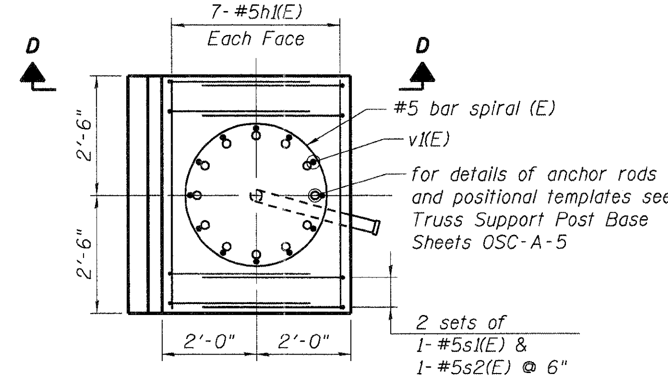
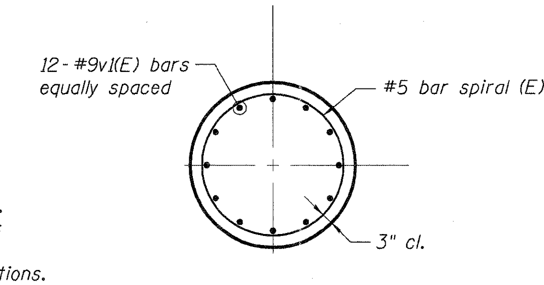


SECTION A-A

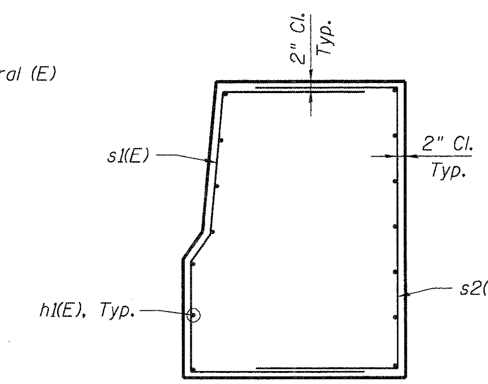


SECTION B-B

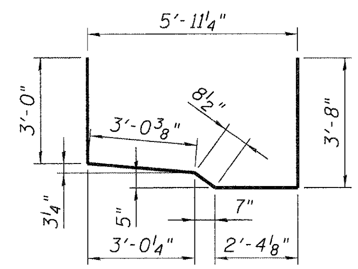


SECTION C-C

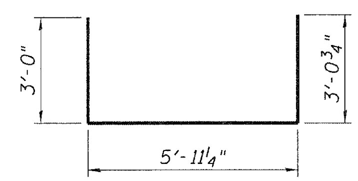
3'-6"φ shaft



SECTION D-D



s1(E) BAR



s2(E) BAR

NOTES:

The foundation dimensions shown in the Foundation Design Table 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 in the Foundation Data Table 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 dimension "B" is 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, unless noted otherwise.

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".

BAR LIST

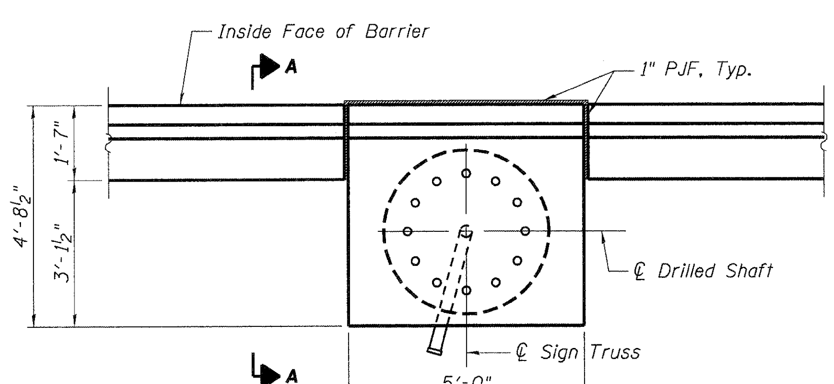
Bar	Number	Size	Length	Shape
h1(E)	14	#5	4'-8"	——
s1(E)	4	#5	12'-9"	⊔
s2(E)	4	#5	12'-0"	⊔
v1(E)	24	#9	24'-9"	——
#5(E) bar spiral _ see Section A-A				

FOUNDATION DESIGN TABLE

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (ft)	"B" Depth (ft)	Anchor Rods No.	Anchor Rods Diameter (in)	Anchor Rod Circle Diameter (in)
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30

FOUNDATION DATA TABLE

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	B	Class DS Concrete Cubic Yards
IC045U020R015.1	83+50.00	III-C-A	3'-6"	827.57	802.30	1.25 tsf	19'-0"	11.9



PLAN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MDB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION FAP ROUTE 345 / US ROUTE 20	CANTILEVER SIGN STRUCTURES TYPE "F" BARRIER WALL FOUNDATION ALUMINUM TRUSS & STEEL POST	F.A.P RTE. 345	SECTION 8R-R	COUNTY KANE	TOTAL SHEETS 794 / SHEET NO. 367
TENG — TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - AMB	REVISED -					CONTRACT NO. 60H45	
	PLOT SCALE = $SCALE$	CHECKED - DDH	REVISED -		SCALE: N.T.S. / SHEET NO. SS-10 OF SS-14 / STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
	PLOT DATE = $DATE$	DATE - 12/16/11	REVISED -						