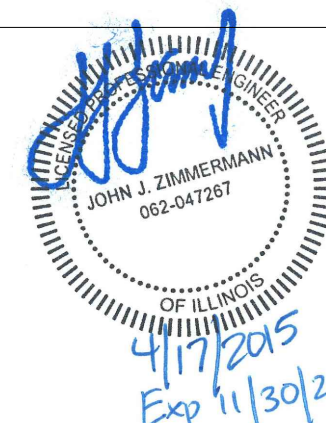


SBA TOWERS VI LLC  
 5900 BROKEN SOUND PKWY NW  
 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483

**CHICAGO SMSA**  
 d/b/a VERIZON WIRELESS

**LOCATION NUMBER: 279503**  
**SITE NAME: NORTH POINT PLAZA**



**SITE NUMBER: IL16128-B**  
**SITE NAME: PEORIA 3**  
**E911 ADDRESS: HALE AVE, PEORIA, IL 61614**

PROPOSED 145' MONOPOLE TOWER  
 WITH COMMUNICATION EQUIPMENT



NO.	DESCRIPTION	DATE
1.	ISSUED FOR REVIEW	02/25/15
2.	REVISED LEASE AREA	02/27/15
3.	UPDATE ACCESS DRIVE MATERIAL	03/11/15
4.	UPDATE SBA LEASE AREA	03/25/15
5.	UPDATE PER CITY OF PEORIA COMMENTS	04/17/15

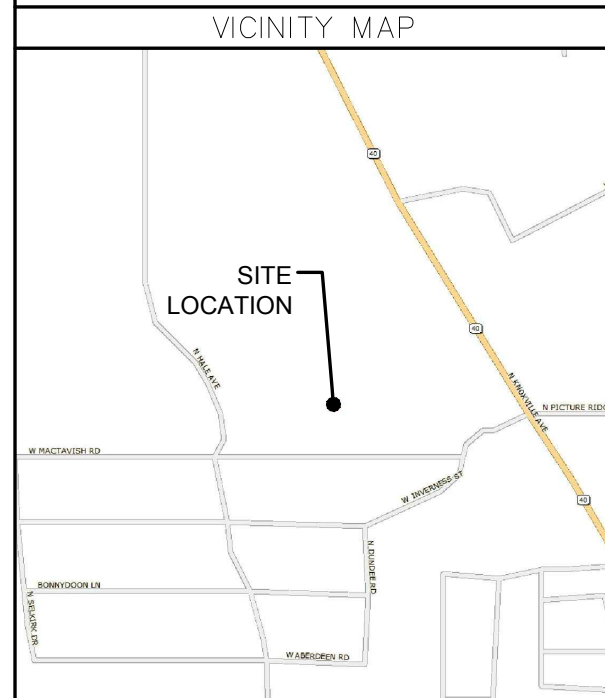
SHEET INDEX		
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ANT-3	ANTENNA MOUNTING DETAILS	-
ANT-4	ANTENNA MOUNTING DETAILS	-
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**SITE IL16128-B**  
**PEORIA 3**  
 HALE AVE  
 PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE	TITLE SHEET
SHEET NUMBER	<b>T-1</b>



PROJECT INFORMATION	
SITE NUMBER:	IL16128-B
SITE NAME:	PEORIA 3
SITE ADDRESS:	HALE AVE PEORIA, IL 61614
COUNTY:	PEORIA
LAND OWNER:	BRAD JOSEPH 5001 N UNIVERSITY PEORIA, IL 61614 309-692-1135
APPLICANT:	SBA TOWERS VI, LLC 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487
CONTACT PERSON:	LAURA HALPENNY (630) 802-2357
LATITUDE:	40° 47' 32.21" (FROM 1A)
LONGITUDE:	89° 36' 24.15" (FROM 1A)
LAT/LONG TYPE:	DEGREES MINUTES AND SECONDS
GROUND ELEVATION:	794'
CURRENT ZONING:	COMMERCIAL
PARCEL No.:	14-05-278-011

OPERATES 24 HOURS  
 A DAY 365 DAYS A YEAR

CALL JULIE TOLL FREE  
 1(800) 892-0123  
 48 HOURS BEFORE  
 YOU DIG

**DRIVING DIRECTIONS**

FROM LESSEE OFFICE IN SCHAUMBURG, IL:  
 DEPART E WOODFIELD RD TOWARD N PLAZA DR (0.6 MI). TURN RIGHT ONTO W FRONTAGE RD (0.5 MI). TAKE RAMP LEFT FOR I-290 EAST / IL-53 SOUTH TOWARD CHICAGO (4.5 MI). KEEP LEFT ONTO I-355 S (20.1 MI). TAKE RAMP RIGHT FOR I-55 SOUTH TOWARD ST LOUIS (19.0 MI). AT EXIT 250B, TAKE RAMP RIGHT FOR I-80 WEST TOWARD IOWA (64.9 MI). AT EXIT 61, TAKE RAMP RIGHT FOR I-180 SOUTH TOWARD HENNEPIN (9.6 MI). TAKE RAMP RIGHT FOR IL-29 S TOWARD PEORIA (1.7 MI). ROAD NAME CHANGES TO IL-29 (16.8 MI). ROAD NAME CHANGES TO IL-17 / IL-29 / N RAILROAD ST (0.3 MI). KEEP STRAIGHT ONTO IL-29 / S RAILROAD ST (9.2 MI). KEEP STRAIGHT ONTO IL-29 S / S 4TH ST (7.0 MI). TURN RIGHT ONTO ROAD (0.1 MI). TAKE RAMP RIGHT AND FOLLOW SIGNS FOR IL-6 SOUTH (3.7 MI). AT EXIT 6, TAKE RAMP RIGHT FOR IL-40 TOWARD BRADFORD (1.0 MI). BEAR RIGHT ONTO IL-40 / N KNOXVILLE AVE (0.4 MI). TURN RIGHT TOWARD N HALE AVE (0.2 MI). TURN RIGHT ONTO N HALE AVE (48 FT). ARRIVE AT 8627 N HALE AVE, PEORIA, IL 61615.

**SPECIAL NOTES**

**HANDICAPPED REQUIREMENTS:**  
 FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION  
 HANDICAPPED ACCESS REQUIREMENTS NOT REQUIRED










**PLUMBING REQUIREMENTS:**  
 FACILITY HAS NO PLUMBING

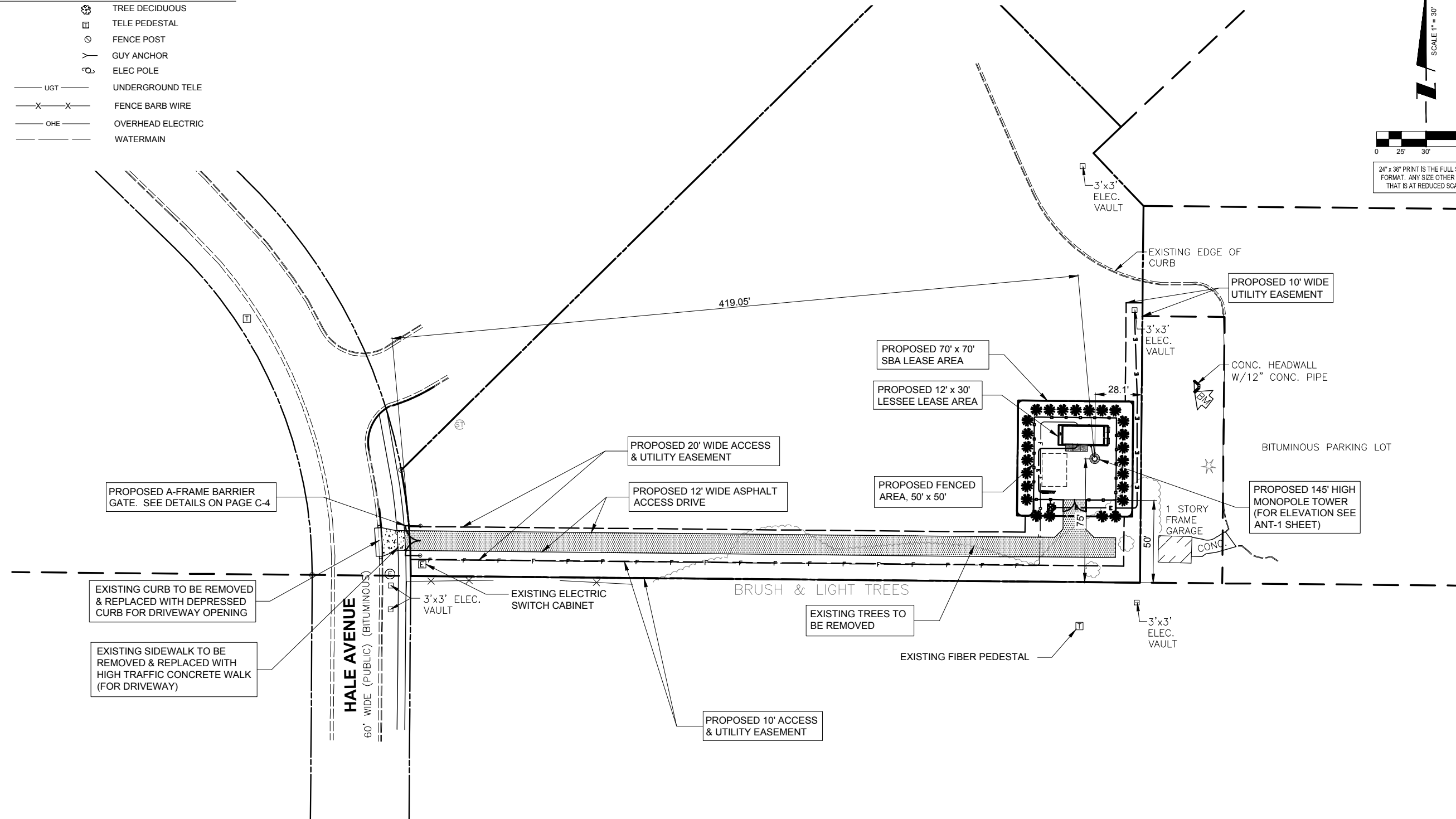
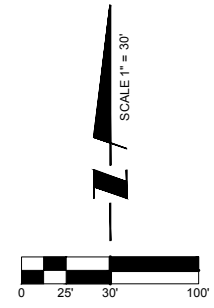
SURVEY ATTACHMENTS	
SS-1	SITE SURVEY

UTILITY CONTACT INFORMATION	
POWER:	FIBER:
AMEREN ILLINOIS	T.B.D.
MICHELLE MCIRVIN	
309-693-4752	

NOTE: UTILITY COORDINATION IS NOT FINALIZED. DO NOT PROCEED WITH CONSTRUCTION UNTIL POWER / TELCO / FIBER HAVE BEEN CONFIRMED.

**LEGEND**

-  TREE DECIDUOUS
-  TELE PEDESTAL
-  FENCE POST
-  GUY ANCHOR
-  ELEC POLE
-  UNDERGROUND TELE
-  FENCE BARB WIRE
-  OVERHEAD ELECTRIC
-  WATERMAIN



**SBA**

SBA TOWERS VI, LLC  
 5900 BROKEN SOUND PKWY NW  
 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483

**TERRA**  
CONSTRUCTION SERVICES, LTD.

600 Busse Highway  
 Park Ridge, IL 60068  
 Ph: 847/698-6400  
 Fax: 847/698-6401

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**SITE IL16128-B**

**PEORIA 3**

HALE AVE  
 PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE  
**LOCATION PLAN**

SHEET NUMBER  
**LP**

**Williams & Works**  
engineers . planners . surveyors a tradition of service

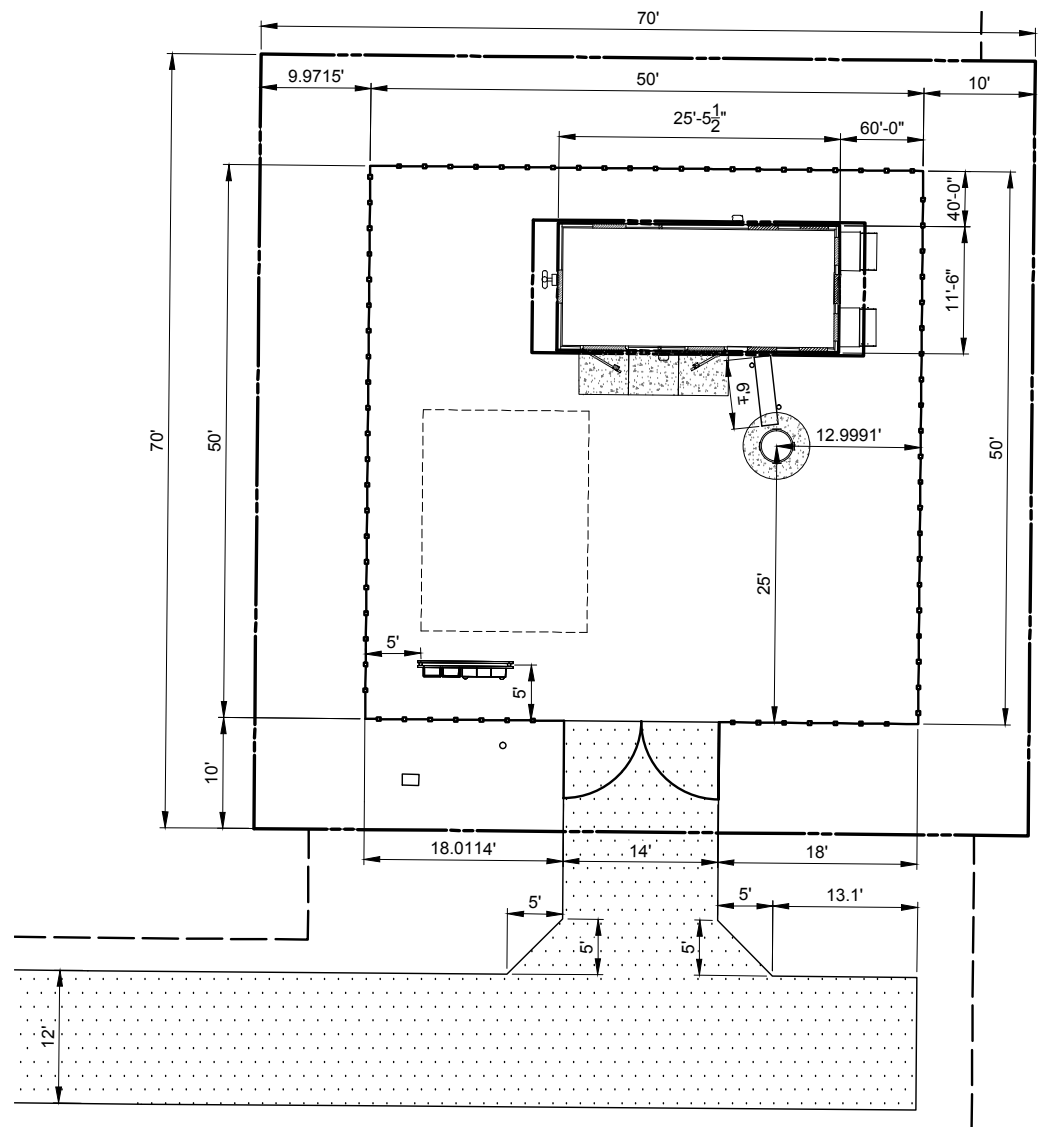
616.224.1500 phone . 616.224.1501 facsimile  
 549 Ottawa Ave NW . Grand Rapids, MI 49503

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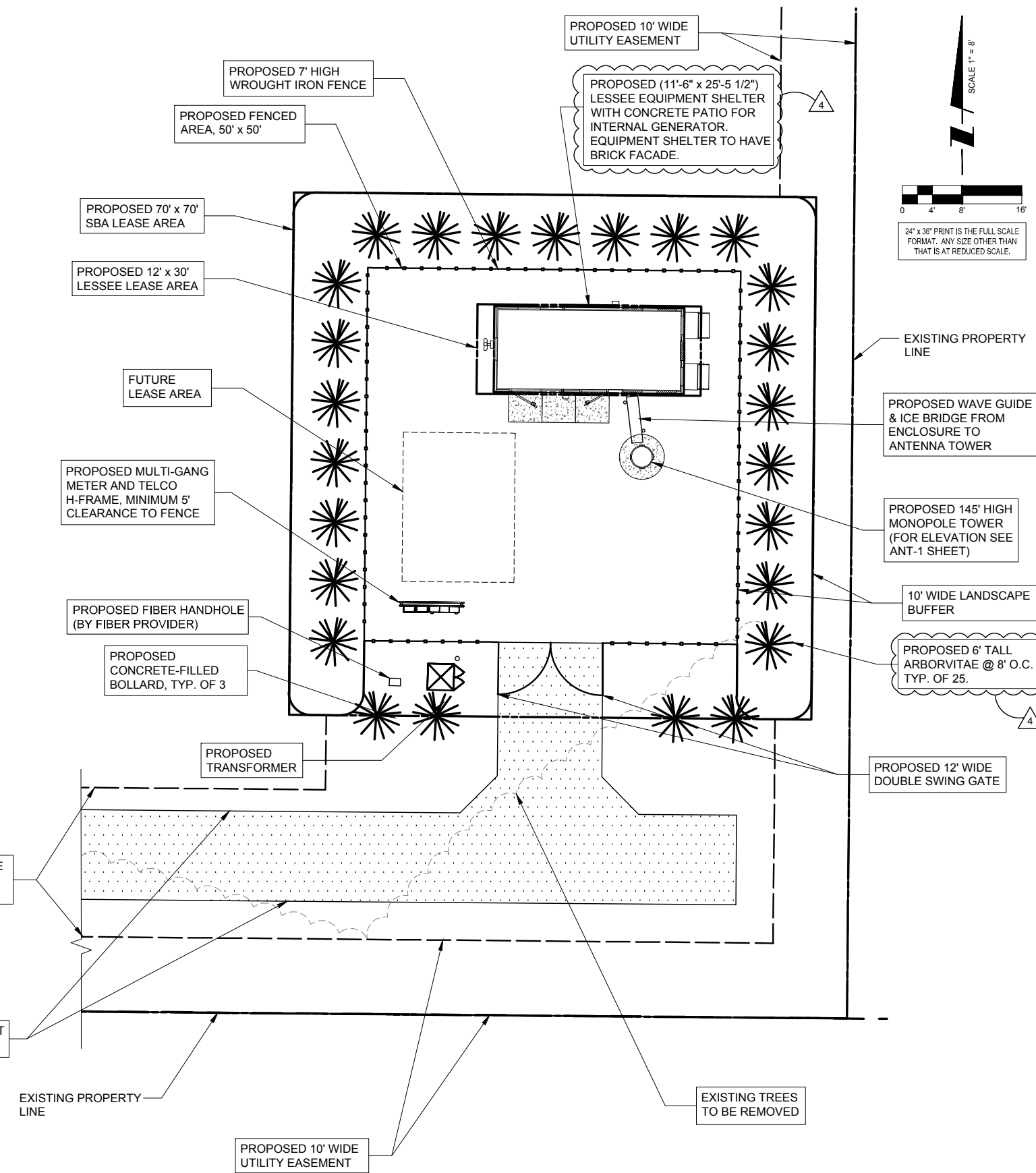
**SITE DIMENSION PLAN**

PAVEMENT MATERIALS AND QUANTITIES	
ACCESS ROAD	637 S.Y.
	1-1/2" HMA SURFACE COURSE
	3" ASPHALT COURSE
	0.30 GAL/SY. BITUMINOUS PRIME COAT (MC-30)
	6" AGGREGATE BASE COURSE, CRUSHED STONE TYPE B
LEASE SITE	278 S.Y.
	5" AGGREGATE BASE COURSE (CRUSHED RUN) (TOP)
	3" #57 WASHED STONE (BOTTOM)
	8 MIL. MIRAFI 500 WEED CONTROL FABRIC
	200 L.F. OF FENCING
THE CONTRACTOR ALSO SHALL INCLUDE A SEPARATE UNIT PRICE PER CUBIC YARD TO REMOVE UNSTABLE OR UNSUITABLE MATERIAL AND HAUL-IN GRANULAR BACKFILL UNDER THE ACCESS DRIVE AND/OR APRON.	



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 549 Ottawa Ave NW . Grand Rapids, MI 49503



**SBA**

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 5900 BROKEN SOUND PKWY NW  
 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483

**TERRA**  
 CONSULTING ENGINEERS, L.P.C.

600 Busse Highway  
 Park Ridge, IL 60068  
 Ph: 847/698-6400  
 Fax: 847/698-6401

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**SITE IL16128-B**

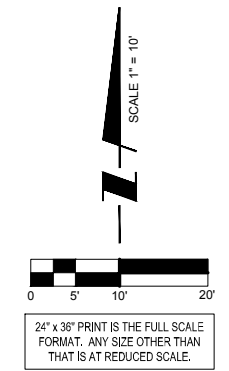
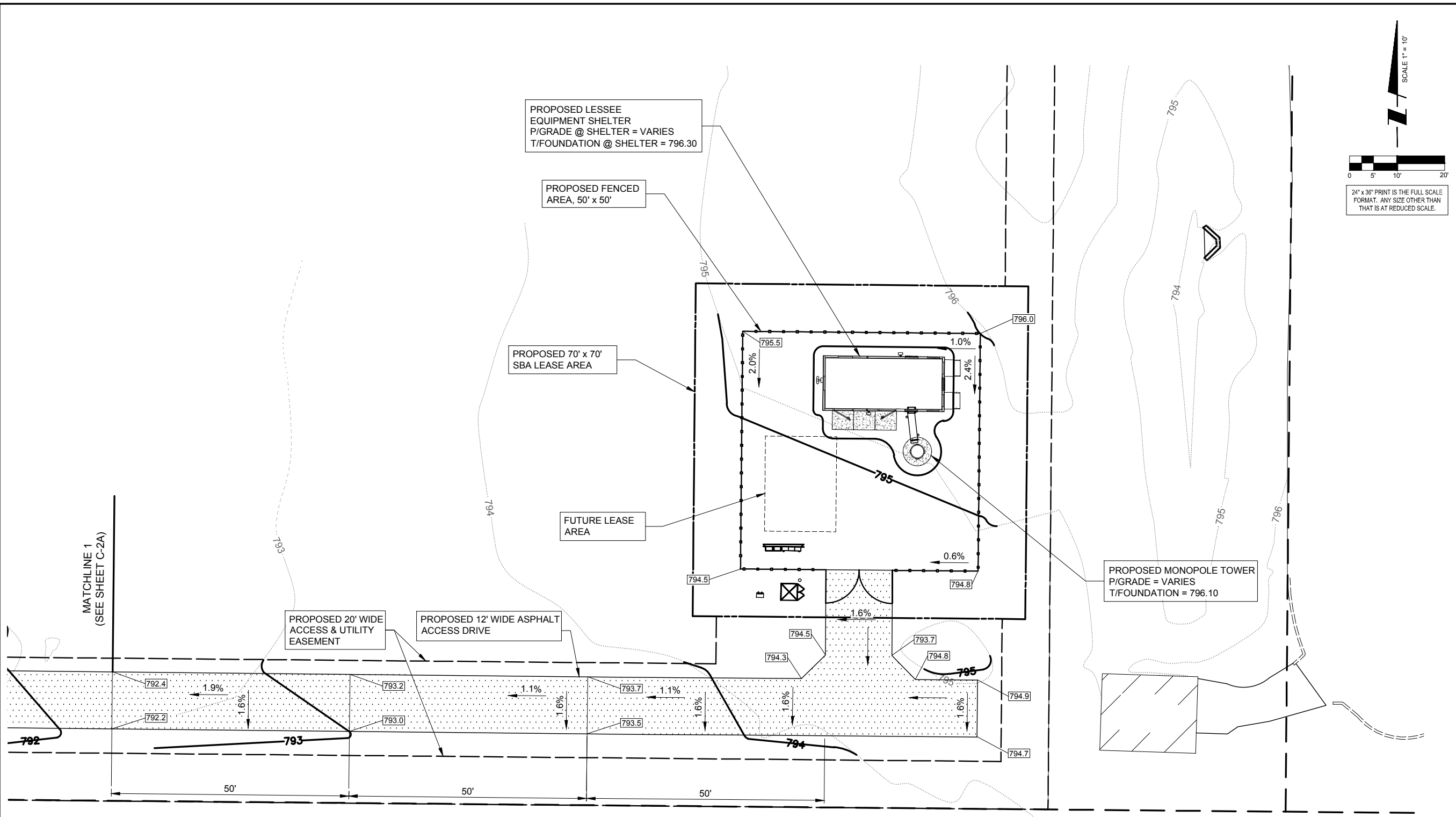
**PEORIA 3**

HALE AVE  
 PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
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PROJECT #:	7544

SHEET TITLE  
**ENGINEERING  
 SITE PLAN**

SHEET NUMBER  
**C-1**



**SBA**

SBA TOWERS VI, LLC  
 5900 BROKEN SOUND PKWY NW  
 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483

**TERRA**  
 CONSULTING ENGINEERS, LTD.

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 Park Ridge, IL 60068  
 Ph: 847/698-6400  
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**SITE IL16128-B**

**PEORIA 3**

HALE AVE  
 PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE  
**SITE GRADING PLAN**

SHEET NUMBER  
**C-2**

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 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483

**TERRA**  
 CONSULTING GROUP, LTD.

600 Busse Highway  
 Park Ridge, IL 60068  
 Ph: 847/698-6400  
 Fax: 847/698-6401

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**SITE IL16128-B**

**PEORIA 3**

HALE AVE  
 PEORIA, IL 61614

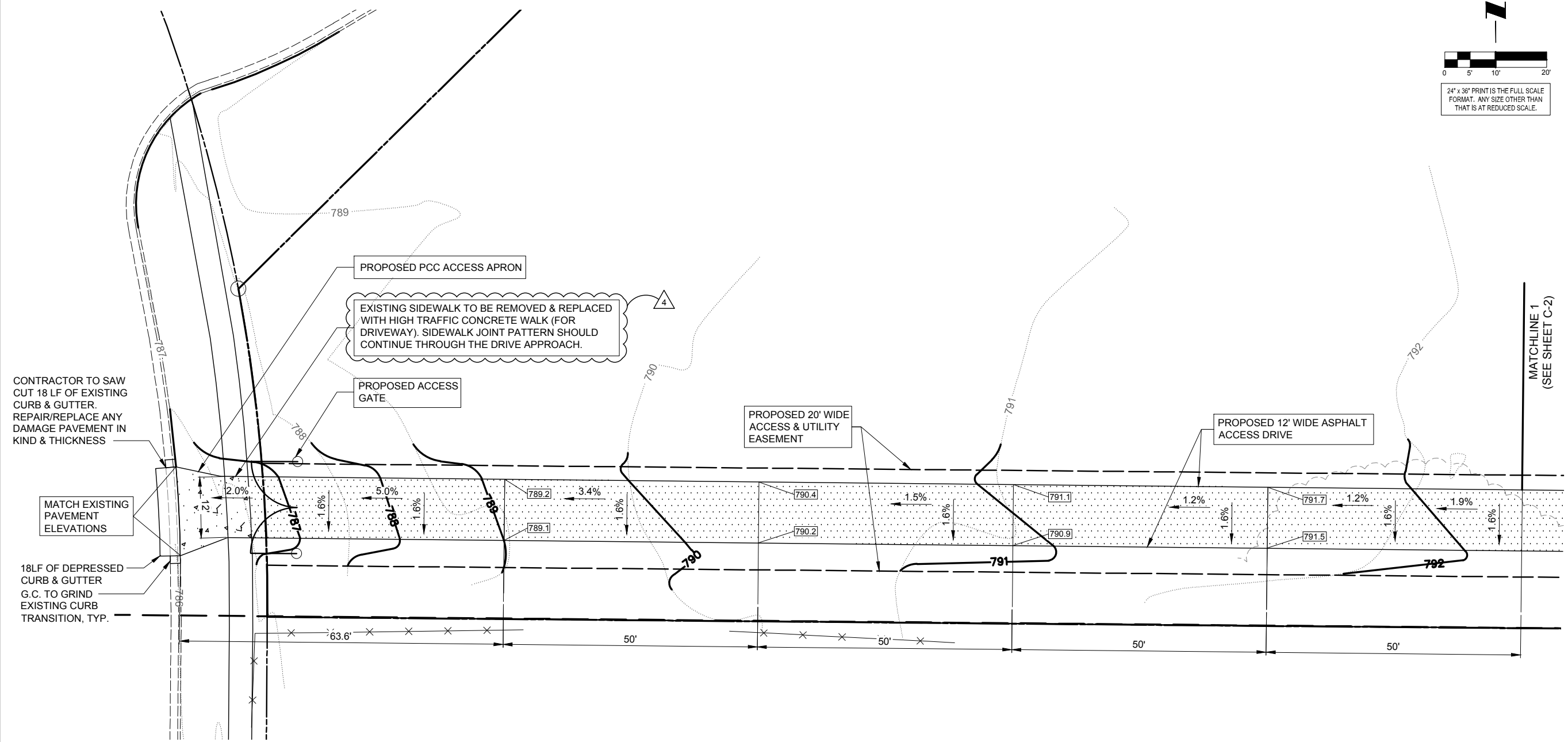
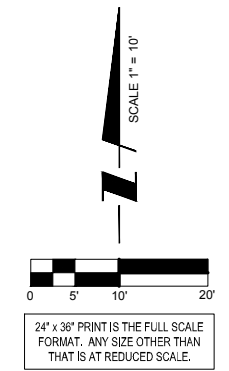
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SHEET TITLE

**SITE GRADING PLAN**

SHEET NUMBER

**C-2A**



OPERATES 24 HOURS  
 A DAY 365 DAYS A YEAR

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**GENERAL NOTES AND CONDITIONS**

1. ALL EARTHWORK, GRADING AND PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT STATE DEPARTMENT OF TRANSPORTATION STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THE CONTRACTOR SHALL KEEP CAREFUL MEASUREMENTS AND RECORDS OF ALL CONSTRUCTION AND SHALL FURNISH THE ENGINEER AND THE MUNICIPALITY WITH RECORD DRAWINGS UPON COMPLETION OF HIS WORK. ONE SET OF MYLAR-REPRODUCIBLE RECORD DRAWINGS AND COPIES MUST BE FURNISHED TO THE OWNER BY THE CONTRACTOR.
3. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL INCLUDE ALL DEFECTS IN MATERIALS AND WORKMANSHIP.
4. ALL DIRT WILL BE DISPOSED OF OFFSITE BY THE CONTRACTOR.
5. ALL STRUCTURES, INLETS, PIPES, SWALES AND ROADS MUST BE KEPT CLEAN AND FREE OF DIRT AND DEBRIS AT ALL TIMES.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SIGNS, BARRICADES, FENCING, TRAFFIC CONTROL DEVICES AND MEASURES, AND ALL OTHER MEASURES THAT ARE NECESSARY TO PROTECT THE SAFETY OF THE SITE AT ALL TIMES.
7. THE CONTRACTOR, BY AGREEING TO PERFORM THE WORK, AGREES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ENGINEER, THE VILLAGE, AND ALL AGENTS AND ASSIGNS OF THOSE PARTIES, FROM ALL SUITS AND CLAIMS ARISING OUT OF THE PERFORMANCE OF SAID WORK, AND FURTHER AGREES TO DEFEND OR OTHERWISE PAY ALL LEGAL FEES ARISING OUT OF THE DEFENSE OF SAID PARTIES.
8. WORK MUST COMMENCE AND BE COMPLETED BY THE TIME INDICATED IN THE PROJECT SPECIFICATIONS.
9. EXISTING UTILITIES, IF ANY, ARE SHOWN AS A GUIDE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATING ANYWHERE ON THE SITE.
10. ALL ADDENDA, IF ANY, MUST BE ACKNOWLEDGED WITH THE BID.

**EARTHWORK, GRADING, AND PAVING**

1. ALL PROPOSED PAVEMENT AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
2. THE SUBGRADE SHALL BE FREE OF ALL UNSUITABLE MATERIAL AND SHALL BE COMPACTED TO A MINIMUM 95 PER CENT OF MODIFIED PROCTOR DENSITY.
3. THE QUANTITIES CONTAINED IN THESE DOCUMENTS ARE APPROXIMATE AND ESTIMATED, AND ARE PRESENTED AS A GUIDE TO THE CONTRACTOR IN DETERMINING ALL QUANTITIES AND TO BECOME FAMILIAR WITH THE SITE AND SOIL CONDITIONS.
4. THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.
5. THE PAVING CONTRACTOR IS RESPONSIBLE FOR THE FINAL SUBGRADE PREPARATION, THE PAVEMENT BASE, BINDER, AND SURFACE, AND ALL FINAL CLEAN-UP AND RELATED WORK ASSOCIATED WITH THE PAVING OPERATION.
6. UPON COMPLETION OF THE PAVING, THE CONTRACTOR WILL ENSURE THAT POSITIVE DRAINAGE EXISTS ADJACENT TO ALL CONSTRUCTED IMPROVEMENTS.

**SOIL EROSION AND SEDIMENT CONTROL**

1. REASONABLE CARE MUST BE TAKEN TO MINIMIZE SOIL EROSION. REFER TO PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL PREPARED BY THE U.S. SOIL AND CONSERVATION SERVICE.
2. ALL INLETS, STRUCTURES, PIPES, SWALES, AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.
3. STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE TO CONTROL SILT IF NEEDED. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN NINE MONTHS, IT MUST HAVE SUFFICIENT VEGETATION TO CONTROL BOTH WATER AND WIND EROSION.
4. STRAW BALES FIRMLY ANCHORED SHALL BE PLACED AROUND ALL INLETS, CATCHBASINS, AND SWALES THAT RECEIVE SILTY RUNOFF DURING THE COURSE OF CONSTRUCTION.
5. SILT FENCE TO BE CONSTRUCTED ALONG THE DOWN SLOPE OF THE CONSTRUCTION AREA.
6. MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT.
7. REPLACE SOIL EROSION CONTROL DEVICES WITH SOD AND TOPSOIL AT THE COMPLETION OF THE PROJECT.
8. ALL ADJACENT ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
9. ADDITIONAL SOIL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN IF DEEMED NECESSARY BY THE ENGINEERING INSPECTOR DURING THE COURSE OF CONSTRUCTION.

SBA  
SITE I.D.#:  
FCC#:  
LEASING (800)487-SITE (7483)  
EMERGENCY (888) 950-SITE (7483)  
WWW.SBASITE.COM  
12"x24" x.063  
ALUMINUM

CAUTION  
18"x12" .040  
ALUMINUM

PLEASE  
KEEP  
GATE  
CLOSED  
18"x12" .040  
ALUMINUM

SBA  
NETWORK SERVICES, INC.  
1-800-825-7029  
CAUTION HARD HATS REQUIRED IN THIS AREA  
NOTICE AUTHORIZED PERSONNEL ONLY  
WARNING FALL PROTECTION REQUIRED  
CAUTION WIRE WORKING ABOVE  
FCC#:  
NEAREST HOSPITAL:  
EMERGENCY #:  
18"x24" .040  
ALUMINUM

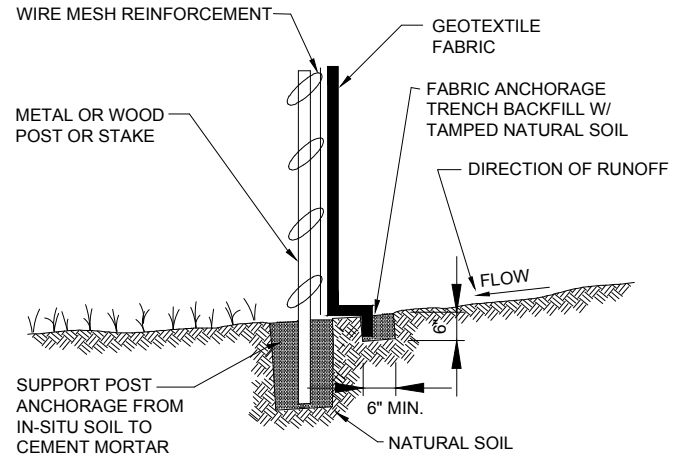
NO  
TRESSPASSING!  
AUTHORIZED  
ENTRY ONLY  
WARNING  
ANTENNAS  
MAY BE  
ACTIVE  
DO NOT CLIMB  
TOWER WITHOUT  
OWNERS WRITTEN  
AUTHORIZATION  
18"x24" .040  
ALUMINUM

SBA  
SBA TOWERS  
SITE I.D.#:  
FCC#:  
EMERGENCY (888) 950-SITE (7483)  
LEASING (800)487-SITE (7483)  
18"x24" SF C-X  
PLASTIC (TEMP)

FCC # 1215412  
4"x18" .040  
ALUMINUM

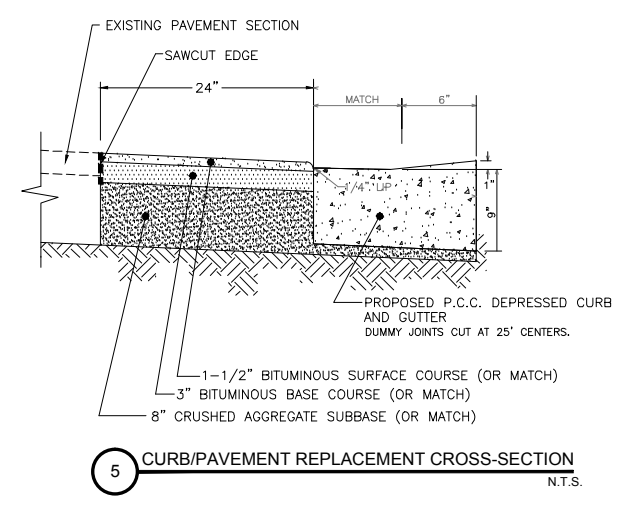
NOTE:  
CONTRACTOR TO POST THE  
TEMPORARY SIGNS PRIOR TO  
SITE CONSTRUCTION.

1 SIGN DETAIL N.T.S.

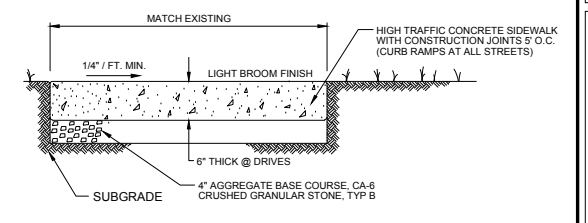


NOTE:  
DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/ NAILS.

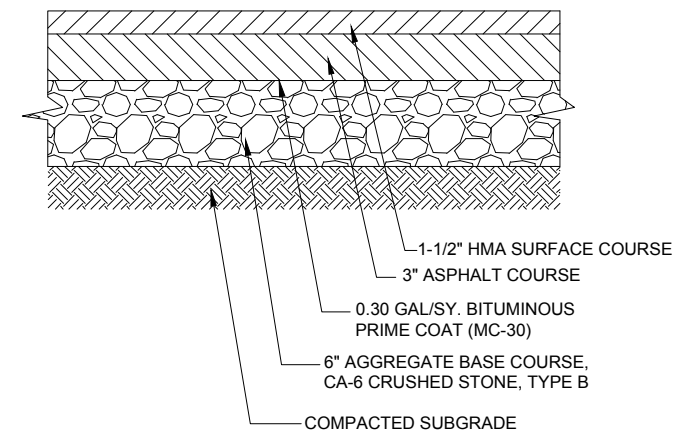
2 TYPICAL SILT FENCE DETAIL N.T.S.



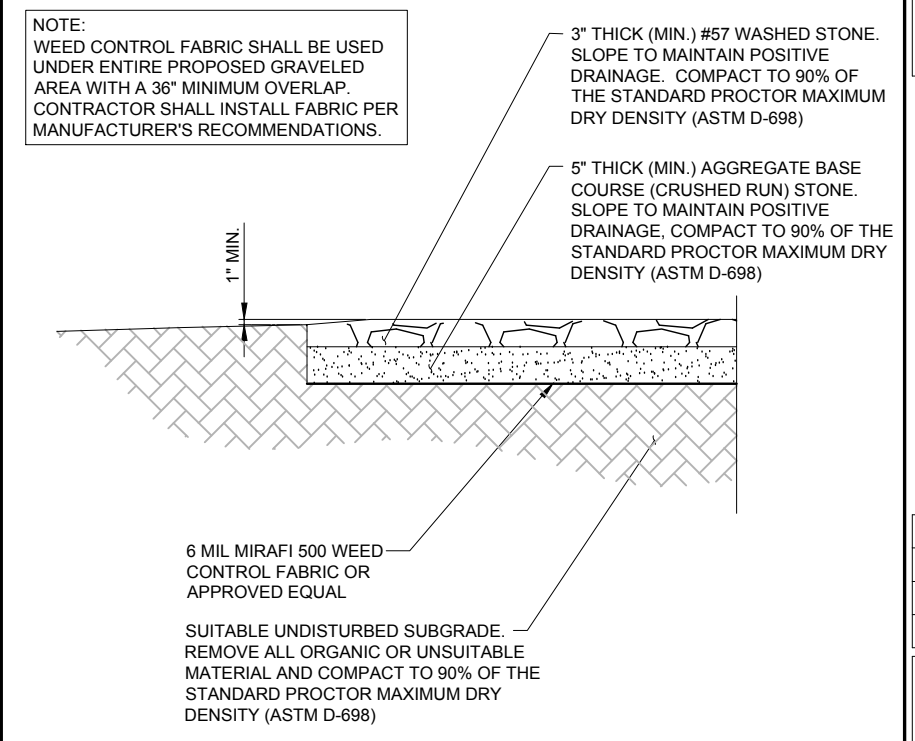
5 CURB/PAVEMENT REPLACEMENT CROSS-SECTION N.T.S.



6 CONCRETE SIDEWALK N.T.S.



3 BITUMINOUS ROAD SECTION N.T.S.



4 COMPOUND FINISH DETAIL N.T.S.

SBA  
SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
PHONE: 1-800-487-7483

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SITE IL16128-B  
PEORIA 3

HALE AVE  
PEORIA, IL 61614

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SHEET TITLE  
SITE DETAILS  
& SPECIFICATIONS

SHEET NUMBER  
**C-3**



SBA TOWERS VI, LLC  
 5900 BROKEN SOUND PKWY NW  
 BOCA RATON, FL 33487  
 PHONE: 1-800-487-7483



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SITE IL16128-B

PEORIA 3

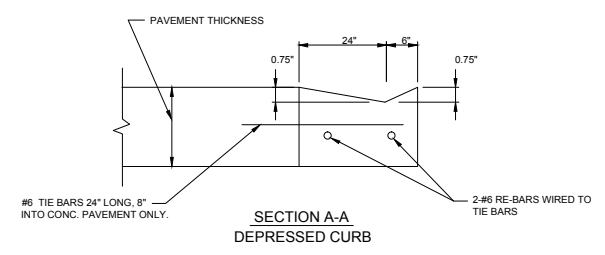
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 SITE DETAILS  
 & SPECIFICATIONS

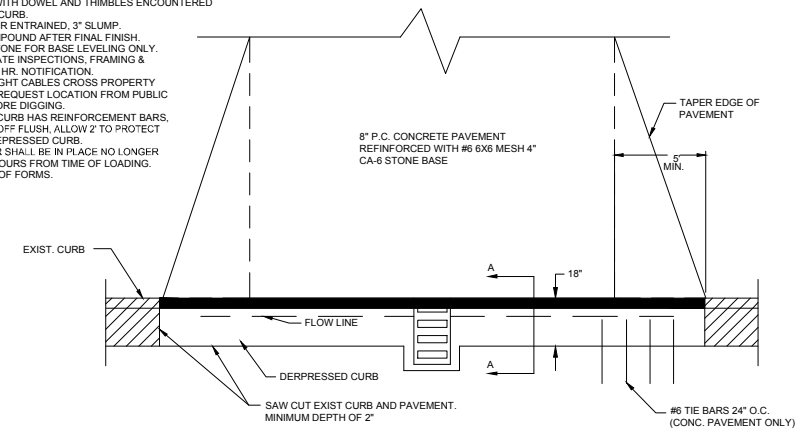
SHEET NUMBER  
**C-3A**

- NOTE:
- IF TIE BAR IS LOOSE FIT, MORTAR IN PLACE.
  - NO RE-BAR CLOSER THAN 2" TO EXPOSED SURFACE

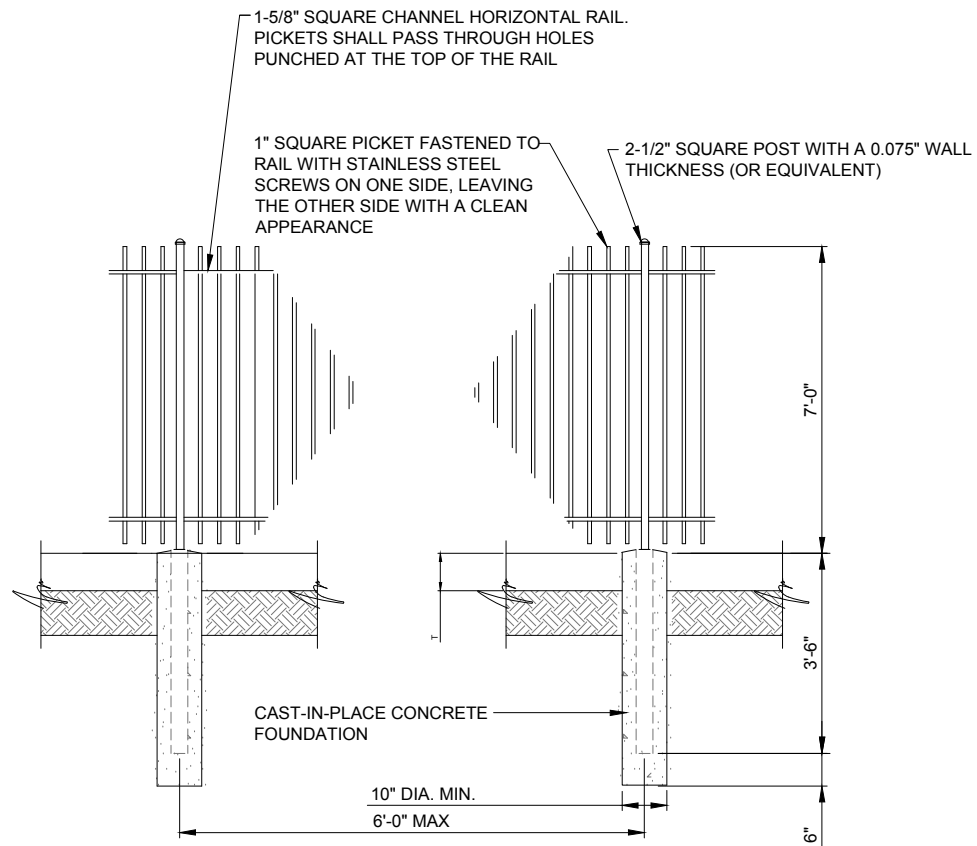


GENERAL NOTES:

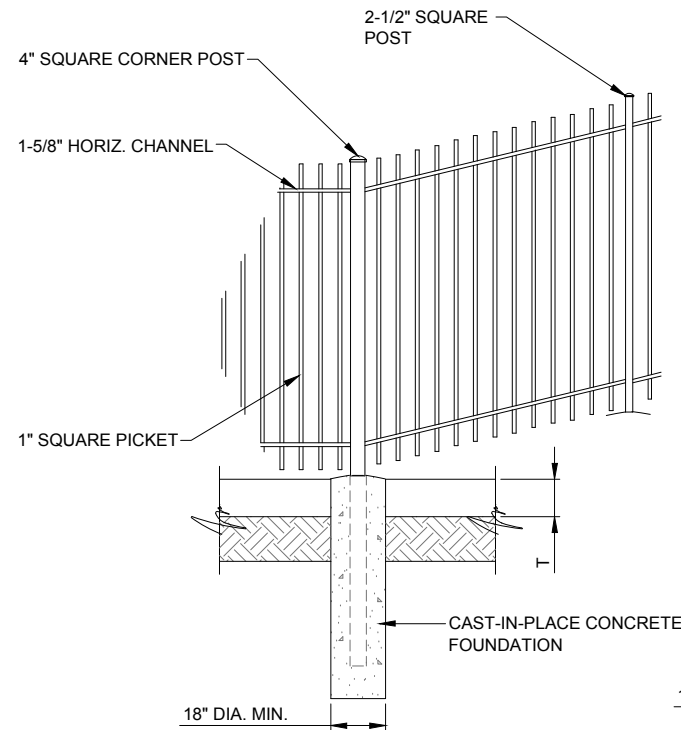
- REPLACE ANY EXPANSION OR CONTRACTION JOINTS, COMPLETE WITH DOWEL AND THIMBLES ENCOUNTERED IN EXISTING CURB.
- 6 BAG MIX, AIR ENTRAINED, 3" SLUMP.
- CURING COMPOUND AFTER FINAL FINISH.
- CRUSHED STONE FOR BASE LEVELING ONLY.
- TWO SEPARATE INSPECTIONS, FRAMING & POURING, 24 HR. NOTIFICATION.
- IF STREET LIGHT CABLES CROSS PROPERTY FRONTAGE, REQUEST LOCATION FROM PUBLIC WORKS BEFORE DIGGING.
- IF EXISTING CURB HAS REINFORCEMENT BARS, DO NOT CUT OFF FLUSH, ALLOW 2" TO PROTECT INTO NEW DEPRESSION CURB.
- ENTIRE POUR SHALL BE IN PLACE NO LONGER THAN 1-1/2 HOURS FROM TIME OF LOADING.
- SPADE SIDE OF FORMS.



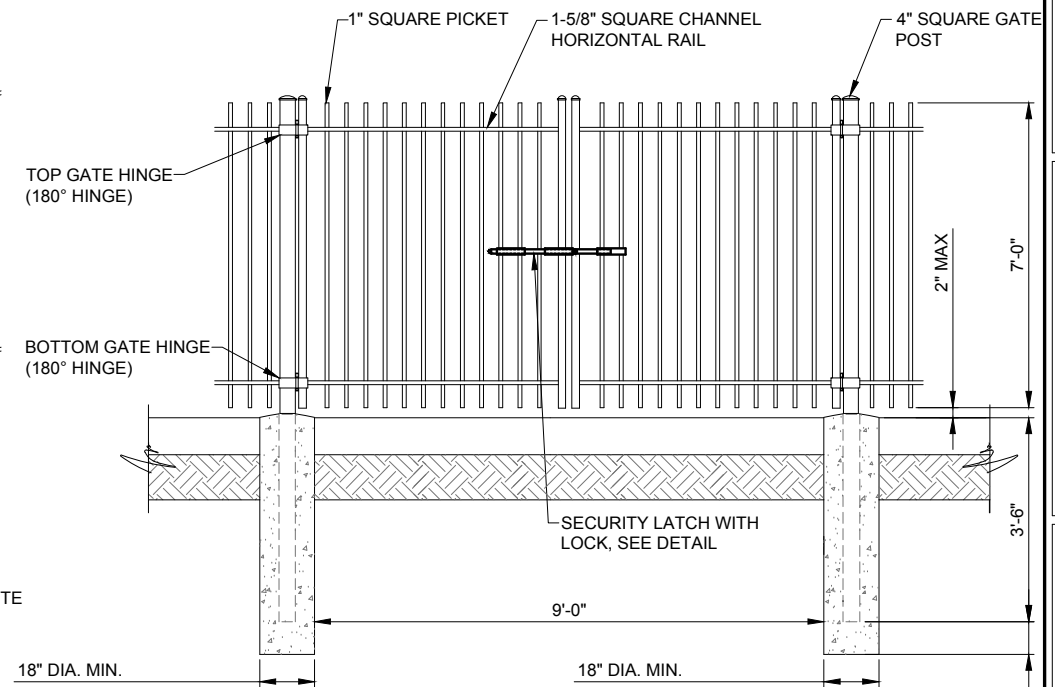
1 DRIVEWAY ENTRANCE DETAIL  
 N.T.S.



1 STEEL POST  
N.T.S.



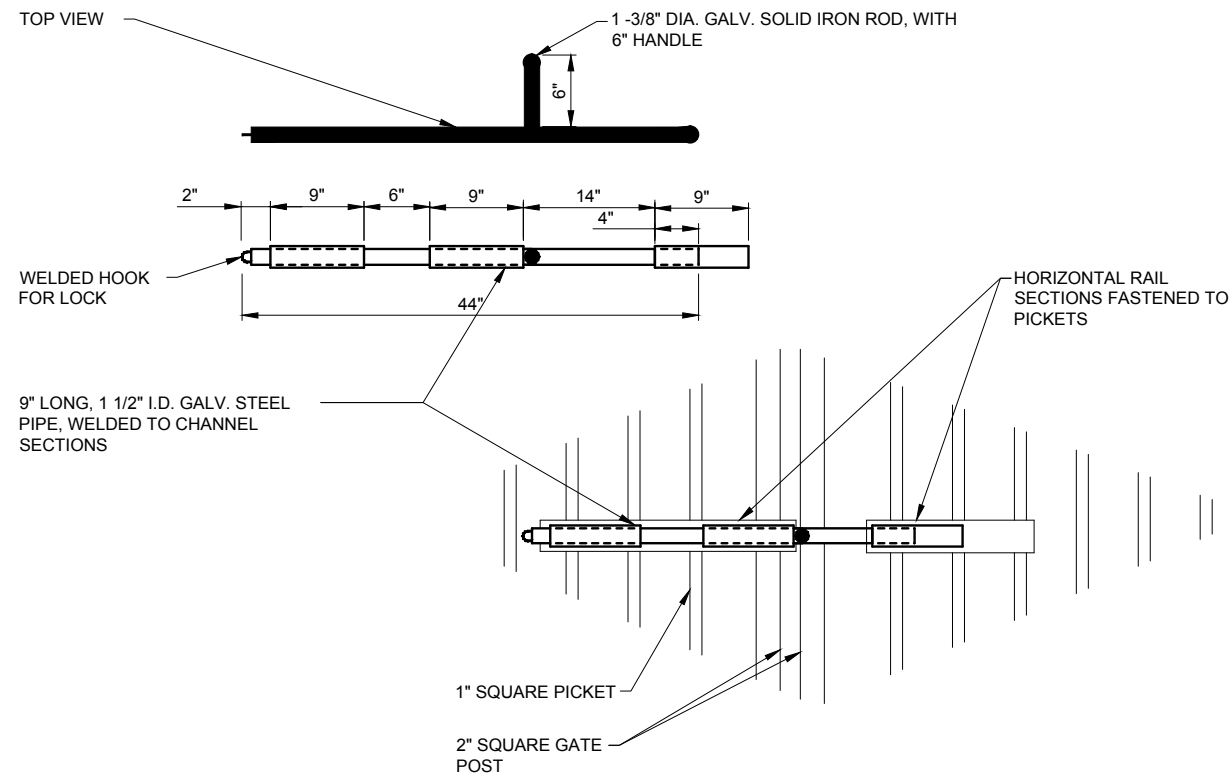
2 CORNER POST  
N.T.S.



3 10'-0" DOUBLE SWING GATE  
N.T.S.

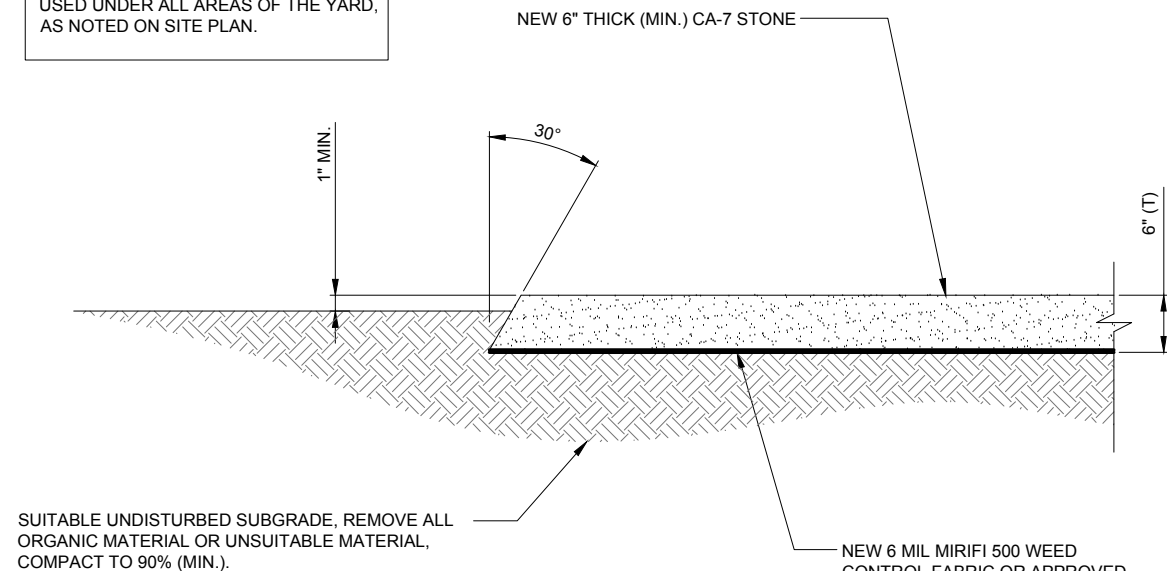
FENCING NOTES:

1. THE FENCE SHALL BE GROUNDED AS SHOWN IN ELECTRICAL DETAILS.
2. ALL FENCING AND RELATED ASSEMBLIES SHALL BE GALVANIZED ZINC FINISH (BARB WIRE-ASTM A585 FABRIC-ASTM A392-84 FRAME WORK-ASTM F669-81).
3. ALL CONCRETE FOOTING SHALL BE 6.1 BAG MIX 2500 PSI CONCRETE.



4 SECURITY LATCH DETAIL  
N.T.S.

NOTE:  
WEED CONTROL FABRIC SHALL BE USED UNDER ALL AREAS OF THE YARD, AS NOTED ON SITE PLAN.



5 YARD PAVEMENT DETAIL  
N.T.S.

**SBA**

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**TERRA**  
CONSTRUCTION GROUP, LTD.

600 Busse Highway  
Park Ridge, IL 60068  
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4.	UPDATE SBA LEASE AREA	03/25/15
5.	UPDATE PER CITY OF PEORIA COMMENTS	04/17/15

SITE IL16128-B

PEORIA 3

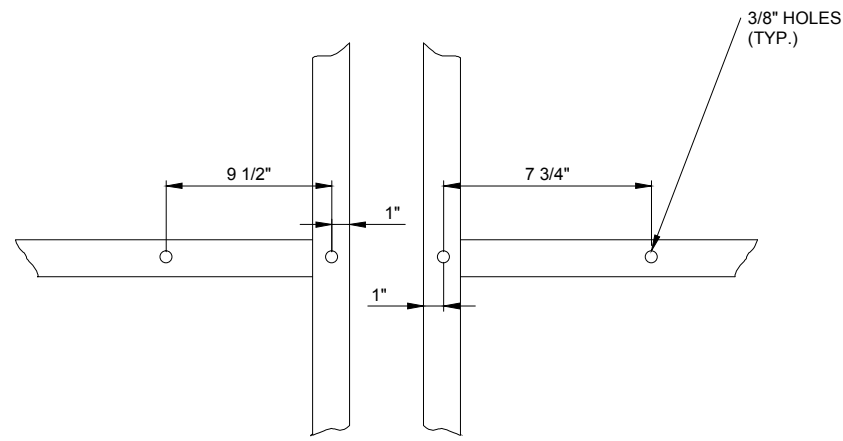
HALE AVE  
PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

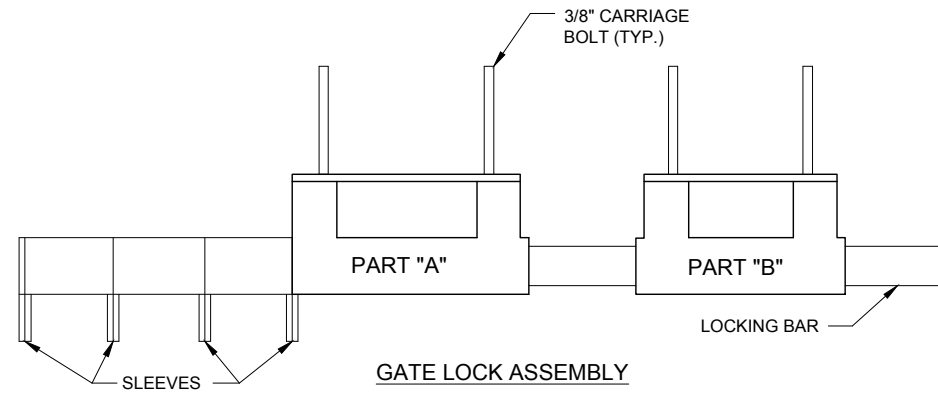
SHEET TITLE  
FENCE DETAILS

SHEET NUMBER  
**C-4**





1 GATE FACE - ACCOMODATING STYMILOCK  
N.T.S.



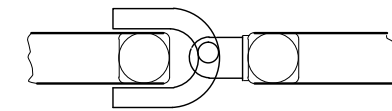
GATE LOCK ASSEMBLY

"STYMILOCK" MULTI LOCKING  
DEVICE OR APPROVED EQUAL

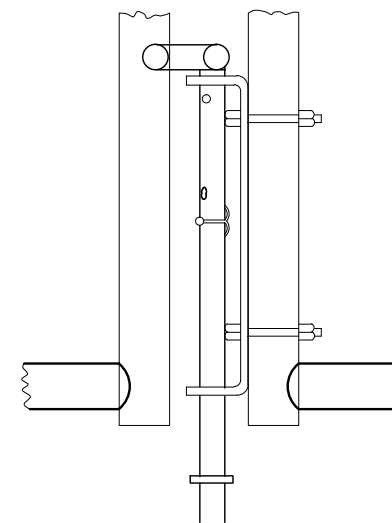
2 GATELOCK ASSEMBLY DETAIL  
N.T.S.

### STYMILOCK INSTALLATION

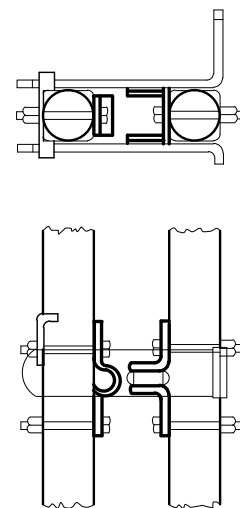
1. DRILL 3/8" HOLES IN THE GATE LEAF USING THE GATE DIMENSIONS PROVIDED.
2. SLIDE THE CARRIAGE BOLTS IN THE SLOTS ON THE BACK OF PART "B" AND PUSH THE BOLTS THROUGH THE HOLES DRILLED IN THE GATE FIGURE. PUT THE NUT AND THE LOCKNUT ON AND TIGHTEN AND CUT THE EXCESS BOLT OFF. DO THE SAME WITH PART "A".
3. ADD THE NUMBER OF SLEEVES NEEDED FOR THE NUMBER OF LOCKS AND SLIDE THE LOCKING BAR INTO PLACE THROUGH BOTH PART "A" AND PART "B". NOW INSTALL THE LOCKS.
4. IF THE GATE HAS NO CENTER BAR IN THE GATE LEAF YOU MAY NEED TO MOUNT THE STYMILOCK VERTICALLY USING THE SAME DIMENSIONS GIVEN ON THE GATE FACE.
5. VERTICAL APPLICATION MAY ALSO BE USED ON SLIDING GATES WITH MULTIPLE LOCKS.



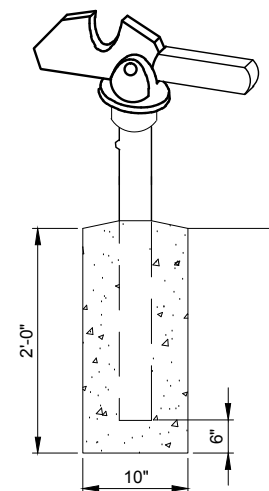
3 MUSHROOM STOP DETAIL  
N.T.S.



4 DROP ROD ASSEMBLY DETAIL  
N.T.S.



5 LATCH ASSEMBLY DETAIL  
N.T.S.



6 GATE KEEPER DETAIL  
N.T.S.



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PEORIA 3

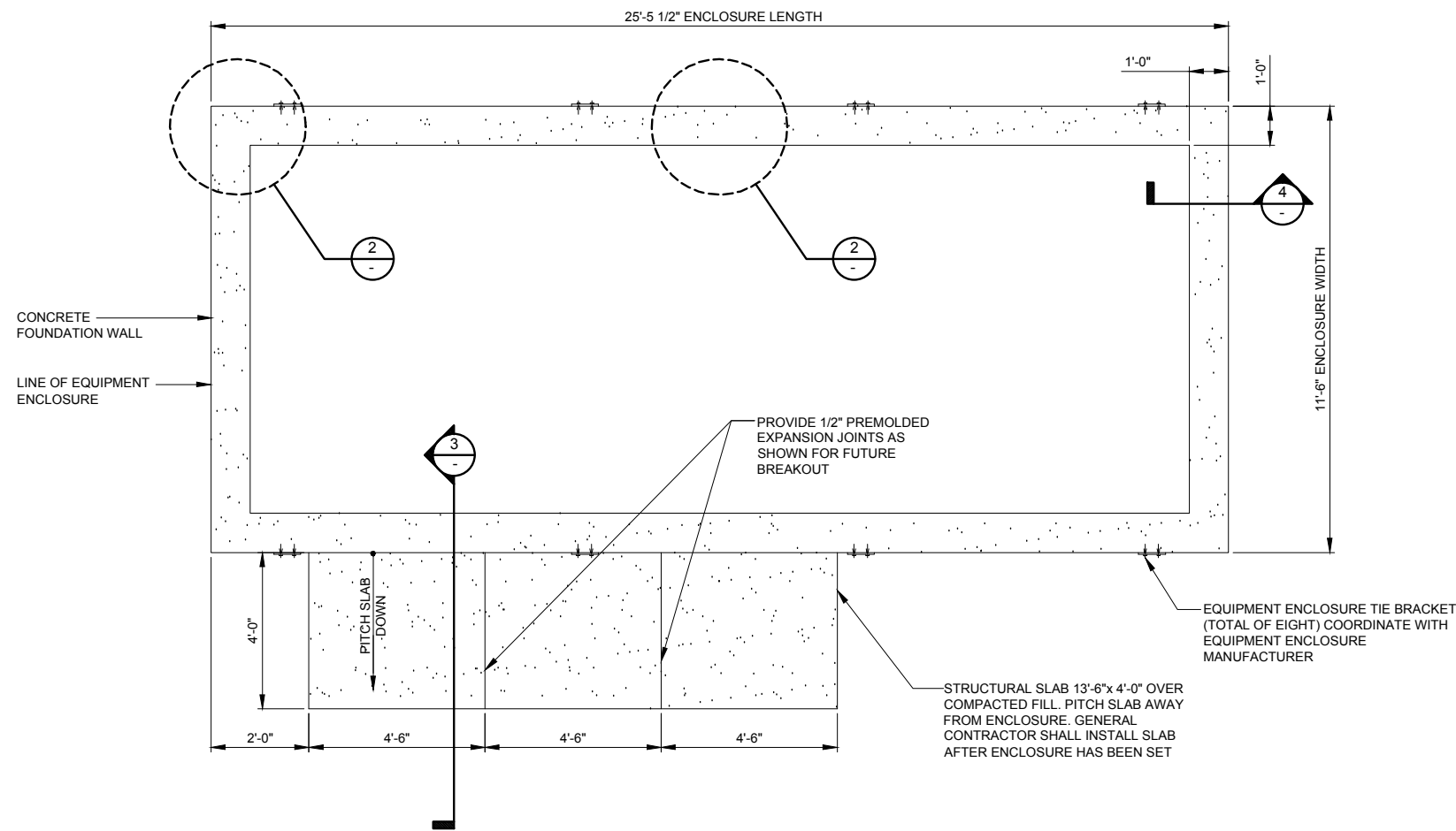
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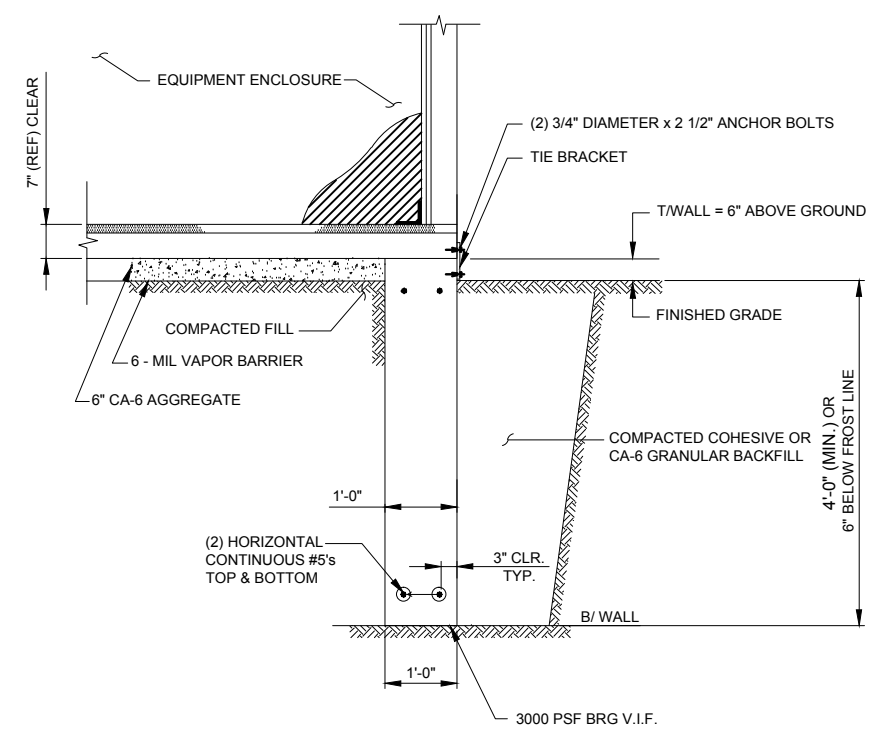
SHEET TITLE  
FENCE DETAILS

SHEET NUMBER

**C-5**

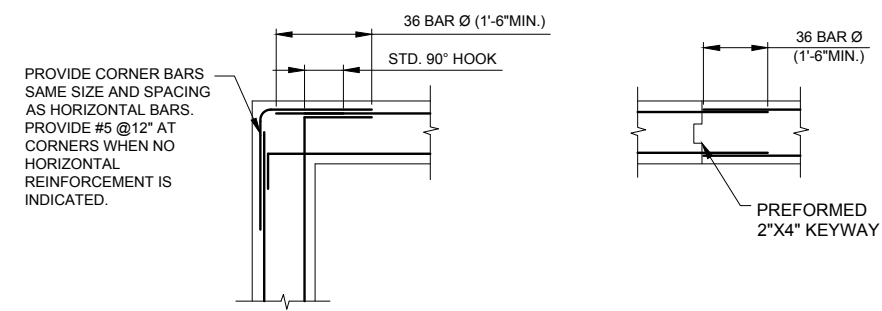


**1 EQUIPMENT ENCLOSURE FOUNDATION PLAN**  
N.T.S.

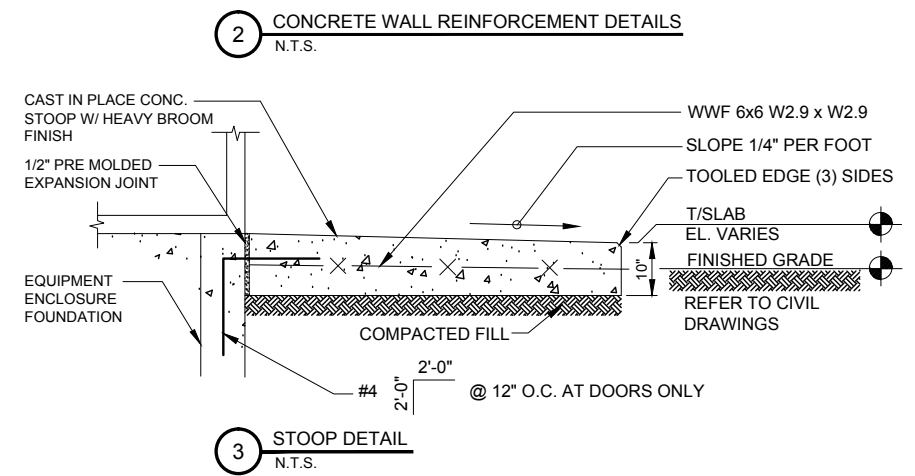


**4 FOUNDATION WALL SECTION**  
N.T.S.

**NOTE:**  
LOCALIZED AREAS OF SOFT OR LOOSE MATERIALS MAY BE ENCOUNTERED AT THE PROPOSED BEARING ELEVATION. THE SOILS MAY REQUIRE COMPACTION USING A PLATE COMPACTOR IN THE FOOTING TRENCH IF FIELD CONDITIONS INDICATE LOOSE GRANULAR SOILS. THE SOILS MAY REQUIRE REMOVAL AND REPLACEMENT WITH AN APPROVED ENGINEERED FILL. FOUNDATION DEPTH AND OVER DIG REQUIREMENTS SHALL BE VERIFIED WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND INCLUDED IN THE BID BEFORE CONSTRUCTION. THE EVALUATION OF THE SUB GRADE AND SELECTION OF FILL MATERIALS SHALL BE MONITORED AND TESTED BY A QUALIFIED REPRESENTATIVE OF THE SOILS ENGINEER.



**CORNER CONSTRUCTION JOINT**



**3 STOOP DETAIL**  
N.T.S.

**A. EQUIPMENT ENCLOSURE FOUNDATION**

- REFER TO CIVIL DRAWINGS FOR ORIENTATION OF THE FOUNDATIONS.
- EQUIPMENT ENCLOSURE FOUNDATION IS DESIGNED FOR THE FOLLOWING LOADS:  
ENCLOSURE DEAD LOAD: 70,000 LBS.  
ROOF LIVE LOAD: 30 PSF  
FLOOR LIVE LOAD: 125 PSF
- THE CONTRACTOR SHALL NOTIFY THE CLIENT'S GEOTECHNICAL ENGINEER TO COORDINATE HAVING A FIELD REPRESENTATIVE ON SITE FOR TESTING AND INSPECTION.
- FOOTINGS SHALL BEAR ON VIRGIN SOIL OR COMPACTED FILL MATERIAL CAPABLE OF SUPPORTING A MINIMUM SOIL BEARING PRESSURE OF 3000 PSF.
- SUBGRADE PREPARATION:  
A. REMOVE ALL SOILS CONTAINING TOPSOIL, ORGANIC MATERIALS, AND/OR FILL MATERIALS FROM WITHIN AREA OF ENCLOSURE FOUNDATION.  
B. PROOF ROLL RESULTING SUBGRADE WITH A HEAVILY LOADED SINGLE AXLE ROLLER OR SIMILAR VEHICLE. (20 TON LOAD). CONTRACTOR SHALL UNDERCUT AND REPLACE WITH ENGINEERED FILL. ALL LOOSE SOFT OR UNSTABLE AREAS REVEALED DURING PROOFROLLING AS DIRECTED BY THE TESTING AGENCY. CONTRACTOR SHALL INCLUDE ANTICIPATED UNDERCUT AND REPLACEMENT AS INDICATED IN THE GEOTECHNICAL REPORT AS PART OF THE BID.  
C. BACKFILL AND COMPACT THE AREA WITHIN THE BUILDING FOUNDATION. BETWEEN RESULTANT SUBGRADE AND FOUNDATION WALL WITH APPROVED GRANULAR MATERIAL.
- FOUNDATION WALLS SHALL BE BACKFILLED EVENLY ON EACH SIDE OF THE WALL OR WALLS SHALL BE ADEQUATELY BRACED BY THE CONTRACTOR UNTIL FLOOR SLAB HAS BEEN PLACED AND CURED FOR 72 HOURS MINIMUM.
- ENCLOSURE SHALL NOT BE SET UNTIL FLOOR SLAB HAS BEEN CURED FOR 72 HOURS MINIMUM.
- CONTRACTOR TO ENSURE FOUNDATION / SLAB ARE POURED TO MEET FLATNESS LEVEL TOLERANCES AS INDICATED IN ACI 4.5.6 AND 4.5.7.

**B. EQUIPMENT ENCLOSURE**

THE EQUIPMENT ENCLOSURE IS A PRE-FABRICATED BUILDING MANUFACTURED BY FIBREBOND, MINDEN, LOUISIANA.  
THE EQUIPMENT ENCLOSURE BUILDING SHALL BE FURNISHED AND INSTALLED BY THE OWNER UNDER SEPARATE CONTRACT PER THE OWNER AND MANUFACTURER SPECIFICATIONS.

**C. CONCRETE NOTES**

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND ACI 301, LATEST EDITION. THESE DOCUMENTS SHALL BE AVAILABLE IN THE FIELD OFFICE.
- EXCEPT WHERE OTHERWISE INDICATED, CONCRETE SHALL BE NORMAL WEIGHT AND WITH MINIMUM 28-DAY COMPRESSIVE STRENGTHS OF  $F'_c=4000$  PSI. ALL EXTERIOR EXPOSED CONCRETE SHALL BE AIR ENTRAINED.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

**SBA**

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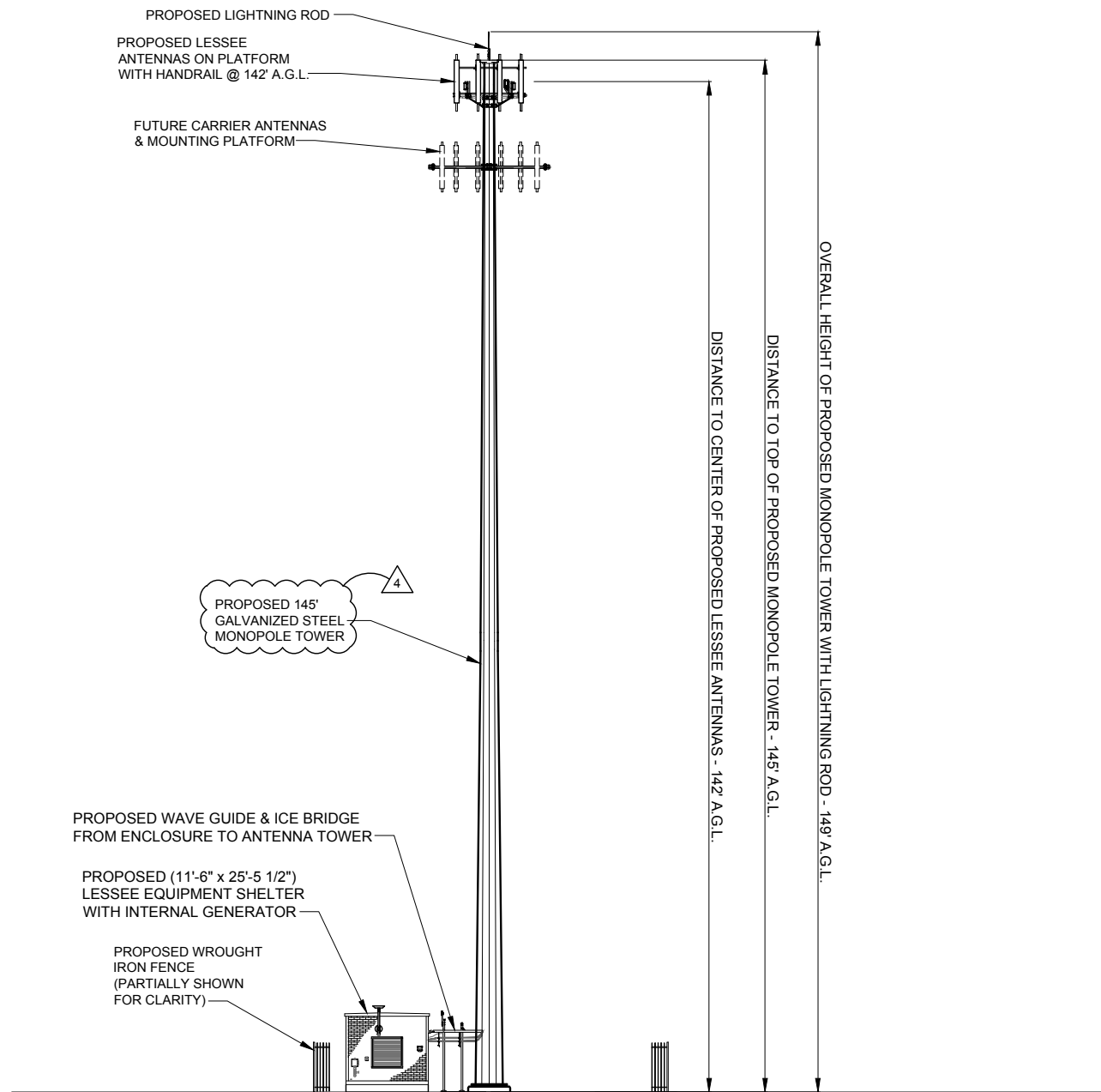
**SITE IL16128-B**  
**PEORIA 3**

HALE AVE  
PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
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SHEET TITLE  
**EQUIPMENT ENCLOSURE FOUNDATION PLAN**

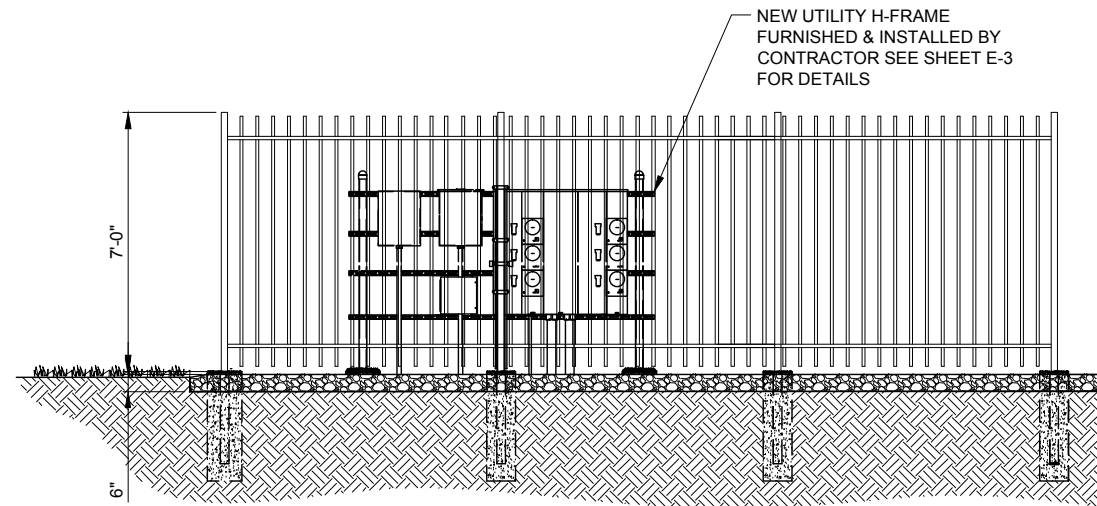
SHEET NUMBER  
**C-6**



**1** WEST ELEVATION  
SCALE: 3/32" = 1'-0"



SCALE: 3/32" = 1'-0"  
24" x 36" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.



**2** ELEVATION VIEW @ UTILITY H-FRAME  
N.T.S.



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SHEET TITLE  
ANTENNA  
ELEVATION

SHEET NUMBER

**ANT-1**

**EQUIPMENT CHANGE REQUEST FORM- ECR**

Cell Name	North Point Plaza	RF Engineer	Matthew From	Cell ID	51
Location Number	279503	Market	Springfield	Address	8627 N Hale
Date of Request	4/17/2015			City/State/Zip	Peoria, IL, 61615

**PROPOSED CONFIGURATION**

Sector	Pos	Antenna		Antenna Manufacturer	Antenna Model	Antenna Serial Number	Centerline	Azimuth	Variable Tilt	Mechanical Tilt	Action	
		Port	RFPath									
Alpha	A1	L1 (-45)	LTE 850 - RxTx0	AMPHENOL	CWWX085X25X00		142	0	4	0	Add-Install	
		L2 (+45)	LTE 850 - RxTx1									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	A2	L1 (-45)	Unused at this time									
		L2 (+45)	Unused at this time									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	A3	L1 (-45)	LTE C - RxTx0	AMPHENOL	CWWX063X25X00		142	0	4	0	Add-Install	
		L2 (+45)	LTE C - RxTx1									
		H1 (-45)	AWS - Rx2									
		H2 (+45)	AWS - Rx3									
A4	L1 (-45)	LTE C - Rx2	AMPHENOL	CWWX063X25X00		142	0	4	0	Add-Install		
	L2 (+45)	LTE C - Rx3										
	H1 (-45)	AWS - RxTx0										
	H2 (+45)	AWS - RxTx1										
Beta	B1	L1 (-45)	LTE 850 - RxTx0	AMPHENOL	CWWX085X25X00		142	120	3	0	Add-Install	
		L2 (+45)	LTE 850 - RxTx1									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	B2	L1 (-45)	Unused at this time									
		L2 (+45)	Unused at this time									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	B3	L1 (-45)	LTE C - RxTx0	AMPHENOL	CWWX063X25X00		142	120	3	1	0	Add-Install
		L2 (+45)	LTE C - RxTx1									
		H1 (-45)	AWS - Rx2									
		H2 (+45)	AWS - Rx3									
B4	L1 (-45)	LTE C - Rx2	AMPHENOL	CWWX063X25X00		142	120	3	1	0	Add-Install	
	L2 (+45)	LTE C - Rx3										
	H1 (-45)	AWS - RxTx0										
	H2 (+45)	AWS - RxTx1										
Gamma	G1	L1 (-45)	LTE 850 - RxTx0	AMPHENOL	CWWX085X25X00		142	240	6	0	Add-Install	
		L2 (+45)	LTE 850 - RxTx1									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	G2	L1 (-45)	Unused at this time									
		L2 (+45)	Unused at this time									
		H1 (-45)	Unused at this time									
		H2 (+45)	Unused at this time									
	G3	L1 (-45)	LTE C - RxTx0	AMPHENOL	CWWX063X25X00		142	240	6	1	0	Add-Install
		L2 (+45)	LTE C - RxTx1									
		H1 (-45)	AWS - Rx2									
		H2 (+45)	AWS - Rx3									
G4	L1 (-45)	LTE C - Rx2	AMPHENOL	CWWX063X25X00		142	240	6	1	0	Add-Install	
	L2 (+45)	LTE C - Rx3										
	H1 (-45)	AWS - RxTx0										
	H2 (+45)	AWS - RxTx1										

**Comments**

PPC CONNECTORS ONLY

**1** PROPOSED ANTENNA CONFIGURATION  
N.T.S.

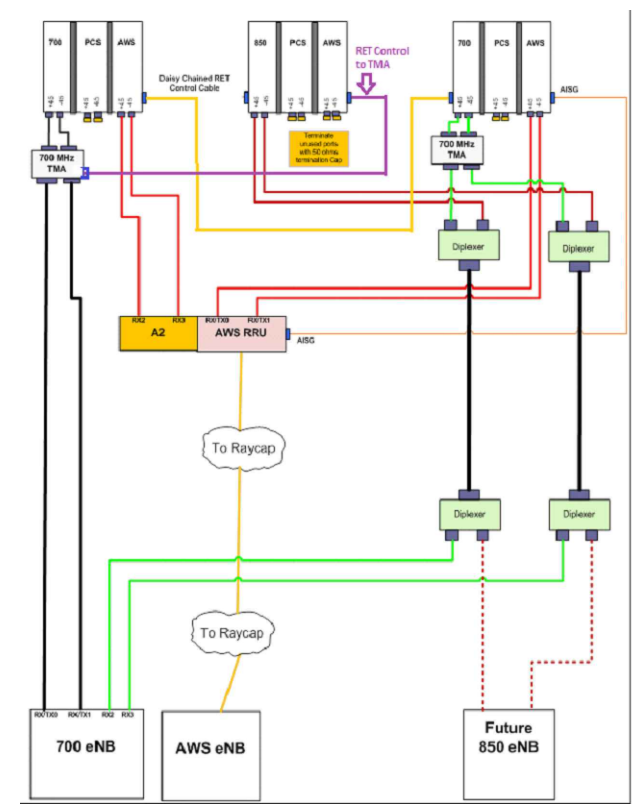
ESTIMATED MAIN LINE HYBRID LENGTH			
ANTENNA CENTERLINE (±)	ICE BRIDGE LENGTH (±)	SHELTER (±)	TOTAL (±)
142'	6'	15'	163'

Proposed					
Location	Manufacturer	Component Model	Count	Action	
Top (Platform)	Andrew	CBC78-DF-8-DCB (Diplexer)	6	Install	
Top (Platform)	Westell	AWC-TTMA-700C-VG	6	Install	
Top (Platform)	Ericsson	RRUS 12 - AWS	3	Install	
Top (Platform)	Ericsson	A2	3	Install	
Top (Platform)					
Top (Platform)					
Top (Platform)					
Top (Platform)					
Top (Platform)					
Bottom (Shelter)	Andrew	CBC78-DF-8-DCB (Diplexer)	6	Install	
Bottom (Shelter)	Raycap	RCMDC-3315-PF-48	1	Install	
Bottom (Shelter)					

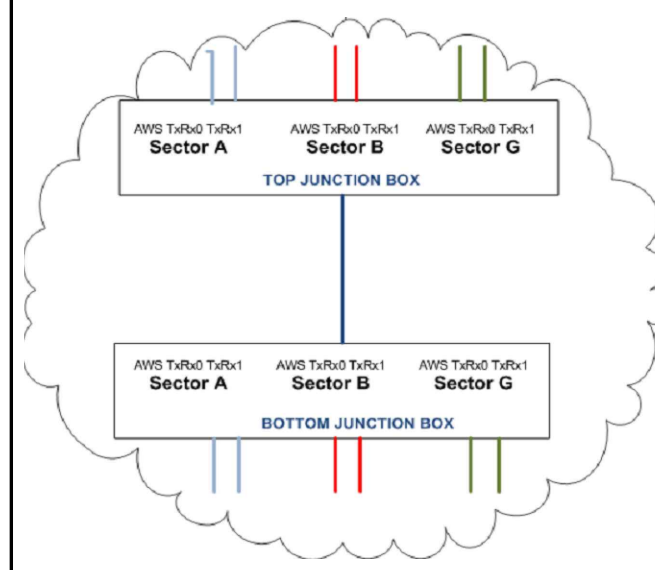
  

Sector	Coax Manufacturer	Type	Size	Count	Action
Alpha	ANDREW	LDF7-50A	15/8	4	Install
Beta	ANDREW	LDF7-50A	15/8	4	Install
Gamma	ANDREW	LDF7-50A	15/8	4	Install
AWS	Andrew	HFT1206-24S26-XXX		1	Install

**2** COMBINER CABLE DATA INFORMATION  
N.T.S.



**3** CABLE DIAGRAM  
N.T.S.



**4** CABLE DIAGRAM @ JUNCTION BOX  
N.T.S.



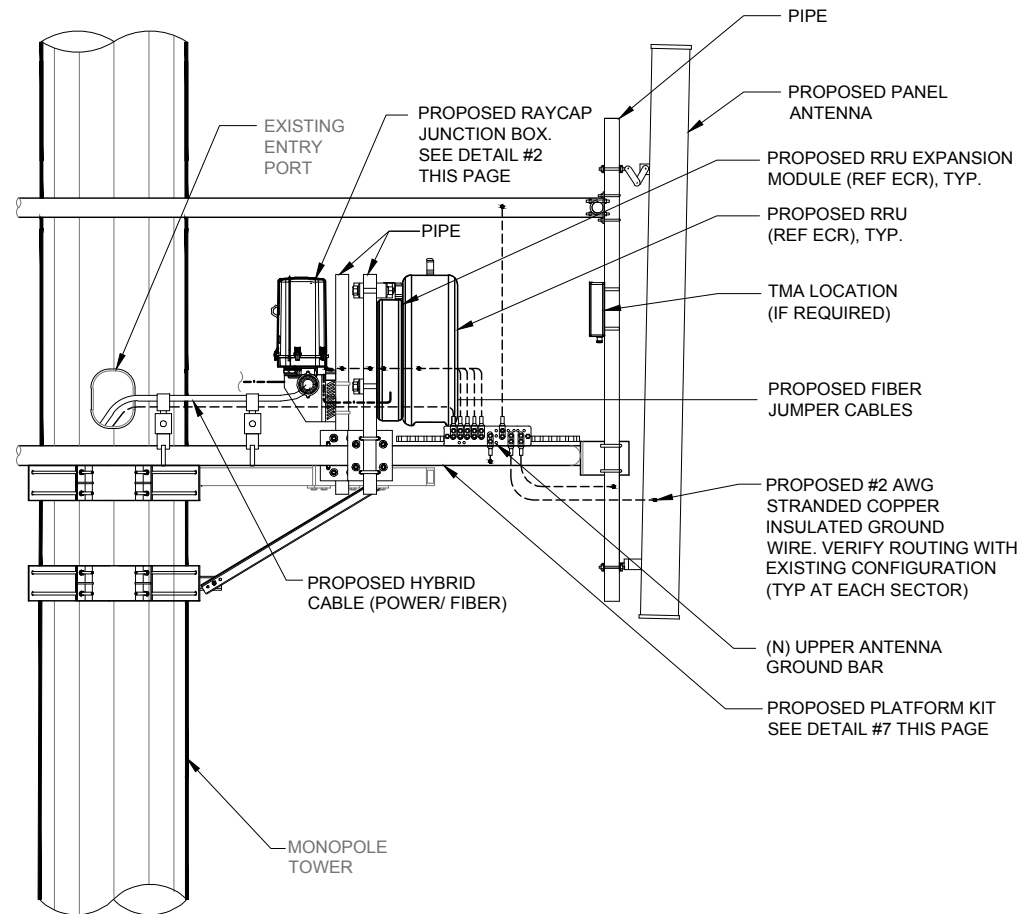
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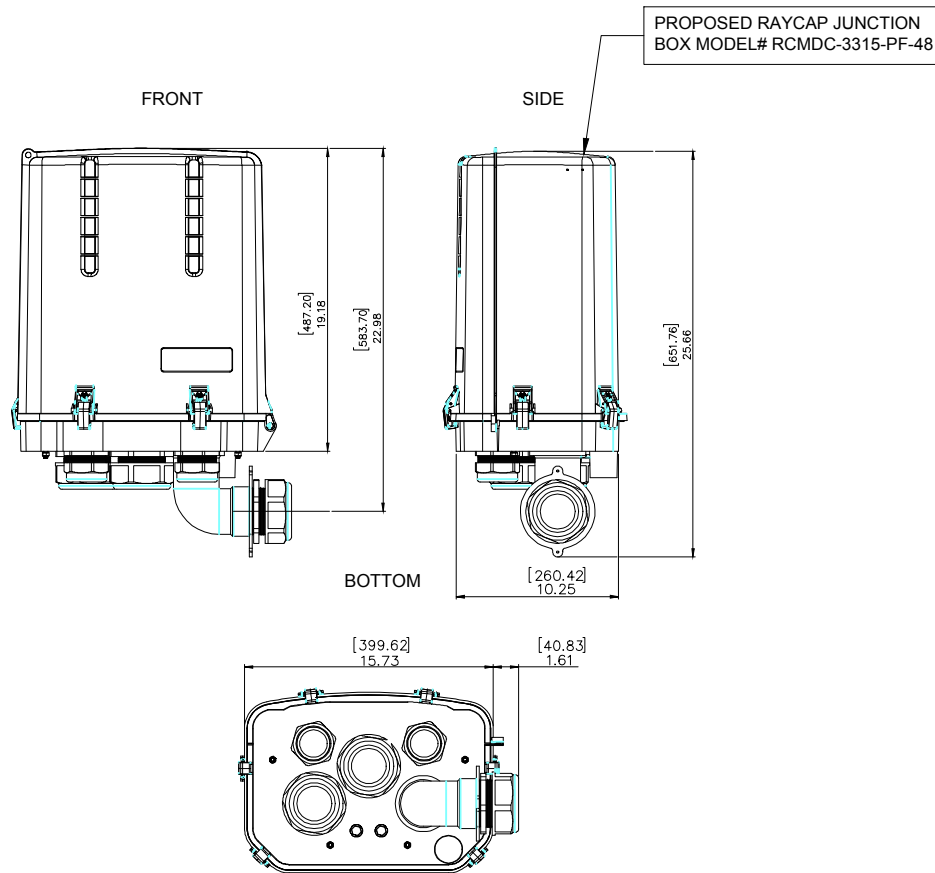
SHEET TITLE  
**ANTENNA INFORMATION**

SHEET NUMBER  
**ANT-2**

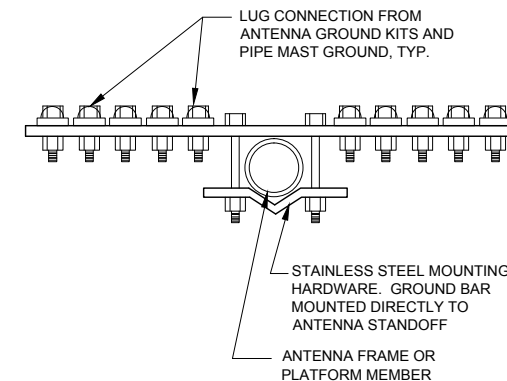


1 ANTENNA, RRU & RAYCAP JUNCTION BOX MOUNTING DETAIL  
SCALE: N.T.S.

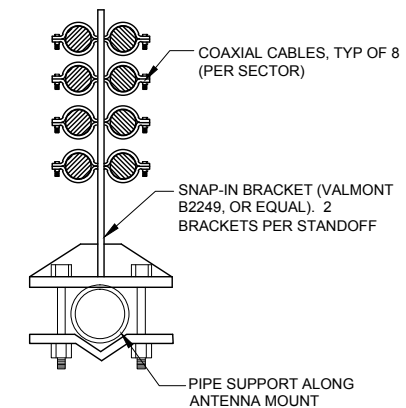
SPECIFICATIONS DC SURGE PROTECTION FOR RRU/INTEGRATED ANTENNA RADIO HEAD [mm]  
 APPLICATION: TOWER / BASE / ROOFTOP / ROOFTOP DISTRIBUTION MODELS INCHES  
 WEIGHT: 32LBS (14.51 KG)



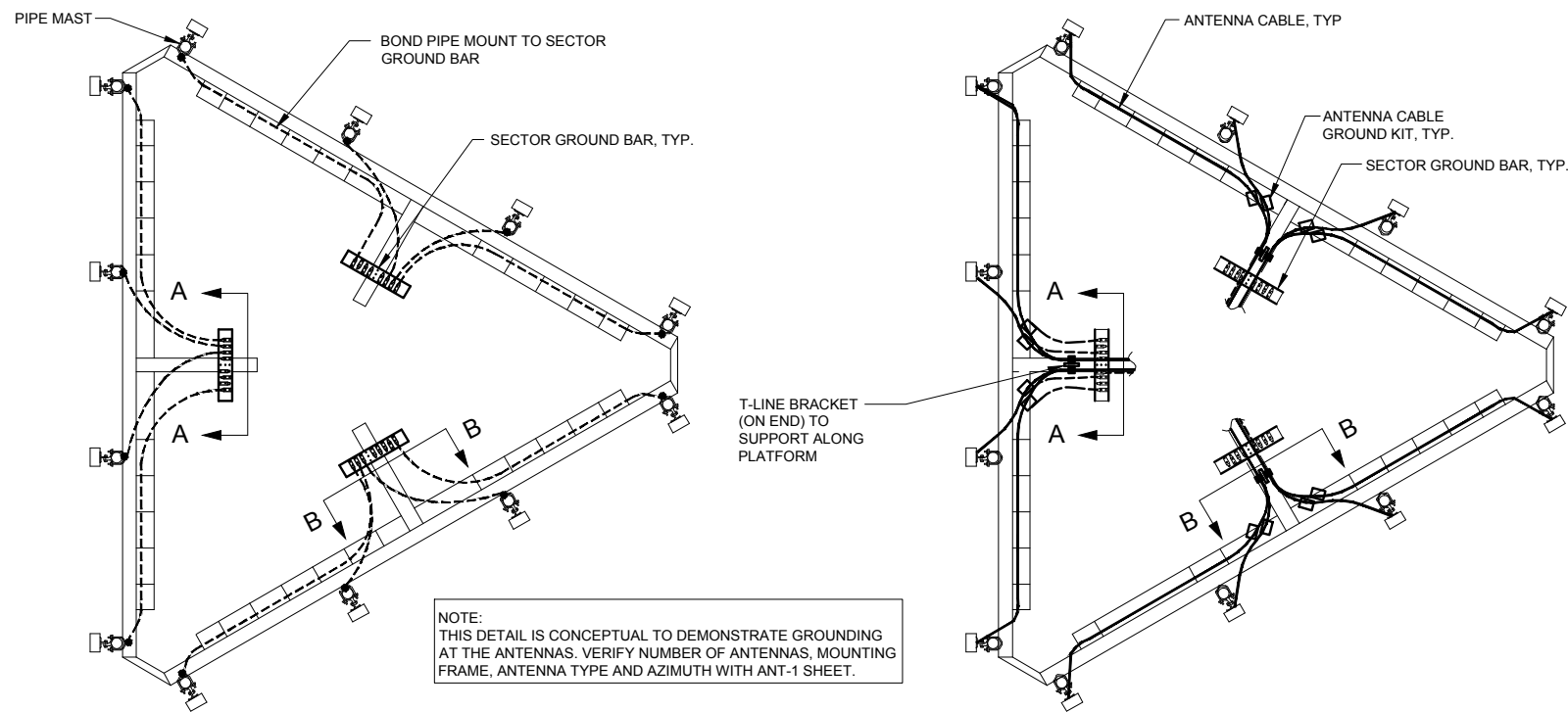
2 RAYCAP JUNCTION BOX DETAIL  
SCALE: N.T.S.



SECTION A-A  
 3 GROUND BAR AT SECTOR  
 N.T.S.



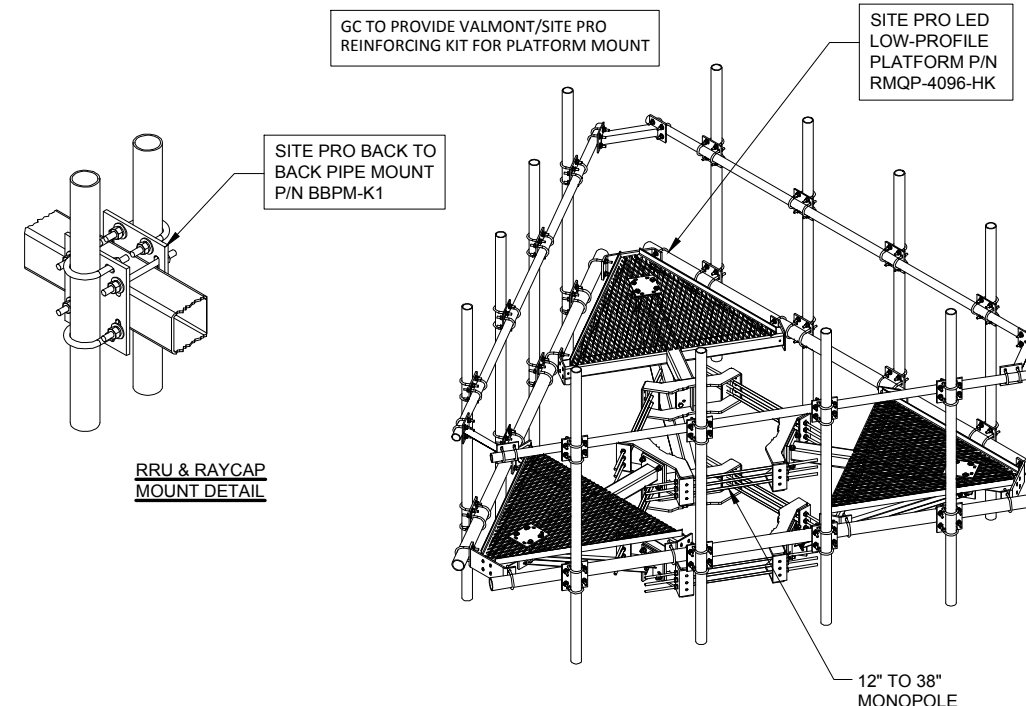
SECTION B-B  
 4 SNAP-IN BRACKET AT ANTENNA MOUNT  
 N.T.S.



NOTE:  
 THIS DETAIL IS CONCEPTUAL TO DEMONSTRATE GROUNDING AT THE ANTENNAS. VERIFY NUMBER OF ANTENNAS, MOUNTING FRAME, ANTENNA TYPE AND AZIMUTH WITH ANT-1 SHEET.

5 PIPE MAST GROUNDING AT ANTENNA ELEVATION  
 N.T.S.

6 ANTENNA CABLE GROUNDING AT ANTENNA ELEVATION  
 N.T.S.



7 LED LO-PROFILE PLATFORM DETAIL  
 SCALE: N.T.S.



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PEORIA 3

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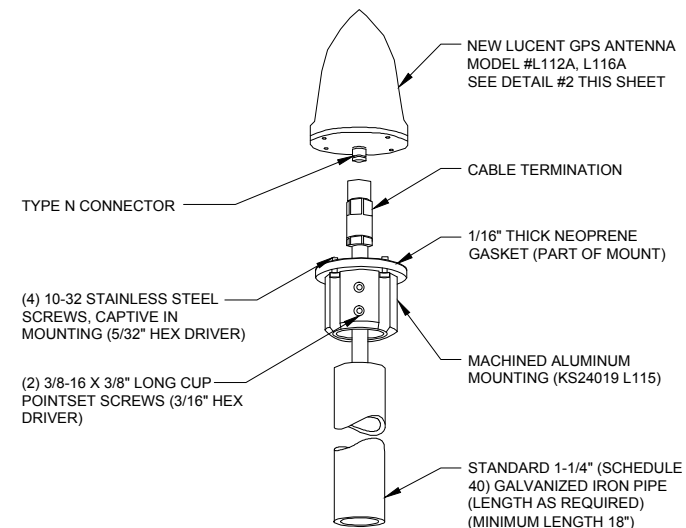
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SHEET TITLE  
 ANTENNA  
 MOUNTING  
 DETAILS

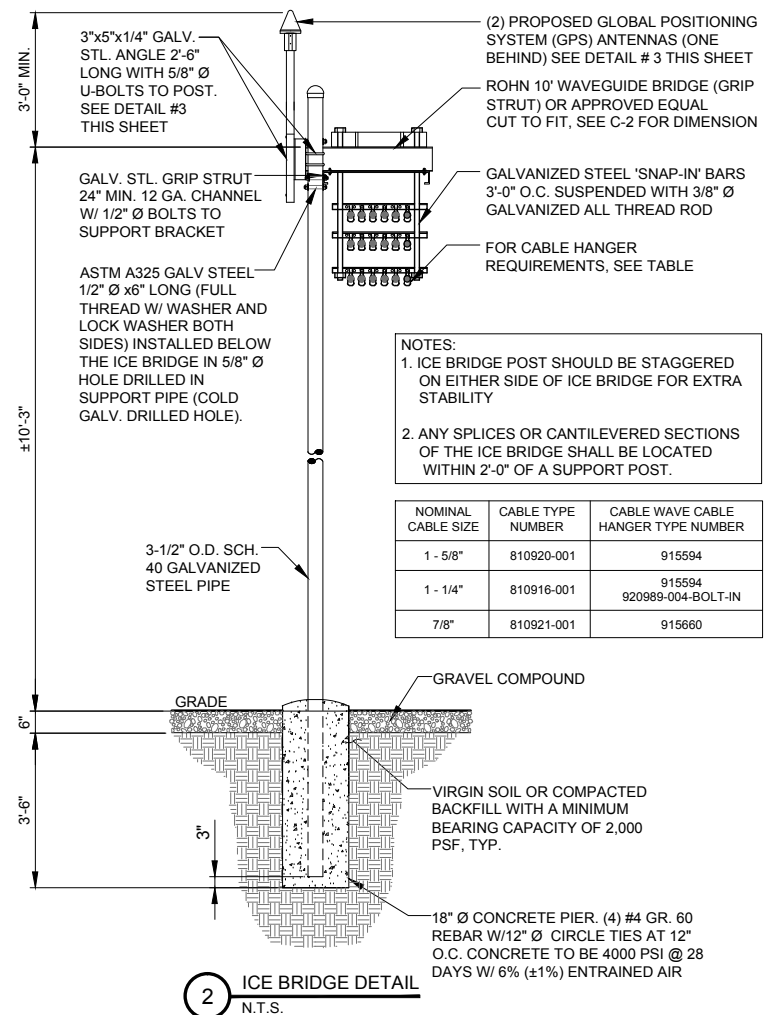
SHEET NUMBER

ANT-3

NOTE:  
INSTALL EACH GPS ON THE  
CLOSEST ICE BRIDGE POSTS TO  
SHELTER (TYP. AT 2 LOCATIONS).



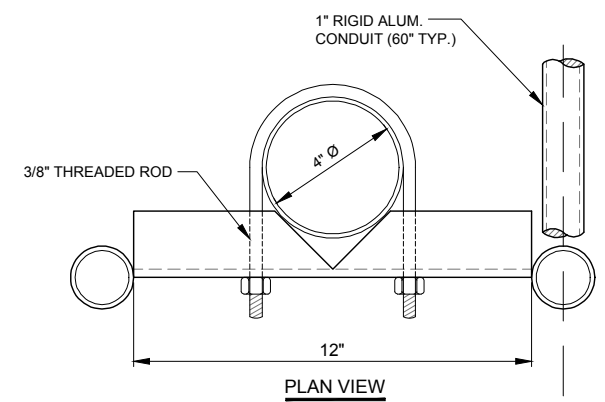
1 TYPICAL GPS DETAIL  
N.T.S.



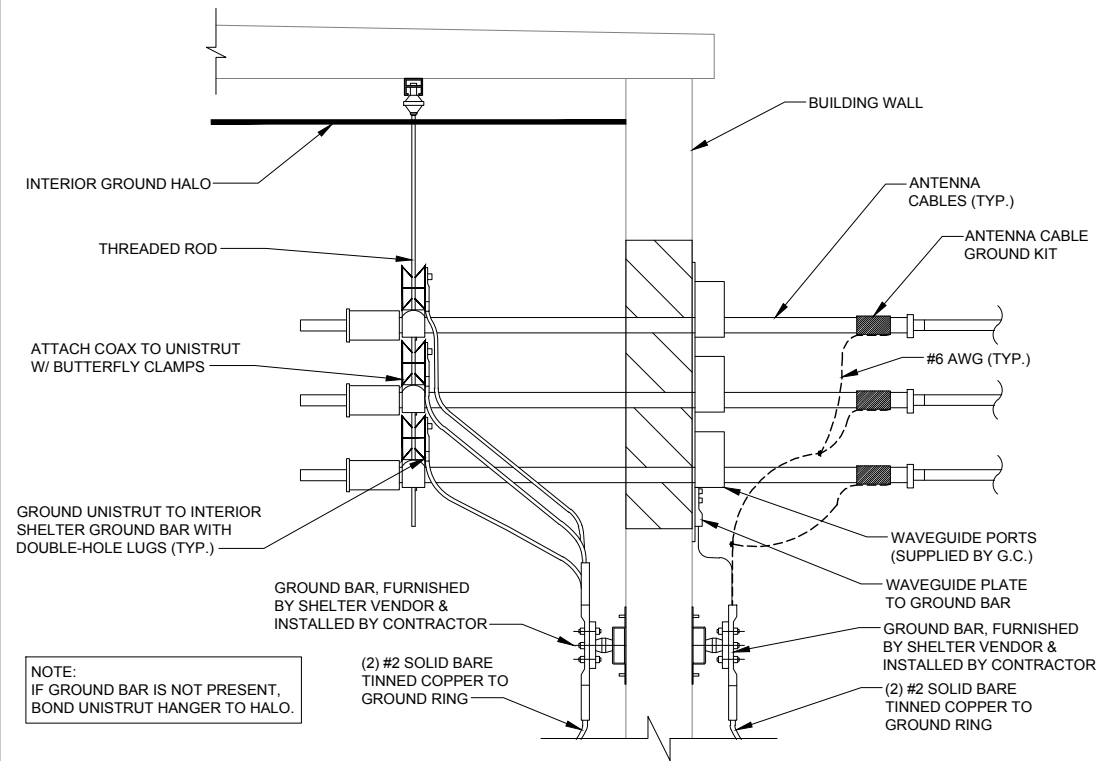
NOTES:  
1. ICE BRIDGE POST SHOULD BE STAGGERED  
ON EITHER SIDE OF ICE BRIDGE FOR EXTRA  
STABILITY  
2. ANY SPLICES OR CANTILEVERED SECTIONS  
OF THE ICE BRIDGE SHALL BE LOCATED  
WITHIN 2'-0\"/>

NOMINAL CABLE SIZE	CABLE TYPE NUMBER	CABLE WAVE CABLE HANGER TYPE NUMBER
1 - 5/8"	810920-001	915594
1 - 1/4"	810916-001	915594 920989-004-BOLT-IN
7/8"	810921-001	915660

2 ICE BRIDGE DETAIL  
N.T.S.



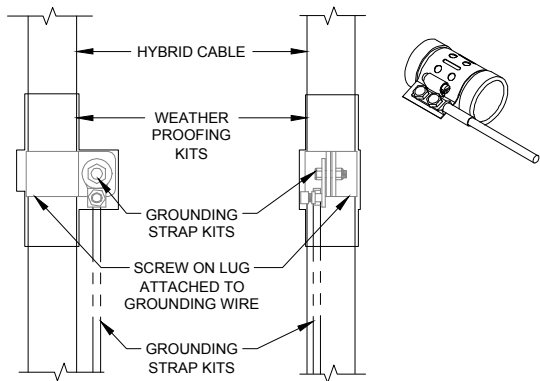
PLAN VIEW



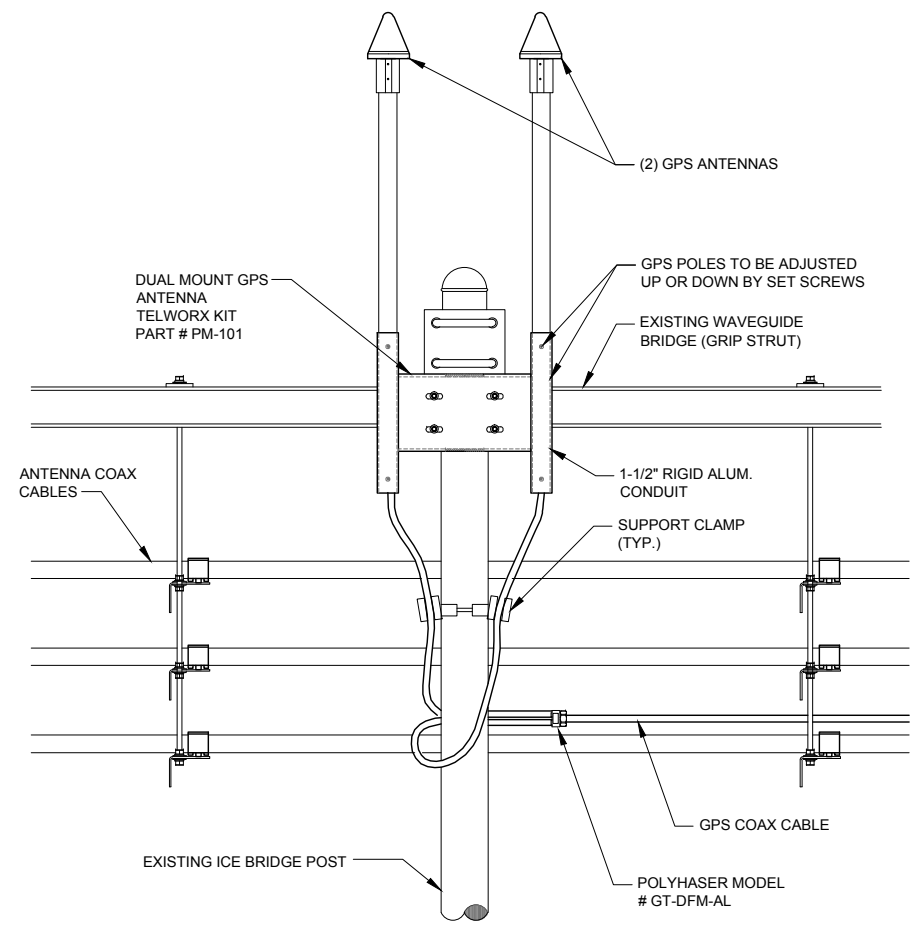
NOTE:  
IF GROUND BAR IS NOT PRESENT,  
BOND UNISTRUT HANGER TO HALO.

4 ENCLOSURE ENTRY PANEL GROUNDING DETAIL  
N.T.S.

NOTES:  
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND  
AND ALWAYS DIRECT GROUND WIRE DOWN TO  
GROUND BAR.  
2. THIS DETAIL IS TYPICAL FOR EACH COAX CABLE  
WHERE IT IS SPECIFIED TO BE GROUNDED  
3. CABLE TO BE GROUNDED AT ANTENNA LEVEL  
AND PRIOR TO ENTERING SHELTER ENTRY PANEL.  
4. CABLE ALSO TO BE GROUNDED TO GROUND BAR  
AT TOWER BASE IF APPLICABLE.  
5. USE ONLY TIN PLATED GROUNDING KITS.



5 COAX/ HYBRID GROUND KIT DETAIL  
N.T.S.



3 GPS MOUNTING DETAIL  
N.T.S.

**SBA**  
SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
PHONE: 1-800-487-7483

**TERRA**  
600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

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5.	UPDATE PER CITY OF PEORIA COMMENTS	04/17/15

SITE IL16128-B

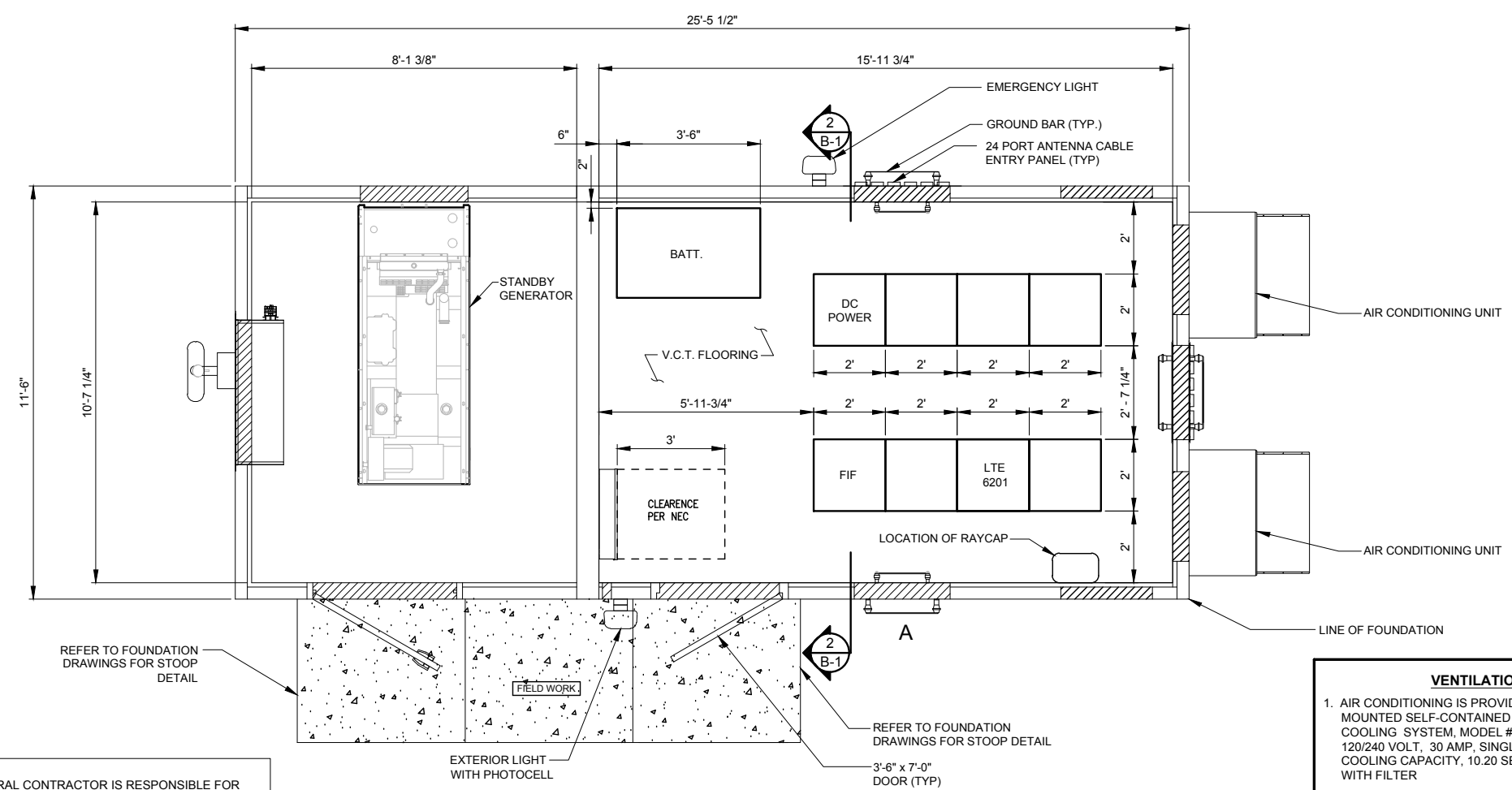
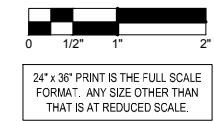
PEORIA 3

HALE AVE  
PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE  
**ANTENNA MOUNTING DETAILS**

SHEET NUMBER  
**ANT-4**

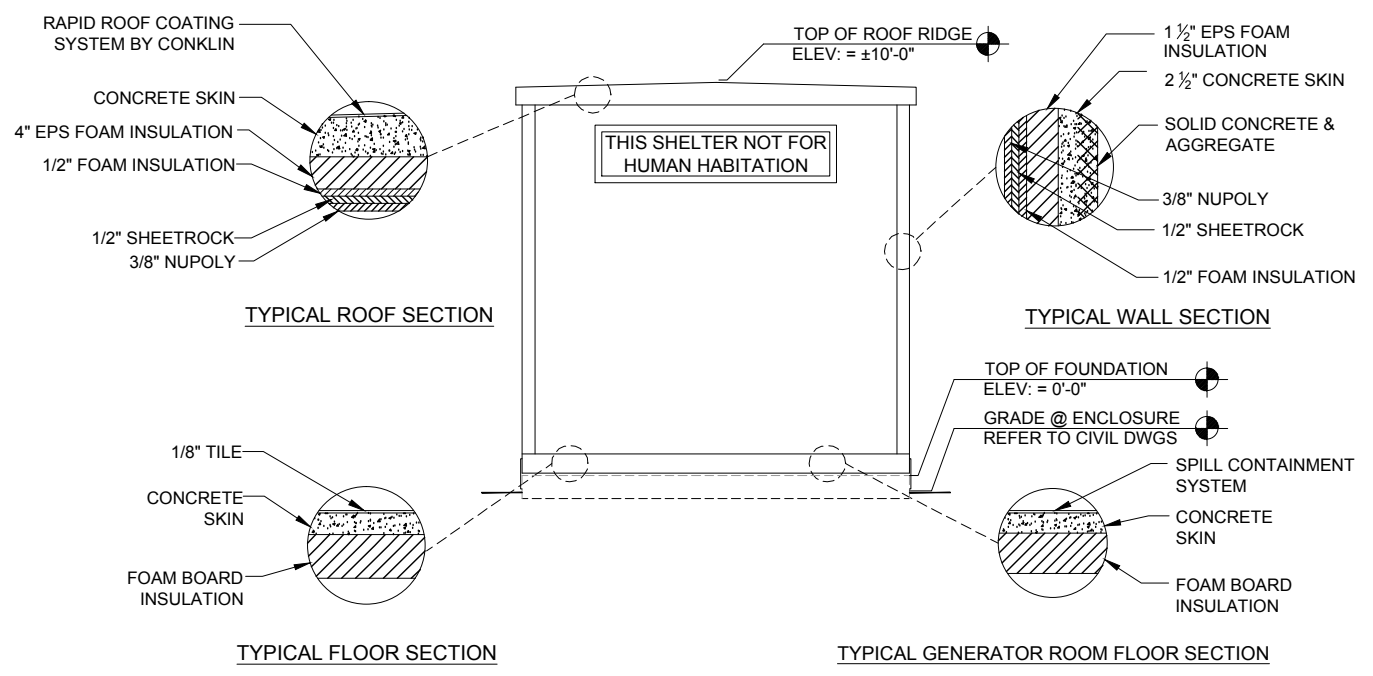


NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EXTERIOR ATTACHMENTS FOR GENERATOR (HOODS, MUFFLER, VENT, FILL, ETC.)

**VENTILATION NOTES:**

- AIR CONDITIONING IS PROVIDED BY A BARD WALL MOUNTED SELF-CONTAINED ENERGY EFFICIENT COOLING SYSTEM, MODEL # WA602-A05EX2X1.5 TON, 120/240 VOLT, 30 AMP, SINGLE PHASE, 57,500 BTUH COOLING CAPACITY, 10.20 SEER, 24" DIA. FAN, 2600 CFM WITH FILTER
- ELECTRIC HEAT IS PROVIDED BY 5 KW, 18,840 BTUH, 240 VOLT, SINGLE PHASE HEAT STRIP, WITHIN BARD UNIT LISTED ABOVE.

**1 FLOOR PLAN-EQUIPMENT ENCLOSURE**  
SCALE: 1/2" = 1'-0"



**2 TRANSVERSE SECTION**  
N.T.S.

ROOM PURPOSE	AREA	VENTILATION				REMARKS
		NATURAL		MECHANICAL		
		ACTUAL	REQUIRED	ACTUAL	REQUIRED	
WIRELESS TELEPHONE EQUIPMENT ENCLOSURE (NON-INHABITED)	292.8 S.F.	0 CFM	0 CFM	2600 CFM	0 CFM	SEE NOTE 1.

**NOTES:**

- EQUIPMENT ENCLOSURE IS PRE MANUFACTURED. THIS SHEET IS PROVIDED AS GUIDE ONLY. REFER TO ACTUAL DRAWINGS BY SHELTER MANUFACTURE FOR FULL BUILDING PLANS.
- EPS BOARD INSULATION IS LISTED TO HAVE A FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED OF 450 OR LESS WITH A MAXIMUM THICKNESS OF 2 INCHES AT 1 PCF DENSITY. POLYISOCYANURATE FOAM INSULATION HAS BEEN TESTED TO A MAXIMUM THICKNESS OF 3 INCHES AT 1.9 PCF AND HAS A FLAME SPREAD OF 25 AND A SMOKE PRODUCT OF 395.
- INTERIOR PANELING IS LISTED TO HAVE A FLAMESPREAD OF 200 OR LESS.
- THIS ENCLOSURE IS CLASSIFIED AS USE GROUP B, TYPE 5B CONSTRUCTION; PER 1999 BOCA AND IS IN COMPLIANCE WITH 1999 BOCA BUILDING CODE, 1996 INTERNATIONAL MECHANICAL CODE, 2002 NEC AND ILLINOIS ASHRAE 90.1.
- DESIGN CRITERIA  
WIND LOAD = 125 MPH FLOOR DEAD LOAD = 35 PSF  
ROOF LIVE LOAD = 100 PSF WALL DEAD LOAD = 35 PSF  
FLOOR LIVE LOAD = 135 PSF SNOW LOAD = 80 PSF  
ROOF DEAD LOAD = 45 PSF SEISMIC EXPOSURE GROUP = III
- $F_c = 5000$  PSI @ 28 DAYS (EQUIPMENT ENCLOSURE)
- ENCLOSURE AND ASSOCIATED EQUIPMENT IS PROVIDED BY OWNER UNDER SEPARATE CONTRACT. EQUIPMENT ENCLOSURE INFORMATION INDICATED HEREIN IS PROVIDED FOR REFERENCE ONLY AND IS TAKEN FROM MANUFACTURER'S AVAILABLE DATA. REFER TO CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR WORK TO BE PERFORMED UNDER THIS CONTRACT.
- PRIOR TO PROJECT CLOSE OUT AND SHELTER INSTALLATION, THE GENERAL CONTRACTOR IS TO CLEAN THE SHELTER FLOOR AND APPLY A STATIC-FREE WAX TO THE FLOORS.

**SBA**

SBA TOWERS VI, LLC  
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BOCA RATON, FL 33487  
PHONE: 1-800-487-7483

**TERRA**  
CONSTRUCTION GROUP, LTD.

600 Busse Highway  
Park Ridge, IL 60068  
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**SITE IL16128-B**

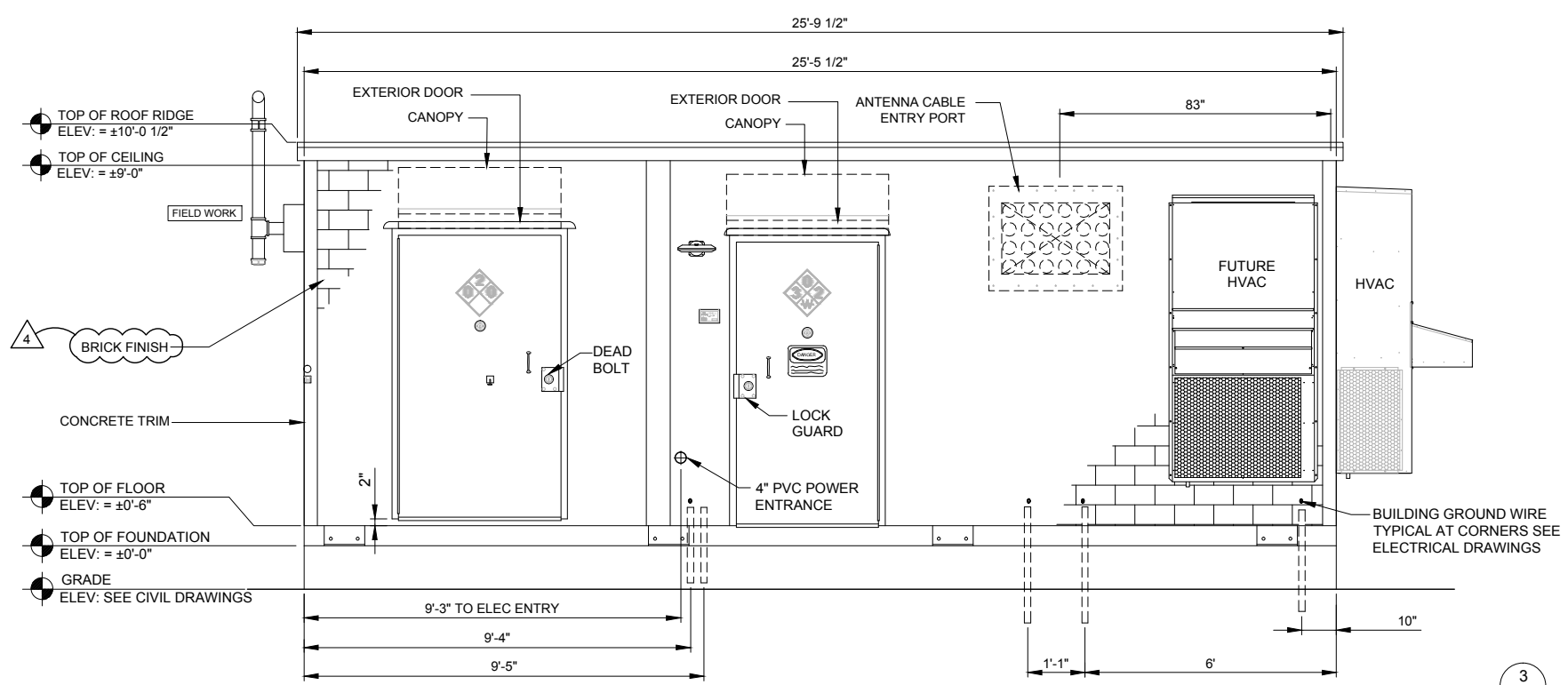
**PEORIA 3**

HALE AVE  
PEORIA, IL 61614

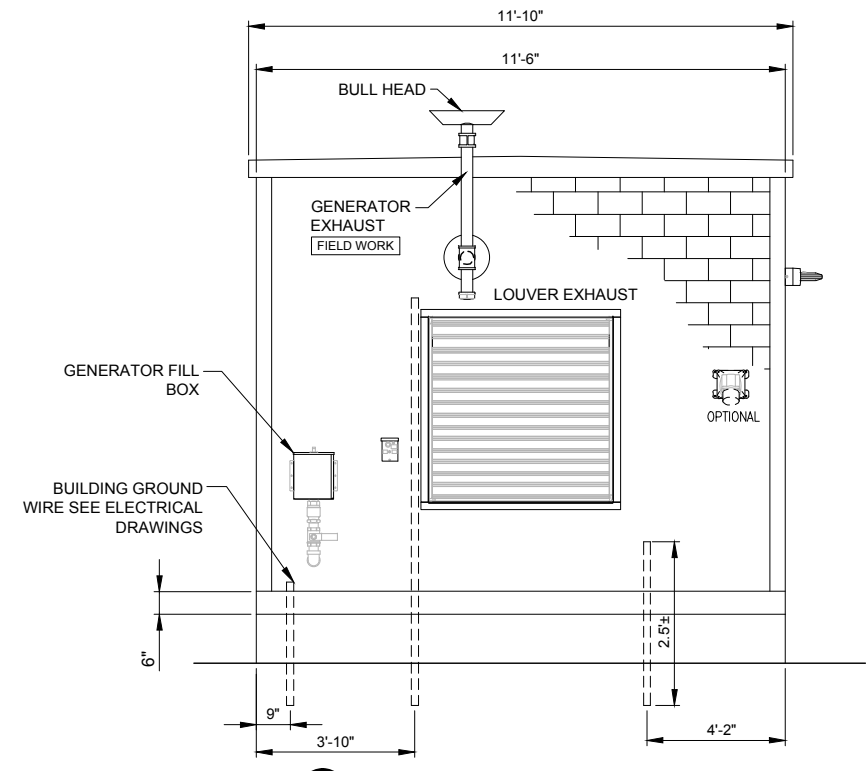
DRAWN BY: BTE  
CHECKED BY: TAZ  
DATE: 02/25/15  
PROJECT #: 7544

SHEET TITLE  
**EQUIPMENT ENCLOSURE PLAN & SECTION**

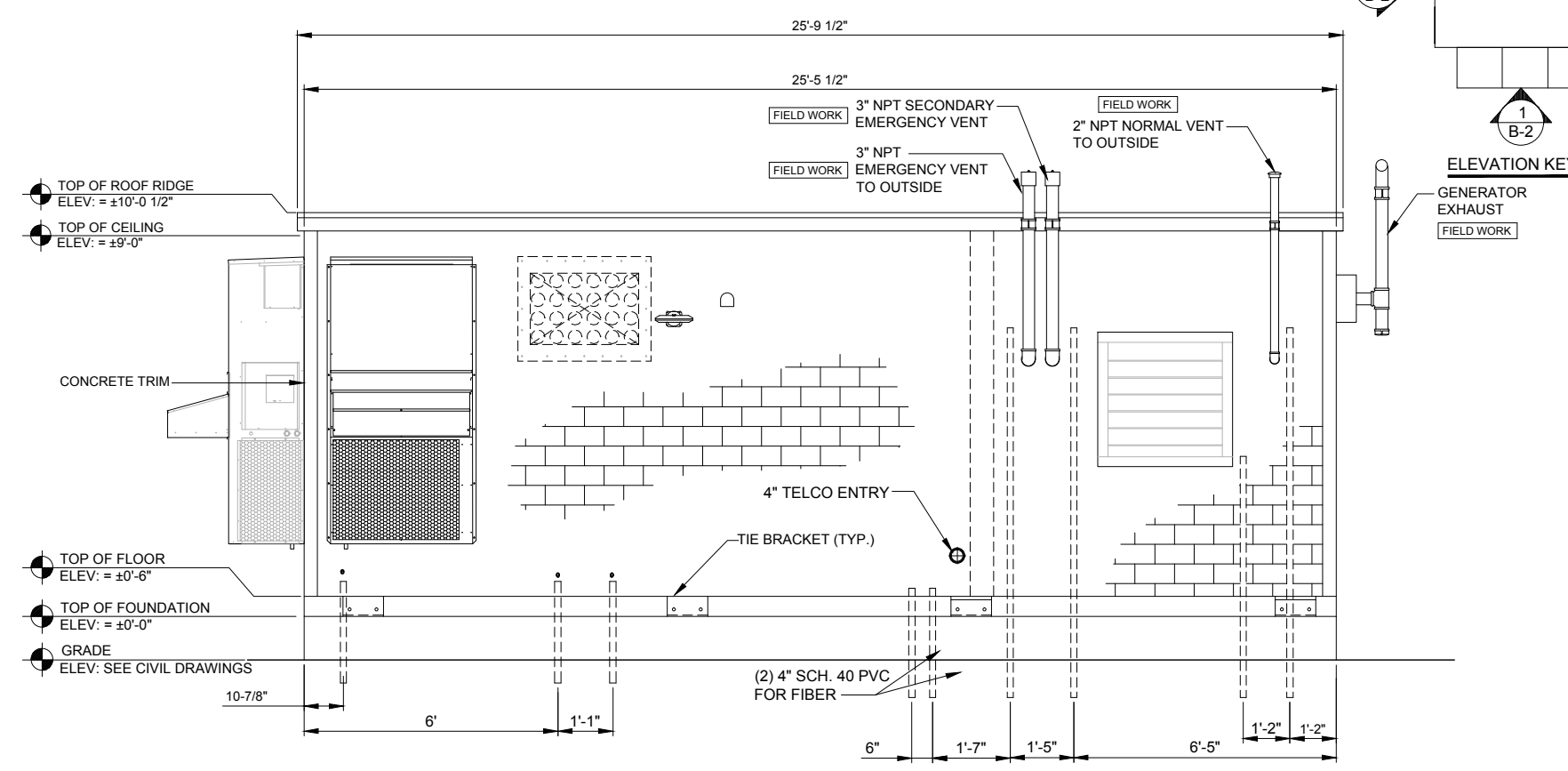
SHEET NUMBER  
**B-1**



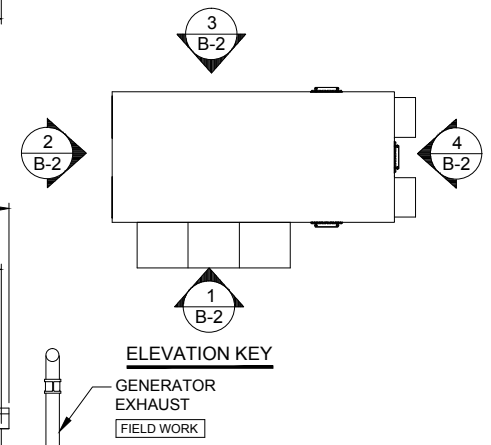
**1** ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



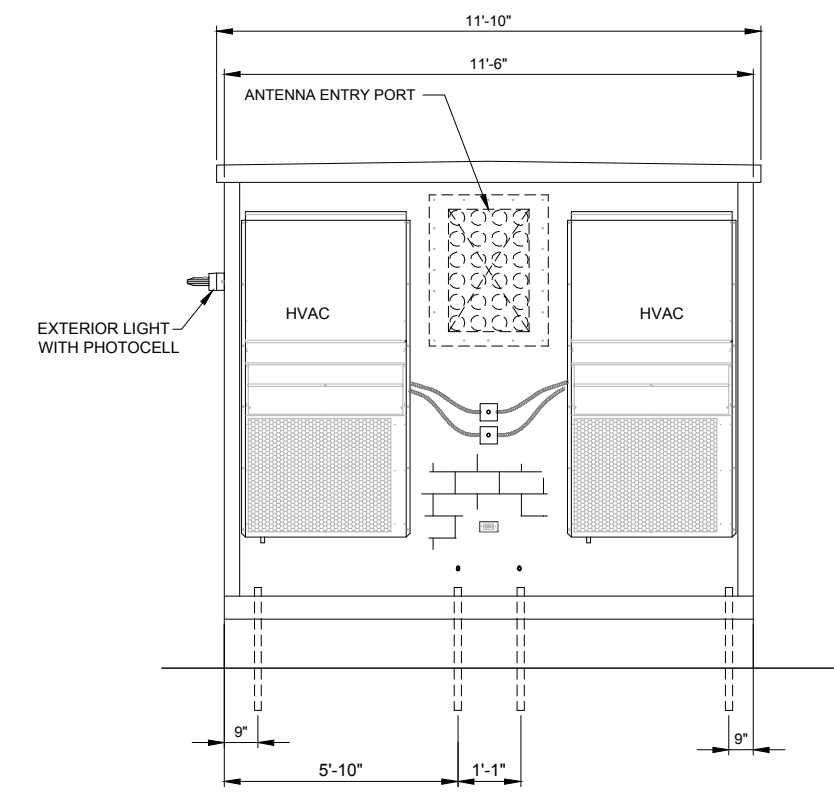
**2** ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



**3** ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



ELEVATION KEY



**4** ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"

- TOP OF ROOF RIDGE  
ELEV: = ±10'-0 1/2"
- TOP OF CEILING  
ELEV: = ±9'-0"
- ▲ BRICK FINISH
- CONCRETE TRIM
- TOP OF FLOOR  
ELEV: = ±0'-6"
- TOP OF FOUNDATION  
ELEV: = ±0'-0"
- GRADE  
ELEV: SEE CIVIL DRAWINGS

- TOP OF ROOF RIDGE  
ELEV: = ±10'-0 1/2"
- TOP OF CEILING  
ELEV: = ±9'-0"
- CONCRETE TRIM
- TOP OF FLOOR  
ELEV: = ±0'-6"
- TOP OF FOUNDATION  
ELEV: = ±0'-0"
- GRADE  
ELEV: SEE CIVIL DRAWINGS

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SHEET TITLE  
EQUIPMENT  
ENCLOSURE  
ELEVATIONS

SHEET NUMBER  
**B-2**



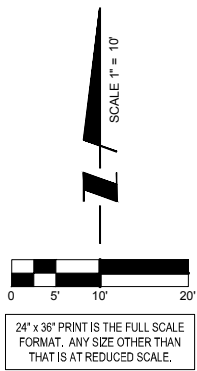
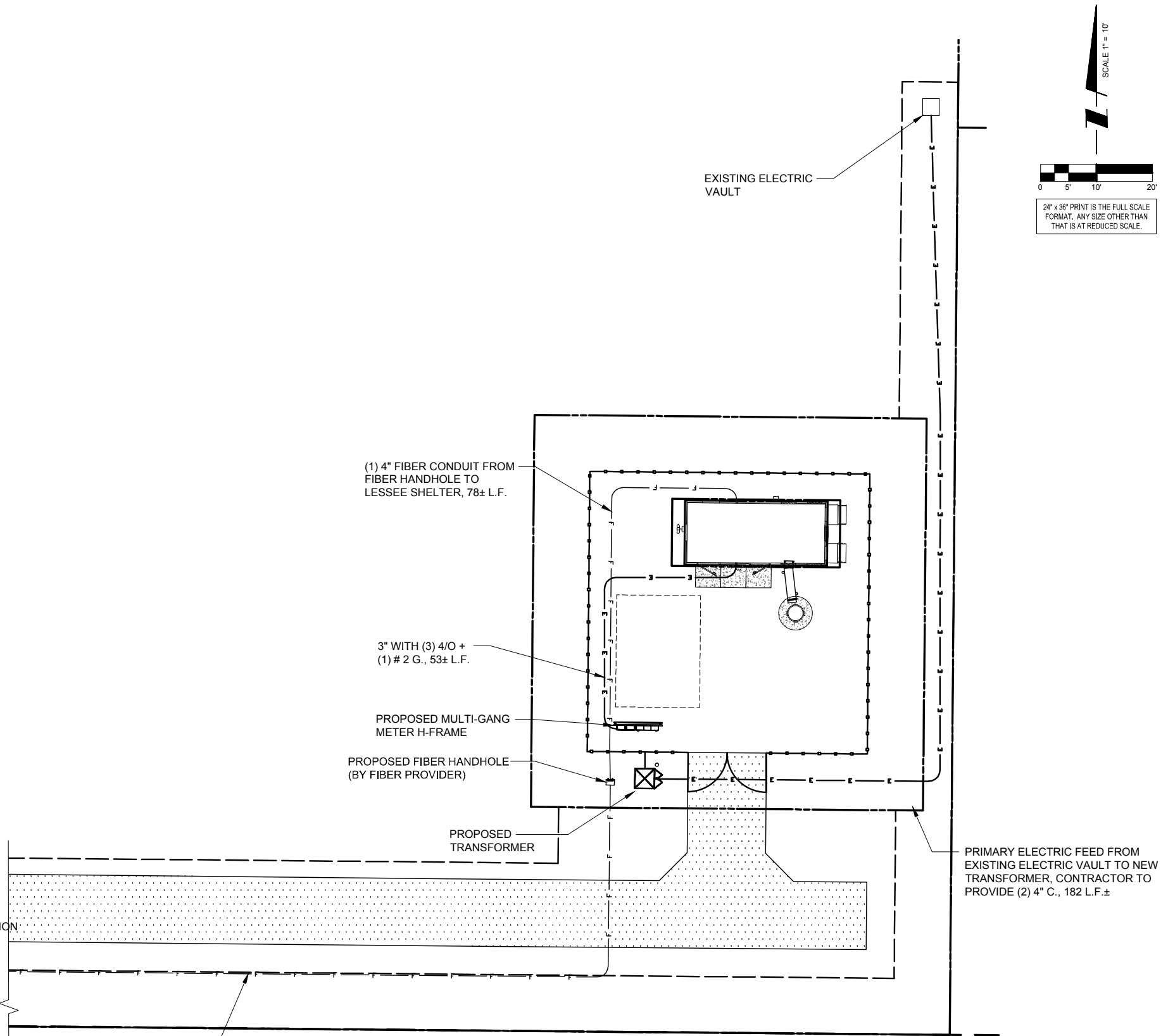
ELECTRICAL NOTES

- ALL WORK IS TO COMPLY WITH THE NATIONAL ELECTRICAL CODE (N.E.C.) AND ANY LOCAL ORDINANCES, CODES, AND ALL OTHER ADMINISTRATIVE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
- ALL EQUIPMENT AND MATERIAL FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE UNDERWRITERS LABORATORIES (U.L.) LISTED, NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
- ALL WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, AND SHALL RESTORE ALL EXISTING LANDSCAPING, SPRINKLER SYSTEMS, CONDUITS, WIRING, PIPING, ETC. DAMAGED BY THE ELECTRICAL WORK TO MATCH EXISTING CONDITIONS.
- ELECTRICAL WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEMS, TELEPHONE AND COMMUNICATION SYSTEMS, PANEL BOARDS, CONDUIT, CONTROL WIRING, GROUNDING, ETC. AS INDICATED ON ELECTRICAL DRAWINGS AND/OR AS REQUIRED BY GOVERNING CODES.
- PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY EXISTING SITE LOCATIONS AND CONDITIONS AND UTILITY SERVICE REQUIREMENTS OF THE JOB AND BY REFERENCE TO ARCHITECTURE AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
- PROVIDE POWER AND TELEPHONE TO SERVICE POINTS PER UTILITY COMPANY REQUIREMENTS. CONTRACTOR SHALL CONTACT UTILITY SERVICE PLANNERS AND OBTAIN ALL SERVICE REQUIREMENTS AND INCLUDE COSTS FOR SUCH IN HIS BID.
- SERVICE EQUIPMENT SHALL HAVE A SHORT CIRCUIT WITHSTAND RATING EQUAL TO OR EXCEEDING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SUPPLY TERMINAL. THE INSTALLATION SHALL BE FREE FROM ANY SHORT CIRCUITS AND GROUNDS.
- ALL WIRING SHALL BE COPPER WITH THHN/THWN DUAL RATED 600 VOLTS INSULATION.
- IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS AND/OR SPECIFICATIONS, THE NOTE SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL.
- SERVICE CONDUITS SHALL HAVE NO MORE THAN (2) -90° BENDS IN ANY SINGLE RUN. THE CONTRACTOR SHALL PROVIDE PULL BOXES AS NEEDED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDITIONS.
- ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO WITHSTAND 100 M.P.H. WIND SPEED AND DESIGNED FOR EXPOSURE C.
- ALL COAX, POWER AND TELEPHONE SYSTEM CONDUITS SHALL HAVE A MINIMUM 24" RADIUS SWEEPS TO EQUIPMENT, PULLBOXES, MONOPOLE, ETC. UNLESS OTHERWISE NOTED, OR AS REQUIRED BY UTILITY COMPANIES.
- FUSE TYPE SHALL BE BUSSMAN RKI LOW PEAK FUSE (LPU-RK-100).
- UPON COMPLETION OF THE JOB, THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE OWNER.
- CONTRACTOR TO PROVIDE GUTTER TAP(S) AS REQUIRED.
- GENERAL GROUNDING CRITERIA (FOR TENANT IMPROVEMENTS): 1ST STEP: GROUND TO EXISTING BUILDING STRUCTURAL STEEL AND TO THE STREET SIDE OF EXISTING WATER METER COLD WATER LINE. THEN TEST GROUNDING RESISTANCE TO WITHIN 1 TO 5 OHMS OVERALL GROUND RESISTANCE. WHERE THE EFFECTIVE RESISTANCE DOES NOT MEET THIS CRITERIA, PROVIDE SUPPLEMENTAL GROUNDING AND RE-TEST UNTIL GROUND RESISTANCE FALLS BELOW THIS LEVEL. SUPPLEMENTAL GROUND MAY CONSIST OF ONE OR MORE OF THE FOLLOWING: 1) COUNTERPOISE, 2) UFER GROUND, 3) GROUND ROD AND/OR GROUND WELL IN EXTREMELY ADVERSE SOIL CONDITIONS. WHERE THE EXISTING BUILDING STEEL DOES NOT PROVIDE AN EFFECTIVE GROUND RESISTANCE, THEN THE CONTRACTOR SHALL PROVIDE A SEPARATE GROUND CONDUCTOR FROM ROOF MOUNTED BTS EQUIPMENT LOCATIONS EITHER DOWN THROUGH THE INSIDE OF THE BUILDING OR DOWN THE OUTSIDE OF THE BUILDING, DEPENDING UPON OWNER PREFERENCE. WHERE THE GROUND CONDUCTOR FROM THE ROOF MOUNTED EQUIPMENT IS ROUTED IN CONDUIT, THE CONDUIT SHALL BE EFFECTIVELY GROUNDED TO THE GROUND CONDUCTOR AT BOTH ENDS OF THE CONDUIT. (MONOPOLE INSTALLATIONS): FOR INSTALLATIONS WHERE WOODEN STRUCTURES, TOWERS, CONCRETE SILOS ETC. ARE ENCOUNTERED A SEPARATE DOWNLEAD SHALL BE PROVIDED FROM THE ANTENNAS SEPARATED BY A MINIMUM OF 12 INCHES FROM THE COAXIAL CABLES. THE GROUND CONDUCTOR SHALL BE SECURELY FASTENED TO THE EXTERIOR OF OUTSIDE STRUCTURES WITH NONMETALLIC GROUND STRAPS EVERY 10 FEET. AGAIN, AS FOR TENANT IMPROVEMENT PROJECTS, TEST THE GROUND RESISTANCE FOR MONOPOLE INSTALLATIONS AND PROCEED PER THE ABOVE STEPS.
- CONTRACTOR TO COLOR PHASE CONDUCTORS BLACK (B PHASE), RED (A PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LOCAL AND STATE BUILDING CODES

FOR CONTINUATION OF FIBER RUN (SEE LP SHEET)



FIBER SERVICE EXTENSION FROM R.O.W., 408 L.F. ± TO HANDHOLE (TO BE DETERMINED)



**SBA**  
SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
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**SITE IL16128-B**  
**PEORIA 3**  
HALE AVE  
PEORIA, IL 61614

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SHEET TITLE  
**UTILITY ROUTING PLAN**

SHEET NUMBER  
**E-1**

UTILITIES:	POWER	PHONE
	AMEREN ILLINOIS	T.B.D.
	MICHELLE MCIRVIN	
	309-693-4879	

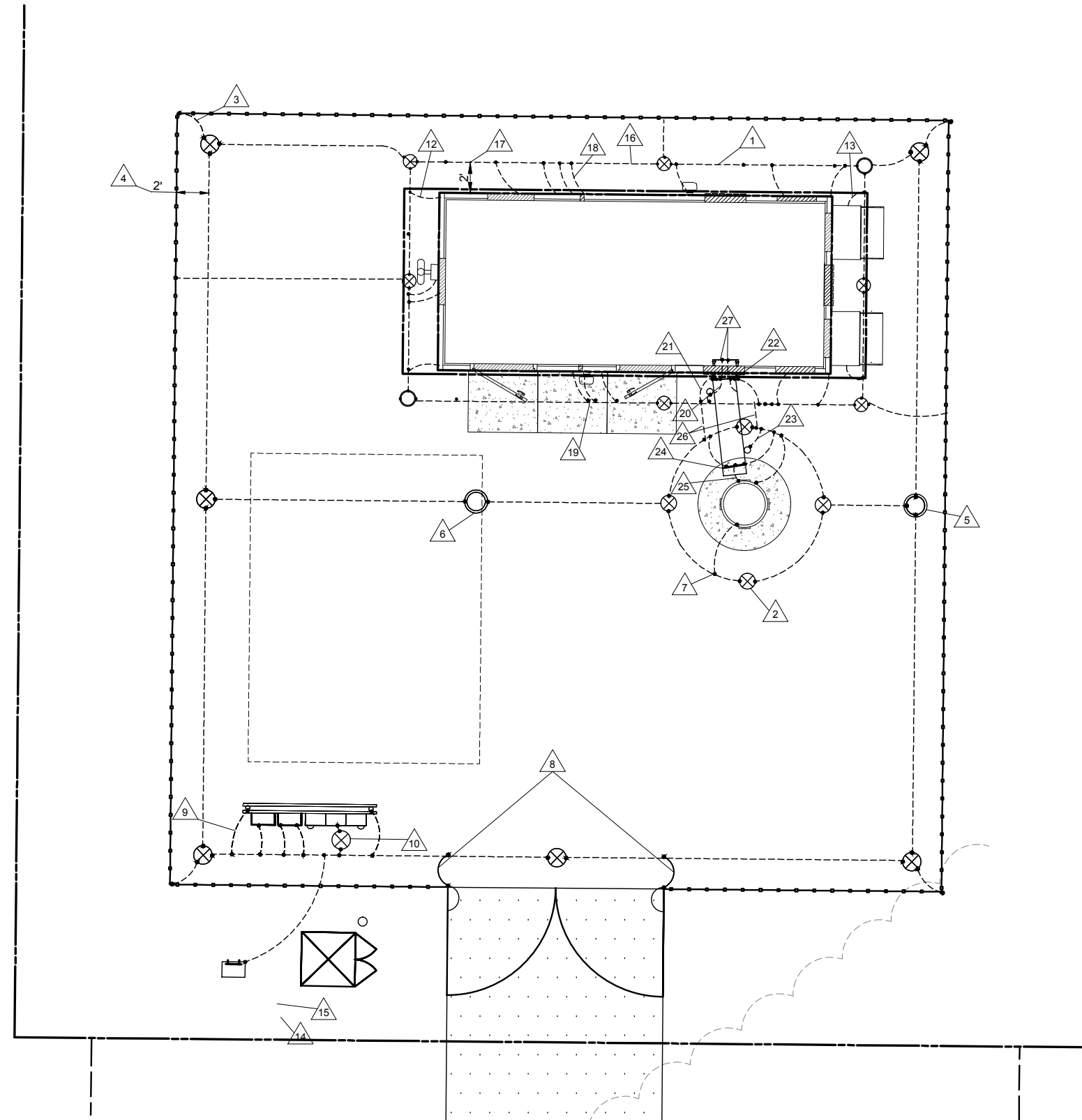
**TYPICAL KEYED GROUNDING NOTES**

- 1 #2 AWG TNNND SOLID BARE COPPER CONDUCTOR 42" BELOW GRADE (TYPICAL) MINIMUM 24" BENDING RADIUS
- 2 5/8" x 10' COPPER CLAD GROUND ROD
- 3 GROUND ALL CORNER POSTS WITH MECHANICAL PIPE CONNECTORS
- 4 PERIPHERAL GROUND RING SHOULD BE INSTALLED 1'-2" INSIDE THE FENCE LINE, THE TOWER GROUND RING SHOULD BE INSTALLED A MINIMUM TWO FEET OFF OF ANY STRUCTURE
- 5 5/8" Ø 10' LONG COPPERCLAD GROUND ROD WITH INSPECTION WELL, TOP OF GROUND ROD MAX 24" BURY, SEE DETAIL SHEET E-5.
- 6 INSPECTION WELL #2
- 7 BOND TOWER TO GROUND SYSTEM WITH CADWELD TYPE VS, 3 LOCATIONS
- 8 GATE JUMPERS SEE DETAIL ON SHEET E-5
- 9 PROVIDE AN EXTERNAL #2 TNNCOATED GROUND LEAD FROM GROUND RING TO ALL METAL CABINETS ON UTILITY BACKBOARD (TELCO, ELECTRIC, BREAKER PANELS, METER RACKS, JUNCTION BOXES, ETC.) SLEEVED IN CONDUIT FROM JUST BELOW GRADE TO SAND CABINETS USING BURNDY TYPE 2 LONG BARREL LUGS WITH NO-OK OR COPPER SHIELD
- 10 BOND THE #6 GREEN INSULATED CONDUCTOR FROM METER PANEL AND DISCONNECT TO SEPARATE GROUND ROD
- 11 BOND THE #6 GREEN INSULATED CONDUCTOR FROM TELCO BOX TO SEPARATE GROUND ROD.
- 12 ENCLOSURE GROUND (TYP.) IN 1/2" DIAMETER SCHEDULE 40 PVC CONDUIT
- 13 GROUND EQUIPMENT ENCLOSURE HVAC WITH MECHANICAL CLAMP (SEE DETAIL, SHEET E-7).
- 14 24" x 30" x 24" FIBER OPTIC HAND HOLE (SEE DETAIL 9, SHEET E-7)
- 15 4" x 12" x 1/4" GROUND BAR INSIDE OF HAND HOLE. G.C. TO DRIVE 10' GROUND ROD & CLAMP TO GROUND BAR (SEE DETAIL 9, SHEET E-7)
- 16 #2 AWG TNNND SOLID BARE COPPER CONDUCTOR 42" BELOW GRADE (SEE DETAIL 9, SHEET E-7)
- 17 MAINTAIN TWO FOOT DISTANCE OFF OF STRUCTURES.
- 18 GROUND TELEPHONE SERVICE ENTRANCE (SEE DETAIL, SHEET E-7).
- 19 ELECTRIC METER AND ELECTRIC SERVICE GROUNDING (SEE DETAIL SHEET E-3), COORDINATE ALTERNATE WITH PM
- 20 GROUND COAXIAL ANTENNA CABLES TO GROUND BAR BY ANTENNA CONTRACTOR TERMINATE CABLES 1'-0" FROM ENCLOSURE AND INSTALL GROUND KITS ON EACH CABLE GROUND.
- 21 EXOTHERMICALLY WELD COPPER GROUND BAR TAIL TO EXTERIOR HALO GROUND RING (EXOTHERMIC CONNECTION TYPE TA) BY ANTENNA CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
- 22 4"x20"x1/4" TNNND INSULATED COPPER GROUND BAR, NON ISOLATED WITH 10.0' LONG #2 AWG TNNND SOLID COPPER WIRE WELDED TAILS (HARGER GBIT 14420VW)
- 23 GROUND CABLE WAVEGUIDE BRIDGE (TYP.) BY ELECTRICAL CONTRACTOR.
- 24 4"x20"x1/4" TNNND INSULATED COPPER GROUND BAR, NON-ISOLATED, WITH 10.0' LONG #2 AWG TNNND SOLID COPPER WIRE WELDED TAILS (HARGER GBIT 14420VW)
- 25 GROUND ANTENNA CABLES TO GROUND BAR AT ANTENNA ELEVATION OF TOWER. GROUND BASE GROUND BAR TO GROUND HALO.
- 26 BOND PROPOSED TOWER GROUND RING TO PROPOSED GROUND RING WITH #2 AWG TNNND SOLID COPPER CONDUCTOR IN 2 LOCATIONS.
- 27 TWO #2 LEADS FROM THE EGR TO THE MGB LOCATED IN THE SHELTER. CADWELD AT EGR AND DOUBLE HOLE LUGS IN SHELTER.
- 28 TIE THE SHELTER EGR TO THE OUTER RING VIA #2 BARE TNNND COPPER LEADS WITH CADWELD CONNECTIONS.

**ELECTRICAL SYMBOLS**

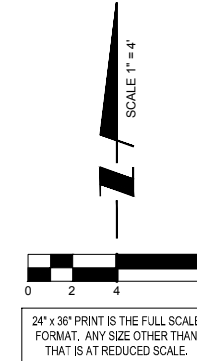
- E SURFACE ELECTRICAL PANELBOARD
- M ELECTRIC SERVICE METER
- T TRANSFORMER
- E— UNDERGROUND ELECTRICAL CONDUIT RUN
- T— UNDERGROUND TELEPHONE CONDUIT RUN
- G— SOLID BARE COPPER WIRE #2 AWG TNNND MIN. 24" BELOW GRADE (HARPER L-2) OR EQUAL, OR AS APPROVED.
- ⊗ 5/8" DIA X 10'-0" LONG COPPER CLAD GROUND ROD
- ⊙ GROUND BAR WITH INSPECTION WELL
- EXOTHERMIC WELD (CADWELD)
- MECHANICAL GROUND CONNECTION

**CONTRACTOR RESPONSIBLE FOR VERIFYING UTILITIES PRIOR TO ANY EXCAVATION**



CONTRACTOR RESPONSIBLE TO RETURN SURFACE TO ORIGINAL OR BETTER CONDITION

ALL CONNECTIONS TO GROUND BAR SHALL BE COATED WITH A NON-OXIDIZING COMPOUND



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**PEORIA 3**

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SHEET TITLE  
**SITE GROUNDING PLAN**

SHEET NUMBER  
**E-2**

OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR

**JULIE**  
ILLINOIS  
ONE CALL SYSTEM  
CALL JULIE TOLL FREE  
1(800) 962-0123  
48 HOURS BEFORE  
YOU DIG

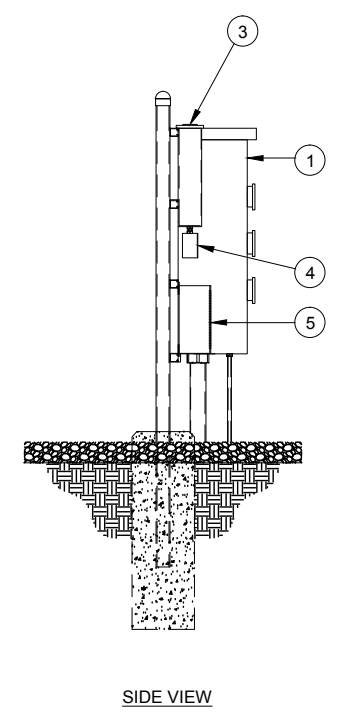
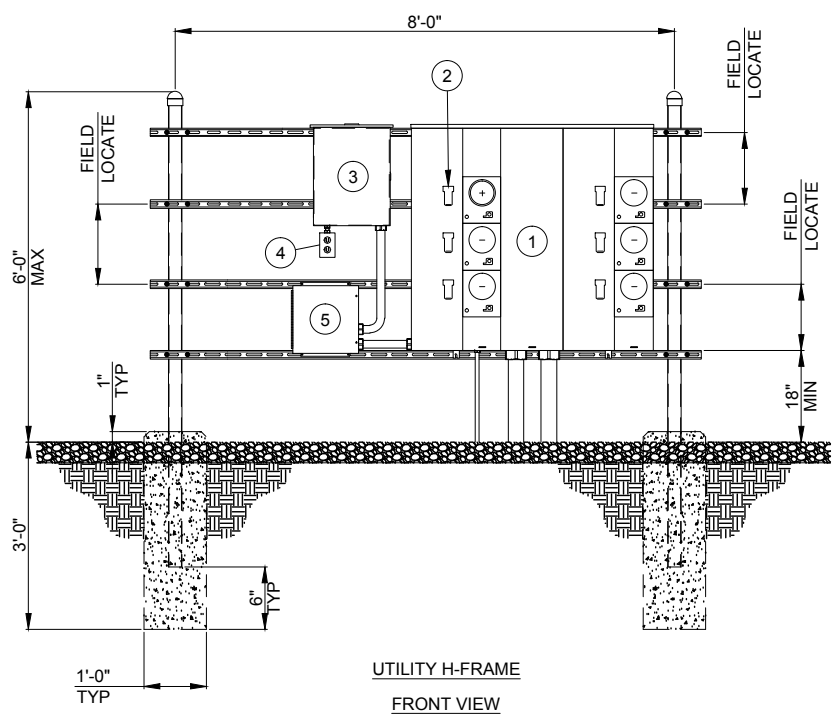
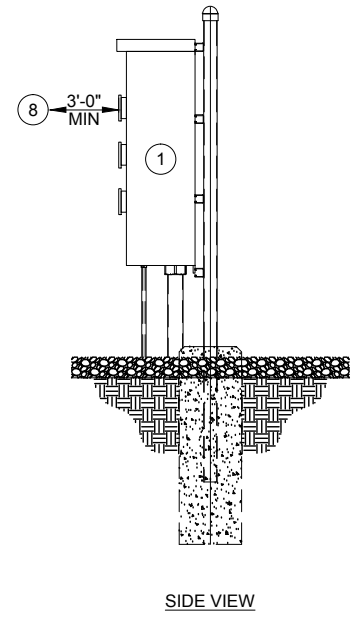
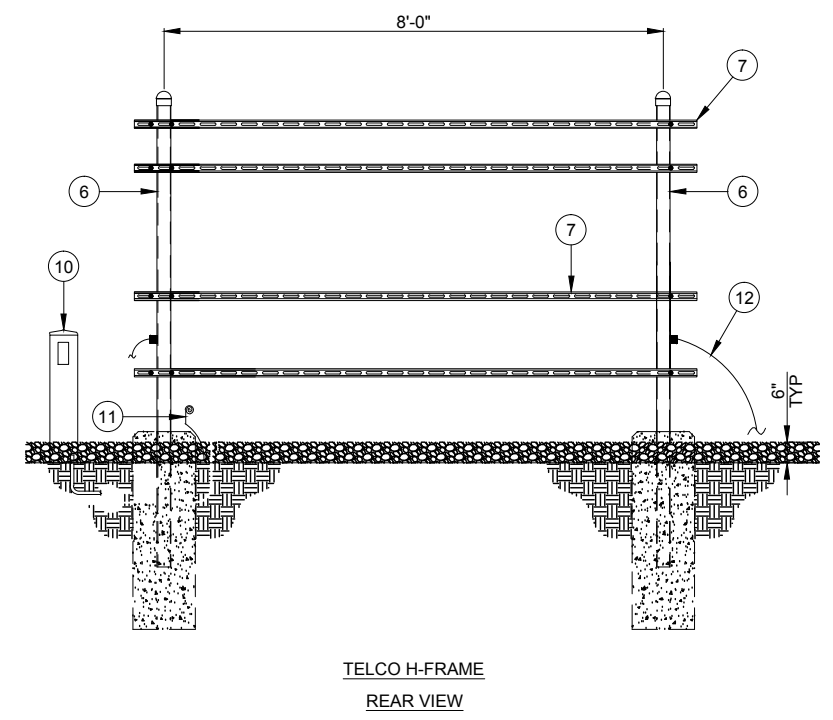
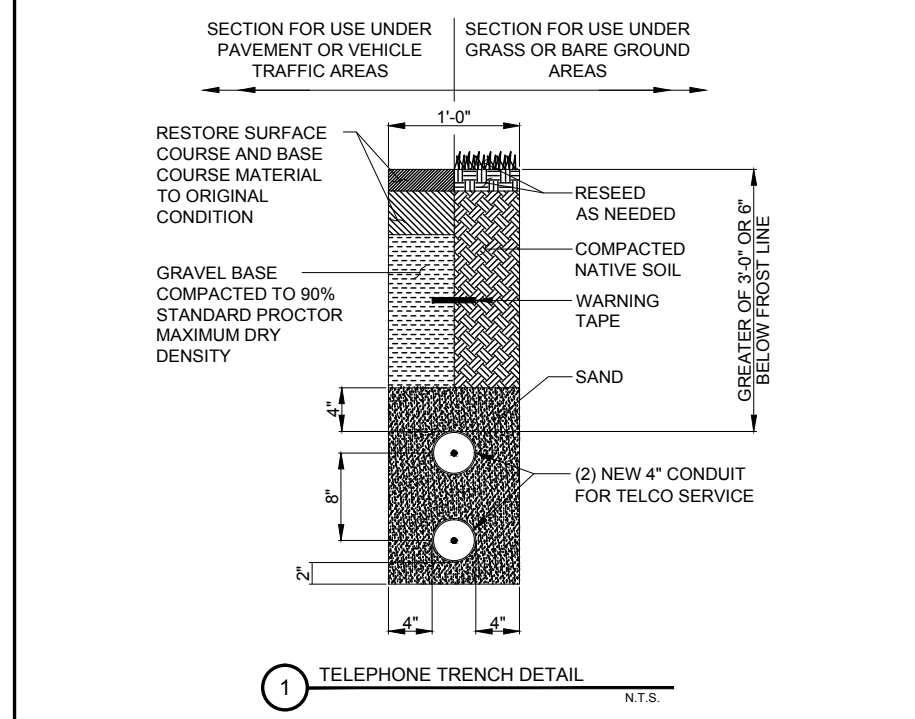
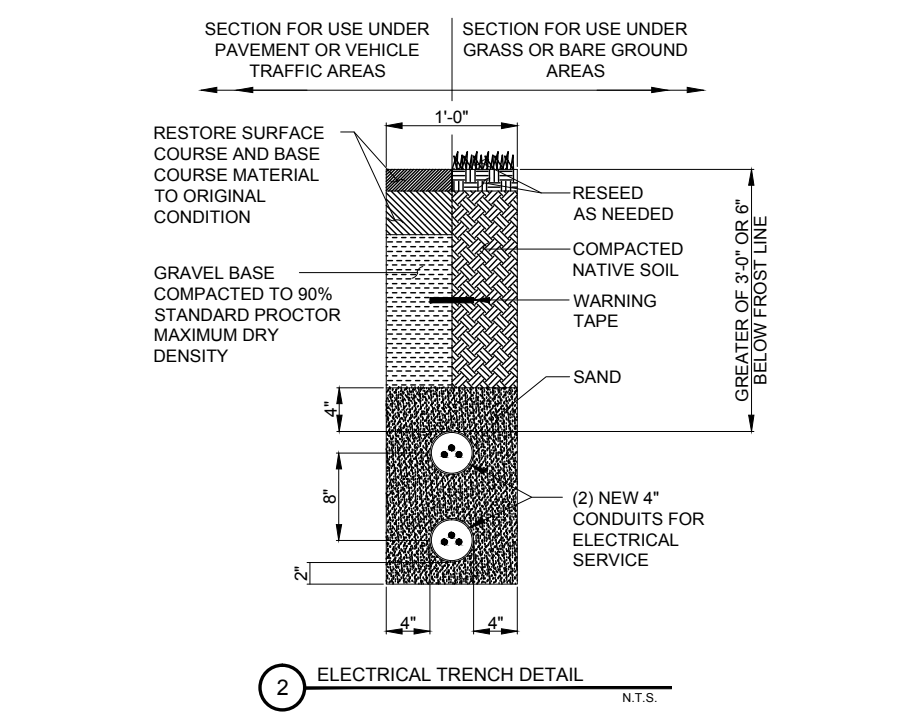
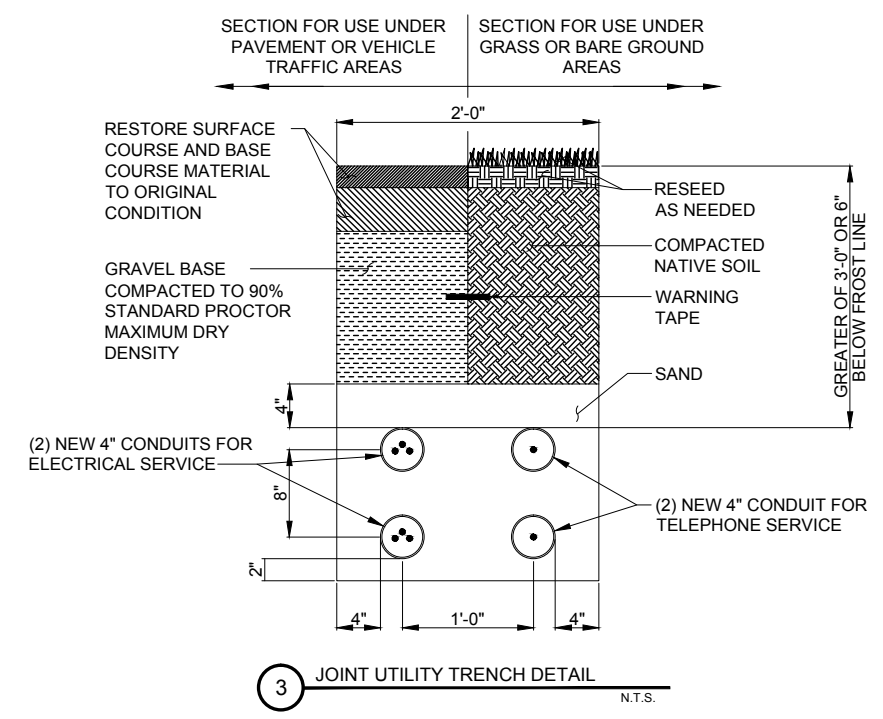
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4.	UPDATE PER CITY OF PEORIA COMMENTS	04/17/15

**SITE IL16128-B**  
**PEORIA 3**  
 HALE AVE  
 PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE  
**UTILITY DETAILS**

SHEET NUMBER  
**E-3**



**BALLOON REFERENCE NOTES:**

- 1 800A, 120/240V, 1 PHASE, 3 WIRE, 6 POSITION METERING CENTER (200A MAX CIRCUIT BREAKER) (SQUARE D METER PAK MPR86200, OR EQUAL)
- 2 125A TENANT SERVICE DISCONNECT (SQUARE D CATALOG #QOM2125MVH, OR EQUAL)
- 3 125A 120/240V 1 PHASE, 3 WIRE, 12 POSITION LOAD CENTER (SQUARE D QO LOAD CENTER #QO112L125GRB, OR APPROVED EQUAL)
- 4 120/240V 1-GANG COMMERCIAL GRADE OUTDOOR ELECTRICAL BOX W/ 20A COMMERCIAL GRADE DUPLEX RECEPTACLE
- 5 80ka 120/240V, 1 PHASE, 3 WIRE TRANSIENT VOLTAGE SURGE SUPPRESSOR (TESSCO #302065, OR APPROVED EQUAL)

- 6 3" NOMINAL GALVANIZED STEEL PIPE WITH PIPE CAP
- 7 HORIZONTAL SUPPORT MEMBER (UNISTRUT P1000, OR APPROVED EQUAL)
- 8 CONTRACTOR TO MAINTAIN 3'-0" MINIMUM CLEARANCE FROM METERING CENTER TO NEAREST OBSTRUCTION
- 9 4'x4' HOFFMAN BOX FOR TELCO
- 10 PROPOSED TELCO PEDESTAL (PROVIDED BY AT&T) LOCATED NEXT TO UTILITY POLE IN R.O.W.

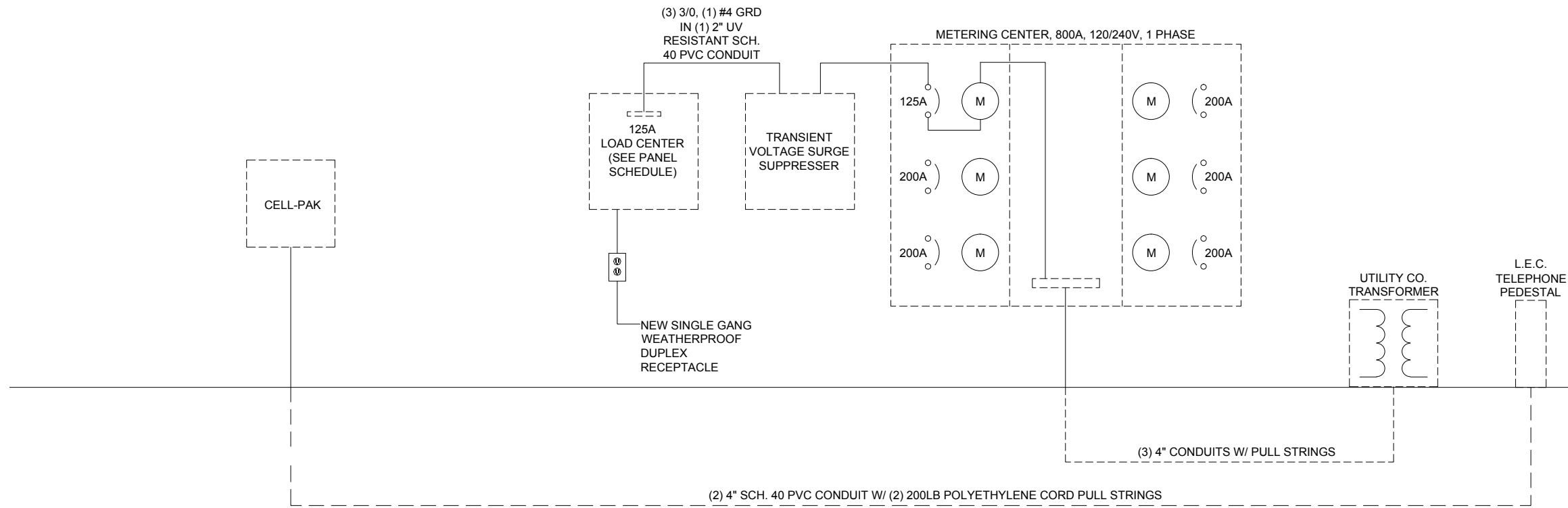
- 11 6" #6 GROUND WIRE COILED AT POST. CONNECT TO GROUNDING SYSTEM
- 12 #2 AWG BARE SOLID TINNED COPPER WIRE ROUTED TO GROUNDING SYSTEM (TYP. EACH LEG)

**4 UTILITY & TELCO H-FRAME DETAIL**  
 N.T.S.

LOAD PER PHASE (VA)		SBA PANEL SCHEDULE									LOAD PER PHASE (VA)	
PHASE		MAIN: 125A MAIN LUGS FEEDER:			VOLTAGE: 120/240V INTERRUPT RATING: 10 KAIC			PHASE: 1 WIRE: 3 ENCLOSURE: NEMA 3R			PHASE	
A	B	CIRCUIT DESCRIPTION	BREAKER	WIRE	NO.	NO.	WIRE	BREAKER	CIRCUIT DESCRIPTION	A	B	
-	-	DUPLEX RECEPTACLE	20A	#10	1	2	-	-	SPARE	-	-	
-	-	SPARE	-	-	3	4	-	-	SPARE	-	-	
-	-	SPARE	-	-	5	6	-	-	SPARE	-	-	
-	-	SPARE	-	-	7	8	-	-	SPARE	-	-	
-	-	SPARE	-	-	9	10	-	-	SPARE	-	-	
-	-	SPARE	-	-	11	12	-	-	SPARE	-	-	

- SERVICE BOND IS TO BE MADE BY DEVICES (STRAPS, SCREWS, ETC.) SUPPLIED BY EQUIPMENT MANUFACTURER. IF NO SUCH DEVICE IS SUPPLIED, BOND IS TO BE MADE IN ACCORDANCE WITH NEC ARTICLE 250.
- CONDUCTOR OVERCURRENT PROTECTION DEVICES ARE SELECTED IN ACCORDANCE WITH NEC ARTICLE 240-3. CONDUCTOR SIZING IS SELECTED FROM NEC ARTICLE 310-16.
- CONDUCTOR OVERCURRENT PROTECTION DEVICES ARE SELECTED IN ACCORDANCE WITH NEC ARTICLE 240-3. CONDUCTOR SIZING IS SELECTED FROM NEC ARTICLE 310-16.
- ALL LUGS THAT HOLD MORE THAN ONE WIRE SHALL BE LISTED FOR MULTI-BARRELL CONNECTIONS.
- ALL CONDUCTORS SHALL BE INSULATED THHN WIRE.

1 LOAD CENTER PANEL SCHEDULE & NOTES  
N.T.S.



2 ELECTRICAL SINGLE-LINE DIAGRAM  
N.T.S.

SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
PHONE: 1-800-487-7483

600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
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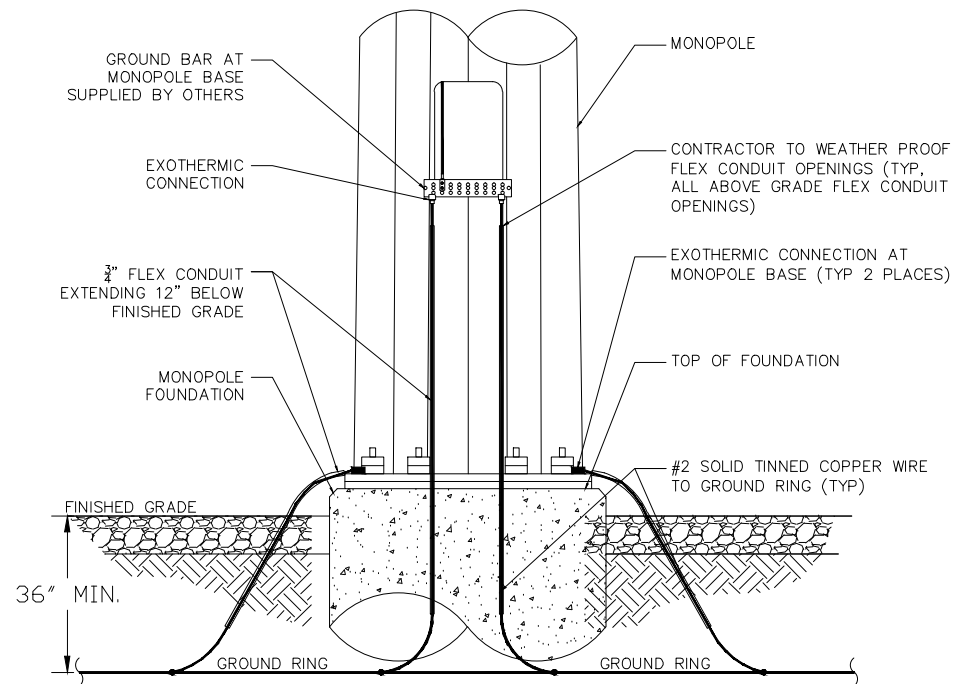
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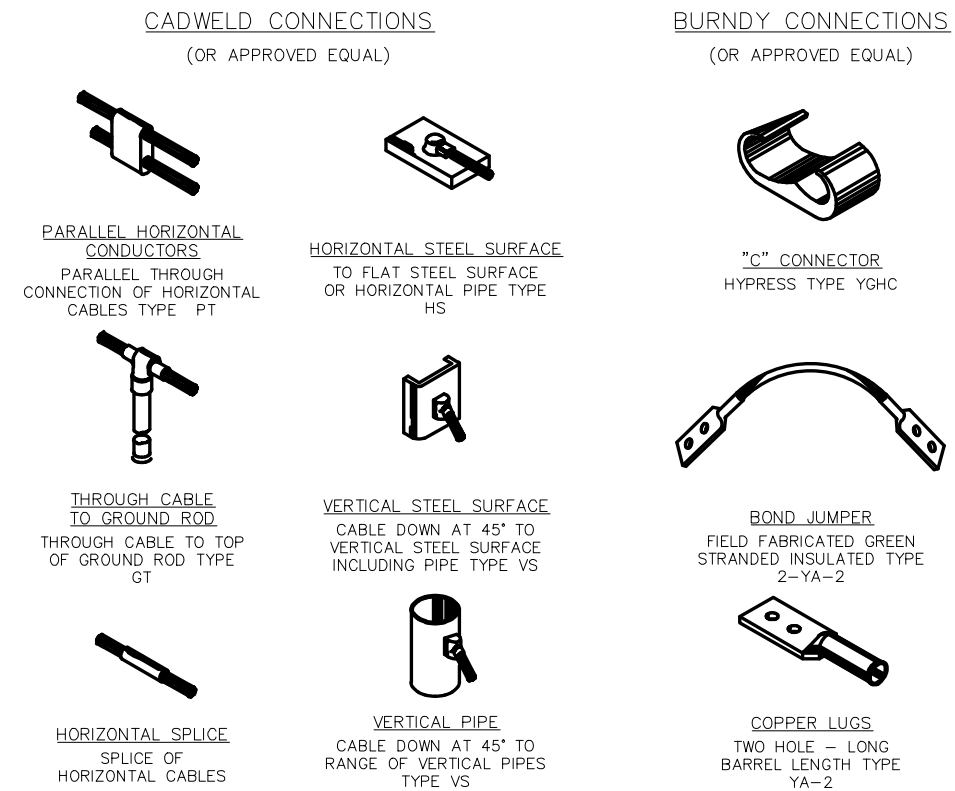
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SHEET TITLE  
SINGLE LINE DIAGRAM  
& PANEL SCHEDULE

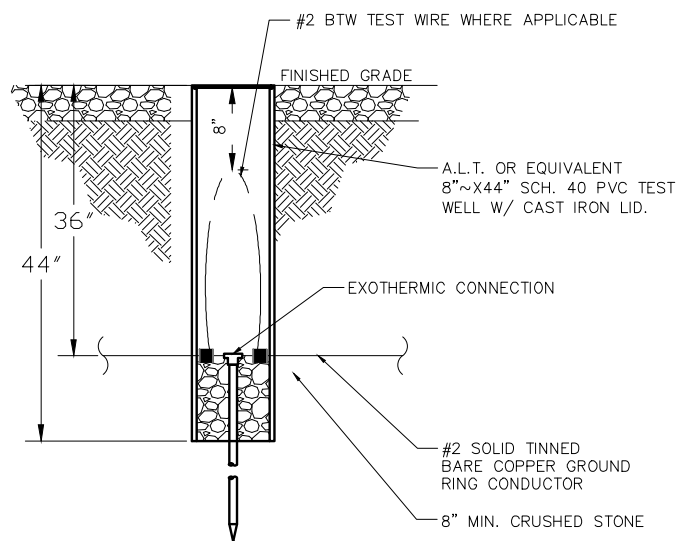
SHEET NUMBER  
**E-4**



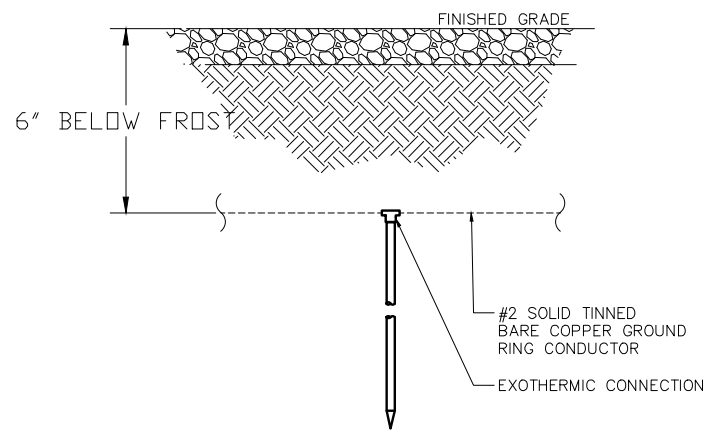
1 GROUNDING @ TOWER BASE  
N.T.S.



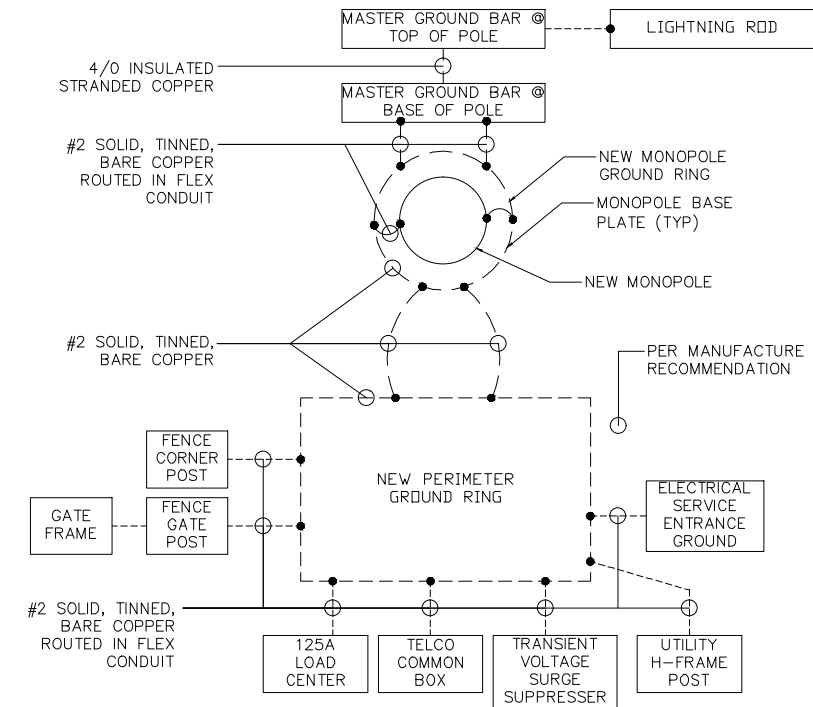
2 TYPICAL WELDING CONNECTIONS  
N.T.S.



3 ACCESS WELL DETAIL  
N.T.S.



4 GROUNDING ROD DETAIL  
N.T.S.



5 GROUNDING SCHEMATIC  
N.T.S.

**SBA**

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**TERRA**  
CONSTRUCTION GROUP, LTD.

600 Busse Highway  
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Fax: 847/698-6401

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PEORIA 3

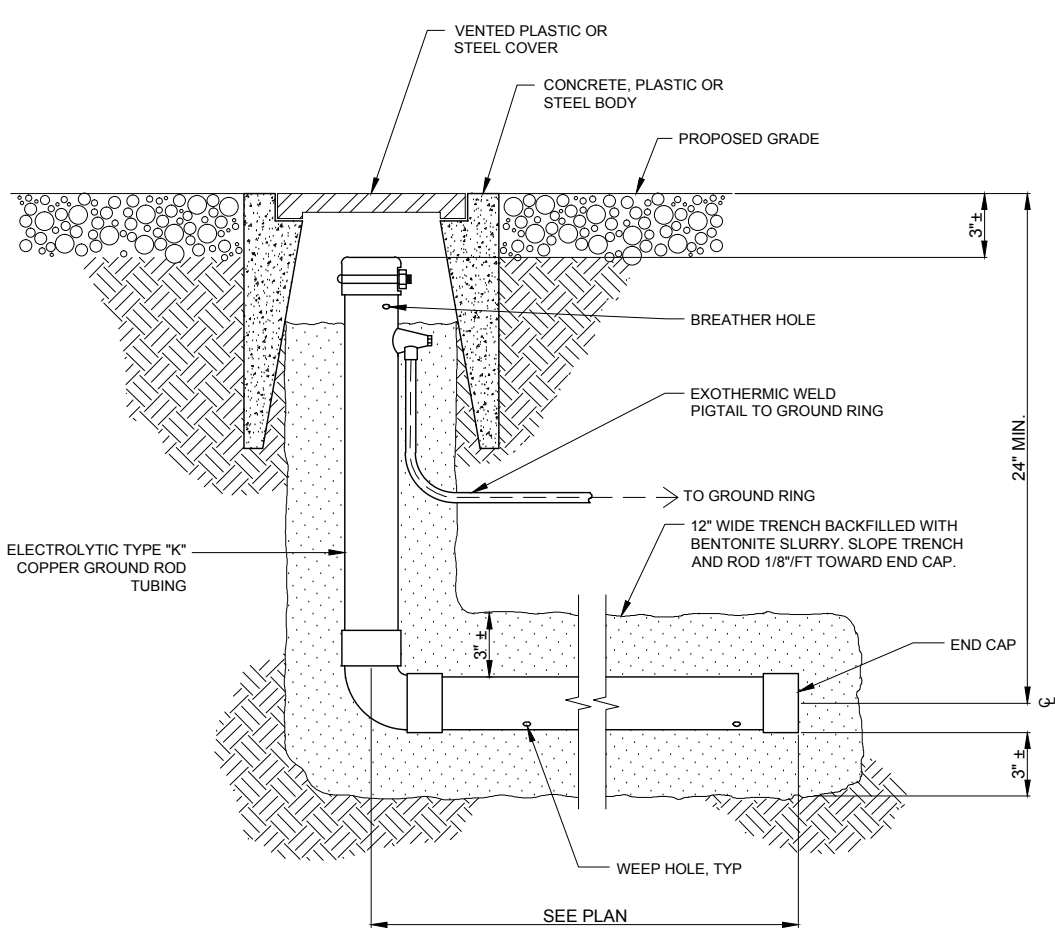
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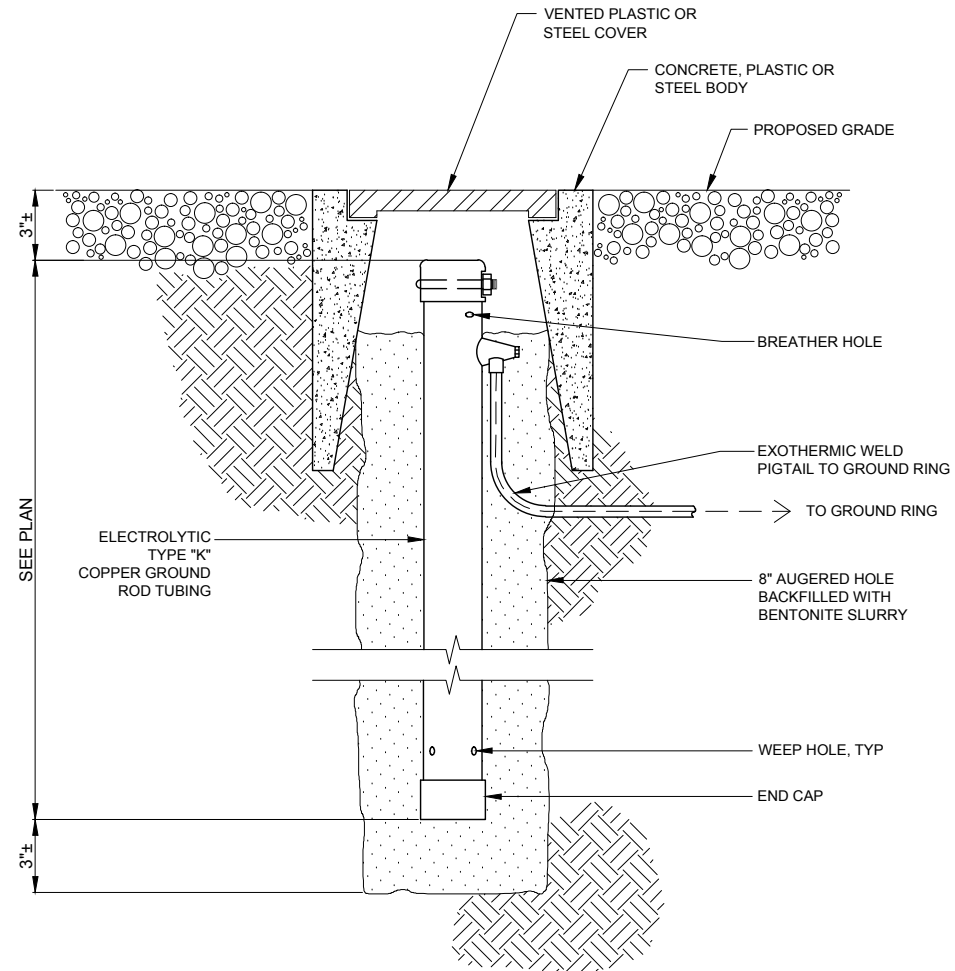
SHEET TITLE  
**ELECTRICAL & GROUNDING DETAILS**

SHEET NUMBER

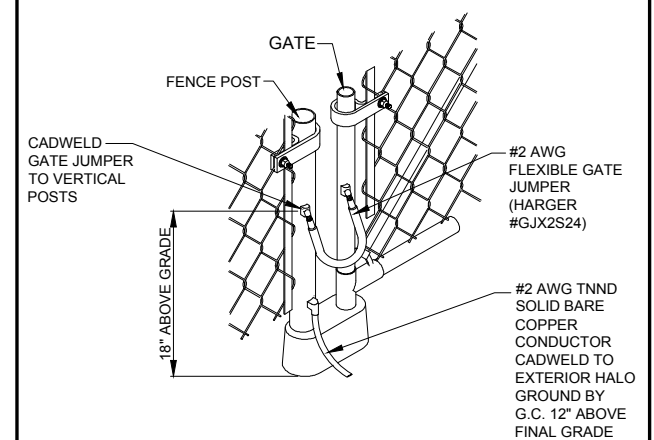
**E-5**



1 XIT CHEMICAL GROUND DETAIL HORIZONTAL  
(WHEN REQUIRED) N.T.S.



2 XIT CHEMICAL GROUND DETAIL VERTICAL  
(WHEN REQUIRED) N.T.S.



3 CORNER AND GATE FENCE POST DETAIL  
NTS



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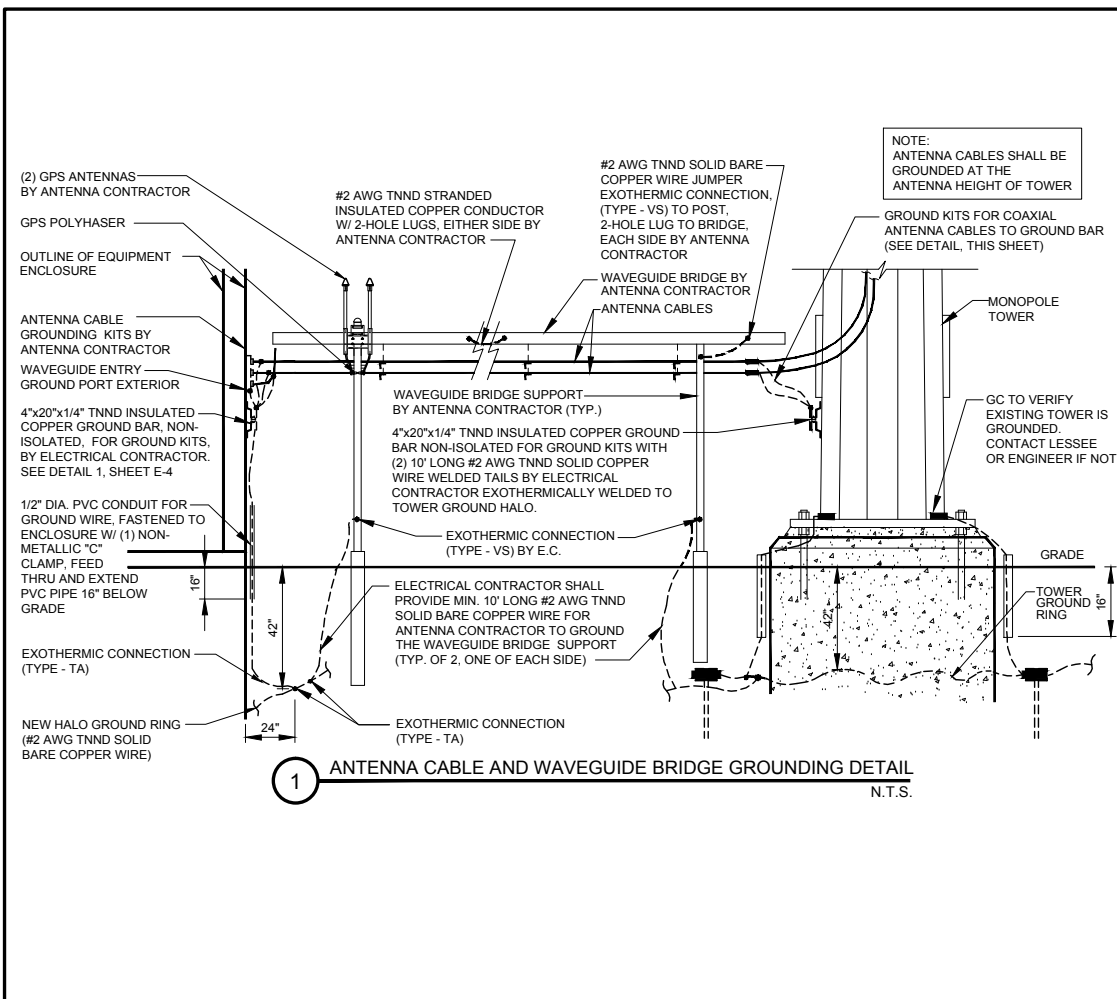
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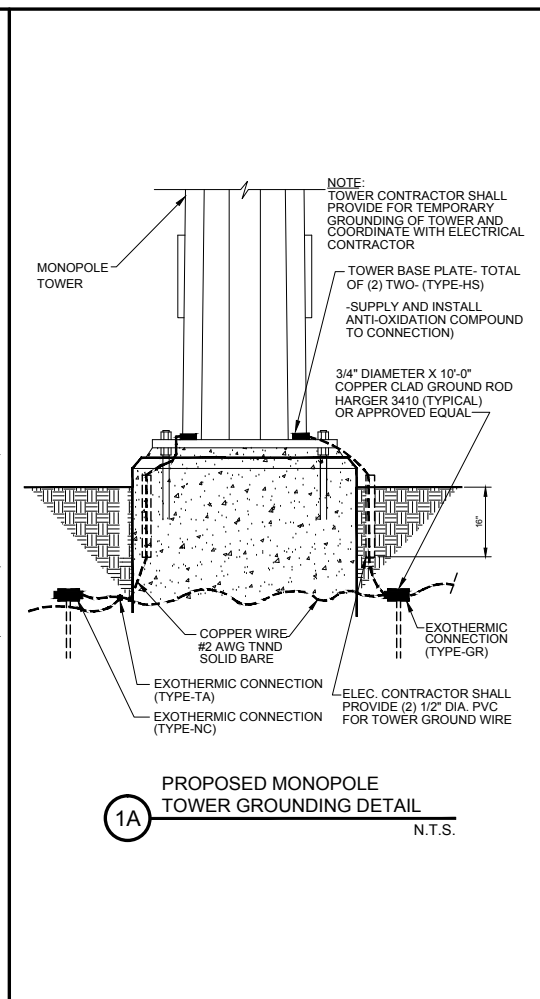
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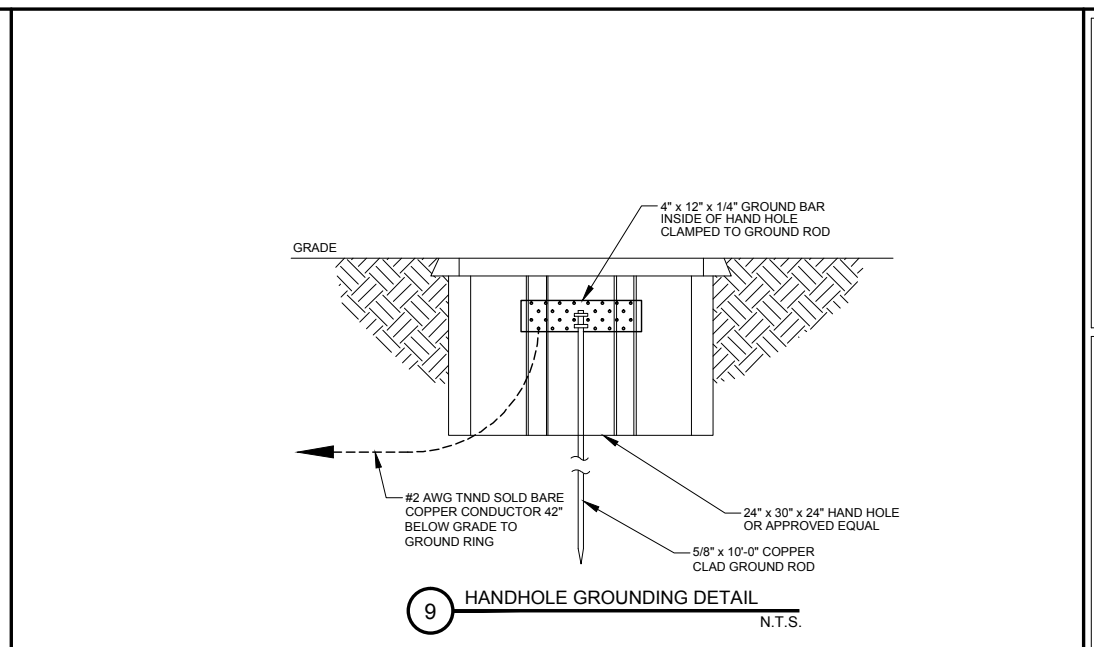
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**E-6**



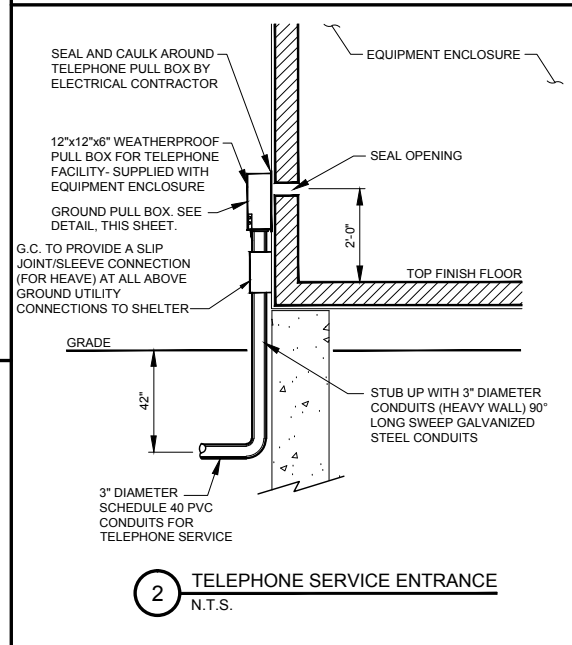
**1 ANTENNA CABLE AND WAVEGUIDE BRIDGE GROUNDING DETAIL**  
N.T.S.



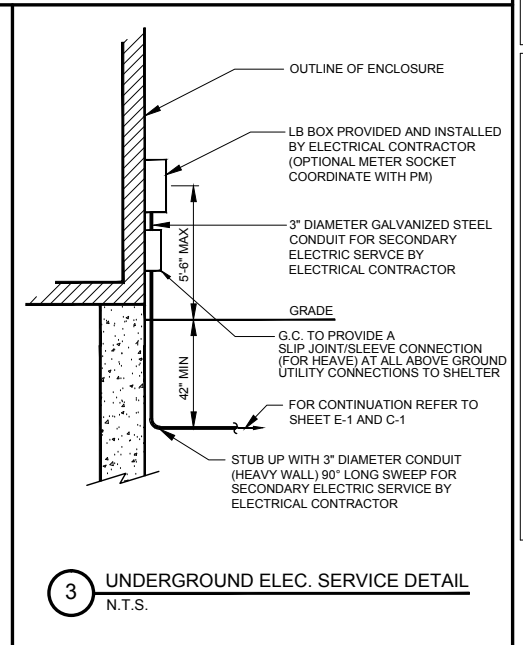
**1A PROPOSED MONOPOLE TOWER GROUNDING DETAIL**  
N.T.S.



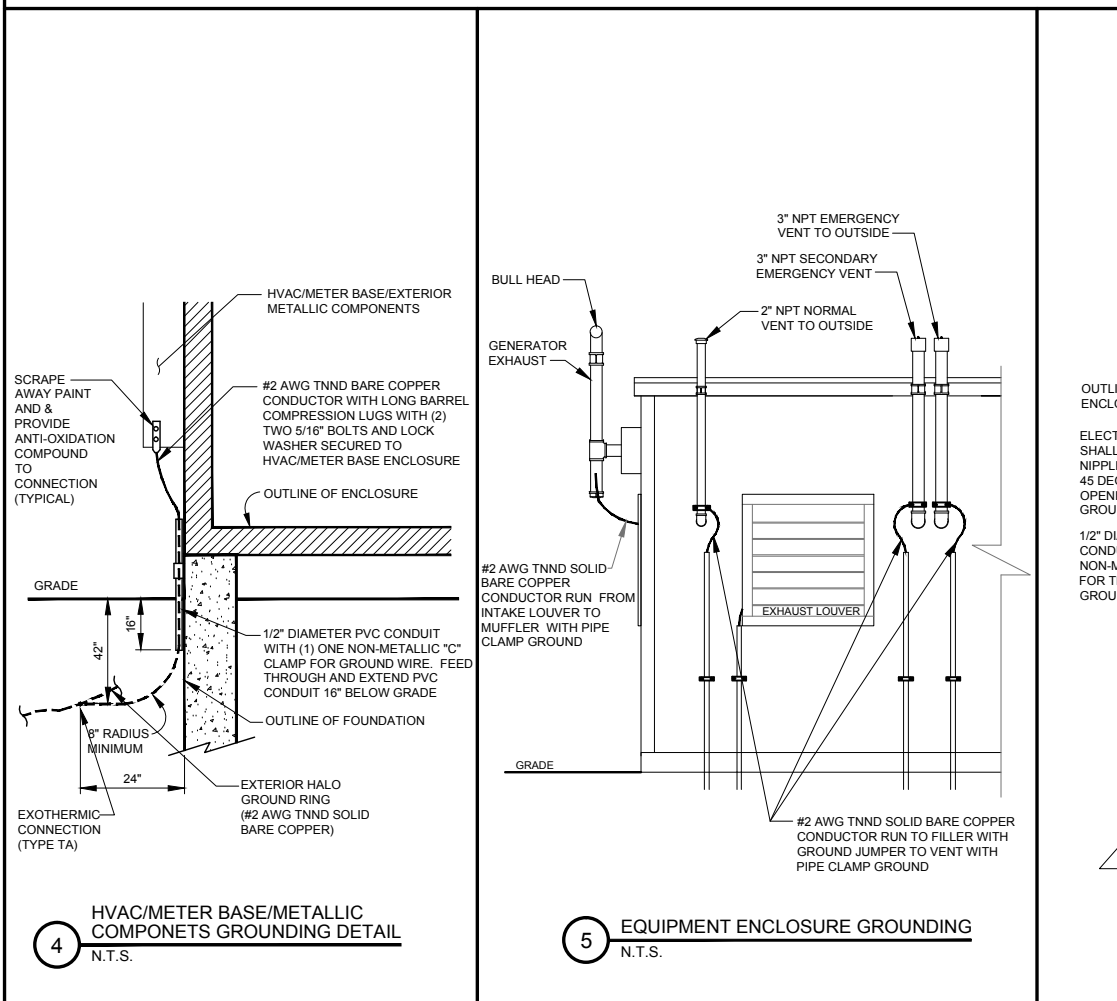
**9 HANDHOLE GROUNDING DETAIL**  
N.T.S.



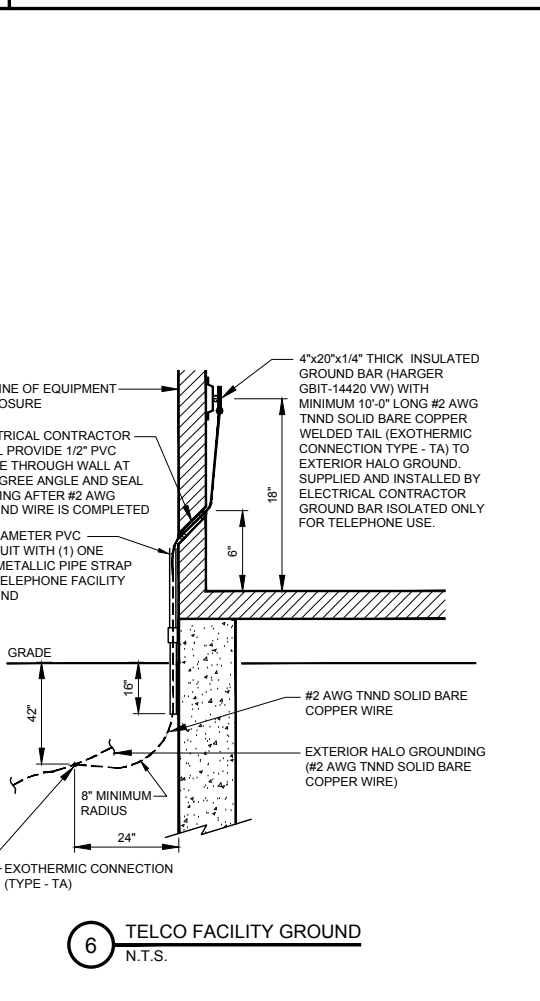
**2 TELEPHONE SERVICE ENTRANCE**  
N.T.S.



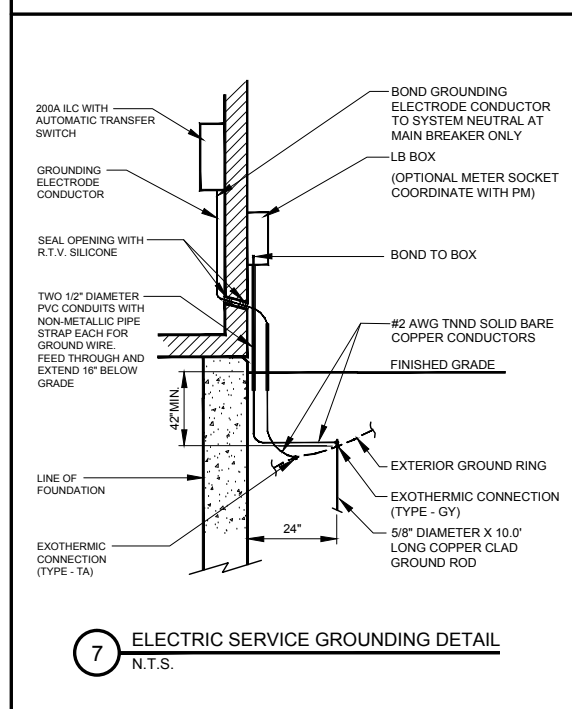
**3 UNDERGROUND ELEC. SERVICE DETAIL**  
N.T.S.



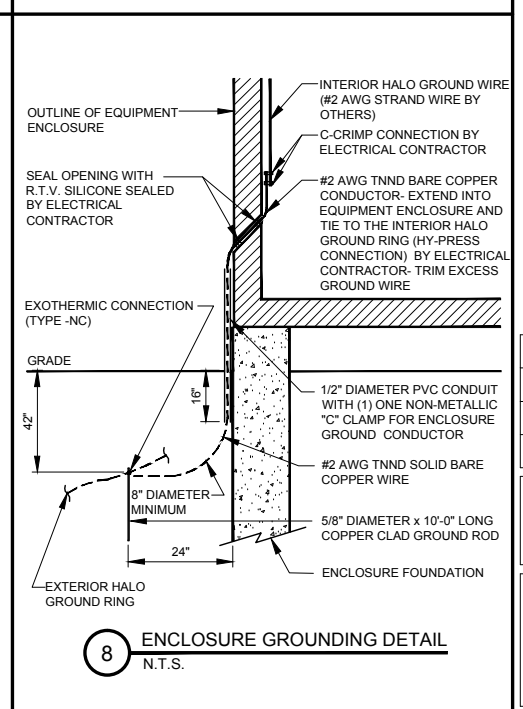
**4 HVAC/METER BASE/METALLIC COMPONENTS GROUNDING DETAIL**  
N.T.S.



**5 EQUIPMENT ENCLOSURE GROUNDING**  
N.T.S.



**6 TELCO FACILITY GROUND**  
N.T.S.



**7 ELECTRIC SERVICE GROUNDING DETAIL**  
N.T.S.

**SBA**

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SHEET TITLE  
**LESSEE GROUNDING DETAILS**

SHEET NUMBER  
**E-7**

**GENERAL NOTES**

- ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR ITS DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY. THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
- ALL PROPOSED CELLULAR EQUIPMENT AND FIXTURES SHALL BE FURNISHED BY OWNER FOR INSTALLATION BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
- RADIO EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

**STRUCTURAL NOTES**

- DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE E1A/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE 8. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE 8. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
- ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
- ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (U.O.N.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 80, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
- THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- HOT-DIP GALVANIZE ITEMS SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL. GALVANIZING: ASTM A 123, ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
- REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED, AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
- CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/ SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER.

**PERMITS**

- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. (NOT SUPPLIED BY OWNER)
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS. (NOT SUPPLIED BY OWNER)
- ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH SITE.

**UTILITIES**

- CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. LOCATION OF EXISTING SEWER, WATER LINES, GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR VERIFYING LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION DR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF THERE APPEARS TO BE A CONFLICT.
- CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS AND CONSTRUCTION MANAGER.
- DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE..
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF NEW UNDERGROUND TELEPHONE SERVICE WITH THE TELEPHONE UTILITY AND THE OWNER'S REQUIREMENTS.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORY PRIOR TO COMMENCING ANY PAVING OPERATIONS WHERE SUCH UTILITIES ARE WITHIN THE LIMITS OF PAVEMENT.

**GRADING**

- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC...) ALL MATERIAL NOT SUITABLE FOR SUB GRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUB GRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PRE FORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

**PAINTING**

- CONTRACTOR TO COORDINATE PAINTING REQUIREMENTS WITH OWNER.
- PAINT COLORS SHALL BE SELECTED TO MATCH EXISTING COLORS AND TEXTURES.
- PROVIDE THE BEST QUALITY GRADE OF COATINGS AS REGULARLY MANUFACTURED BY APPROVED PAINT MATERIAL MANUFACTURERS. MATERIALS NOT DISPLAYING THE MANUFACTURER'S IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.
- PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER AND USE ONLY WITHIN RECOMMENDED LIMITS.
- COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTINGS, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

FERROUS METALS  
SHOP PRIMED  
TOUGH-UP COAT - RED OXIDE METAL PRIMER  
FINISH COATS - SEMI-GLOSS-ALKYD ENAMEL


**SBA CONSTRUCTION REQUIREMENTS**

- AWARDED CONTRACTOR WILL BE REQUIRED TO SIGN AND RETURN A COPY OF AN AWARD LETTER FOR SBA'S FILE.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF LICENSE TO PERFORM WORK IN JURISDICTION AT TIME OF BID AWARD.
- CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION STARTING AND WILL PROVIDE UPDATE/CHANGES (WITH EXPLANATIONS) TO THAT SCHEDULE WHEN/IF ITEMS ARE DELAYED OR PUSHED OUT.
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONCRETE COMPRESSIVE TESTING AND REQUIRED TO SUBMIT FINAL TEST RESULTS WITH CLOSE OUT BOOK.
- CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SBA PROJECT MANAGERS WITH PHOTOS OF THE MAJOR CONSTRUCTION MILESTONES AS THEY OCCUR.
- CONTRACTOR WILL BE RESPONSIBLE TO ASSIST IN COORDINATING AND OBTAINING PRIMARY POWER TO THE SITE PRIOR TO TOWER ERECTION, AS WELL AS TELCO SERVICE BEFORE PROJECT COMPLETION. (ON SITE VISITS WITH UTILITY COMPANY REPRESENTATIVES AS NECESSARY, ETC...).
- CONTRACTOR WILL HAVE A REPRESENTATIVE ON A WEEKLY CONFERENCE CALL TO PROVIDE SBA WITH SITE SPECIFIC UPDATES. CURRENTLY, THIS CONFERENCE CALL IS HELD EACH AND EVERY THURSDAY AT 4 PM (EASTERN TIME).
- CONTRACTOR SHOULD BE PREPARED FOR RANDOM SBA SAFETY INSPECTIONS AT ALL TIMES.
- CONTRACTOR IS EXPECTED TO MAINTAIN PROPER WORKING CONDITIONS AND PROCEDURES PER OSHA STANDARDS AT ALL TIMES.
- CONTRACTOR WILL BE REQUIRED TO OBTAIN THE NECESSARY ELECTRICAL PERMITS AND INSPECTIONS AS REQUIRED BY JURISDICTION.
- CONTRACTOR IS EXPECTED TO CLOSE-OUT THE JOB SITE AS QUICKLY AS POSSIBLE (OBTAINING A CERTIFICATE OF OCCUPANCY AND GETTING SBA'S REGIONAL SITE MANAGER'S SIGN-OFF/CHECKLIST APPROVAL ON THE SITE).
- CONTRACTOR WILL PROVIDE A COMPLETED TOWER HEIGHT VERIFICATION FORM AND TAPE DROP WITHIN 24 HOURS OF REACHING OVERALL HEIGHT.
- CONTRACTOR WILL UTILIZE ALL OF THE SBA PROVIDED DOCUMENTATION INCLUDING BUT NOT LIMITED TO: TOWER CONSTRUCTION ACCEPTANCE CHECKLIST, CONSTRUCTION SCHEDULE, CONSTRUCTION CLOSE-OUT LIST & TOWER HEIGHT VERIFICATION.
- CONTRACTOR IS RESPONSIBLE FOR CONCRETE COMPRESSION TESTING.
- CONTRACTOR IS RESPONSIBLE FOR GROUND MEG TESTING.



**SBA**

SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
PHONE: 1-800-487-7483



**TERRA**  
CONSTRUCTION GROUP, LTD.

600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

REVISIONS		DATE	DESCRIPTION
NO.	1.	02/25/15	ISSUED FOR REVIEW
	2.	02/27/15	REVISED LEASE AREA
	3.	03/11/15	UPDATE ACCESS DRIVE MATERIAL
	4.	03/25/15	UPDATE SBA LEASE AREA
		04/17/15	UPDATE PER CITY OF PEORIA COMMENTS

**SITE IL16128-B**

**PEORIA 3**

HALE AVE  
PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

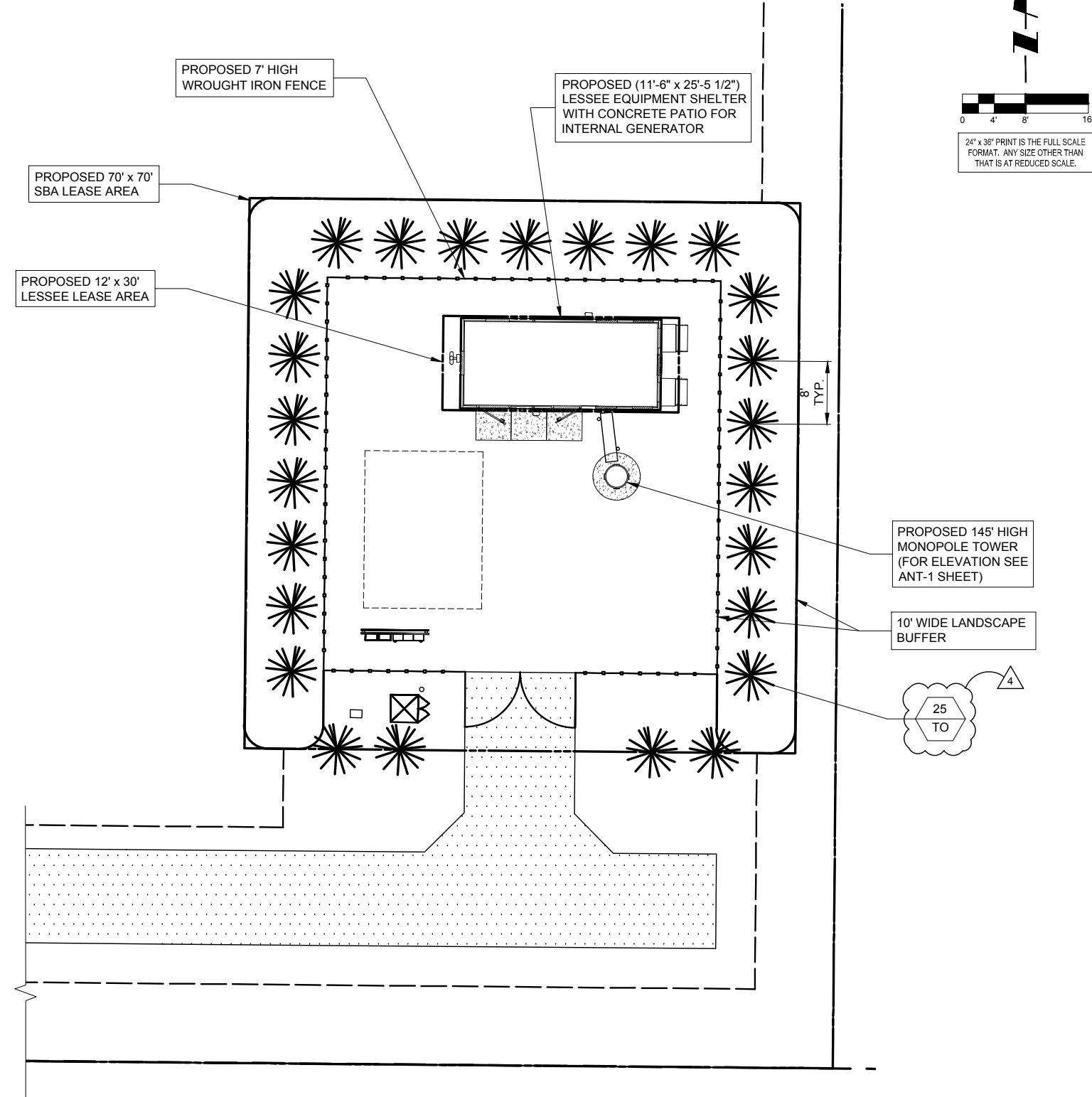
SHEET TITLE  
**GENERAL NOTES**

SHEET NUMBER  
**N-1**



# GENERAL LANDSCAPE NOTES

- PRUNE NEWLY INSTALLED SHRUBS. WORK SHALL BE DONE BY EXPERIENCED PERSONNEL TO THE ACCEPTED HORTICULTURAL AND ARBORICULTURAL STANDARDS. PRUNING SHALL RESULT IN A LOOSE OUTLINE CONFORMING TO THE GENERAL SHAPE OF THE SHRUB TYPE. DO NOT USE HEDGE SHEARS.
- ALL PLANTING STOCK SHALL BE NURSERY-GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. PLANTS SHALL BE FREE OF DISEASE, INSECTS EGGS, LARVAE AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS OR DISFIGUREMENT. THEY SHALL HAVE SOUND, HEALTHY VIGOROUS AND UNIFORM GROWTH TYPICAL OF THE SPECIES AND VARIETY, WELL-FORMED, FREE FROM IRREGULARITIES, WITH THE MINIMUM QUALITY AND SIZE CONFORMING TO AMERICAN STANDARD FOR NURSERY STOCK.
- GUARENTEE: WARRANT ALL PLANT MATERIAL TO BE TRUE TO BOTANICAL NAME AND SPECIFIED SIZE. AFTER COMPLETION OF PLANTING, ALL PLANT MATERIALS SHALL BE WARRANTED AGAINST DEFECTS, INCLUDING DEATH AND UNSATISFACTORY GROWTH FOR A WARRANTY PERIOD OF ONE YEAR. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DEFECTS RESULTING FROM NEGLECT ABUSE, DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS BEYOND THE CONTRACTORS CONTROL WHICH RESULT FROM NATURAL CAUSES SUCH AS FLOODS STORMS, FIRES OR VANDALISM. REPLACEMENTS: DURING THE WARANTY PERIOD, REPLACE ONE TIME, AT NO ADDITIONAL COST TO THE OWNER, PLANT MATERIALS THAT ARE DEAD, OR IN THE OPINION OF THE LANDSCAPE ARCHITECT, IN AN UNHEALTHY OR UNSIGHTLY CONDITION. REJECTED PLANT MATERIALS SHALL BE REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE. REPLACEMENTS ARE TO BE MADE NO LATER THAN THE SUBSEQUENT PLANTING SEASON. RESTORE AREAS DISTURBED BY REPLACEMENT OPERATIONS.
- MULCHING SHALL BE DONE WITHIN 48 HOURS AFTER PLANTING. MULCH SHRUB BEDS TO A UNIFORM DEPTH OF THREE INCHES. MULCH SHALL BE CLEAN COMPOSTED PINE BARK MULCH FREE OF FOREIGN MATERIAL AND LARGE PIECES OVER THREE INCHES LONG. DO NOT MULCH TREE AND SHRUB PLANTING PITS.
- TOPSOIL SHALL CONSIST OF FERTILE FRIABLE NATURAL LOAM, CONTAINING A LIBERAL AMOUNT OF HUMUS AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL. IT SHALL BE FREE OF ADMIXTURES OF SUBSOIL AND FREE OF CRAB GRASS, ROOTS, STICKS AND OTHER EXTRANEIOUS MATTER, AND SHALL NOT BE USED FOR PLANTING OPERATIONS WHILE IN A FROZEN OR MUDDY CONDITIONS.
- REPAIR ALL TURF AREAS BY SEEDING. SEEDING INSTALLATION SHALL BE EXECUTED ONLY AFTER ALL FINISH GRADING HAS BEEN COMPLETED. NO SEEDING WORK SHALL BE DONE PAST SEPTEMBER 15, UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. SEED: SEDD MIX SHALL MATCH EXISTING TURF, OR BE A 50/50 MIX OF CERTIFIED IMPROVED BLEND OF BLUEGRASS AND CERTIFIED IMPROVED PERENNIAL RYE. MIX SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING. SEEDING SHALL BE APPLIED AT A MINIMUM RATE OF 120 POUNDS PER ACRE. FUTERRA BLANKET, OR EQUAL, SHALL BE USED FOR EROSION CONTROL MULCH WHERE NECESSARY IN LIEU OF HYDRO MULCH.
- PLANT MATERIAL SHALL CONFORM WITH THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN FOR THAT TYPE OF TREE OR SHRUB AT THE TIME OF INSTALLATION.
- ALL TREES SHALL BE GROWN IN A NURSERY LOCATED IN THE NORTHERN HALF OF THE STATE OF ILLINOIS AND LICENSED BY THE STATE OF ILLINOIS.
- THE PLANTING SEASON SHALL BE APPROXIMATELY OCTOBER 15 TO DECEMBER 1, AND MARCH 15 TO MAY 1.



**SBA**

SBA TOWERS VI, LLC  
5900 BROKEN SOUND PKWY NW  
BOCA RATON, FL 33487  
PHONE: 1-800-487-7483

**TERRA**

600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
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NO.	DESCRIPTION	DATE
1.	ISSUED FOR REVIEW	02/25/15
2.	REVISED LEASE AREA	02/27/15
3.	UPDATE ACCESS DRIVE MATERIAL	03/11/15
4.	UPDATE SBA LEASE AREA	03/25/15
	UPDATE PER CITY OF PEORIA COMMENTS	04/17/15

**SITE IL16128-B**

**PEORIA 3**

HALE AVE  
PEORIA, IL 61614

DRAWN BY:	BTE
CHECKED BY:	TAZ
DATE:	02/25/15
PROJECT #:	7544

SHEET TITLE  
**LANDSCAPE PLAN**

SHEET NUMBER  
**L-1**

### PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	COMMENTS
TREES					
TO	THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	25	6 FT. HT. MIN.	B & B (BALLED & BURLAPPED)

3 PLANT QUANTITY  
PG PLANT SYMBOL

OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR

Call Before You Dig

**JULIE**

ILLINOIS ONE CALL SYSTEM

CALL JULIE TOLL FREE  
1(800) 892-0123  
48 HOURS BEFORE YOU DIG

**SURVEYOR'S NOTE**

THE PARENT PARCEL BOUNDARY OF THIS DRAWING IS ILLUSTRATED FROM RECORD INFORMATION AND IS APPROXIMATE. THE TOPOGRAPHICAL SURVEY FOR THIS MAP WAS PERFORMED ON JUNE 18, 2014.

**ELEVATION DATUM**

ALL ELEVATIONS ARE BASED ON NAVD 88 DATUM. CONTOURS ARE ILLUSTRATED AT 1.0' INTERVALS.

BM #1 ELEV. 795.05  
BOX CUT NW CORNER OF SW WING OF CONCRETE HEADWALL

**FLOOD PLAIN INFORMATION**

WE HAVE CONSULTED THE FEDERAL EMERGENCY MANAGEMENT AGENCY NATIONAL FLOOD INSURANCE MAP AS PREPARED FOR THE CITY OF PEORIA, PEORIA COUNTY, ILLINOIS, COMMUNITY PANEL NUMBER 170536 0005 B DATED FEBRUARY 1, 1980, AND FIND THAT THE PROJECT SITE IS IN ZONE C (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

**ZONING DATA**

ACCORDING TO THE SITE CANDIDATE INFORMATION PACKAGE THIS SITE IS ZONED: COMMERCIAL SETBACKS: FRONT: 20' REAR: 10' SIDE: 10'

**PROPRIETOR**

David S. Joseph, as Trustee under a Trust Agreement dated the 2nd day of March, 1984 and known as The Knoxville Professional Office Complex Land Trust

**BASIS OF BEARINGS**

LATITUDE AND LONGITUDE OF SITE REFERENCE POINT ARE BASED ON THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD83 (CORS 96) BEARINGS ARE BASED ON TRUE NORTH AS DETERMINED BY HARN (HIGH ACCURACY REFERENCE NETWORK) NAD83 (CORS 96)

**EASEMENTS, COVENANTS, CONDITIONS, AND RESTRICTIONS**

THE TITLE COMMITMENT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY AS COMMITMENT NO. 18682348, DATED MAY 17, 2014 LISTS THE FOLLOWING EASEMENTS, COVENANTS, CONDITIONS, AND RESTRICTIONS, THAT ARE MATTERS OF SURVEY, AFFECTING THE PARENT PARCEL UNDER SCHEDULE B:

8. Right of Way Gas in favor of Central Illinois Light Company, a Illinois corporation, set forth in instrument recorded on 01/10/1982 in Deed Book 1222, Page 398. DOES NOT AFFECT SUBJECT PROPERTY.

9. Gas Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 12/01/1981 in instrument No. 81-19478. DOES NOT AFFECT SUBJECT PROPERTY.

11. Electric Underground Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 02/25/1983 in instrument No. 83-02705. AFFECTS SUBJECT PROPERTY AS SHOWN.

12. Easement in favor of The American Telephone and Telegraph Company of Illinois, set forth in instrument recorded on 09/30/1928 in Deed Book 380, Page 648. MAY AFFECT SUBJECT PROPERTY, UNANET IN NATURE.

14. Electric Underground Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 09/15/1988 in instrument No. 88-19025. AFFECTS SUBJECT PROPERTY AS SHOWN.

16. Electric Underground Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 01/16/1990 in instrument No. 90-01062. AFFECTS SUBJECT PROPERTY AS SHOWN.

17. Ameritech General Easement in favor of Illinois Bell Telephone Company a.k.a. Ameritech Illinois, an Illinois corporation, set forth in instrument recorded on 11/12/1999 in instrument No. 99-41989. APPEARS TO AFFECT SUBJECT PROPERTY. NO DESCRIPTION OF EASEMENT. SHOWN APPROXIMATE.

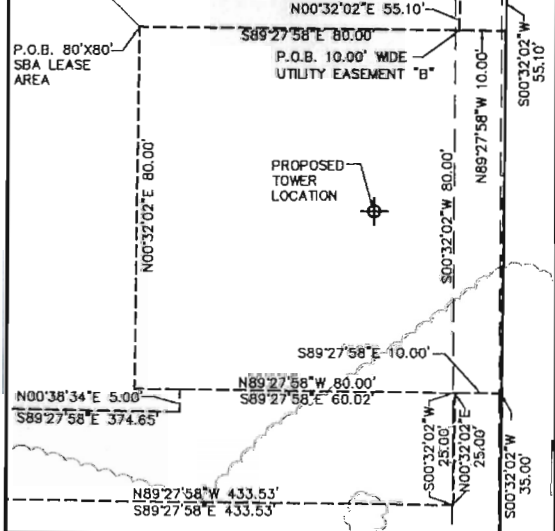
18. Electric Underground Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 02/23/2000 in instrument No. 00-05478. AFFECTS SUBJECT PROPERTY AS SHOWN.

19. Gas Easement in favor of Central Illinois Light Company, set forth in instrument recorded on 02/23/2000 in instrument No. 00-05483. DOES NOT AFFECT THE PARENT PARCEL. DOES NOT AFFECT THE PROJECT SITE.

20. Mutual Roadway Agreement dated 08/11/2000, by and between Northpoint Shopping Center, L.L.C., an Illinois limited liability company, David S. Joseph, as Trustee under a Trust Agreement dated March 02, 1984 and known as The Knoxville Professional Office Complex Land Trust, and Commerce Bank, N.A., recorded on 08/11/2000 in instrument No. 00-25490. AFFECTS THE PARENT PARCEL. DOES NOT AFFECT THE PROJECT SITE.

**LEASE AREA DETAIL**

SCALE 1"=20'



**LEGAL DESCRIPTION**

PARENT PARCEL: An interest in land, said interest being over a portion of the following described parent parcel: A part of the Northeast Quarter of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, more particularly described as follows: Commencing at the Northwest corner of the Northeast Quarter of Section 5; thence South 0 degrees 00 minutes 05 seconds East along the West line of the Northeast Quarter of said Section 5, a distance of 1100.35 feet; thence South 89 degrees 50 minutes 57 seconds East, a distance of 384.1 feet to the Southwest corner of Manley Subdivision Section One, a Subdivision of a part of the Northeast Quarter of said Section 5, thence continuing South 89 degrees 50 minutes 57 seconds East along the South line of said Manley Subdivision Section One, a distance of 300 feet to the Southeast corner of said Manley Subdivision Section One; thence continuing South 89 degrees 50 minutes 57 seconds East, a distance of 685.87 feet to a point on the existing Southwesterly Right of Way line of State Route No. 88, said point being 90 feet normally distant Southwesterly from the centerline for the proposed improvement of said State Route No. 88, thence continuing South 89 degrees 50 minutes 57 seconds East along the South line of said Manley Subdivision Section One, a distance of 138.05 feet; thence North 89 degrees 50 minutes 57 seconds East, a distance of 229 feet; thence North 89 degrees 50 minutes 57 seconds East, a distance of 405.44 feet; thence North 1 degree 08 minutes 47 seconds East, a distance of 534.44 feet; thence North 0 degrees 00 minutes 05 seconds West, a distance of 288.52 feet; thence North 89 degrees 50 minutes 57 seconds East, a distance of 478.95 feet; thence North 0 degrees 00 minutes 05 seconds West, a distance of 288.40 feet; thence North 46 degrees 15 minutes 17 seconds East, a distance of 117.98 feet; thence in a Southeasterly direction along a curve to the right having a radius of 273.25 feet for an arc distance of 221.31 feet; thence North 89 degrees 50 minutes 57 seconds East, a distance of 571.36 feet to a point being 384.1 feet Easterly of the West line of the Northeast Quarter of said Section 5; thence North 0 degrees 00 minutes 05 seconds West, a distance of 94.35 feet to the Point of Beginning; situated in the County of Peoria, in the State of Illinois. EXCEPTING THEREFROM the following described tract: A part of the Northeast Quarter of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, more particularly described as follows: Commencing at the Northwest corner of the Northeast Quarter of said Section 5; thence South 0 degrees 00 minutes 05 seconds East along the West line of the Northeast Quarter of said Section 5, a distance of 1100.35 feet; thence South 89 degrees 50 minutes 57 seconds East, a distance of 384.1 feet to the Southwest corner of Manley Subdivision Section One, a Subdivision of a part of the Northeast Quarter of said Section 5, and the Point of Beginning of the tract to be described; thence continuing South 89 degrees 50 minutes 57 seconds East along the South line of said Manley Subdivision Section One, a distance of 300 feet to a point on the West Right of Way line of Hale Avenue; thence South 0 degrees 00 minutes 05 seconds East, a distance of 1100.35 feet; thence North 0 degrees 00 minutes 05 seconds West, a distance of 288.52 feet; thence North 1 degree 08 minutes 47 seconds East, a distance of 534.44 feet; thence North 0 degrees 00 minutes 05 seconds West, a distance of 288.40 feet; thence North 46 degrees 15 minutes 17 seconds East, a distance of 117.98 feet; thence in a Southeasterly direction along a curve to the right having a radius of 273.25 feet for an arc distance of 221.31 feet; thence North 89 degrees 50 minutes 57 seconds East, a distance of 571.36 feet to a point being 384.1 feet Easterly of the West line of the Northeast Quarter of said Section 5; thence North 0 degrees 00 minutes 05 seconds West, a distance of 94.35 feet to the Point of Beginning, situated, lying and being in the County of Peoria and State of Illinois.

LESS AND EXCEPT that portion of property conveyed to Construction Equipment Federal Credit Union, a federal credit union from David S. Joseph, as Trustee of the Knoxville Professional Office Complex Land Trust under Agreement dated March 02, 1984 by Trustee's Deed dated November 24, 1987 and recorded December 02, 1987 in instrument No. 87-26015.

LESS AND EXCEPT that portion of property conveyed to Construction Equipment Federal Credit Union, a federal credit union from David S. Joseph as Trustee of the Knoxville Professional Office Complex Land Trust under Agreement dated March 02, 1984 by Trustee's Deed dated October 12, 1989 and recorded October 23, 1989 in instrument No. 89-22153.

LESS AND EXCEPT that portion of property conveyed to Northpoint Shopping Center, L.L.C. from David S. Joseph, as Trustee under a Trust Agreement dated the 2nd day of March, 1984 and known as The Knoxville Professional Office Complex Land Trust by Trustee's Deed dated March 08, 1999 and recorded March 12, 1999 in instrument No. 99-08622.

AND BEING a portion of the same property conveyed to Chicago Title and Trust Company, an Illinois corp., as Escrowee, as Escrow #4018 from Jefferson Trust and Savings Bank of Peoria, as successor trustee under Trust Agreement known as The Northpoint Land Trust Agreement dated the 1st day of September, 1978 by Trustee's Deed dated April 09, 1986 and recorded April 10, 1986 in instrument No. 86-06024; AND FURTHER CONVEYED TO David S. Joseph, as Trustee under a Trust Agreement dated the 2nd day of March, 1984 and known as The Knoxville Professional Office Complex Land Trust from Chicago Title and Trust Company, as Escrowee, as Escrow #4018, on Illinois corporation by Quit-Claim Deed dated April 09, 1986 and recorded April 10, 1986 in instrument No. 86-06025.

This map was made from the above legal description which was given to us as a complete description of the property. This map and description should be compared with the Abstract of Title or Title Policy for any easements, covenants or restrictions in description.



NORTHPOINT SHOPPING CENTER LLC  
PARCEL NO. 14-05-252-005

DAVID S. JOSEPH, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 2ND DAY OF MARCH, 1984 AND KNOWN AS THE KNOXVILLE PROFESSIONAL OFFICE COMPLEX LAND TRUST  
PARCEL NO. 14-05-278-011  
QUIT-CLAIM DEED DOC. NO. 88-06025

LATITUDE 40°47'32.21"N  
LONGITUDE 89°36'24.15"W  
GROUND ELEV. 794.4±  
PROPOSED TOWER LOCATION

PEORIA MHC LLC  
PARCEL NO. 14-05-278-009

PARCEL NO. 14-05-278-007

ITEM 17 10' WIDE UNDERGROUND ELECTRIC EASEMENT PER INSTRUMENT NO. 99-41988 (SHOWN APPROXIMATE)

ITEM 19 5.00' WIDE UNDERGROUND GAS EASEMENT INSTRUMENT NO. 00-05483

ITEM 18 10' WIDE UNDERGROUND ELECTRIC EASEMENT PER INSTRUMENT NO. 90-01062

CEFCU  
PARCEL NO. 14-05-278-008

ITEM 20 MUTUAL ROADWAY AGREEMENT INSTRUMENT NO. 00-25490.

ITEM 16 10' WIDE UNDERGROUND ELECTRIC EASEMENT PER INSTRUMENT NO. 00-25490.

ITEM 14 10' WIDE UNDERGROUND ELECTRIC EASEMENT PER INSTRUMENT NO. 88-19025  
COMMERCE BANK  
PARCEL NO. 14-05-278-014

**LEGAL DESCRIPTION**

PROPOSED 80'x80' SBA LEASE AREA: All that part of the Northeast 1/4 of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, City of Peoria, Peoria County, Illinois, described as: Commencing at the Southwest corner of Lot A, Northpoint Phase One Subdivision, as recorded in Instrument No., 20006024569, Peoria County Recorder's Office; thence North 45°21'54" East 296.81 feet along the Southeasterly line of said Lot A; thence South 44°38'06" East 226.39 feet TO THE PLACE OF BEGINNING OF THIS DESCRIPTION; thence South 89°27'58" East 80.00 feet; thence South 00°32'02" West 80.00 feet; thence North 89°27'58" West 80.00 feet; thence North 00°32'02" East 80.00 feet to the place of beginning of this description, containing 6,400 square feet or 0.14 acres more or less.

**LEGAL DESCRIPTION**

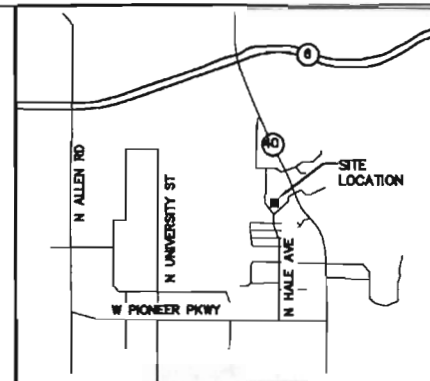
PROPOSED 20.00' WIDE ACCESS & UTILITY EASEMENT: A 20.00 foot wide easement for access and utilities in that part of the Northeast 1/4 of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, City of Peoria, Peoria County, Illinois, described as: Commencing at the Southwest corner of Lot A, Northpoint Phase One Subdivision, as recorded in Instrument No., 20006024569, Peoria County Recorder's Office; thence Southerly 34.63 feet along the easterly right of way line of Hale Avenue (60 feet wide), along a 332.65 foot radius to the right, the chord of which bears South 07°45'36" East 34.62 feet FOR THE PLACE OF BEGINNING OF THIS DESCRIPTION; thence South 89°27'58" East 374.65 feet; thence North 00°38'34" East 5.00 feet to the South line of an 80'x80' lease area; thence South 89°27'58" East 60.02 feet along said South line; thence South 00°32'02" West 25.00 feet; thence North 89°27'58" West 433.53 feet to the easterly right of way line of Hale Avenue (60 feet wide); thence Northerly 20.04 feet along a 332.65 foot curve to the left, the chord of which bears North 02°44'46" West 20.03 feet to the place of beginning of this description, containing 8,980.9 square feet or 0.20 acres more or less.

**LEGAL DESCRIPTION**

PROPOSED 10.00 FOOT WIDE UTILITY EASEMENT "A": A 10.00 foot wide easement for utilities in that part of the Northeast 1/4 of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, City of Peoria, Peoria County, Illinois, described as: Commencing at the Southwest corner of Lot A, Northpoint Phase One Subdivision, as recorded in Instrument No., 20006024569, Peoria County Recorder's Office; thence Southerly 54.65 feet along the easterly right of way line of Hale Avenue (60 feet wide), along a 332.65 foot curve to the right, the chord of which bears South 05°55'44" East 54.60 feet FOR THE PLACE OF BEGINNING OF THIS DESCRIPTION; thence South 89°27'58" East 433.53 feet; thence North 00°32'02" East 25.00 feet; thence South 89°27'58" East 10.00 feet; thence South 00°32'02" West 35.00 feet; thence North 89°27'58" West 443.38 feet to the easterly right of way line of Hale Avenue (60 feet wide); thence Northerly 10.00 feet along a 332.65 foot radius curve to the left, the chord of which bears North 00°19'06" West 10.00 feet to the place of beginning of this description, containing 4,684.3 square feet or 0.11 acres more or less.

**LEGAL DESCRIPTION**

PROPOSED 10.00 FOOT WIDE UTILITY EASEMENT "B": A 10.00 foot wide easement for utilities in that part of the Northeast 1/4 of Section 5, Township 9 North, Range 8 East of the Fourth Principal Meridian, City of Peoria, Peoria County, Illinois, described as: Commencing at the Southwest corner of Lot A, Northpoint Phase One Subdivision, as recorded in Instrument No., 20006024569, Peoria County Recorder's Office; thence North 45°21'54" East 296.81 feet along the Southeasterly line of said Lot A; thence South 44°38'06" East 226.39 feet; thence South 89°27'58" East 70.00 feet TO THE PLACE OF BEGINNING OF THIS DESCRIPTION; thence North 00°32'02" East 55.10 feet; thence South 89°27'58" East 10.00 feet; thence South 00°32'02" West 55.10 feet to the Northeast corner of an 80'x80' lease area; thence North 89°27'58" West 10.00 feet to the place of beginning of this description, containing 551.0 square feet or 0.01 acres more or less.



**LOCATION MAP**  
N.T.S.

**LEGEND**

- ▲ - TRAVERSE POINT
- - WELL
- - HIGHWAY
- - MONUMENT
- - MONUMENT BOX
- - RIGHT OF WAY MARKER
- - SET WOODSTAKE
- ✂ - XOUT
- - PK NAIL
- - FOUND IRON STAKE
- - SET IRON STAKE
- - SIGN
- - RR SIGN
- - GUY POLE
- - GUY ANCHOR
- - UTILITY POLE
- - LIGHT POLE
- - ORNAMENTAL LIGHT POLE
- - POST
- - U.G. UTILITY MARKER
- - MAIL BORING
- - SOIL BORING
- - SATELLITE DISH
- - HAND HOLE
- - AC UNIT
- - U.G. UTILITY MARKER
- - FIRE HYDRANT
- - POST INDICATOR VALVE
- - WATER VALVE
- - UST FILL PORT
- - GAS PUMP
- - GAS METER
- - WATER METER
- - TELEPHONE RISER
- - ELECTRIC RISER
- - CABLE TV RISER
- - GATE BASIN
- - ROUND CATCH BASIN
- - UTILITY MANHOLE
- - STORM MANHOLE
- - SANITARY MANHOLE
- - ELECTRIC MANHOLE
- - TELEPHONE MANHOLE
- - WATER MANHOLE
- - HANDICAP PARKING SPACE
- - EXISTING CONTOURS
- - TELEPHONE UTILITY LINE
- - ELECTRIC UTILITY LINE
- - WATER UTILITY LINE
- - GAS UTILITY LINE
- - STREAM UTILITY LINE
- - STORM UTILITY LINE
- - SANITARY UTILITY LINE
- - ELECTRIC UTILITY LINE
- - FIBER OPTIC UTILITY LINE
- - OVERHEAD UTILITY LINE
- - FENCE LINE
- - GUARD RAIL

All utilities as shown are approximate locations derived from actual measurements and available records. They should not be interpreted to the exact location nor should it be assumed that they are the only utilities in the area.

I hereby certify to SBA Towers V, LLC, a Florida Limited Liability Company, and Fidelity National Title Insurance, the following:

This surveyor has received and reviewed that certain Title Commitment No. 18682348 issued with an effective date of May 7, 2014, which proposes to insure the lands described under its Schedule A.

This surveyor knows of his own knowledge that the lands described under said Schedule A of the Title Commitment contain or include the lands described in and depicted on this survey.

This surveyor further knows of his own knowledge that the easements of record and identified under Schedule B-2 of said Title Commitment encumber the lands described on this survey, but said easements will not interfere with the location of the proposed insured lands, including the lease area and any and all access, utility and guy wire easement parcels.

All dimensions shown are in feet and decimal parts thereof.

Given under my hand and seal this 3rd day of March, 2015.

*Randy J. Kolehose*  
Illinois Professional Land Surveyor No. 2986  
Expires November 30, 2016

Note: This certification only applies to improvements within the lease site and easements as monumented shown hereon.

ILLINOIS REGISTERED DESIGN FIRM  
LICENSE NUMBER 184.007034  
LICENSE EXPIRES: APRIL 30, 2015

**SBA**  
SBA Towers V, LLC  
5900 Broken Sound Parkway NW  
Boca Raton, Florida 33487

**IL16128-B  
PEORIA 3**

Survey Prepared for:  
**TERRA**  
600 Blues Highway  
Park Ridge, IL 60068  
Phone: 847/646-6400  
Fax: 847/986-8401  
Project Manager: Tom Zimmermann

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDED ITEM 18 & REVISED OWNER INFORMATION	11/25/14
2	REVISED TOWER LOCATION, LEASE AREA, ACCESS & UTILITY	02/26/15
3	REVISED LEASE AREA, ACCESS & UTILITY EASEMENTS	03/02/15

**Williams & Works**  
PROFESSIONAL LAND SURVEYOR  
RANDY J. KOLEHOUSE  
2986  
STATE OF ILLINOIS  
MICHIGAN

DATE: 06/17/14 DWG. BY: W.B.M.  
SCALE: 1"=40' SURVEYED: D.S./A.S.  
UPDATE: WBM030215 CHKD BY: R.J.K.  
PROJECT NO.: 206130.096

SITE NAME: \_\_\_\_\_  
SITE NUMBER: \_\_\_\_\_  
SITE ADDRESS: \_\_\_\_\_

**PEORIA 3**  
TAX PARCEL ID  
14-05-278-011 OFF

SHEET TITLE: \_\_\_\_\_  
SHEET NUMBER: \_\_\_\_\_

SITE SURVEY  
SHEET NUMBER: \_\_\_\_\_

SHEET NUMBER: \_\_\_\_\_

**SS-1**