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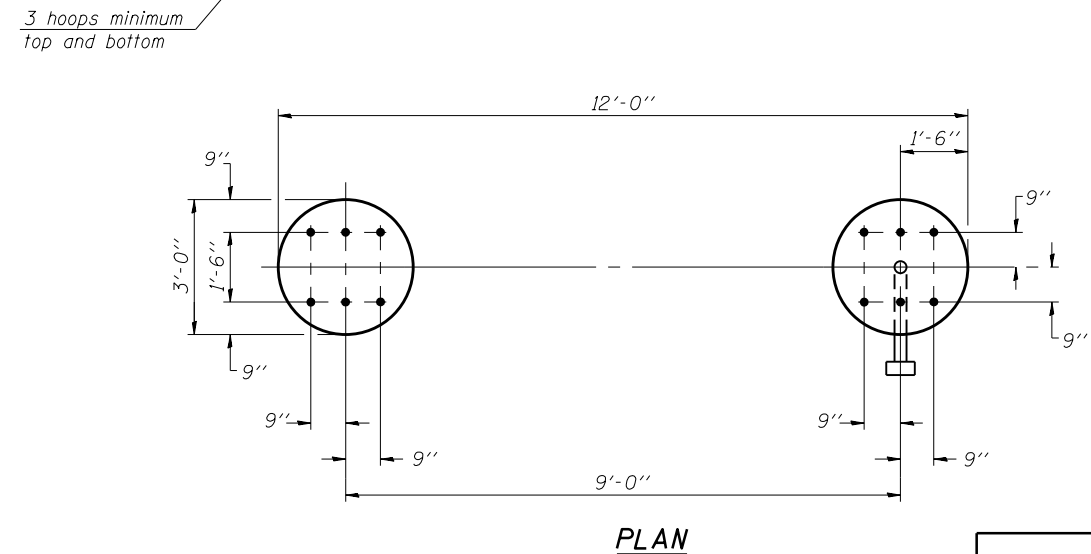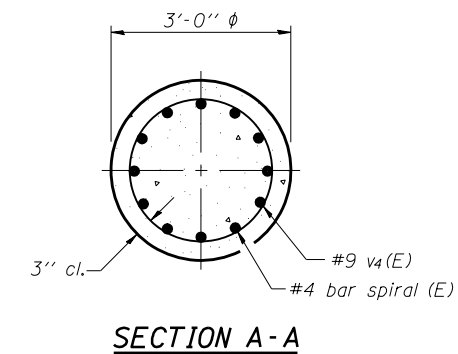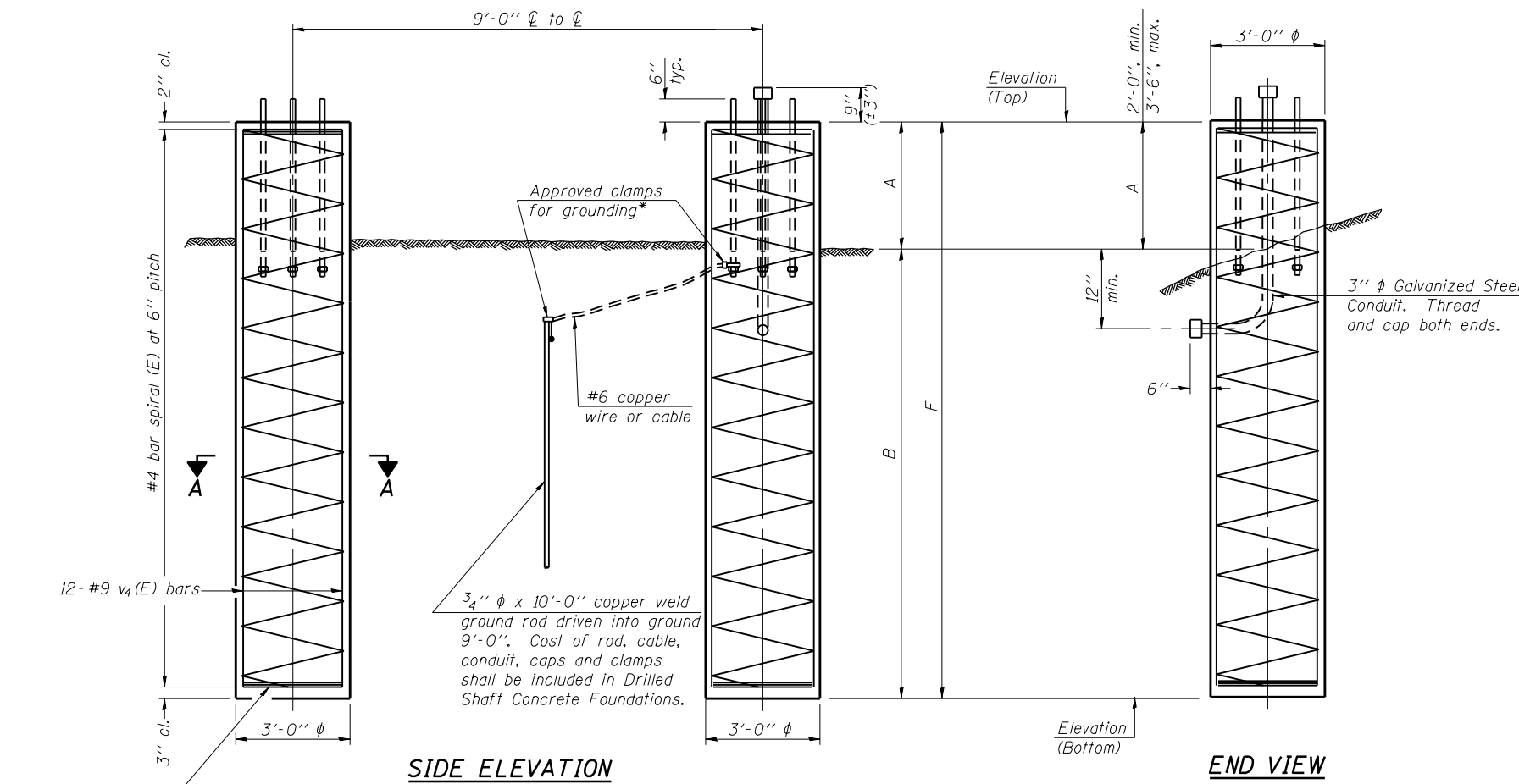
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12'' by the Contractor, "as-built" plans shall be prepared and submitted to the District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

9'-0'' ℄ to ℄

6'' typ.

9'' (±3'')

Elevation (Top)

2'-0'', min.
3'-6'', max.

3'-0'' ⌀

2'' cl.

Approved clamps for grounding*

#6 copper wire or cable

3'' ⌀ Galvanized Steel Conduit. Thread and cap both ends.

12'' min.

6''

#4 bar spiral (E) at 6'' pitch

12 - #9 v4(E) bars

³⁄₄'' ⌀ x 10'-0'' copper weld ground rod driven into ground 9'-0''. Cost of rod, cable, conduit, caps and clamps shall be included in Drilled Shaft Concrete Foundations.

3'-0'' ⌀

3'-0'' ⌀

SIDE ELEVATION

END VIEW

Elevation (Bottom)

3'' cl.

3 hoops minimum top and bottom

12'-0''

9''

1'-6''

3'-0''

1'-6''

9''

9''

9''

9''

9''

9''

9'-0''

PLAN

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.

3'-0'' ⌀

3'' cl.

#9 v4(E)

#4 bar spiral (E)

SECTION A-A

DETAILS FOR 12'' ⌀ SUPPORT FRAME
TYPE III-A TRUSS

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
7S025I070R080.40	1365+00	622.13'	602.13'	2'-0''	18'-0''	20'-0''	622.13'	602.06'	2'-1''	18'	20'-1''	21.1
7S025I057R148.4	4500+00	601.01'	580.87'	2'-1¹⁄₂''	18'-0''	20'-1¹⁄₂''	601.01'	581.01'	2'0''	18'	20'-0''	21.0
7S018I057L178.8	217+50	667.20'	647.20'	2'-0''	18'-0''	20'-0''	667.20'	646.61'	2'-7''	18'	20'-7''	21.3
7S018I070L107.6	180+400	594.94'	574.94'	2'-0''	18'-0''	20'-0''	594.94'	574.07'	2'-10¹⁄₂''	18'	20'-10¹⁄₂''	21.5
7S012I070L155.0	515+51	542.57'	521.16'	3'-5''	18'-0''	21'-5''	542.57'	522.57'	2'-0''	18'	20'-0''	21.6

OS4-F4   6-1-12

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USER NAME = steffenmk
DESIGNED   -   REVISED   -
DRAWN   -   REVISED   -
PLOT SCALE = 100.0000 '/ in.   CHECKED   -   REVISED   -
PLOT DATE = 6/19/2014   DATE   -   REVISED   -
Default

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

SCALE: SHEET   OF   SHEETS   STA.   TO STA.

F.A. RTE.   SECTION   COUNTY   TOTAL SHEETS   SHEET NO.
VAR   D7 ITS 2014   •   72   48
* EFFINGHAM, CUMBERLAND   CONTRACT NO. 74643
CLARK & LAWRENCE   ILLINOIS FED. AID PROJECT