1-20-2012 LETTING ITEM 083

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES SEE SHEET NO. 3

CURRENT TRAFFIC DATA

 \circ

0

0

N/A

DESIGN DESIGNATION

N/A

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 74 (I-74)
SECTION GPS CORE STATION 2012-1

MISCELLANEOUS VERMILION COUNTY

C-95-064-11

GPS CORE STATION AT SALT KETTLE REST AREA

PROPOSED GPS CORE STATION
AT SALT KETTLE REST AREA

R 13 W

R 12 W

R 11 W

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULLIE.

JULLIE.

JULLIE.

JULLIE.

JULLIE.

JULLIE.

JOHN TUTLITY LOCATION INFORMATION FOR EXCAVATION 1-800-812 DO AKWOOD TOWNSHIP

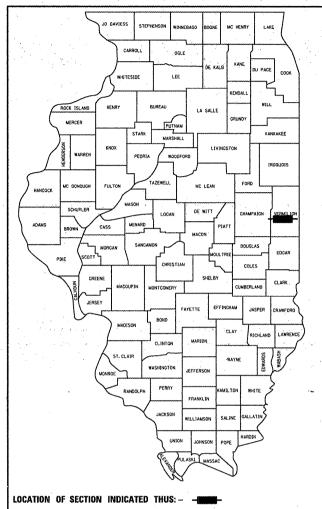
PROJECT ENGINEER: NANCY FASIG
SOUAD LEADER: BRIAN J. HOGAN
(217)-465-4181

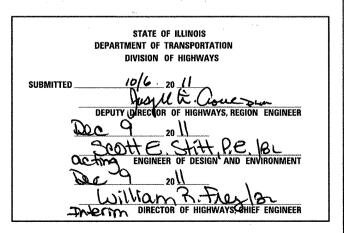
GROSS LENGTH = N/A FT. = N/A MILE

CONTRACT NO. 70963









PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF HIGHWAY STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	PLAN SHEETS
6	GPS ANTENNA FOUNDATION DETAIL
7	GPS ANTENNA PEDESTAL DETAIL
8	ELECTRIC SERVICE INSTALLATION AND GPS RECEIVER BOX DETAIL

LIST OF HIGHWAY STANDARDS

	STANDARD NO.	DESCRIPTION
	000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
	001001-02	AREAS OF REINFORCEMENT BARS
	001006	DECIMAL OF AN INCH AND OF A FOOT
1000	664001 - 02	CHAIN LINK FENCE
	701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
	701106 - 02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
	701901- 02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR

G.N.-105.07B

EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL SECURE AN APPROVED LOCATING FIRM TO LOCATE STATE-OWNED UTILITIES PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES IN ACCORDANCE TO SECTION 803 OF THE STANDARD SPECIFICATIONS. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTORS OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.)
THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY.
THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

THE CONTRACTOR SHOULD NOTE THE FOLLOWING UTILITY CONTACTS:

MR. DAVID BURKYBILE
*ILLINOIS DEPARTMENT OF
TRANSPORTATION
13473 IL HWY 133
P.O. BOX 610
PARIS, IL 61944-0610
(217) 466-7383
MOB: (217) 836-8236

INTERCHANGE LIGHTING INTERSTATE 74
GAS - NONE (ELECTRIC HEAT)
WATER - (OAKWOOD WATER DISTRCIT)
SEWER - (LEACH FIELDS)
ELECTRIC - (FROM REST AREA TO
SEPTIC SYSTEM)

G.N.-105.09A

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

NO COMMITMENTS

FILE NAME =	USER NAME : hogenby	DESIGNED -	BJH 9/6/2011	REVISED	
a:\pw.work\pwidot\hoganbj\d0273753\0570	963-sht-gennote,dgn	DRAWN -	Mary Marie M	REVISED	
	PLOT SCALE = 100.0000 1/ to.	CHECKED -		REVISED	•
	PLOT DATE : 10/5/2011	DATE -	***************************************	REVISED	• .

STATE	0F	ILLINOIS	
DEPARTMENT	OF T	TRANSPORTATION	

ND	EX OF	SHI	EETS	, LIST OF HI	GHWAY	STANDARDS	F.A.I. RTE.		SE	CTION		COUNTY	TOTAL	SH
			ANI	GENERAL	NOTES		74	GPS C	ORE :	STATION	2012-1	VERMILION	8	
	CUCCT			CHECTE		***************************************						CONTRAC	T NO. 7	09
						TO CTA								

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAI74

RURAL INTERSTATE GPS CORE STATION

AT SALT KETTLE REST AREA

VERMILION COUNTY

FUNDING BREAKOUT:

100% STATE

CONSTRUCTION TYPE CODE:

UNIT

0044

TOTAL QUANTITY

ITEM

CUYD

EARTH EXCAVATION 20200100

25,0

AGGREGATE SURFACE COURSE, TYPE A 6" 40200500

SQ YD

141.0

66400305 CHAIN LINK FENCE, 6' FOOT

135.0

66402800 CHAIN LINK GATES, 6' X 5' SINGLE EACH

1.0

1.0

67100100 MOBILIZATION L SUM

UNDERGROUND CONDUIT, PVC, 1/2" DIA. 81028300

FOOT FOOT 35.0

81028320 UNDERGROUND CONDUIT, PVC, 1" DIA.

FOOT

40.0 50.0

1.0

ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-12/C, 1-12/C GROUND 81702441

CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER

EQUIPMENT CABINET AND PEDESTAL MOUNTED BASE

20.0

WEED BARRIER FABRIC

FOOT SQYD

141.0

X0325267 GPS ANTENNA PEDESTAL EACH

EACH

1.0

X0326411 * DENOTES SPECIALTY ITEM

87800415

X0321501

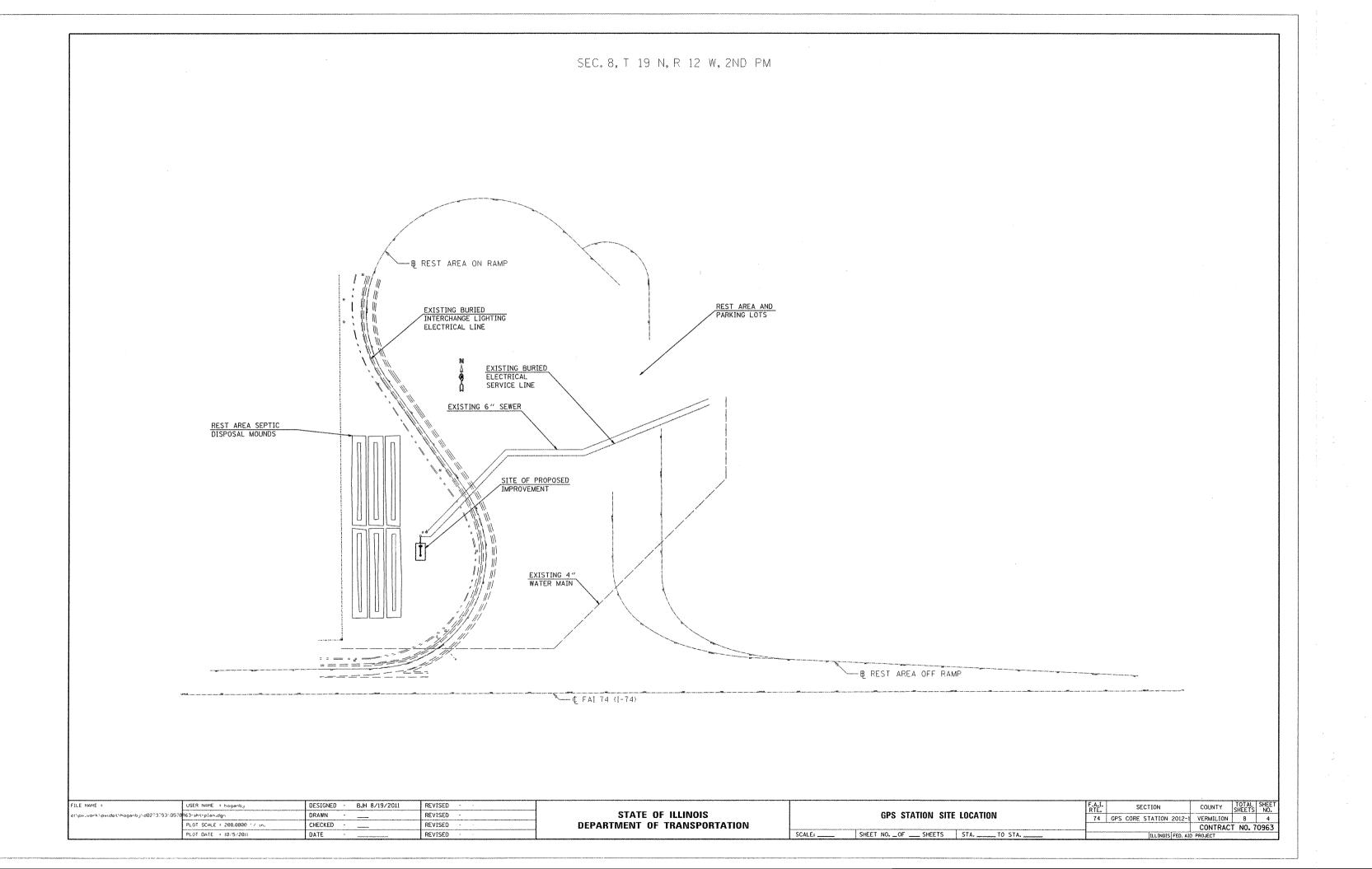
CODE NO.

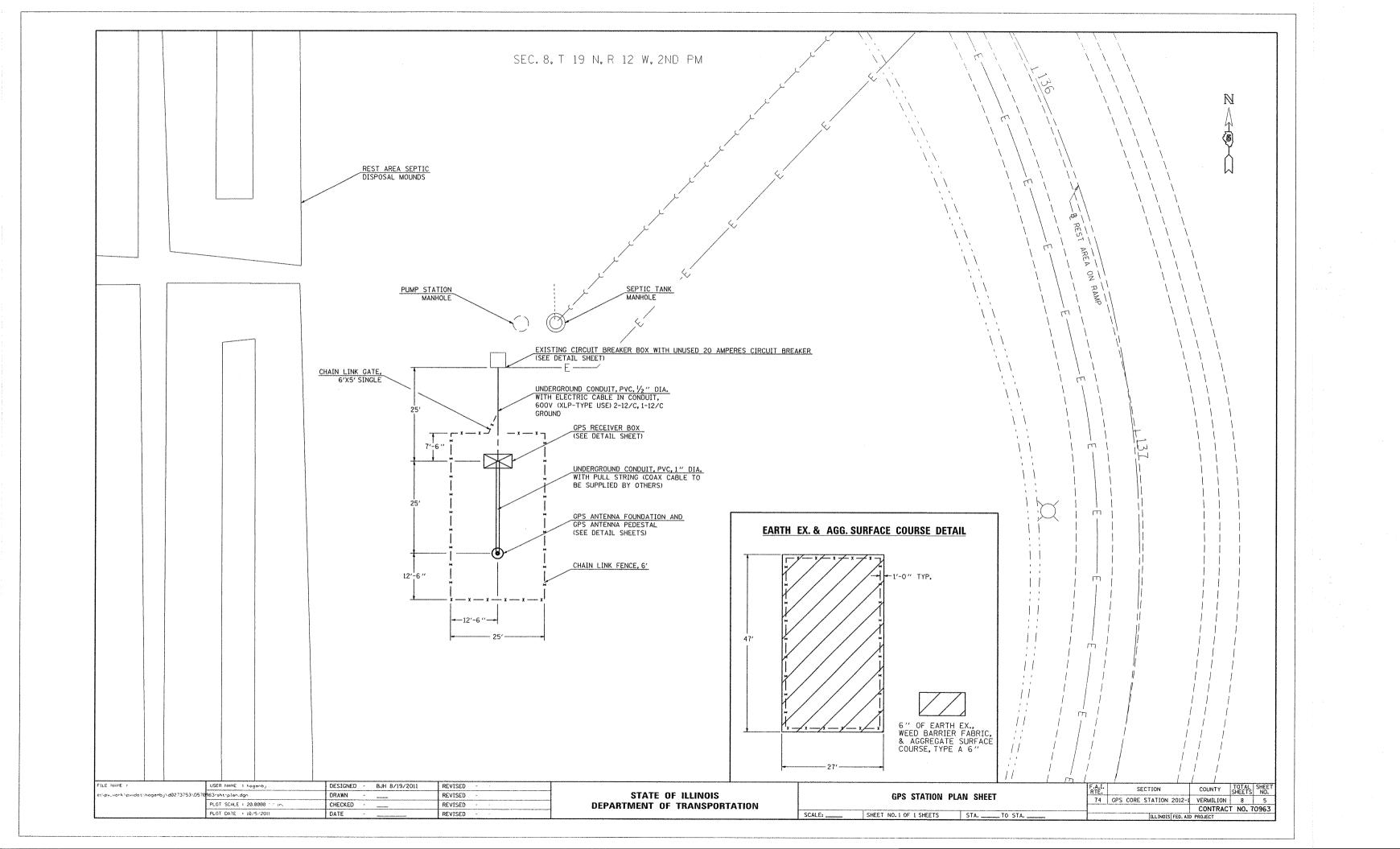
SUMMARY OF QUANTITIES

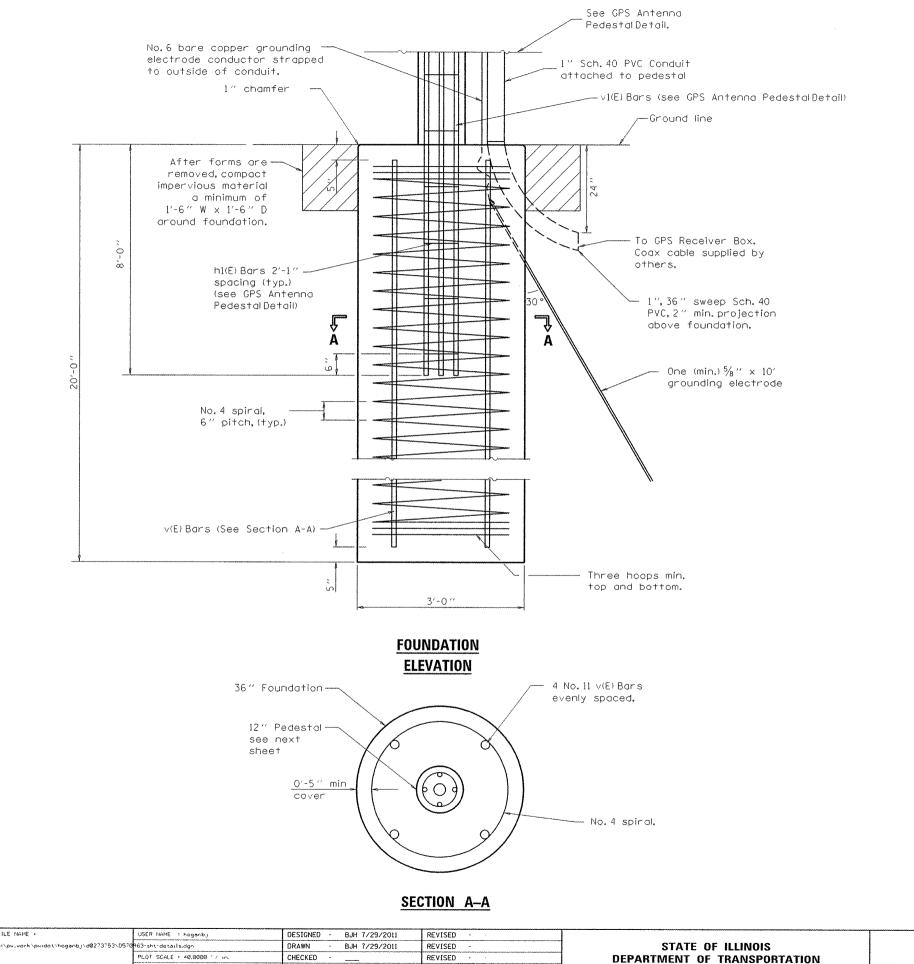
F.A.I. SECTION COUNTY TOTAL SHEET NO.

74 GPS CORE STATION 2012-1 VERMILION 8 3 CONTRACT NO. 70963

FILE NAME : DESIGNED - BJH 9/6/2011 REVISED DRAWN REVISED STATE OF ILLINOIS 0963-sht-500_1.dgn PLOT SCALE = 100,0000 1/ 10. **DEPARTMENT OF TRANSPORTATION** CHECKED REVISED PLOT DATE : 10/5/2011 SHEET NO. 1 OF 1 SHEETS STA. _____TO STA. ____ DATE REVISED







REVISED

FILE NAME =

PLOT DATE : 10/5/2011

DATE

GENERAL NOTES

All foundation reinforcement steel shall be epoxy coated.

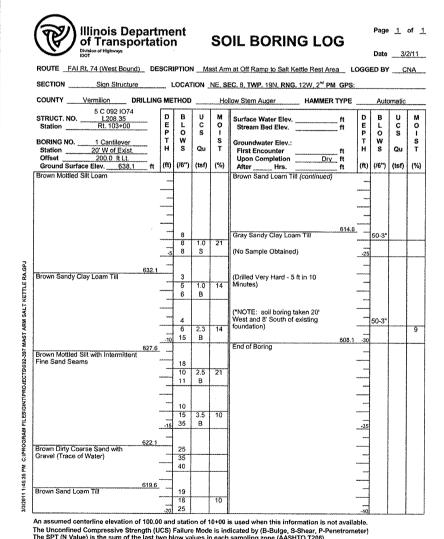
The cost of reinforcement and concrete shall be included in the cost of the foundation.

The foundation and pedestal shall be poured monolithically and shall have no construction joints.

Grounding electrodes shall be installed in an access well when there is a conflict in using the method

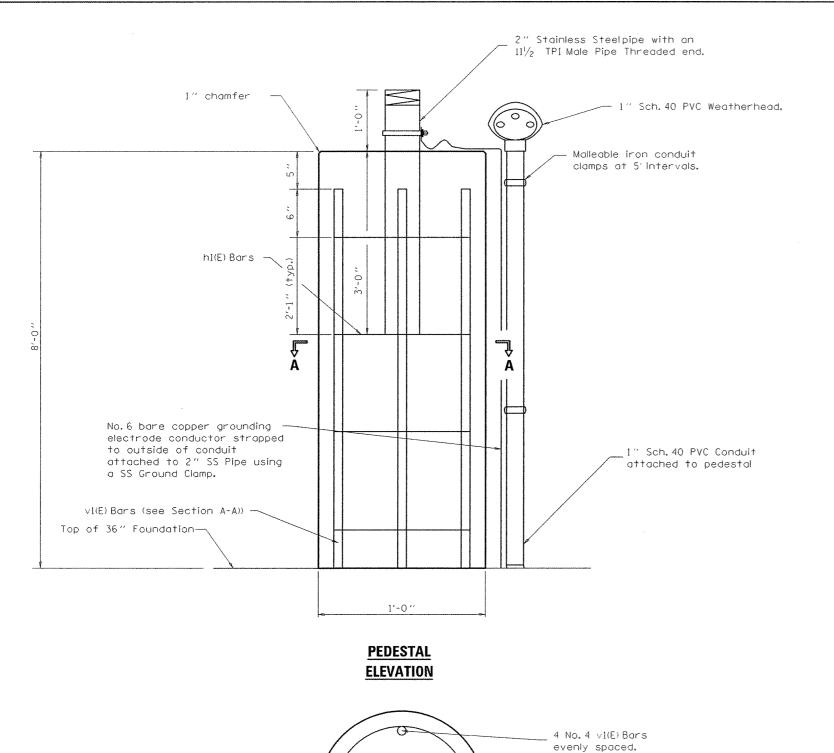
All dimensions are in inches unless otherwise shown.

The shaft length(s) shall be based on soil borings in the plans. If different soils are encountered, the engineer shallbe notified to provide a revised length.



An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

GPS ANTENNA	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
FOUNDATION DETAIL	74	GPS CORE STATION 2012-1		8	6
SCALE: SHEET NOOF SHEETS STA TO STA		ILLINOIS FED. AI	CONTRAC D PROJECT	T NO. 7	0963



SECTION A-A

 $\frac{2^{l}/2^{"}}{\text{cover}}$

GENERAL NOTES

All pedestal reinforcement steel shall be epoxy coated.

The cost of reinforcement and concrete shall be included in the cost of the pedestal.

The foundation and pedestal shall be poured monolithically and shall have no construction joints.

All dimensions are in inches unless otherwise shown.



BAR h1(E)

211 22 212									
BILL OF MATERIALS									
BAR	SHAPE	NO.	SIZE	LENGTH					
spiral(E)	0	1	#4	241′-10 ′′					
h1(E)	0	8	#4	1′-7′′					
v(E)		4	#11	19′-2′′					
v1(E)		4	#4	15′-7′′					
*CONCRETE	STRUCTURES	CU. YDS.	5.5						
*REINFORCE EPOXY COA		LBS.	619						

*FOR INFORMATION ONLY

F	ILE NAME :	USER NAME = hoganby	DESIGNED - BJH 7/29/2011	REVISED -			GPS ANTENNA	F.A.I. SECTION COUNTY TOTAL SHEET
- 1	e:\pw.work\pwidat\hoganbj\d0273753\0570	63-sht-details.dgn	DRAWN - BJH 7/29/2011	REVISED -	STATE OF ILLINOIS		PEDESTAL DETAIL	74 GPS CORE STATION 2012-1 VEMILION 8 7
		PLGT SCALE : 40.0000 '/ in.	CHECKED	REVISED - ·	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 70963
L		PLOT DATE : 10/5/2011	DATE	REVISED - ·		SCALE:	SHEET NOOF SHEETS STATO STA	ILLINOIS FEO. AID PROJECT

8 No. 4 h1(E) bars rings evenly spaced.

 $2\,^{\prime\prime}$ Stainless Steelpipe with an $11^{\text{I}}/_2$ TPI Male Pipe Threaded end.

