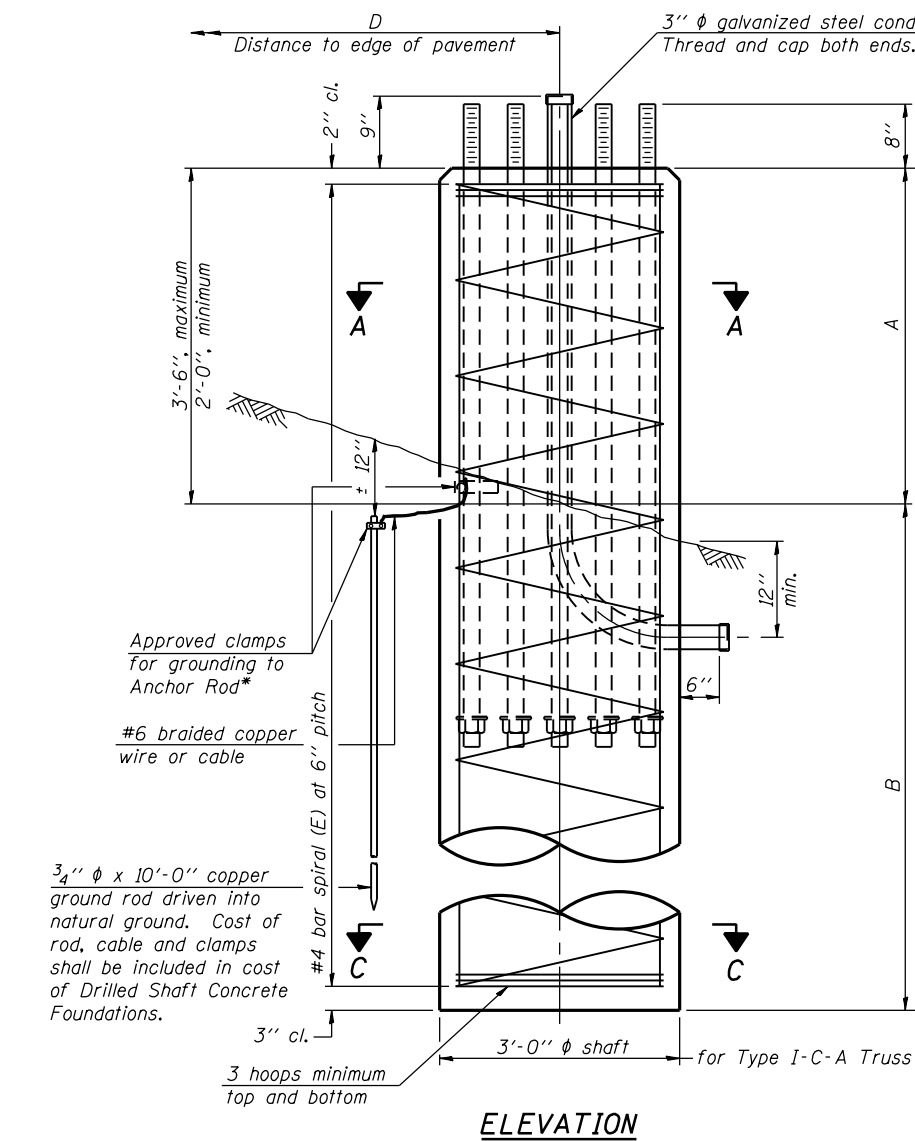
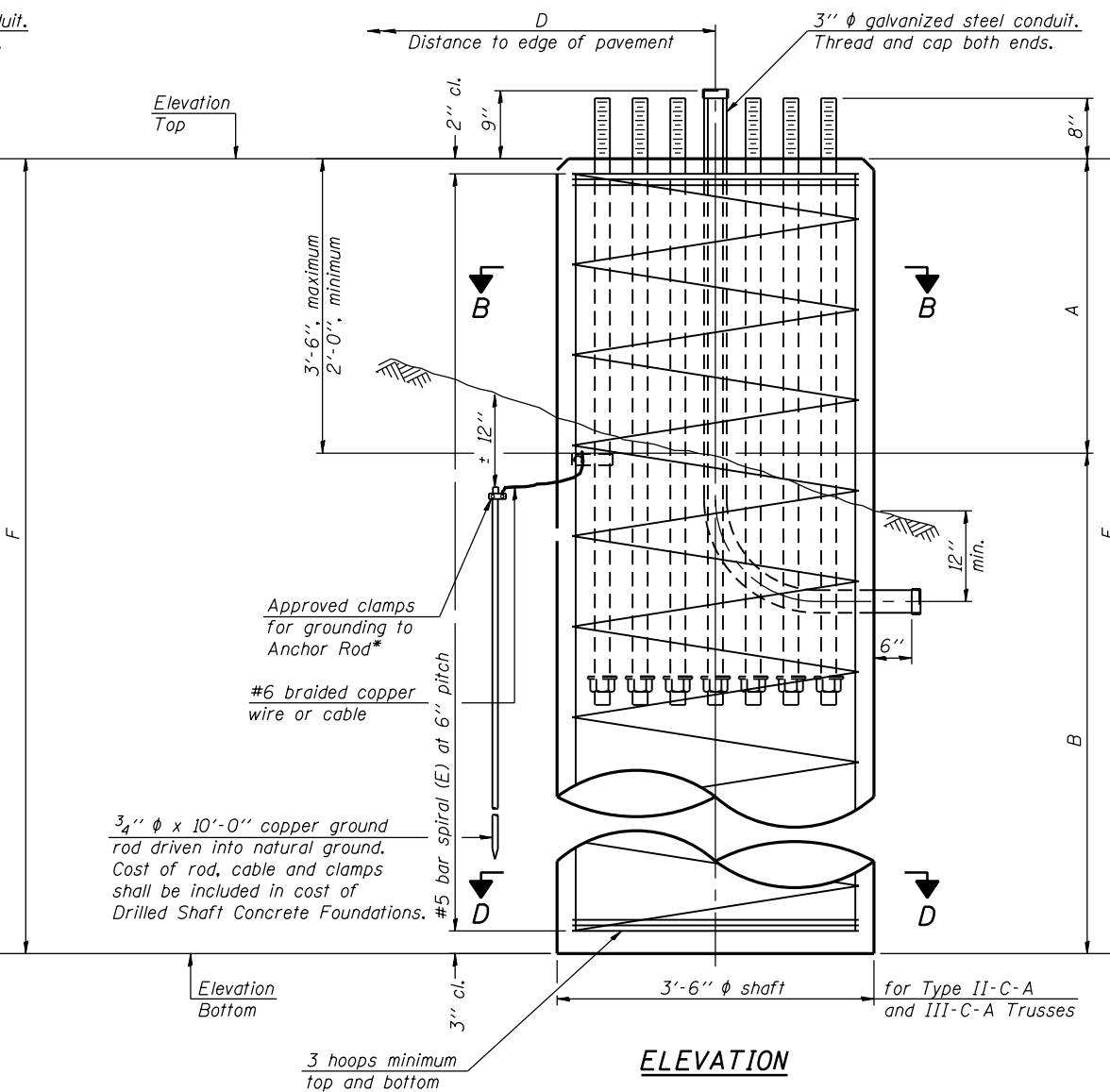


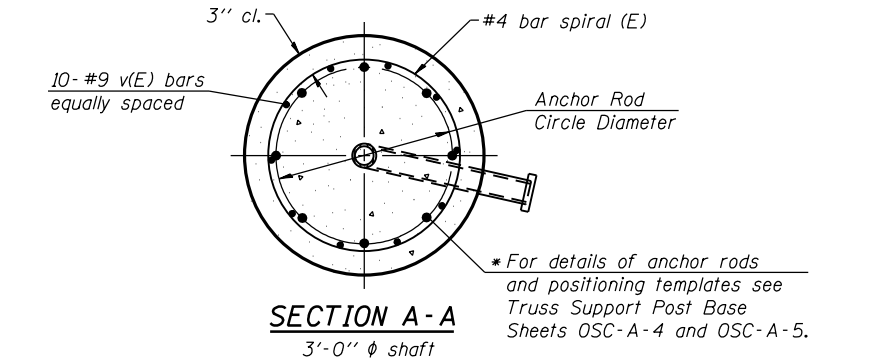
* Grind anchor rod to bright finish at ground clamp location before installing clamp.



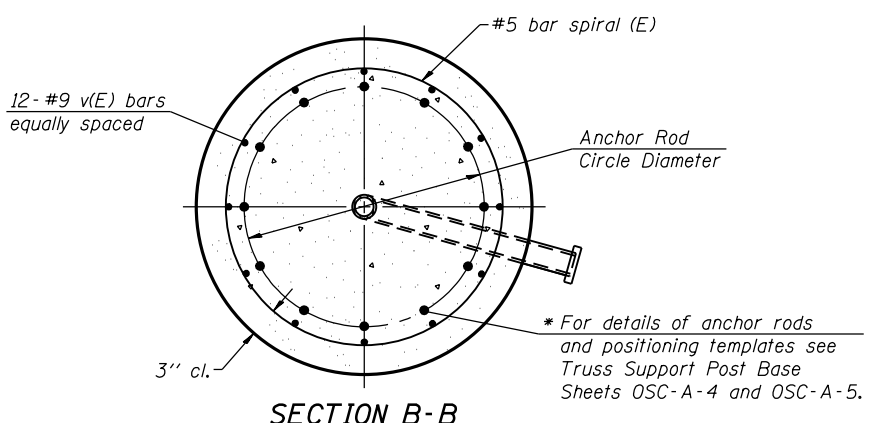
ELEVATION



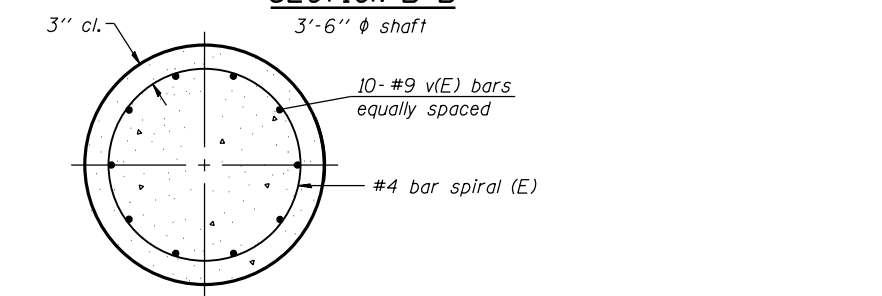
ELEVATION



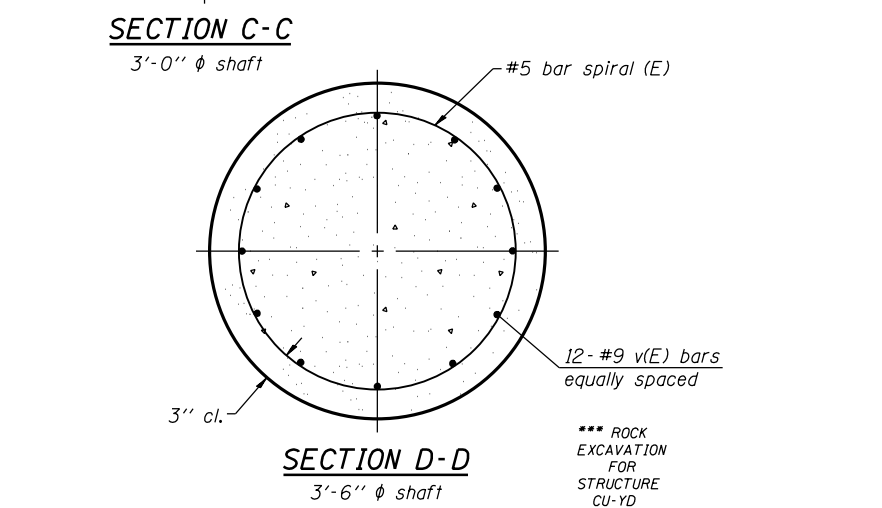
SECTION A-A
3'-0" ϕ shaft



SECTION B-B
3'-6" ϕ shaft



SECTION C-C
3'-0" ϕ shaft



SECTION D-D
3'-6" ϕ shaft

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 (Q_u) 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 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 Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

D-2 Inventory #	Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Q_u	A	B	F	Class DS Concrete Cubic Yards	***
SN-098	2C0811080L003.3		II-C-A	3'-6"	625.45	601.45	*	2'-6"	21'-6"	24'-0"	8.6	
SN-141	2C081S092R029.3		II-C-A	3'-6"	569.35	544.97	**	2'-10 1/2"	21'-6"	24'-4 1/2"	8.7	2.6

* Soil Data Not Available; Use of Drilled Shafts based on Foundation type presented in Existing Plans
 ** Q_u Varies > 1.25 tsf
 Note: Provide Temporary Casing as required include Costs in Drilled Shaft Concrete Foundations

OSC-A-9 8-21-13

HBM
 ENGINEERING GROUP, LLC
 4415 WEST HARRISON ST.
 SUITE 231
 HILLSIDE, IL 60162
 PHONE: (708) 236-0900
 FAX: (708) 236-0901

USER NAME =	DESIGNED - JMG	REVISED -
PLOT SCALE =	CHECKED - JJS	REVISED -
PLOT DATE = 3/12/2014	DRAWN - AI	REVISED -
	CHECKED - MAI	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
 ALUMINUM TRUSS & STEEL POST

Sheet No. 9 of 9

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.		ROCK ISLAND	45	29
* 0-2 OVD SIN STR REPL 14-26		CONTRACT NO. 46287		
ILLINOIS FED. AID PROJECT				