



SBA TOWERS IX LLC,
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

SITE NAME
AZ6 BARATARIA

SITE I.D.
AZ17744

E911 ADDRESS
E. FORD RULE ROAD
SIERRA VISTA, AZ

PROJECT TYPE
PROPOSED 150' SELF-SUPPORT TOWER

CONSULTING TEAM

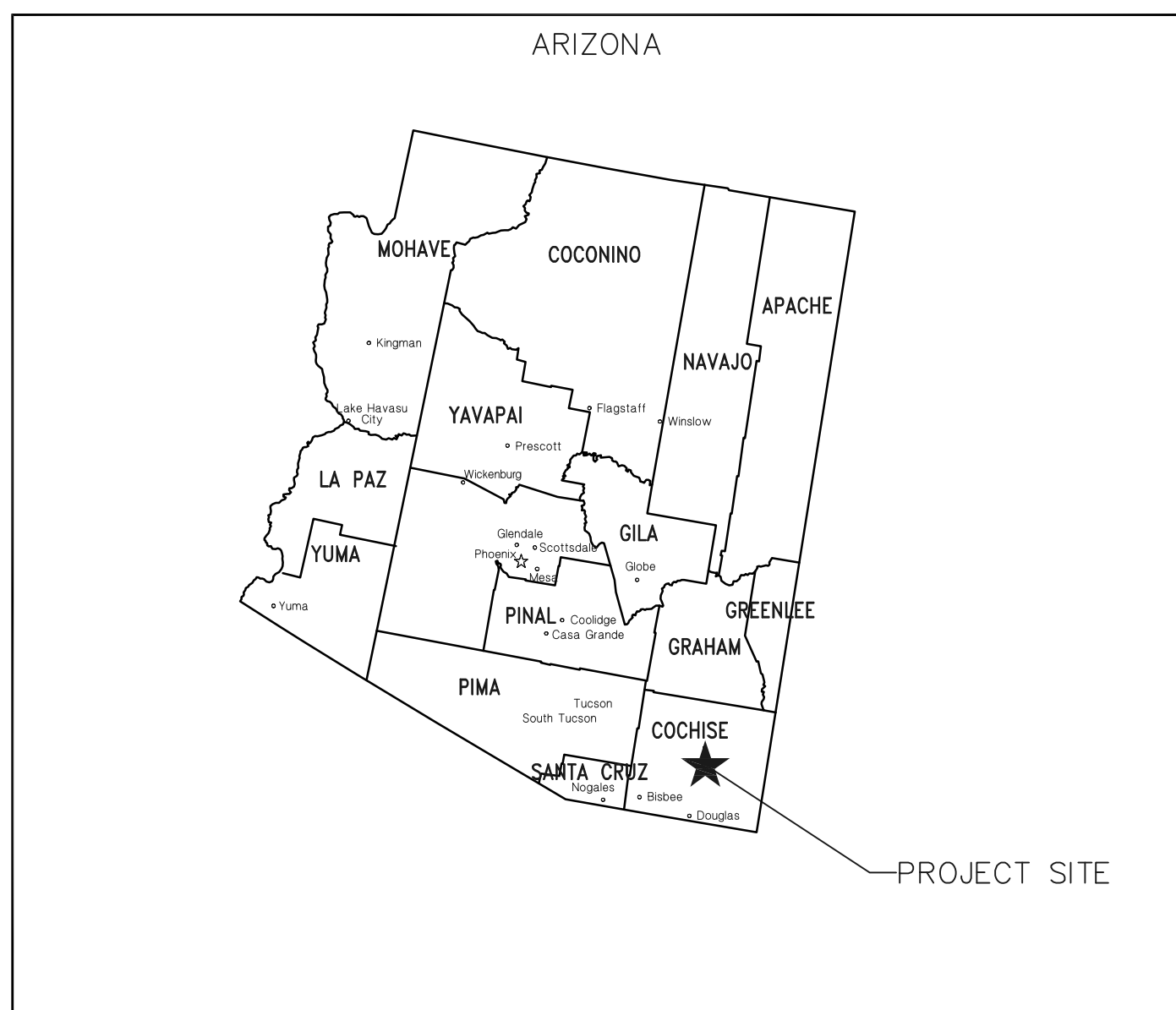
A&E MANAGEMENT PROFESSIONAL:
SIINO DESIGN, LLC
16747 EAST PARKVIEW AVE., SUITE #1
FOUNTAIN HILLS, ARIZONA 85268
CONTACT: CHRISTOPHER M. SIINO, MBA, MSTL, PMP, MCP
PHONE: (480) 836-1701 FAX: (480) 836-1004

SURVEYING FIRM:
WESTERN GEOMATICS SERVICES
2925 E RIGGS RD SUITE 8-191
CHANDLER, AZ 85249
OFFICE: (480) 656-7912 FAX: (480) 219-5195

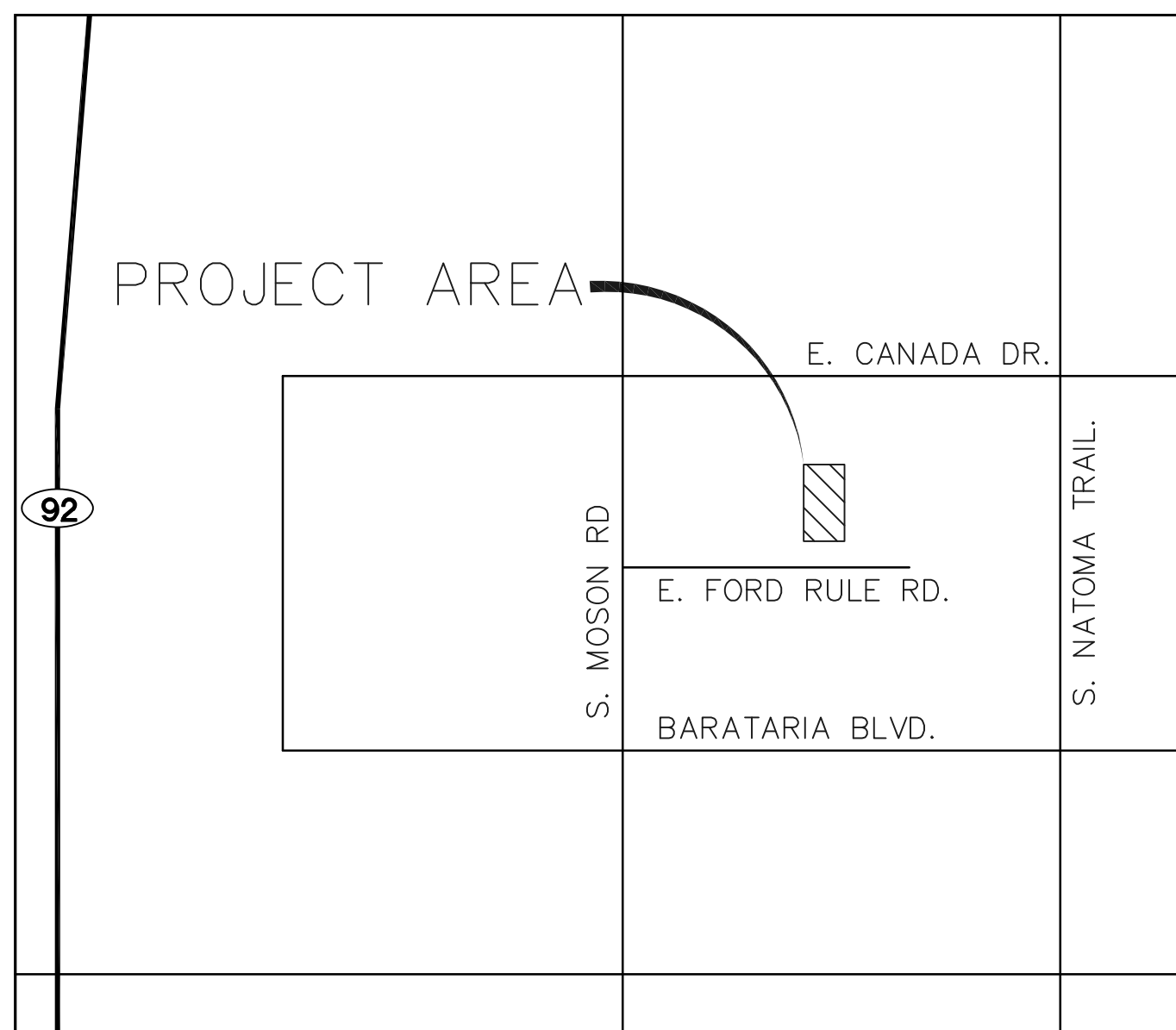
CIVIL ENGINEER:
PNP ENGINEERING INC.
CONTACT: YONG-JOONG KANG, PE
PHONE: (949) 351-5020

ELECTRICAL ENGINEER:
JOYNGO, LLC
CONTACT: TIM ALEXANDER, PE
MOBILE: (602) 403-8368

VICINITY MAP



REGIONAL MAP



PROJECT INFORMATION

SITE NAME:	AZ6 BARATARIA
SITE ADDRESS:	E. FORD RULE ROAD SIERRA VISTA, AZ
JURISDICTION:	CONCHISE COUNTY
COUNTY:	CONCHISE
ZONING:	RU-4
PROPERTY OWNER:	LARRY STANLEY PO BOX 86 HEREFORD, AZ 85615 CONTACT: (520) 508-0536
APPLICANT:	SBA TOWERS IX LLC, A DELAWARE L.L.C. 8051 CONGRESS AVENUE BOCA RATON, FL 33487 PHONE: 1-800-487-7483
SAQ:	CONTACT: DEIRDRE RANSAVAGE PHONE: (702) 308-4622
SITE COORDINATES:	2C/1A
LATITUDE:	31° 29' 09.33" N (NAD 83)
LONGITUDE:	110° 11' 19.84" W (NAD 83)
ELEVATION:	±4,366.7' (AMSL) (NAVD 88)
OCCUPANCY:	UNMANNED
CONSTRUCTION TYPE:	RAW LAND

SHEET INDEX

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C-2	ENLARGED SITE PLAN
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C-4	ELEVATION
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C-6	CONSTRUCTION DETAILS
C-7	CONSTRUCTION DETAILS
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E-2	ENLARGED POWER PLAN
E-3	UTILITY DETAILS
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EG-1	GROUNDING PLAN & NOTES
EG-2	GROUNDING DETAILS
GN-1	GENERAL NOTES
LS-1	SITE SURVEY

PROJECT DESCRIPTION

INSTALLATION OF NEW 150' SELF-SUPPORT TOWER WITH ANTENNA ARRAYS AND AN OUTDOOR EQUIPMENT CABINET WITHIN A 50'x50' CHAIN LINK FENCE COMPOUND.

DRIVING DIRECTIONS

FROM LOCAL CITY OR NEAREST MAJOR HIGHWAY INTERSECTION:
DEPART FROM SIERRA VISTA MUNICIPAL AIRPORT: TAKE AZ-90 S AND CONTINUE TO TRAVEL ABOUT APPROXIMATELY 10 MILES. TURN RIGHT ONTO S MOSON RD. TURN LEFT ONTO E. FORD RULE RD. SITE WILL BE ON THE LEFT SIDE OF THE ROAD.

ACCESS DISCLAIMER

THE NEW PROJECT IS AN UNOCCUPIED TELECOM FACILITY AND IS NOT TO BE ACCESSED BY THE GENERAL PUBLIC. THIS FACILITY IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS PER IBC 1103.2.9 LISTED AS AN EQUIPMENT SPACE.

SPECIAL INSPECTIONS REQUIRED

DRILLED CAISSON:	YES (PERIODIC)
CONCRETE REINFORCING:	YES (CONTINUOUS)
BOLTS IN CONCRETE:	YES (CONTINUOUS)
MASONRY CONSTRUCTION:	N/A
STEEL CONSTRUCTION:	N/A

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2012 INTERNATIONAL BUILDING CODE (IBC)
- 2011 NATIONAL ELECTRICAL CODE (NEC)
- ANSI/EIA-222-G STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES & ANTENNAS

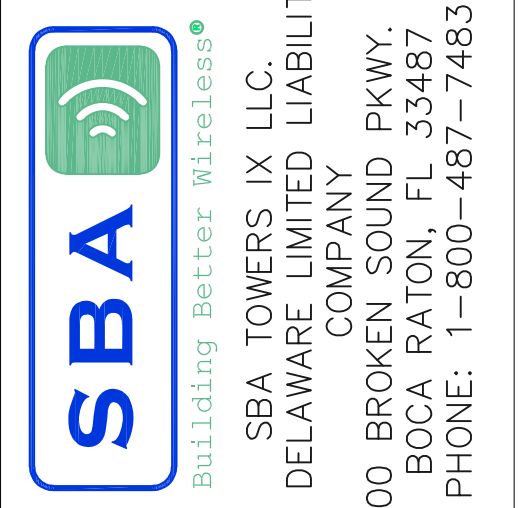
BLUE STAKE!

Two working days before you dig,
CALL FOR THE BLUE STAKE!

1 (602) 263-1100 or
1 (800) STAKE-IT (782-5348)
(OUTSIDE MARICOPA COUNTY)

UTILITY CONTACT INFORMATION

POWER COMPANY:	TELEPHONE COMPANY:
TBD	TBD



SiinoDesign
16747 EAST PARKVIEW AVE., SUITE #1
FOUNTAIN HILLS, ARIZONA 85268
PHONE: (480) 836-1701
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DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
TITLE SHEET

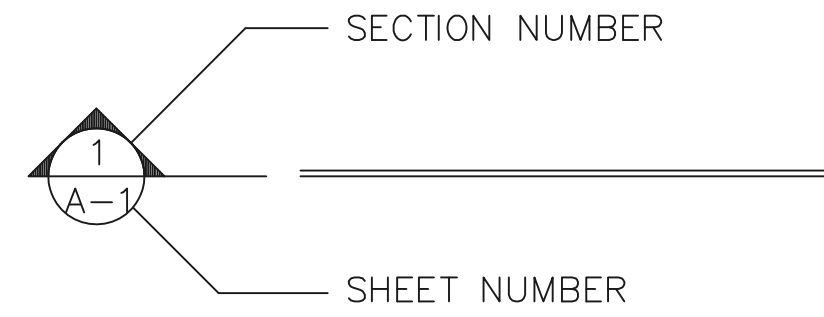
SHEET NO.
T-1

ABBREVIATIONS

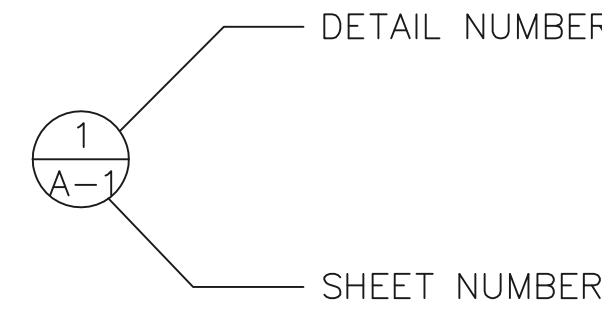
AB ANCHOR BOLT	GR GRADE	SIM SIMILAR
AC ASPHALTIC CONCRETE	GYP GYPSUM	SPECS SPECIFICATIONS
A/C AIR CONDITIONING	GFCI GROUND FAULT CIRCUIT	SS STAINLESS STEEL
ADJ ADJUSTABLE	INTERRUPT	STL STEEL
A.F.F. ABOVE FINISH FLOOR	GND GROUND	STOR STORAGE
ARCH ARCHITECTURAL	HC HOLLOW CORE	STRUCT STRUCTURAL
APPROX APPROXIMATELY	HDW HARDWARE	SUSP SUSPENDED
A.G.L. ABOVE GRADE LEVEL	HTR HEATER	SW SWITCH
A.M.S.L. ABOVE MEAN SEA LEVEL	HM HOLLOW METAL	SWBO SWITCHBOARD
BD BOARD	HORIZ HORIZONTAL	THK THICK
BLDG BUILDING	HR HOUR	TI TENANT IMPROVEMENT
BLKG BLOCKING	HT HEIGHT	TMA TOWER MOUNTED AMPLIFIER
BOT BOTTOM	HV HIGH VOLTAGE	TOS TOP OF SURFACE
BSMT BASEMENT	ID INSIDE DIMENSION	TS TUBE STEEL
BTS BASE TRANSCIVER	INS INSULATION	TYP TYPICAL
	INT INTERIOR	U UNDERGROUND
C COURSE(S)	JT JOINT	UNO UNLESS NOTED
CEM CEMENT	LAM LAMINATED	OTHERWISE
CL CHAIN LINK	LBS POUNDS	VCT VINYL
CLG CEILING	LT LIGHT	COMPOSITION
CLR CLEAR	LA LIGHTNING ARRESTOR	TILE
COL COLUMN	LNA LOW NOISE AMPLIFIER	VERT VERTICAL
CONC CONCRETE	MFR MANUFACTURER	V.I.F. VERIFY IN FIELD
CONST CONSTRUCTION	MAT MATERIAL	VG VERTICAL GRAIN
CONT CONTINUOUS	MAX MAXIMUM	W/ WITH
CORR CORRIDOR	MECH MECHANICAL	WD WOOD
CO CONDUIT ONLY	MIN MINIMUM	WR WATER RESISTANT
DIA DIAMETER	MISC MISCELLANEOUS	WT WEIGHT
DBL DOUBLE	ML METAL LATH	XFMR TRANSFORMER
DEPT DEPARTMENT	MO MASONRY OPENING	@ AT
DEMO DEMOLITION	MS MACHINE SCREW	[CHANNEL
DIM DIMENSION	MTD MOUNTED	⊕ CENTERLINE
DN DOWN	MTL METAL	∠ ANGLE
DR DOOR	(N) NEW	⊞ PROPERTY LINE
DTL DETAIL	NIC NOT IN CONTRACT	
DWG DRAWING	NO NUMBER	
(E) EXISTING	NTS NOT TO SCALE	
EA EACH	O OVERHEAD	
ELEC ELECTRIC	OA OVERALL	
ELEV ELEVATION	O.C. ON CENTER	
EQUIP EQUIPMENT	OPNG OPENING	
EXP EXPANSION	OPP OPPOSITE	
EXT EXTERIOR	PARTN PARTITION	
FA FIRE ALARM	PL PLATE	
FB FLAT BAR	PLAS PLASTER	
FF FINISH FLOOR	PLYWD PLYWOOD	
FH FLAT HEAD	POC POINT OF CONNECTION	
FIN FINISH(ED)	PROP PROPERTY	
FLR FLOOR	PT PRESSURE TREATED	
FOS FACE OF STUDS	R RISER	
FS FINISH SURFACE	REQD REQUIRED	
FT FOOT, FEET	RD ROOF DRAIN	
FTG FOOTING	RM ROOM	
FW FINISH WALL	RMS ROOMS	
F.G. FINISH GRADE	RO ROUGH OPENING	
FUT FUTURE	SC SOLID CORE	
GA GAUGE	SCHED SCHEDULE	
GALV GALVANIZED	SECT SECTION	
GL GLASS	SHT SHEET	



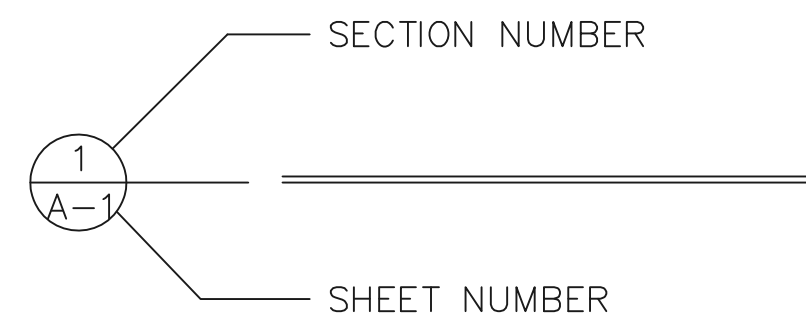
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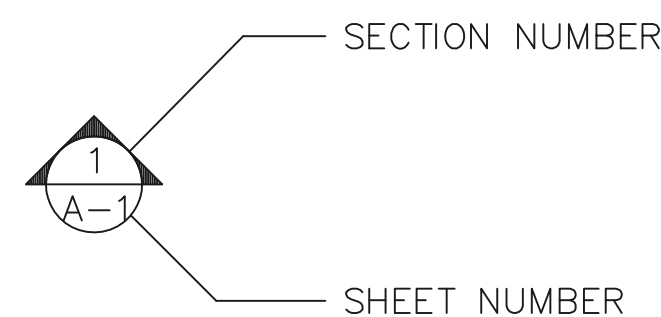
BUILDING SECTION REFERENCE



DETAIL REFERENCE



DETAIL SECTION REFERENCE



ELEVATION VIEW REFERENCE

- KEY NOTE REFERENCE
- DOOR NUMBER
- AREA AND/OR ROOM NUMBER
- MECHANICAL UNIT
- UTILITY POLE
- WORK POINT
- REVISION OR CONTROL POINT
- (REFERENCE POINT) ELEVATION REFERENCE
- (ELEVATION)

- MASONRY
- BRICK
- CONCRETE
- EARTH
- STEEL
- GRAVEL
- CENTER LINE
- PROPERTY LINE
- LEASE LINE
- EASEMENT LINE
- RIGHT-OF-WAY
- X-X- CHAIN LINK FENCE
- WOOD FENCE
- S- SILT FENCE
- UE--- BELOW GRADE ELECTRIC
- UT--- BELOW GRADE TELEPHONE
- OH- OVERHEAD ELECTRIC/TELEPHONE
- UT- OVERHEAD TELEPHONE
- UE- OVERHEAD ELECTRIC
- 276- CONTOUR
- TREE PROTECTION FENCE
- ~~~~~ TREE LINE
- TREES, SHRUBS, BUSHES
- SAN- SANITARY SEWER LINE
- WL- WATER LINE
- NG- NATURAL GAS LINE
- ~~~~~ WATER FLOW DIRECTION

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PE SEAL:

REVISIONS	DATE	DESCRIPTION	PRELIM. CD	CHANGED ACCESS	EASEMENT	UPDATED PER LAST SLF	UPDATED OWNER'S ADDRESS	UPDATED EASEMENT
A	01/08/18							
B	01/18/18							
C	01/30/18							
D	03/16/18							
E	03/20/18							

SITE I.D.: **AZ17744**

SITE NAME:
AZ6 BARATARIA

SITE ADDRESS:
**E. FORD RULE ROAD
SIERRA VISTA, AZ**

DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:

ABBREVIATIONS
& SYMBOLS

SHEET NO.

T-2

OVERALL SITE PLAN KEYED NOTES: #

- EXISTING UTILITY POLE (TYP.)
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING VACANT LAND
- EXISTING DIRT ROAD
- EXISTING ACCESS EASEMENT

NEW SITE PLAN KEYED NOTE: #

- NEW 22'-0" WIDE SBA EXCLUSIVE ACCESS & UTILITY EASEMENT
- NEW SBA FIBER MEET POINT, FINAL LOCATION TO BE DETERMINED
- NEW SBA 50'X50' LEASE AREA & CHAIN LINK FENCE
- NEW UTILITY POLE WITH POLE MOUNTED TRANSFORMER BY SSVCC
- NEW 3"Ø U.G. CONDUIT FOR POWER RUN FROM NEW TRANSFORMER TO NEW METER BANK APPROX. 150'
- NEW (2) 4"Ø U.G. CONDUIT FOR FIBER RUN FROM MEET POINT TO SITE VAULT APPROX. 400'

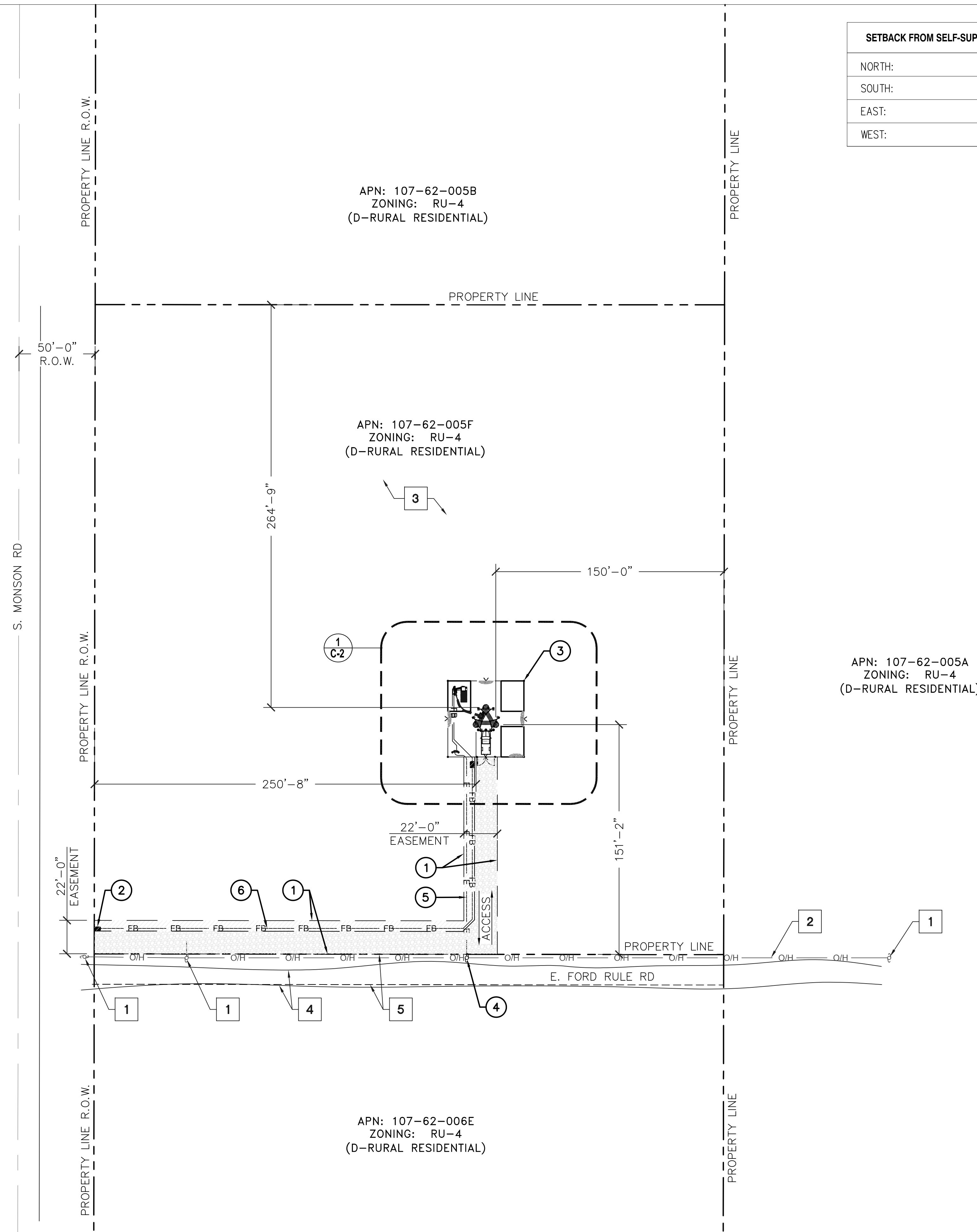
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LEGEND

BLDG	TOP OF BUILDING	STREET LIGHT
CLF	CHAIN LINK FENCE	FIRE HYDRANT
CONC	CONCRETE	POWER POLE
D/W	ACCESS DRIVEWAY	POSITION OF GEODETIC COORDINATES
FC	FACE OF CURB	SPOT ELEVATION
NG	NATURAL GRADE	WATER CONTROL VALVE
R/W	RIGHT OF WAY	GROUND ROD
TREES		GROUND BUS BAR
NEW ANTENNA		MECHANICAL GRND. CONN.
EXISTING ANTENNA		CADWELD
REVISION		GROUND ACCESS WELL
CONSTRUCTION KEYED NOTE		ELECTRIC BOX
DETAIL REFERENCE		TELEPHONE BOX
ELEVATION REFERENCE		SELF-SUPPORT TOWER
SECTION REFERENCE		GRAVEL
GROUT OR PLASTER		PLYWOOD
(E) BRICK		SAND
(E) MASONRY		WOOD CONT.
CONCRETE		WOOD BLOCKING
EARTH		STEEL
CHAIN LINK FENCE		CHAIN LINK FENCE
CURBLINES		CURBLINES
WATER LINES		WATER LINES
IRRIGATION LINES		IRRIGATION LINES
SEWER LINES		SEWER LINES
GAS LINES		GAS LINES
OVERHEAD LINES		OVERHEAD LINES
ELECTRIC LINES		ELECTRIC LINES
(E) FIBER OPTIC LINES		(E) FIBER OPTIC LINES
(N) FIBER OPTIC LINE		(N) FIBER OPTIC LINE
STREET CENTERLINES		STREET CENTERLINES
RIGHT OF WAY LINES		RIGHT OF WAY LINES
LEASE AREA LIMITS		LEASE AREA LIMITS
MAJOR CONTOUR INTERVAL		MAJOR CONTOUR INTERVAL
MINOR CONTOUR INTERVAL		MINOR CONTOUR INTERVAL

ZONING: RU-4
(D-RURAL RESIDENTIAL)



SETBACK FROM SELF-SUPPORT TOWER TO NEAREST PROPERTY LINE	
NORTH:	264'-9"
SOUTH:	151'-2"
EAST:	150'-0"
WEST:	250'-8"

SBA
Building Better Wireless

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SIERRA VISTA, AZ**

DRAWN BY: JN

CHECKED BY: YJ

DATE: 3/20/2018

PROJECT #: AZ17744-B

SHEET TITLE: **OVERALL SITE PLAN**

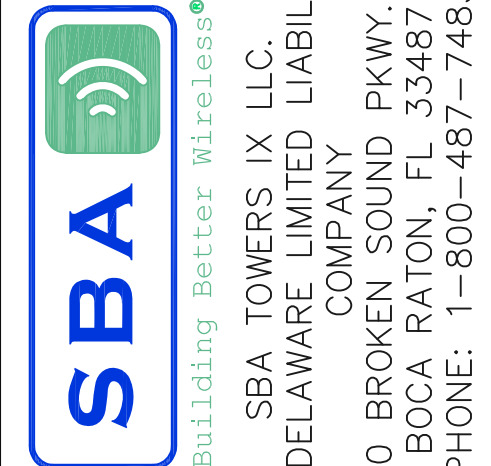
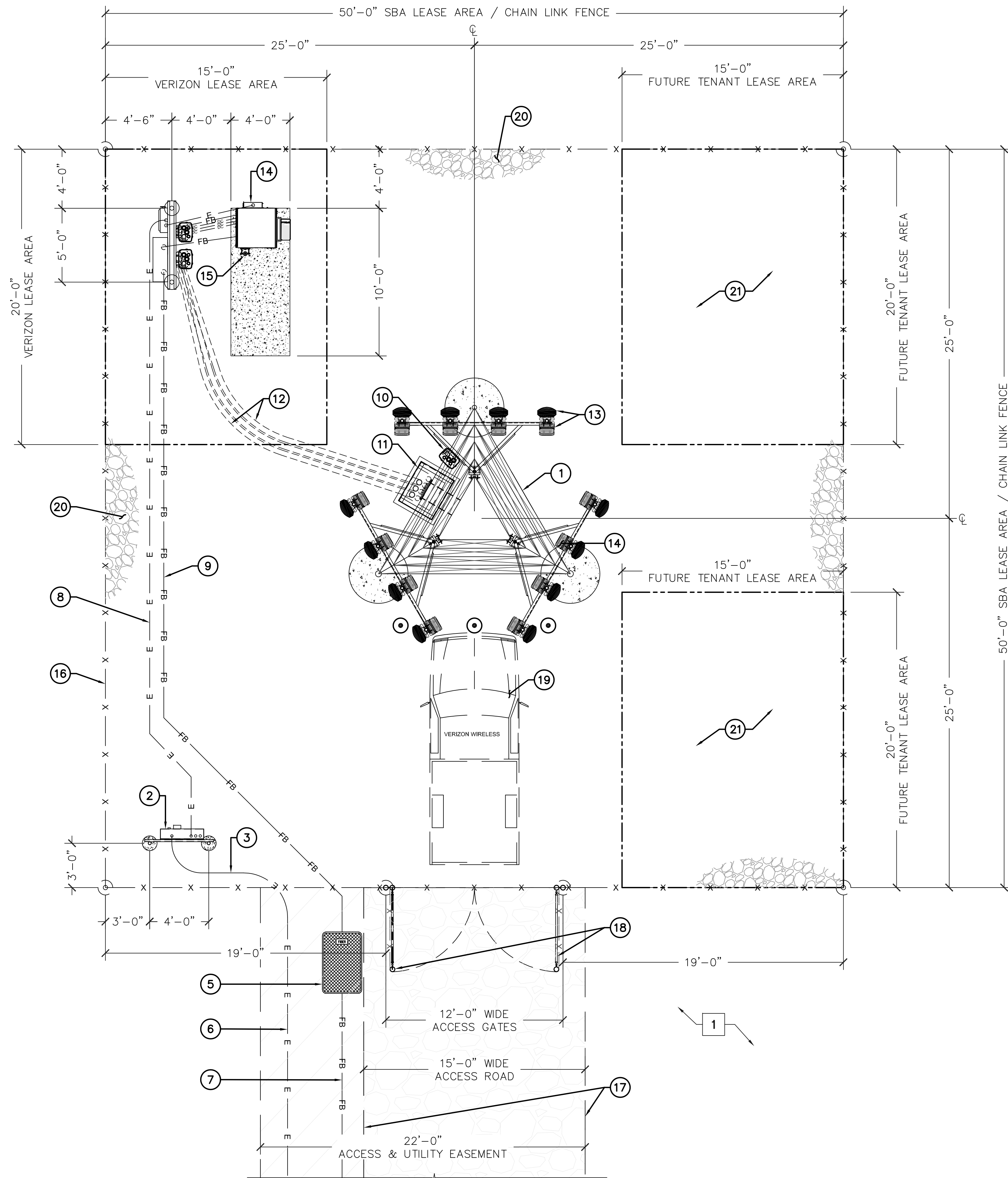
SHEET NO. **C-1**

ENLARGED SITE PLAN KEYED NOTES: #

- EXISTING VACANT LAND

ENLARGED SITE PLAN KEYED NOTES: #

- NEW SBA 150' SELF-SUPPORT TOWER, STRUCTURAL ANALYSIS BY OTHERS
- NEW METER BANK MOUNTED ON NEW H-FRAME, SEE DETAIL 4 ON SHEET E-3
- NOT USED
- NOT USED
- NEW FIBER SITE VAULT, FIELD VERIFY EXACT LOCATION & REQUIREMENTS
- NEW 3" U.G. CONDUITS FOR POWER ROUTE FROM NEW TRANSFORMER TO METER BANK APPROX. 150', SEE DETAIL 2 ON SHEET E-3.
- NEW (2) 4" U.G. CONDUITS FOR FIBER ROUTE FROM SOURCE TO SITE VAULT APPROX. 400', SEE DETAIL 1 ON SHEET E-3.
- NEW 2.5" U.G. CONDUITS FOR POWER ROUTE FROM NEW METER BANK TO NEW DISCONNECT APPROX. 45', SEE DETAIL 3 ON SHEET E-3.
- NEW 4" U.G. CONDUITS FOR FIBER ROUTE FROM FIBER SITE VAULT TO FIBER BOX APPROX. 50', SEE DETAIL 3 ON SHEET E-3.
- NEW J-BOX MOUNTED TO NEW STANDOFFS (TYP.)
- NEW DOG HOUSE AT BASE OF TOWER & (3) 4" U.G. CONDUITS FROM DOG HOUSE TO OPVs H-FRAME, SEE DETAIL 3 ON SHEET A-7
- NEW (3) 4" U.G. CONDUITS FOR HYBRID CABLE RUNS, SEE DETAIL 4 ON SHEET A-7
- NEW (4) ANTENNAS & (4) RRHs PER SECTOR, (3) SECTORS MOUNTED TO NEW STANDOFFS
- NEW CABINET MOUNTED ON NEW CONCRETE PAD, SEE DETAIL 1 ON SHEET C-7
- NEW GPS ANTENNA MOUNTED ON NEW CABINET, SEE DETAIL 6 ON SHEET C-7
- NEW 8' TALL CHAIN LINK FENCE TO MATCH EXISTING CHAIN LINK FENCE, SEE DETAIL 6 ON SHEET C-5
- NEW 15' WIDE ACCESS ROAD, SEE DETAIL 1 ON SHEET C-5
- NEW 12'-0" WIDE DOUBLE ACCESS GATES, SEE DETAIL 6 ON SHEET C-5
- NEW NON-EXCLUSIVE TECH PARKING
- NEW SITE GRAVEL (ALL COMPOUND), SEE DETAIL 2 ON SHEET C-5
- FUTURE TENANT LEASE AREA (TYP.)



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DRAWN BY: JN
 CHECKED BY: YJ
 DATE: 3/20/2018
 PROJECT #: AZ17744-B

SHEET TITLE: ENLARGED SITE PLAN

SHEET NO. C-2

NOTE:
CONTRACTOR TO VERIFY FOR FINAL RF DATA SHEETS WITH CONSTRUCTION MANAGER PRIOR TO ANY CONSTRUCTION.

NEW ANTENNA & HYBRID DC/FIBER TABLE

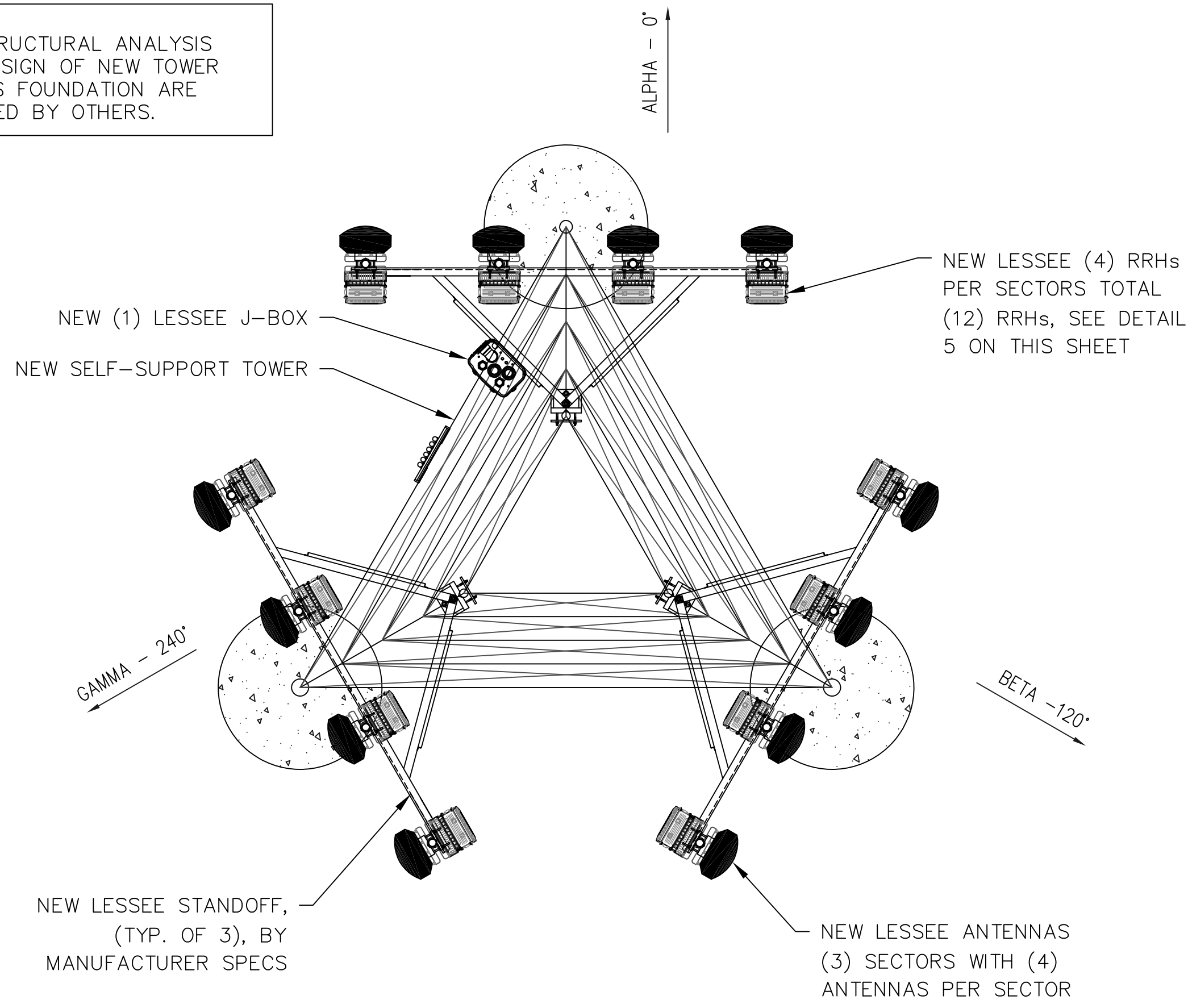
SECTOR	ANT. POSITION NO.	QTY.	RRH QTY.	AZIMUTH	DOWNTILT	CL (FT)	# OF LINE	COAX TYPE
ALPHA	1 (850)	1	1	0°	TBD°	135	0	N/A
ALPHA	2 (PCS)	1	1	0°	TBD°	135	1	RSS 6-12 HYBRID DC/FIBER
ALPHA	3 (700)	1	1	0°	TBD°	135	1	RSS 6-12 HYBRID DC/FIBER
ALPHA	4 (AWS)	1	1	0°	TBD°	135	1	RSS 6-12 HYBRID DC/FIBER
BETA	1 (850)	1	1	120°	TBD°	135	0	N/A
BETA	2 (PCS)	1	1	120°	TBD°	135	0	N/A
BETA	3 (700)	1	1	120°	TBD°	135	0	N/A
BETA	4 (AWS)	1	1	120°	TBD°	135	0	N/A
GAMMA	1 (850)	1	1	240°	TBD°	135	0	N/A
GAMMA	2 (PCS)	1	1	240°	TBD°	135	0	N/A
GAMMA	3 (700)	1	1	240°	TBD°	135	0	N/A
GAMMA	4 (AWS)	1	1	240°	TBD°	135	0	N/A

NOTES:
1. **JUNCTION BOXES:** ADD (1) JUNCTION BOXES ON TOP & (2) JUNCTION BOXES AT THE BOTTOM TOWER, OR WHATEVER IS NEEDED TO DEPLOY (12) RRHs.
2. **DC/FIBER:** ADD (2) RUNS OF RSS 6-12 HYBRID CABLE (6-12 DC/FIBER BUNDLE) TO CONNECT J-BOXES.
3. SEE DETAIL #5 FOR RRHs LOCATIONS AND SPECIFICATIONS.

1 COAXIAL CABLE TABLE

SCALE: N.T.S.

NOTE:
THE STRUCTURAL ANALYSIS AND DESIGN OF NEW TOWER AND ITS FOUNDATION ARE PROVIDED BY OTHERS.



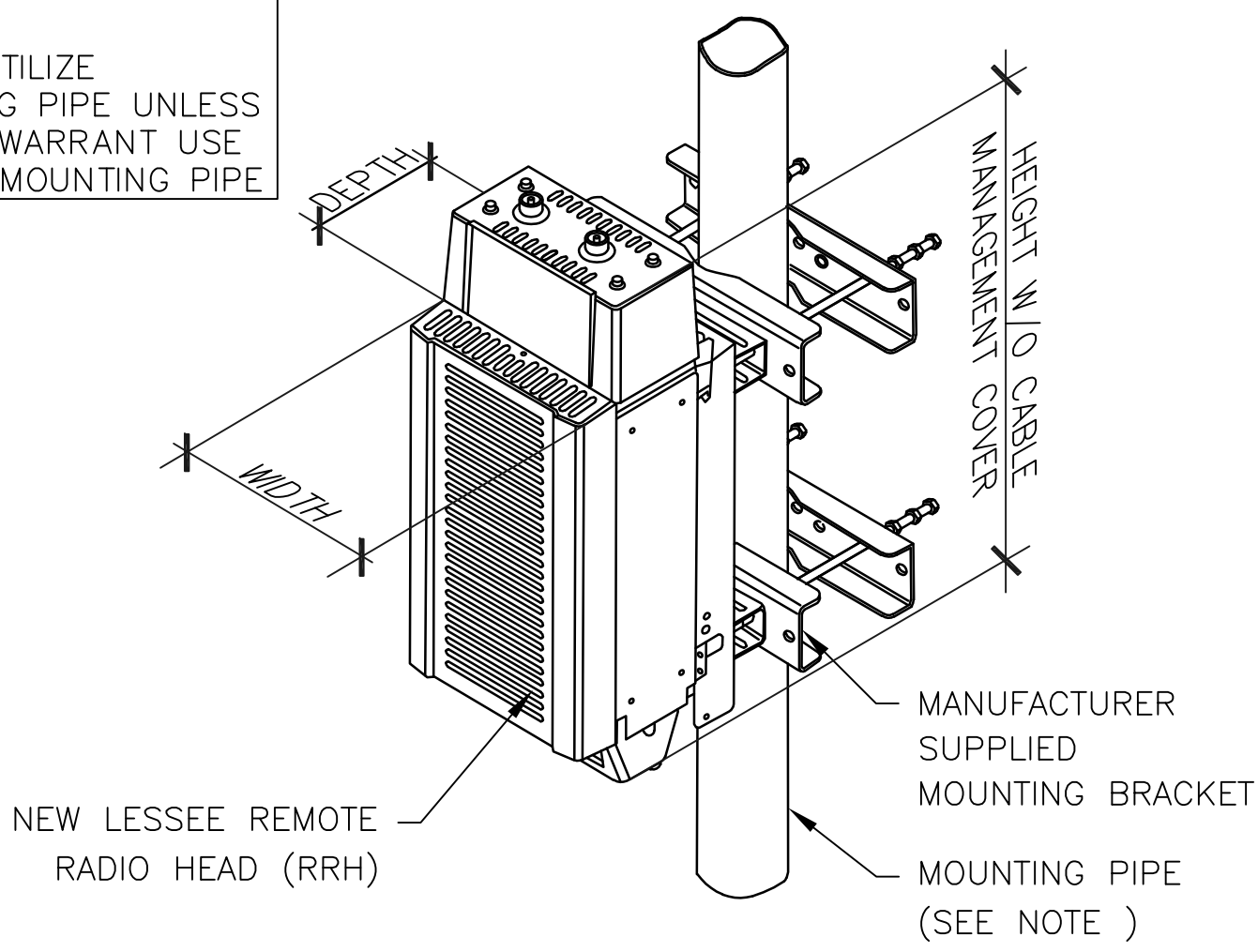
4 ANTENNA CONFIGURATION

SCALE: N.T.S.

2 ANTENNA DETAIL

SCALE: N.T.S.

NOTE:
CONTRACTOR TO UTILIZE ANTENNA MOUNTING PIPE UNLESS FIELD CONDITIONS WARRANT USE OF NEW VERTICAL MOUNTING PIPE

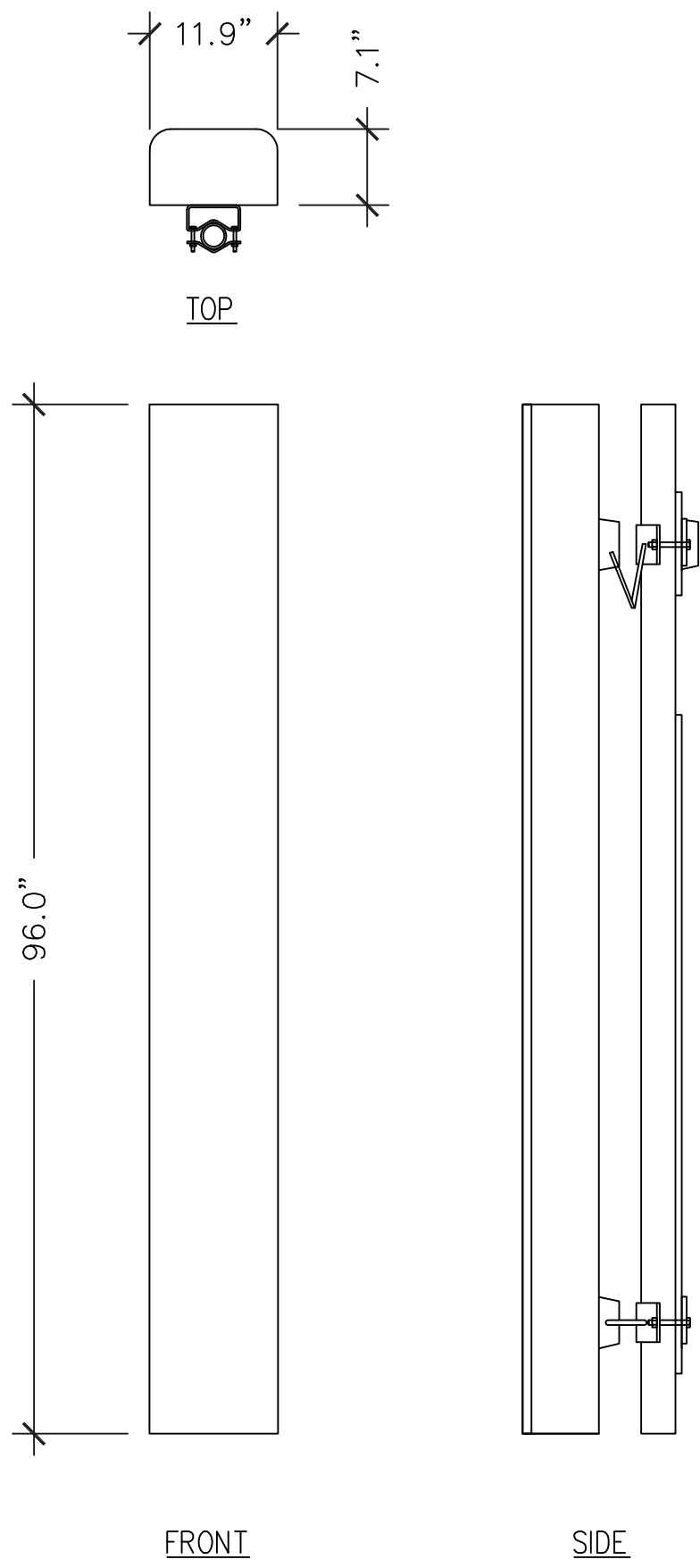


RRH SPECIFICATIONS					
POSITION	RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
1	RRH	12.75"	8.2"	16.85"	35.3 LBS. (W/O MOUNTING BRACKET)
2	RRH	12"	7.2"	21.2"	53 LBS. (W/O MOUNTING BRACKET)
3	RRH	11.8"	7.5"	20.9"	55.6 LBS. (W/O MOUNTING BRACKET)
4	RRH	11.8"	7.2"	25.8"	56.8 LBS. (W/O MOUNTING BRACKET)

RRH NOTE: DIMENSIONS INCLUDE MOUNTING BRACKET, SOLAR SHIELD AND CONNECTORS.

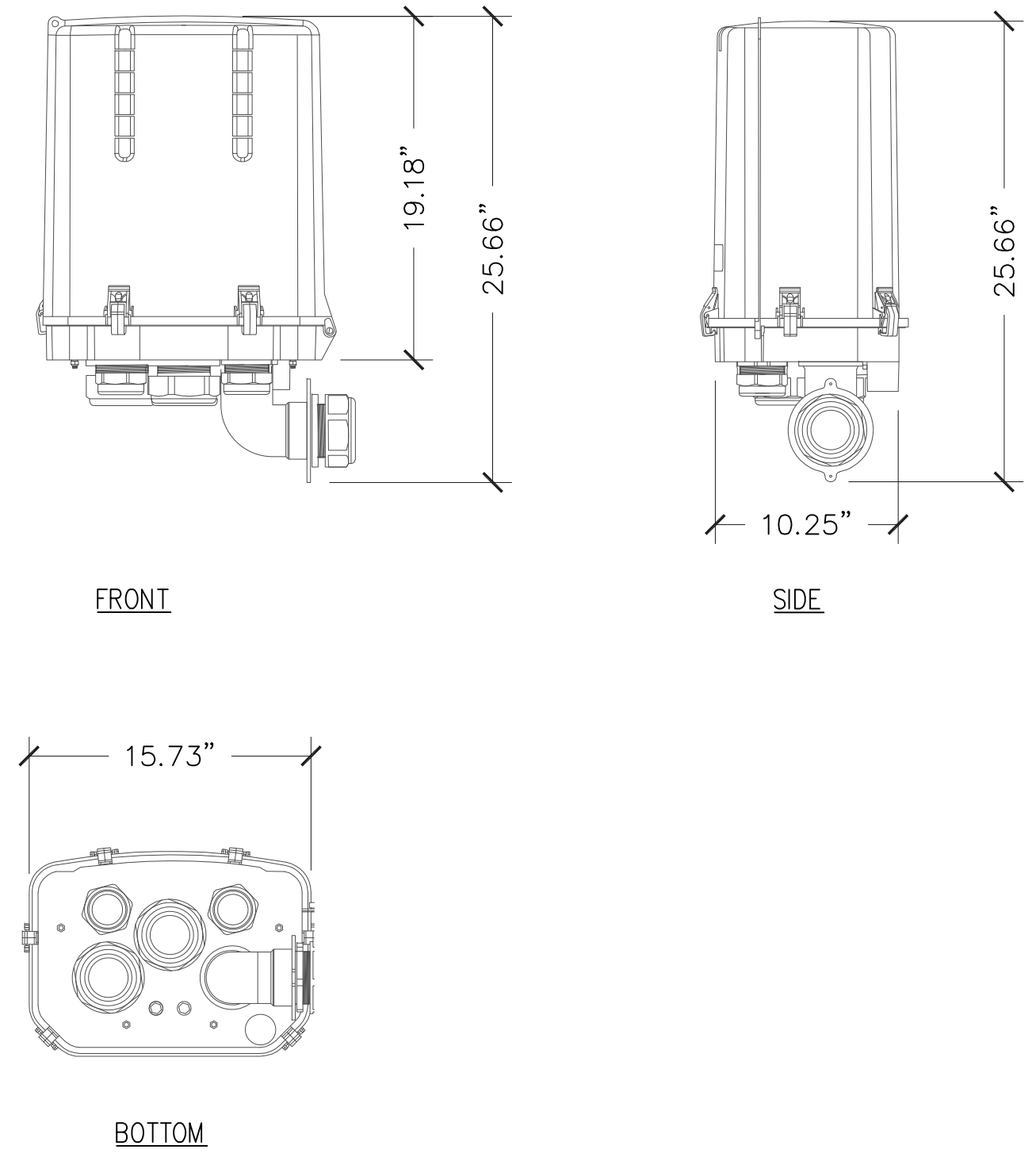
5 RRH DETAIL

SCALE: N.T.S.



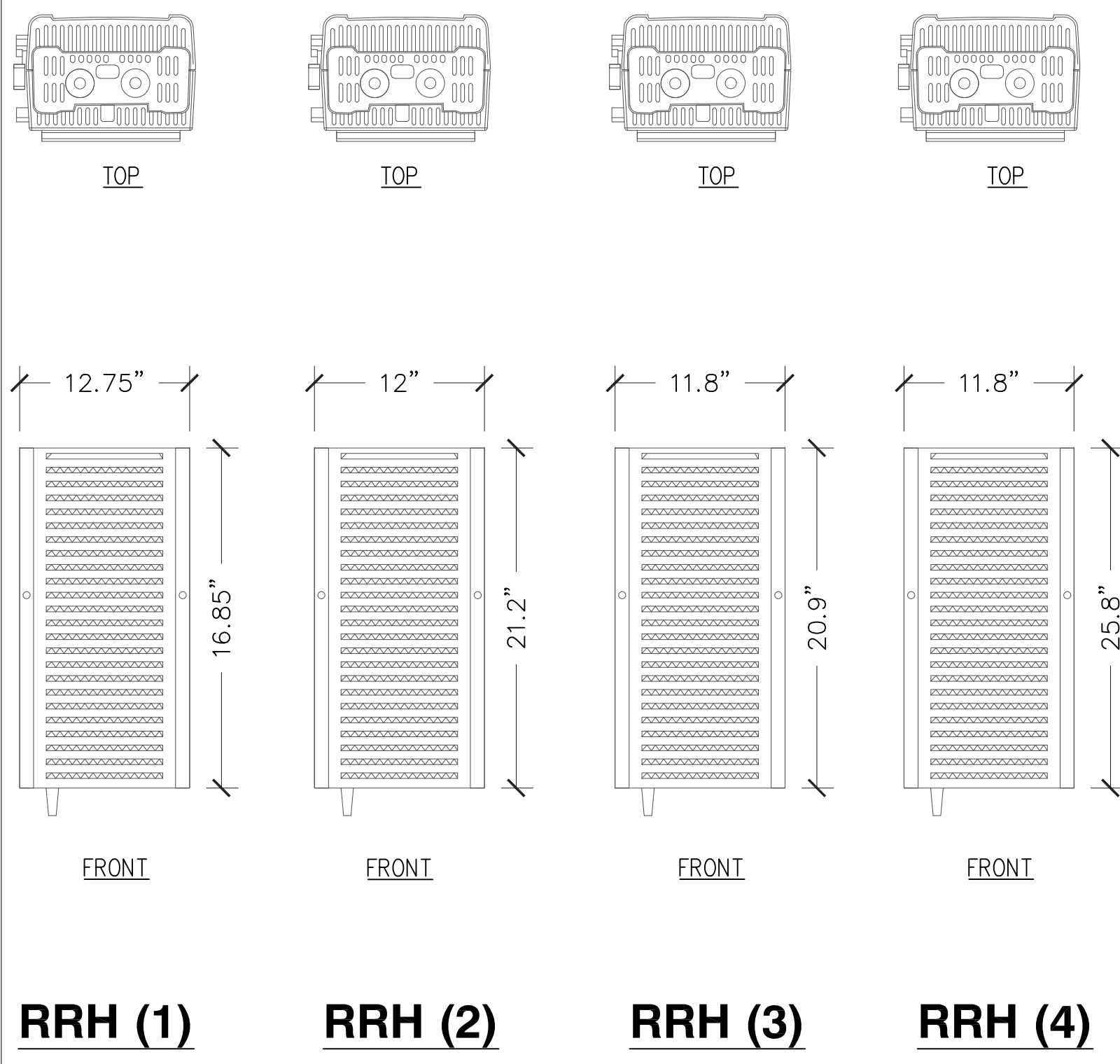
3 J-BOX DETAIL

SCALE: N.T.S.



6 RRH DETAILS

SCALE: N.T.S.



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16747 EAST PARKVIEW AVE., SUITE #1
FOUNTAIN HILLS, ARIZONA 85268
PHONE: (480) 836-1701
FAX: (480) 836-1004
www.sinodesign.com

PE SEAL:

NO.	DATE	DESCRIPTION
A	01/08/18	PRELIM CD
B	01/18/18	CHANGED ACCESS EASEMENT
C	01/30/18	UPDATED PER LAST SLF
D	03/16/18	UPDATED OWNER'S ADDRESS
E	03/20/18	UPDATED EASEMENT

SITE I.D.: **AZ17744**
SITE NAME: **AZ6 BARATARIA**
SITE ADDRESS: **E. FORD RULE ROAD SIERRA VISTA, AZ**

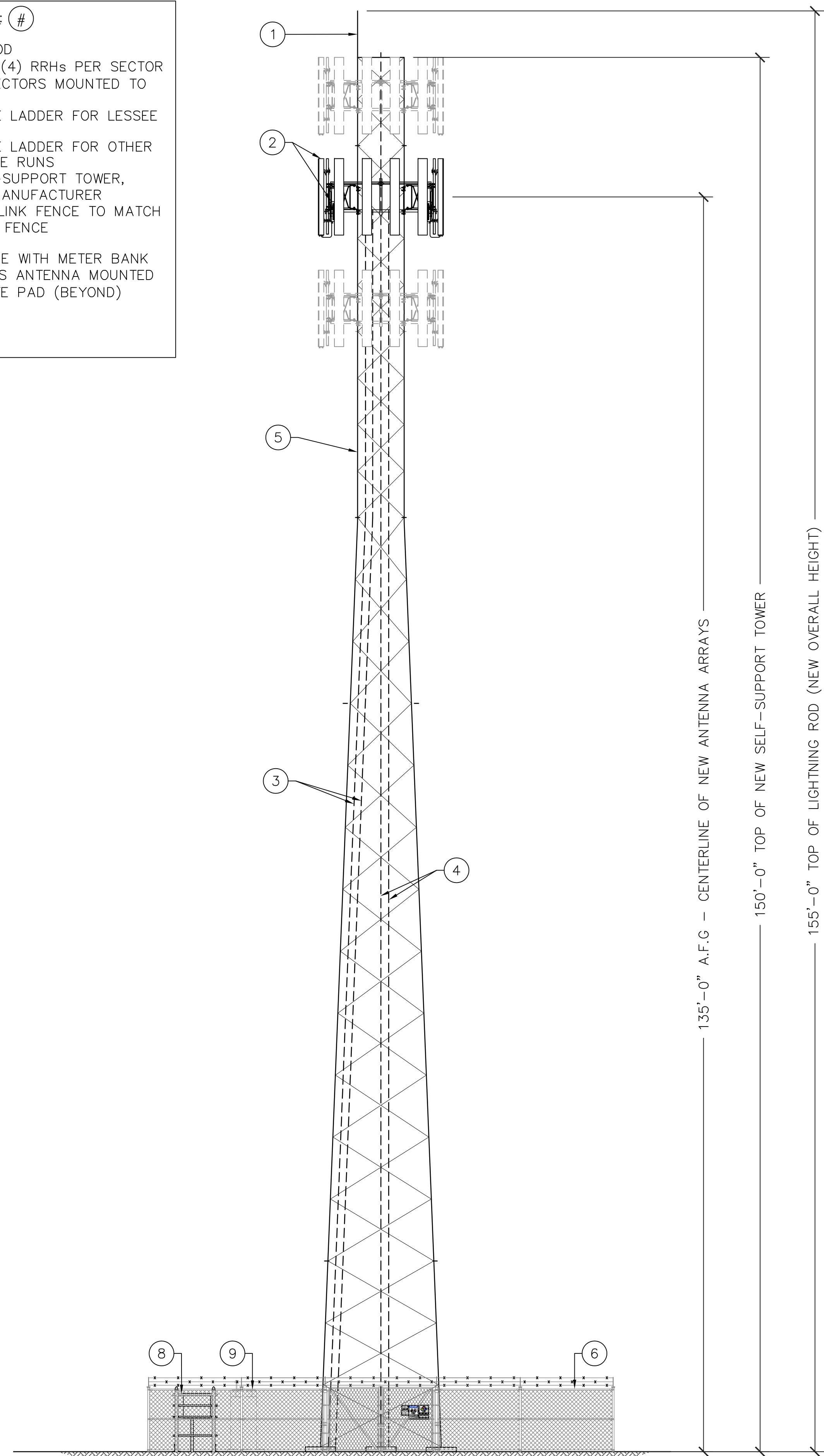
DRAWN BY: **JN**
CHECKED BY: **YJ**
DATE: **3/20/2018**
PROJECT #: **AZ17744-B**

SHEET TITLE:
EQUIPMENT LAYOUT & ANTENNA DETAILS

SHEET NO.
C-3

ELEVATION KEYED NOTES: #

1. NEW 5' LIGHTNING ROD
2. NEW (4) ANTENNAS, (4) RRRs PER SECTOR & (1) J-BOX, (3) SECTORS MOUNTED TO NEW STANDOFFS
3. NEW VERTICAL CABLE LADDER FOR LESSEE HYBRID RUNS
4. NEW VERTICAL CABLE LADDER FOR OTHER RADIO COAXIAL CABLE RUNS
5. NEW SBA 150' SELF-SUPPORT TOWER, FINAL DRAWING BY MANUFACTURER
6. NEW 8' TALL CHAIN LINK FENCE TO MATCH EXISTING CHAIN LINK FENCE
7. NOT USED
8. NEW UTILITY H-FRAME WITH METER BANK
9. NEW CABINET W/ GPS ANTENNA MOUNTED ON TOP OF CONCRETE PAD (BEYOND)

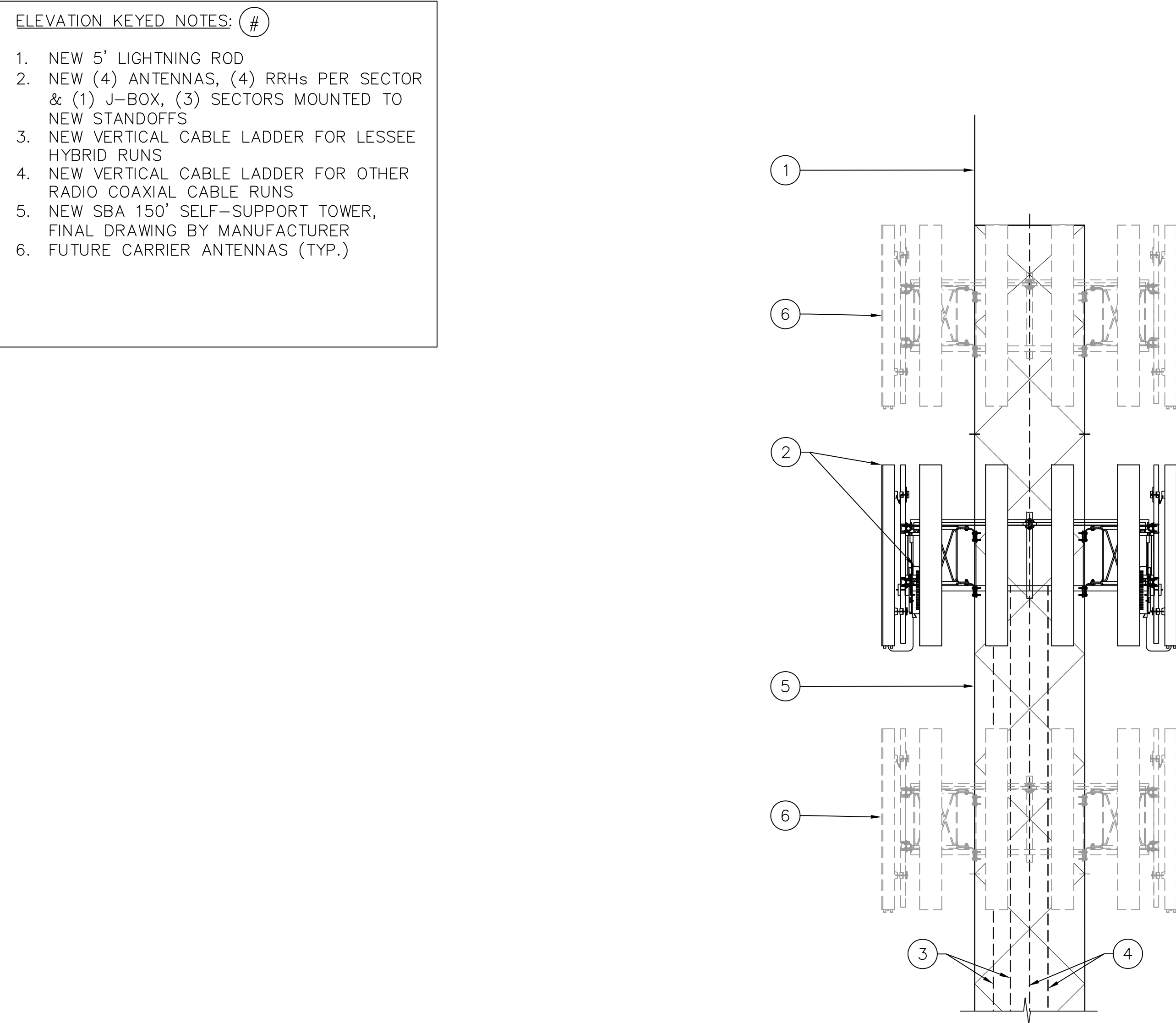


1 SOUTH ELEVATION

22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

ELEVATION KEYED NOTES: #

1. NEW 5' LIGHTNING ROD
2. NEW (4) ANTENNAS, (4) RRRs PER SECTOR & (1) J-BOX, (3) SECTORS MOUNTED TO NEW STANDOFFS
3. NEW VERTICAL CABLE LADDER FOR LESSEE HYBRID RUNS
4. NEW VERTICAL CABLE LADDER FOR OTHER RADIO COAXIAL CABLE RUNS
5. NEW SBA 150' SELF-SUPPORT TOWER, FINAL DRAWING BY MANUFACTURER
6. FUTURE CARRIER ANTENNAS (TYP.)

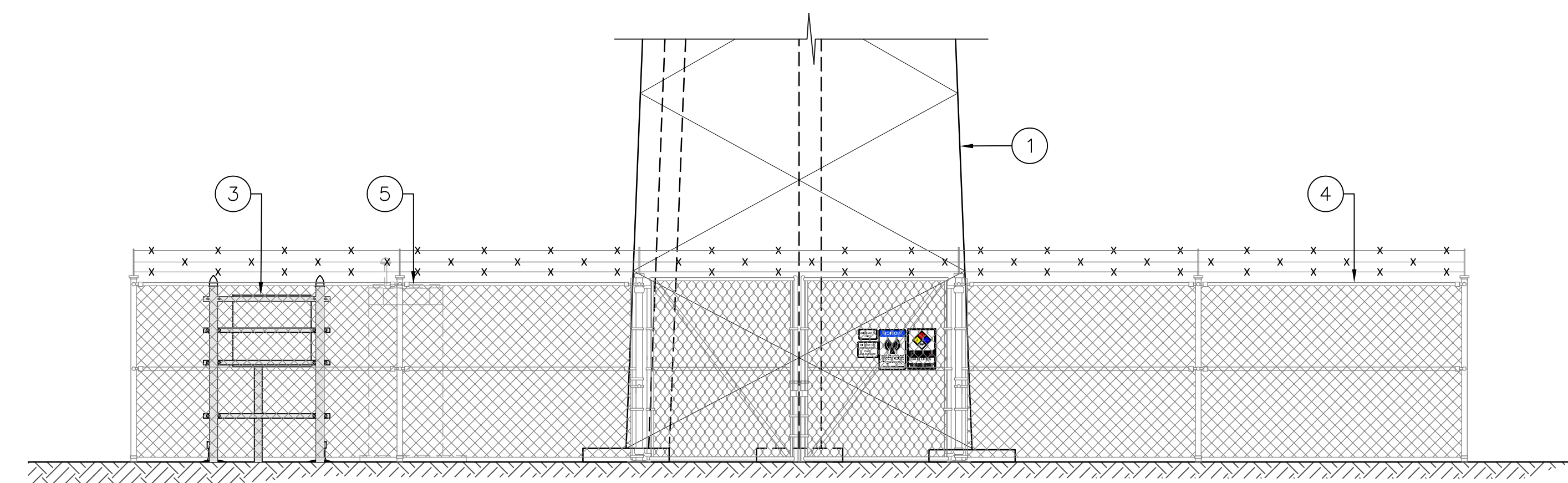


2 ELEVATION VIEW AT ANTENNAS

22"x34" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

ELEVATION KEYED NOTES: #

1. NEW SBA 150' SELF-SUPPORT TOWER
2. NOT USED
3. NEW UTILITY H-FRAME WITH METER BANK
4. NEW CHAIN LINK FENCE
5. NEW CABINET WITH GPS ANTENNA (BEYOND)



3 ELEVATION VIEW AT UTILITY H-FRAME

22"x34" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



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SITE I.D.:
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SITE NAME:
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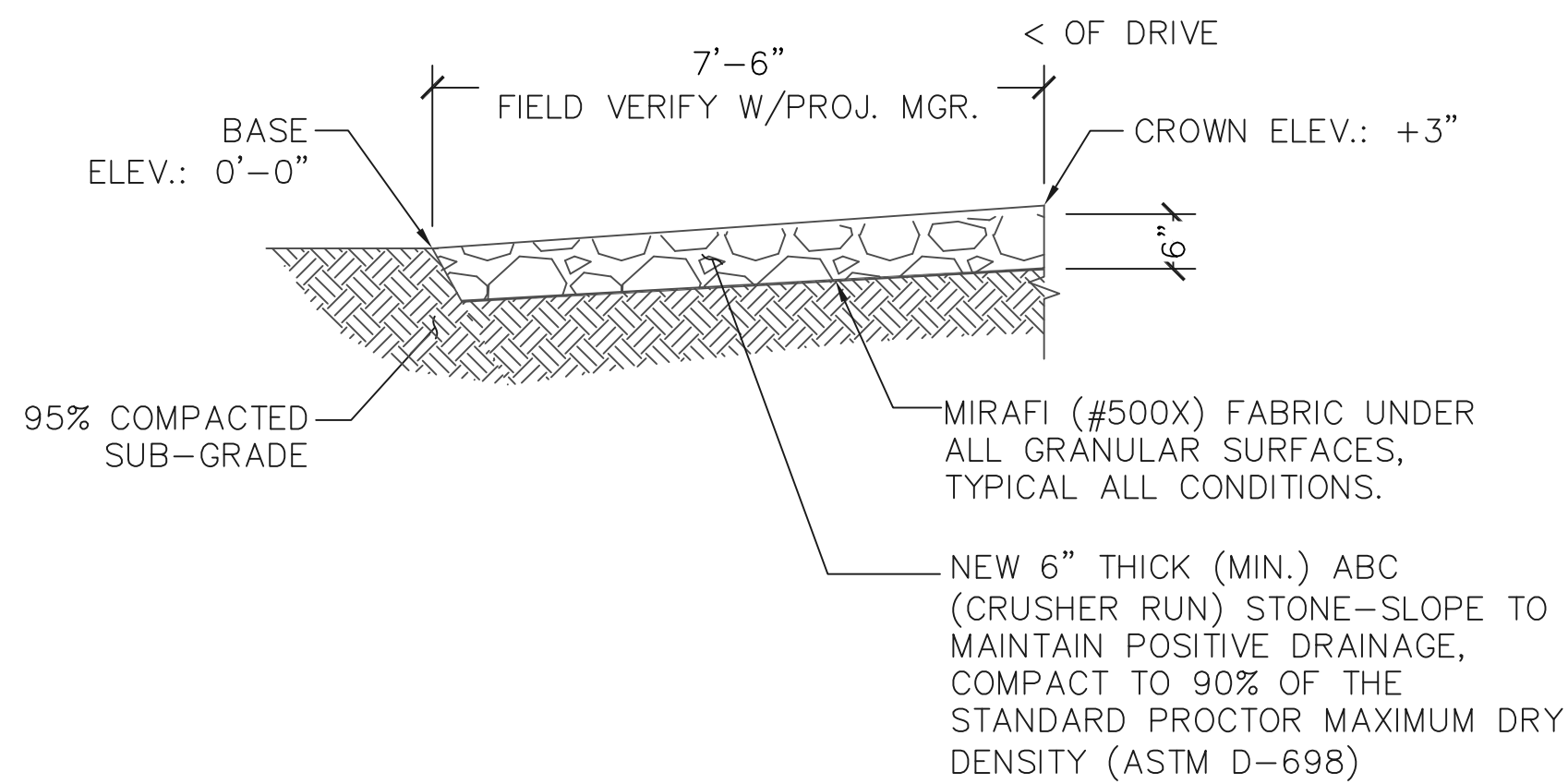
SITE ADDRESS:
E. FORD RULE ROAD
SIERRA VISTA, AZ

DRAWN BY: JN
CHECKED BY: YJ
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SHEET TITLE:
ELEVATION

SHEET NO.
C-4

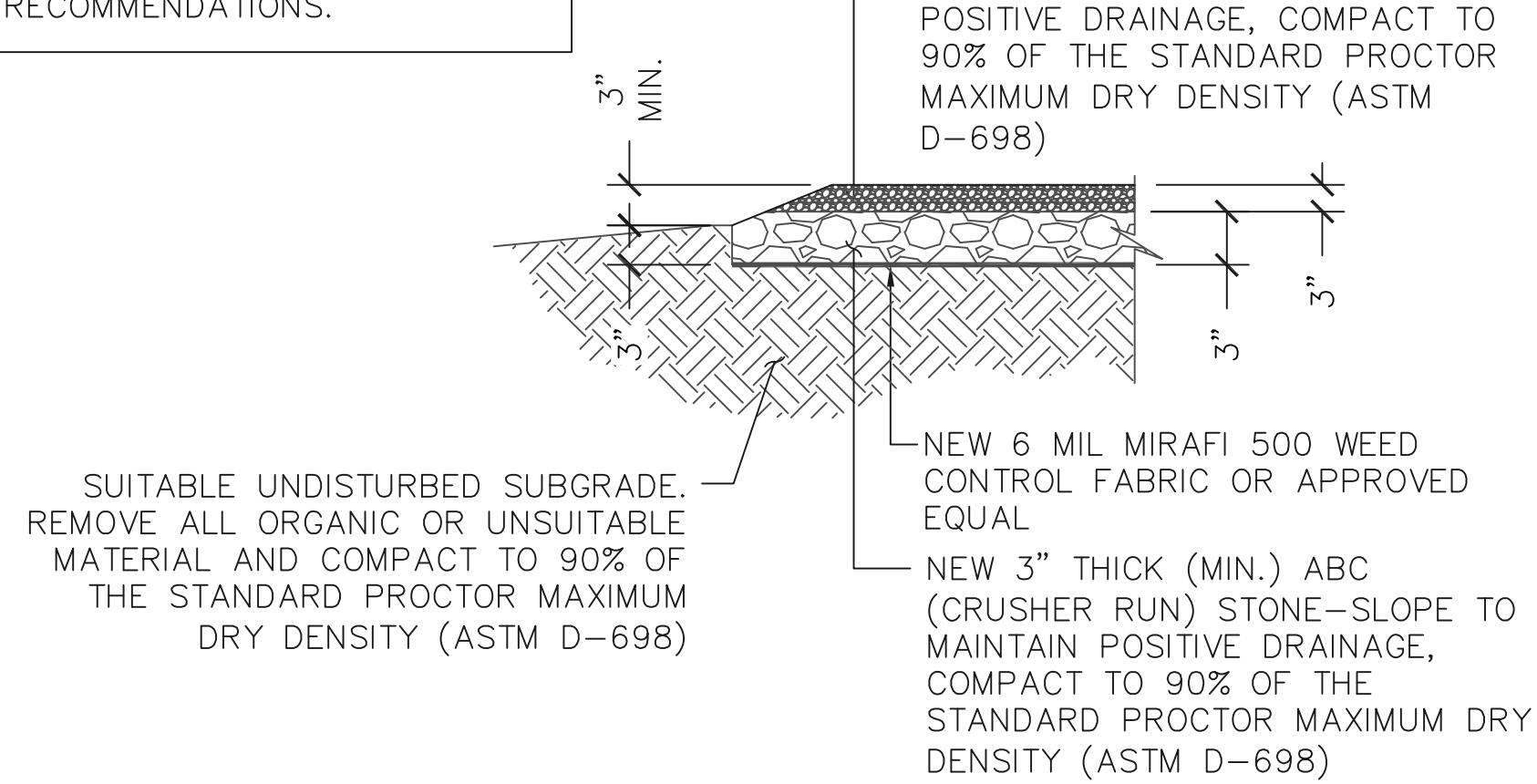
NOTE:
WEED CONTROL FABRIC SHALL BE USED UNDER ACCESS DRIVE WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



1 ACCESS DRIVE DETAIL

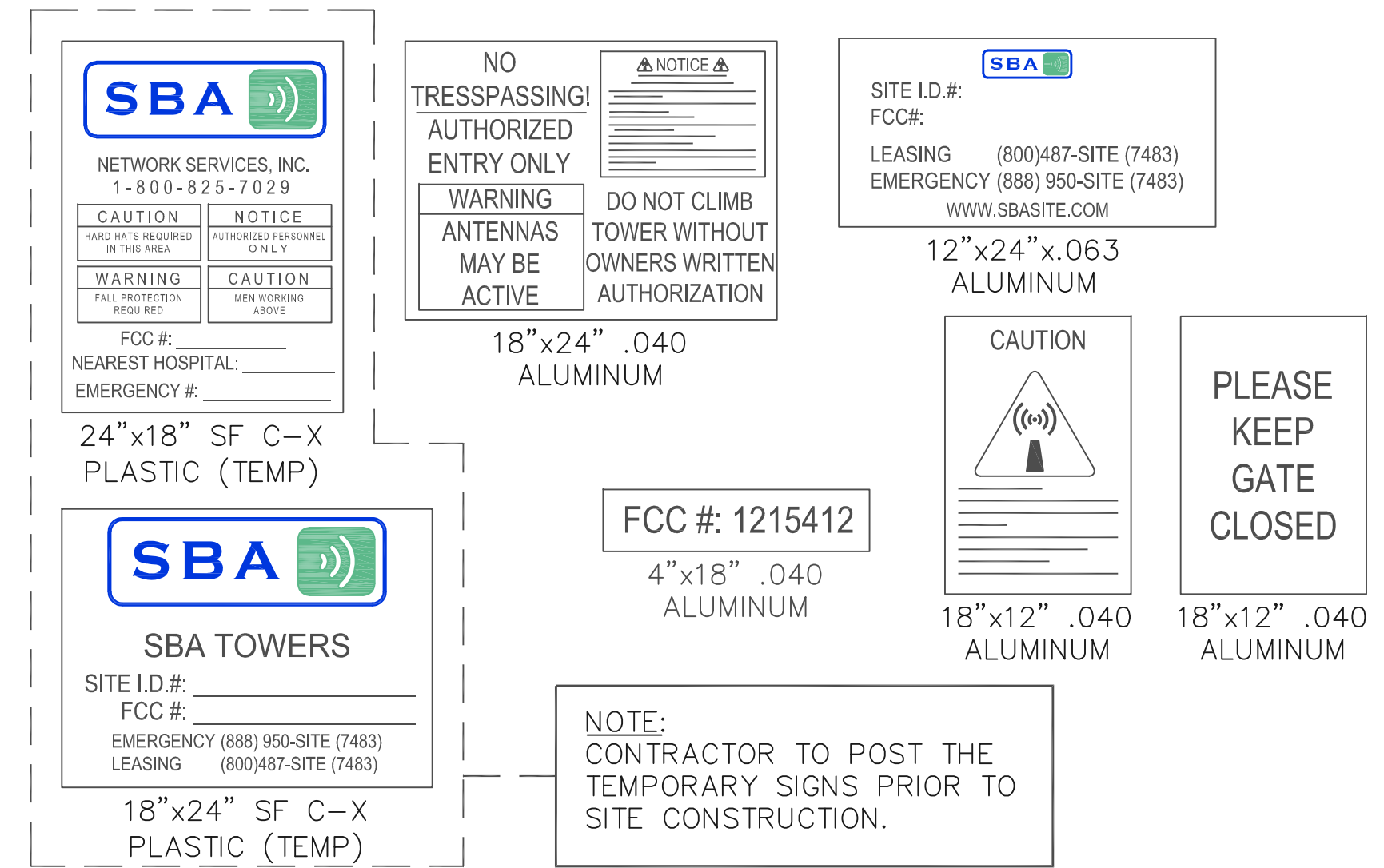
SCALE: N.T.S.

NOTE:
WEED CONTROL FABRIC SHALL BE USED UNDER ENTIRE PROPOSED GRAVELED AREA WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



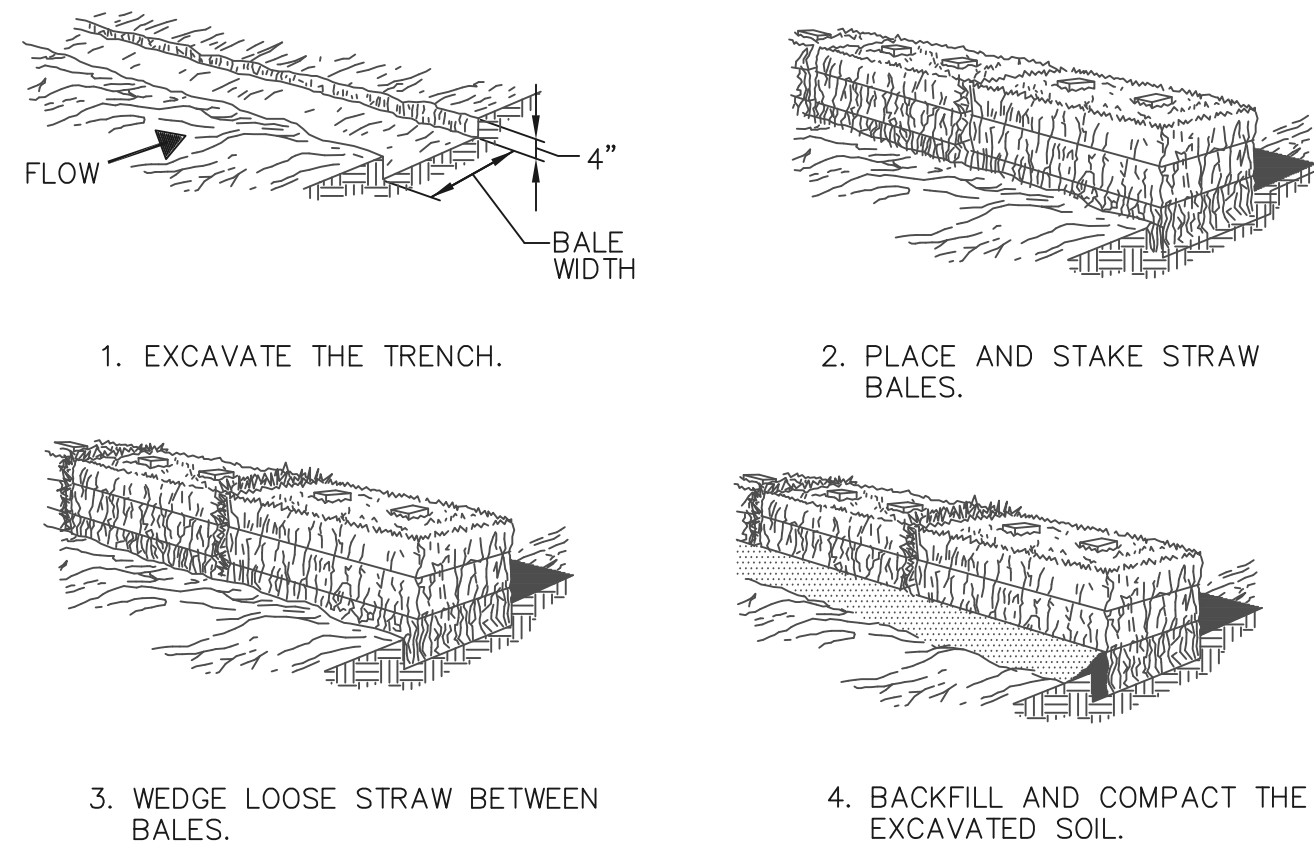
2 COMPOUND FINISH DETAIL

SCALE: N.T.S.

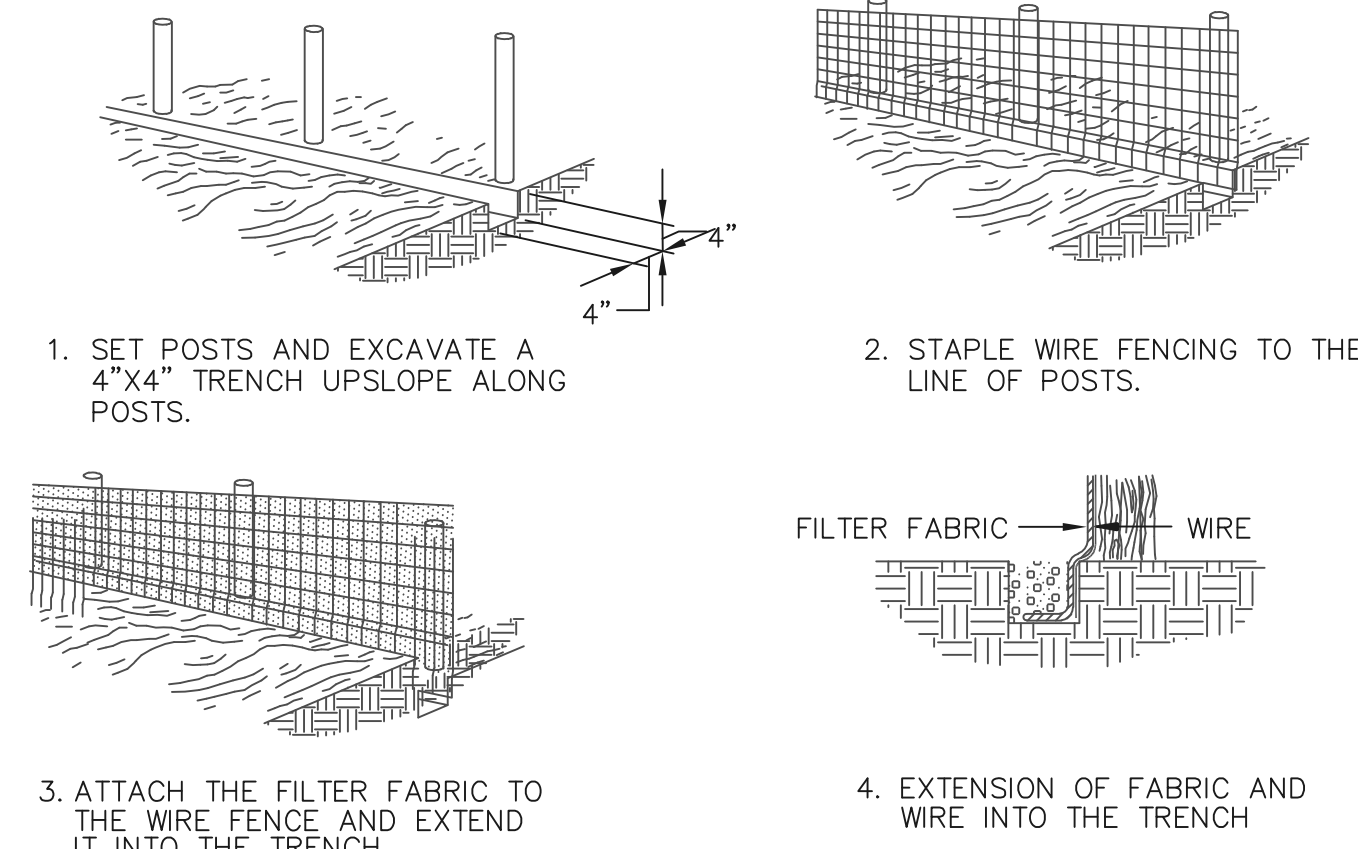


3 SIGN DETAIL

SCALE: N.T.S.



STRAW BALE BARRIER



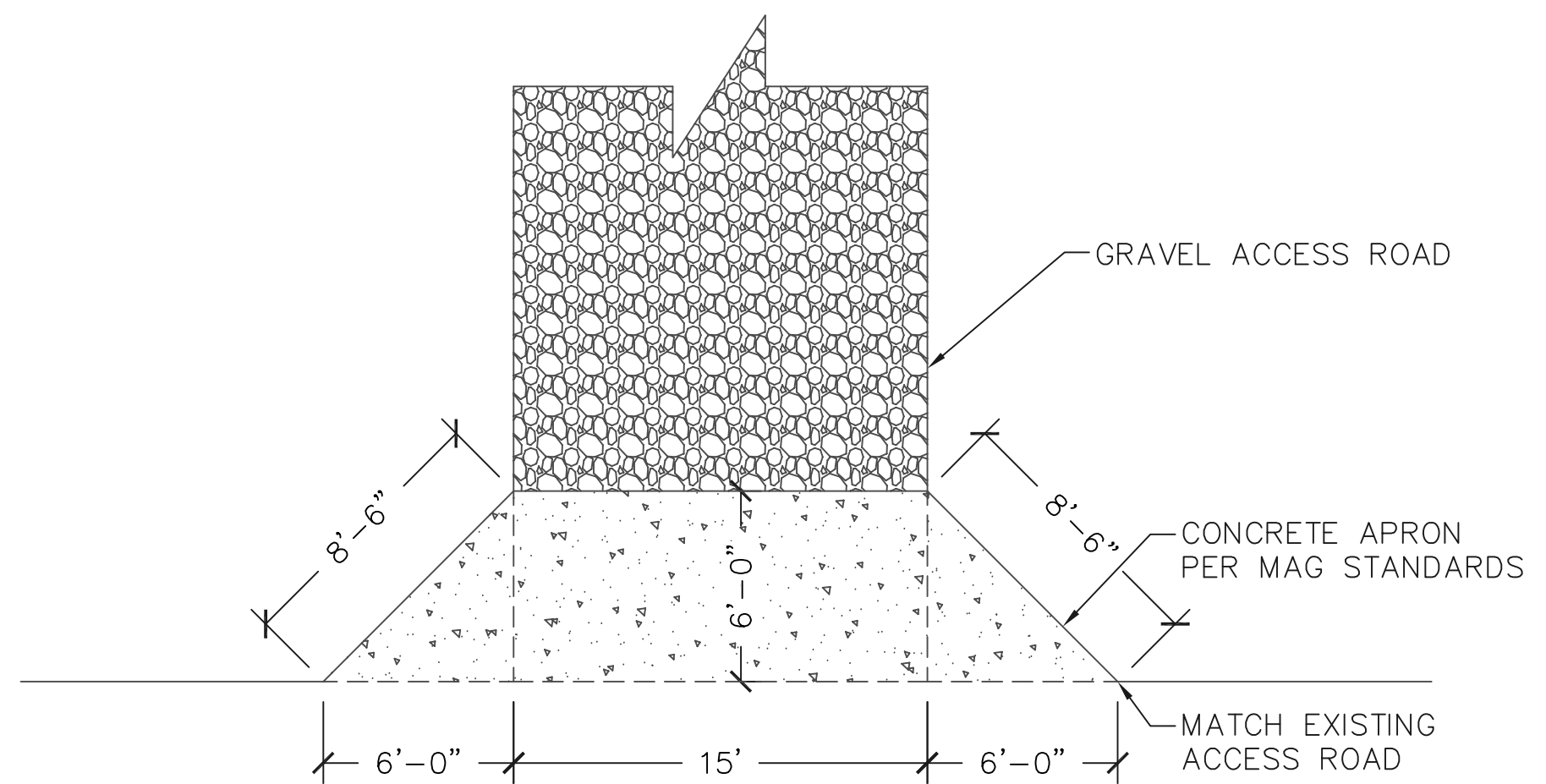
SILT FENCE

4 EROSION CONTROL DETAIL

SCALE: N.T.S.

5 TYPICAL ROAD ENTRY

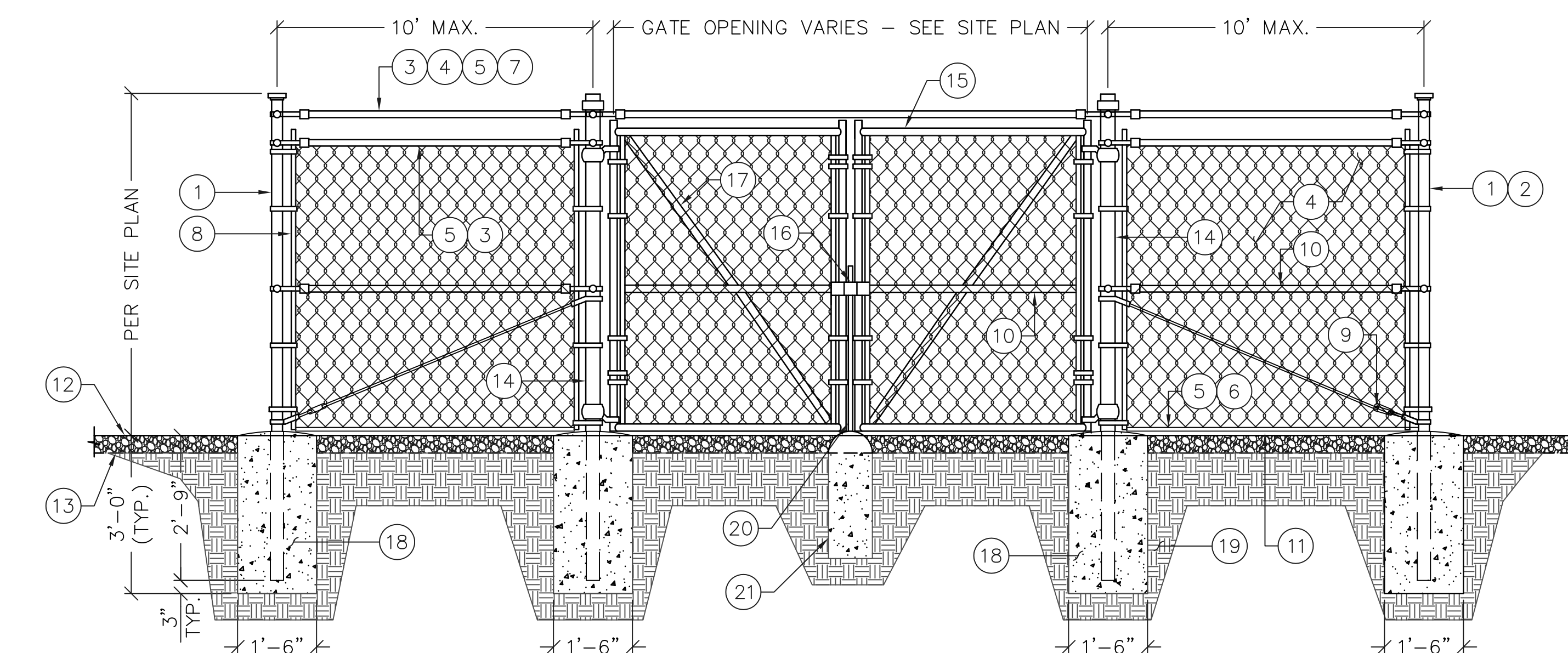
SCALE: N.T.S.



PE SEAL:

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REVISIONS



6 CHAIN LINK FENCE DETAIL

SCALE: N.T.S.

TYPICAL CHAIN LINK FENCE KEYED NOTES: (#)

- 4" NOMINAL CORNER POST SCHEDULE 40 PIPE.
- LINE POST: 2 1/2" SCHEDULE 40 PIPE, PER ASTM-F1083 SPACED AT MAXIMUM 10'-0" O.C.
- TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
- FABRIC: 9 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- TIE WIRE: MIN. 11 GA. GALVANIZED STEEL AT POSTS AND RAILS SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG- RINGS SPACED MAX. 24" INTERVALS.
- TENSION WIRE: 9 GA. GALVANIZED STEEL.
- CHAIN LINK LID ON TOP, SEE KEYED NOTES 3, 4 & 5.
- STRETCHER BAR.
- 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
- POST BRACE: 1 3/8" DIA. AT CORNERS AND GATES
- 1 1/2" MAXIMUM CLEARANCE FROM GRADE.
- FINISHED GRADE SHALL BE UNIFORM AND LEVEL
- SUB-GRADE
- GATE POST 4". SCHEDULE 40 PIPE, FOR GATE WIDTHS UP TO 7 FEET USE SINGLE SWING GATE PER ASTM-F1083.
- GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
- GATE LOCK. SEE DETAILS ON SHEET C-6
- GATE DIAGONAL GALVANIZED STEEL 1 1/2" PIPE.
- POST CONCRETE FOUNDATION (2500 PSI)
- NATURAL SOIL
- DROP ROD
- CONCRETE MUSHROOM

SITE I.D.:
AZ17744

SITE NAME:
AZ6 BARATARIA

SITE ADDRESS:
**E. FORD RULE ROAD
SIERRA VISTA, AZ**

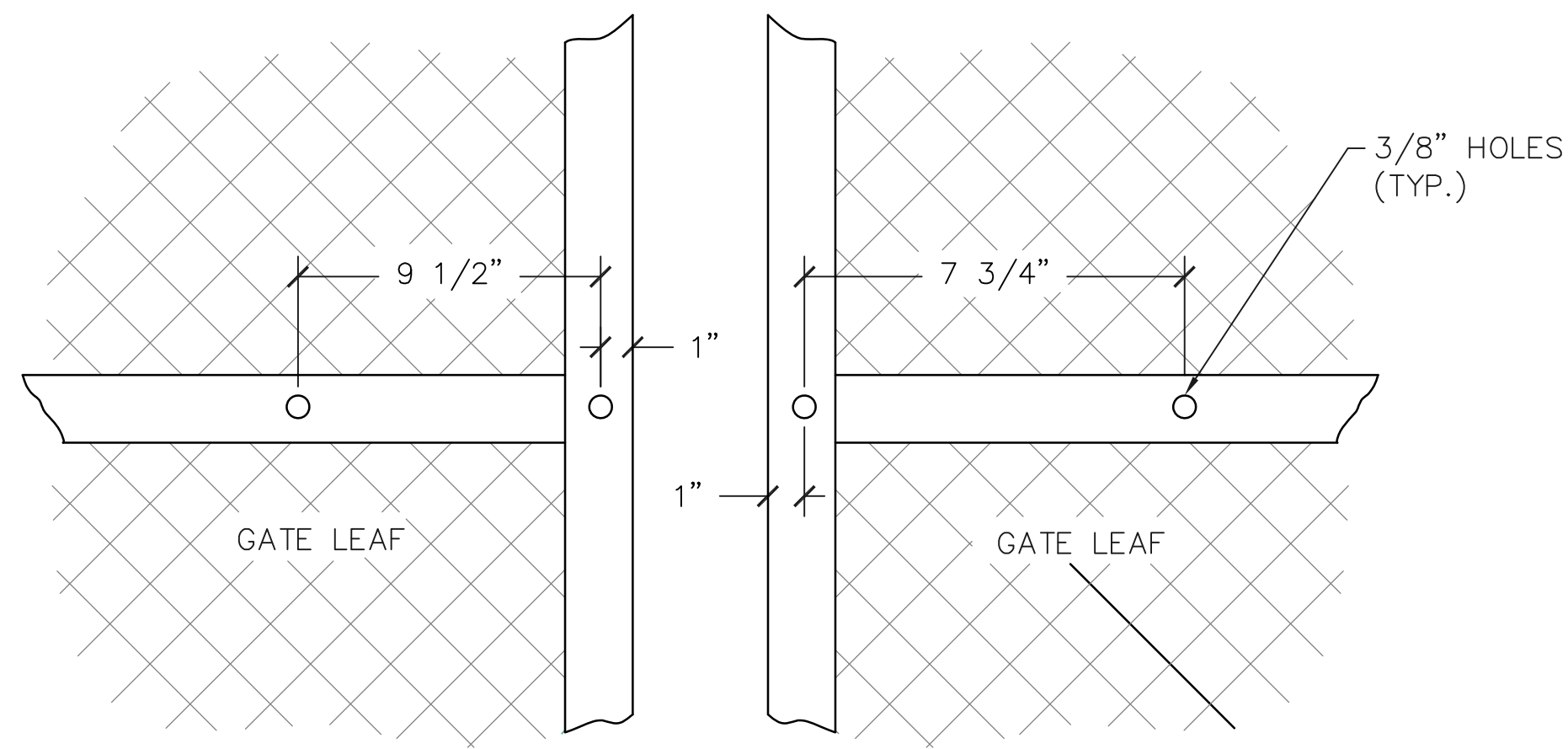
DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
**CONSTRUCTION
DETAILS**

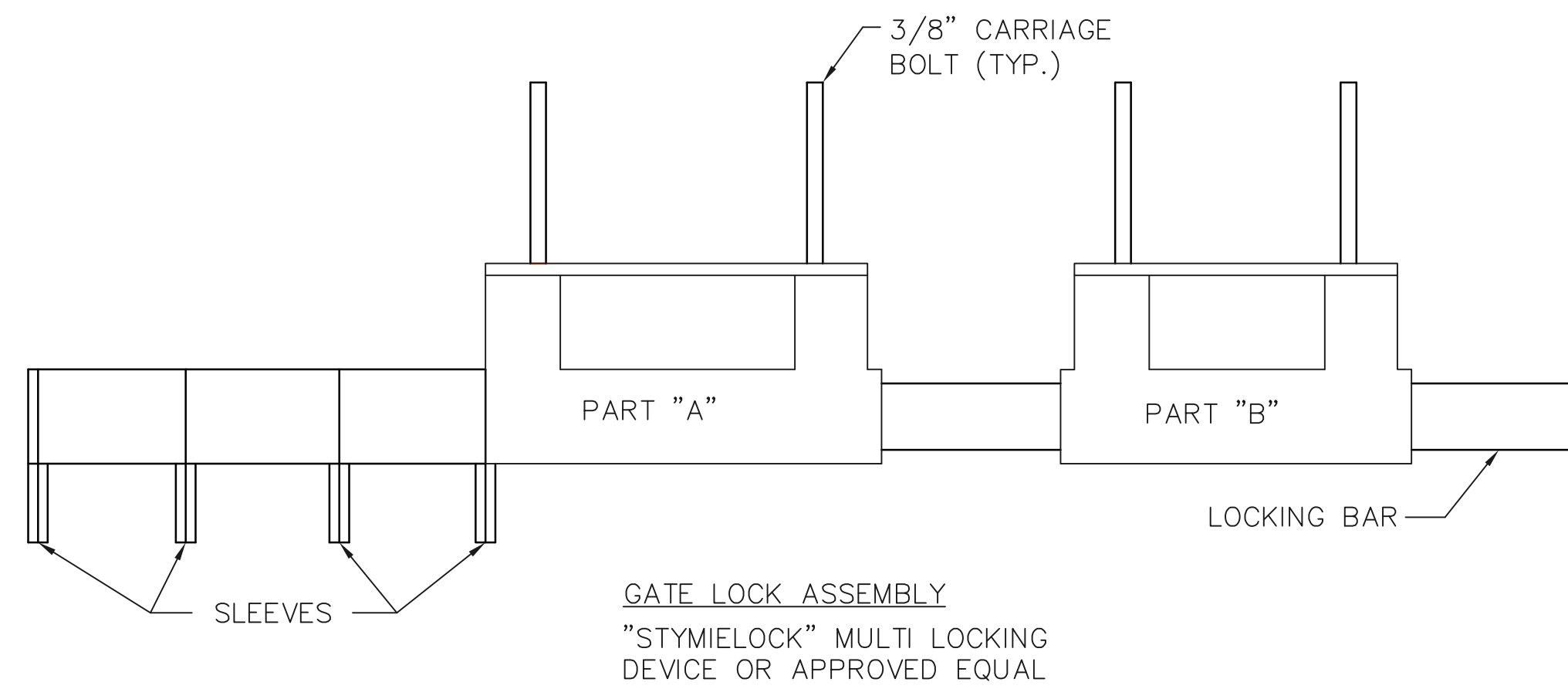
SHEET NO.
C-5

SBA
Building Better Wireless
SBA TOWERS IX LLC.
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY. NW
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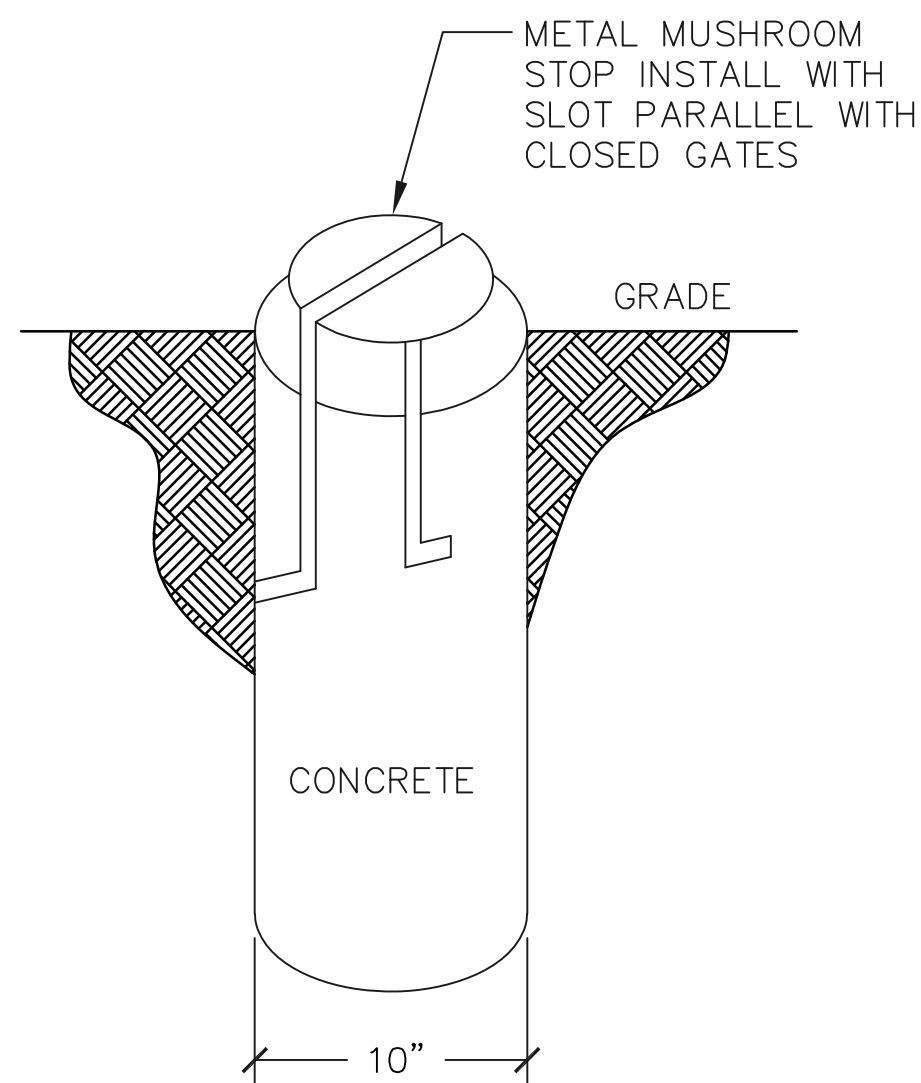
1 GATE FACE - ACCOMODATING STYMILOCK SCALE: N.T.S.



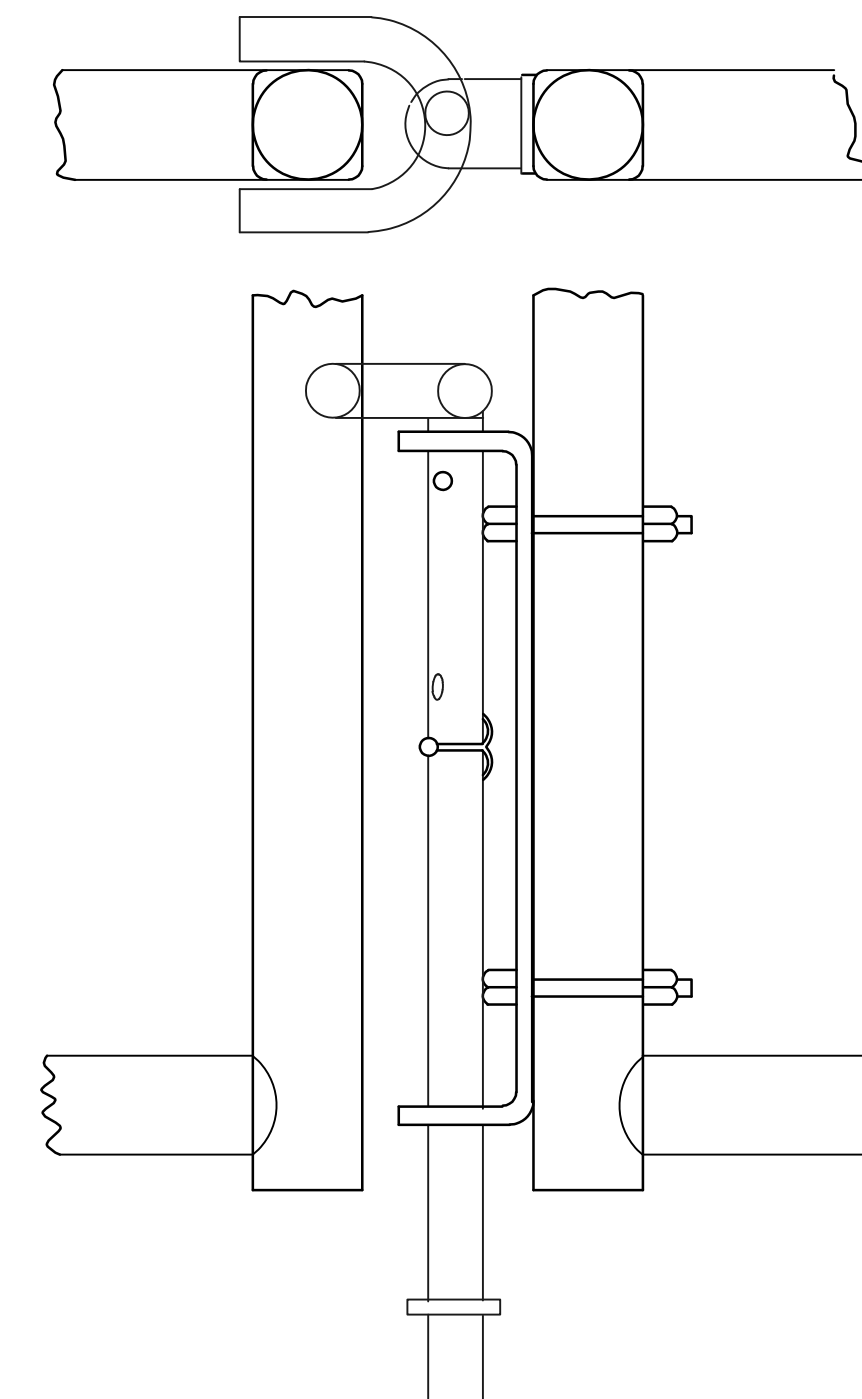
2 GATELOCK ASSEMBLY DETAIL SCALE: N.T.S.

STYMILOCK INSTALLATION

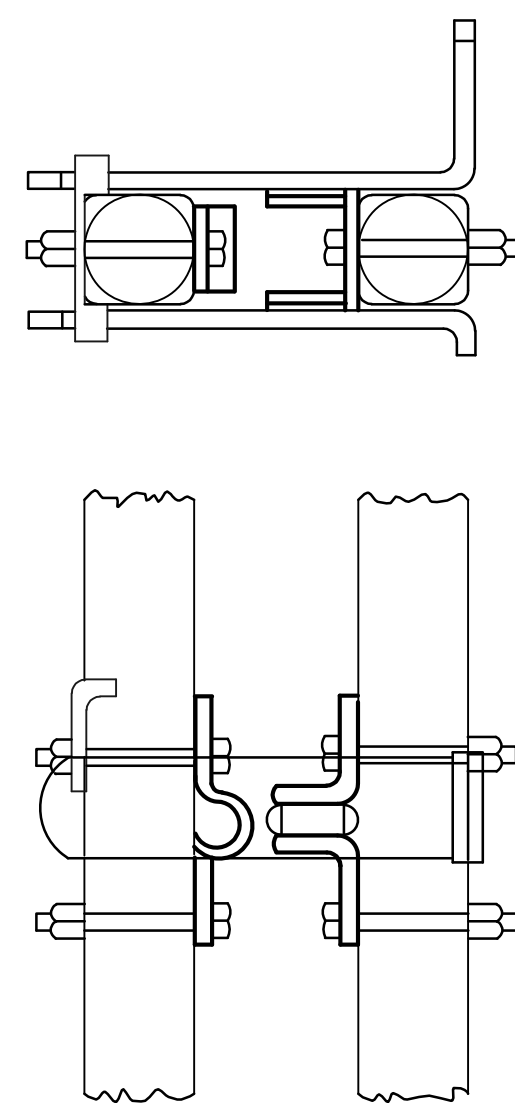
1. DRILL 3/8" HOLES IN THE GATE LEAF USING THE GATE DIMENSIONS PROVIDED.
2. SLIDE THE CARRIAGE BOLTS IN THE SLOTS ON THE BACK OF PART "B" AND PUSH THE BOLTS THROUGH THE HOLES DRILLED IN THE GATE FIGURE. PUT THE NUT AND THE LOCKNUT ON AND TIGHTEN AND CUT THE EXCESS BOLT OFF. DO THE SAME WITH PART "A".
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.



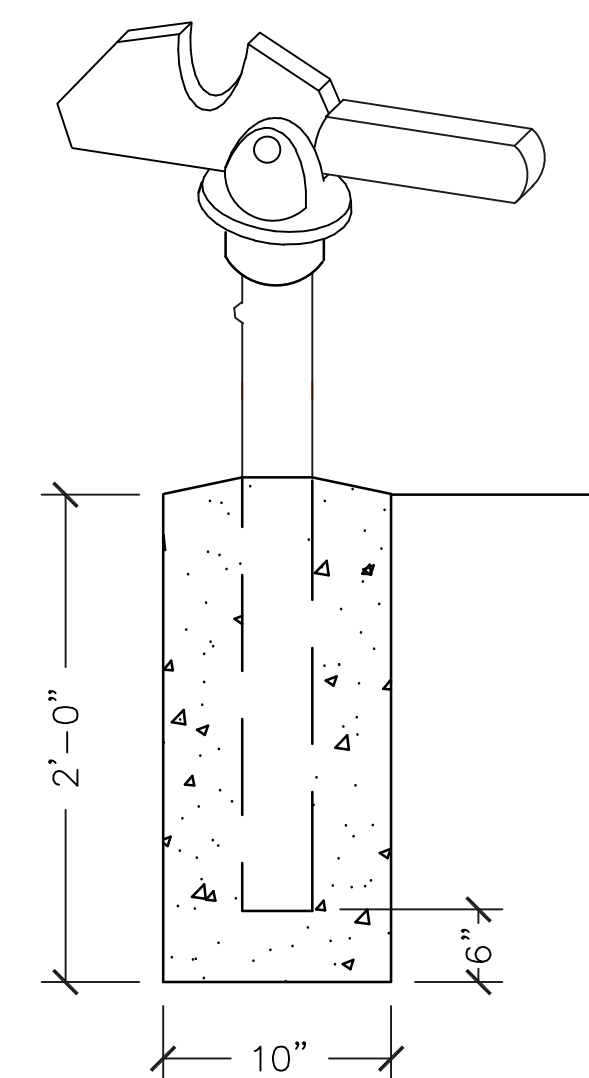
3 MUSHROOM STOP DETAIL SCALE: N.T.S.



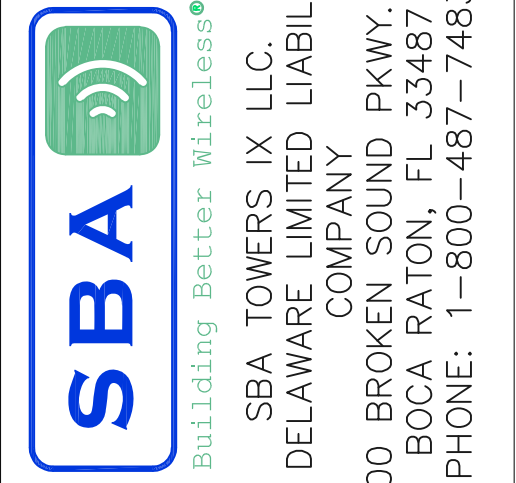
4 DROP ROD ASSEMBLY DETAIL SCALE: N.T.S.



5 LATCH ASSEMBLY DETAIL SCALE: N.T.S.



6 GATE KEEPER DETAIL SCALE: N.T.S.



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SITE I.D.: **AZ17744**
 SITE NAME: **AZ6 BARATARIA**
 SITE ADDRESS: **E. FORD RULE ROAD SIERRA VISTA, AZ**

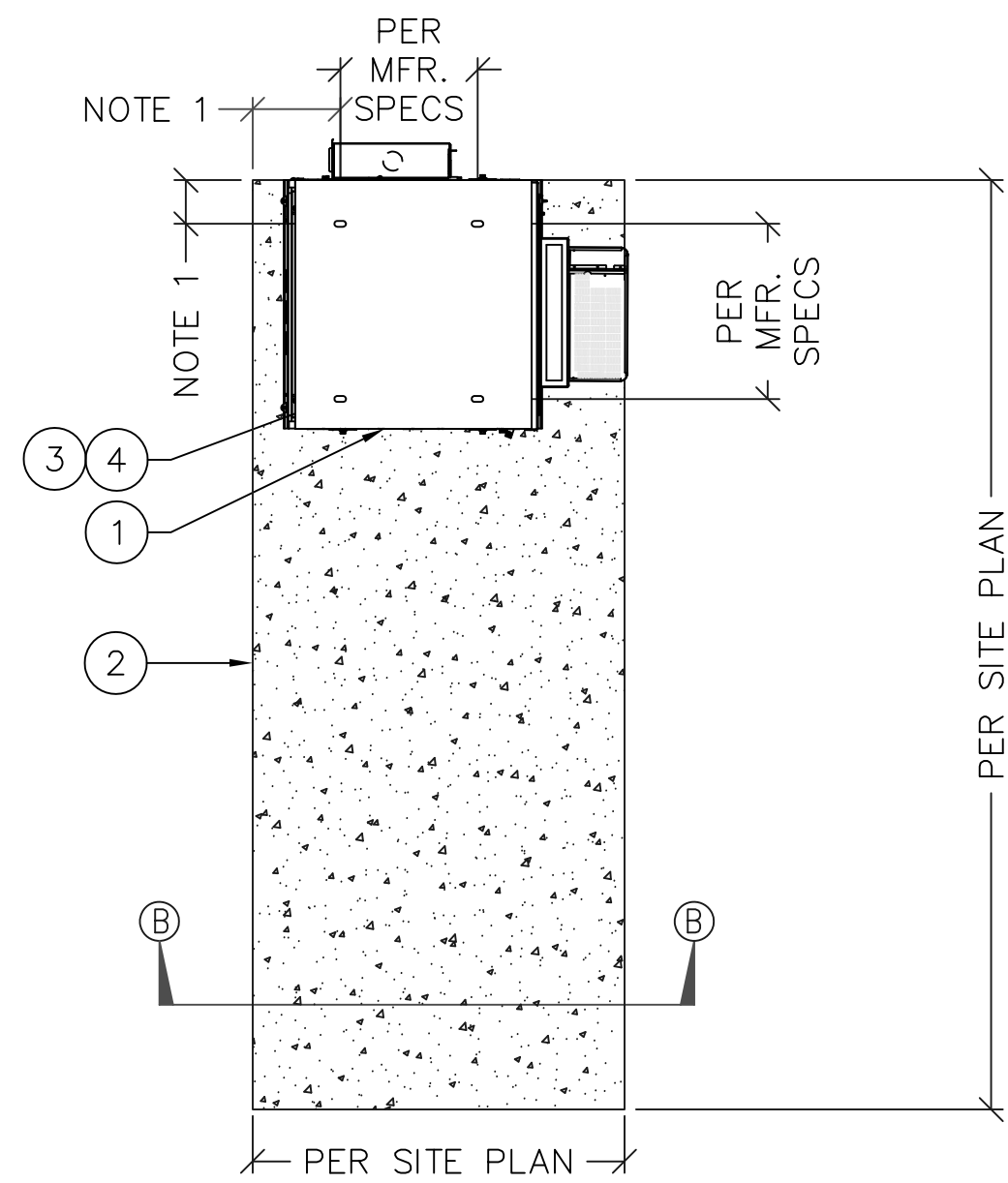
DRAWN BY: JN
 CHECKED BY: YJ
 DATE: 3/20/2018
 PROJECT #: AZ17744-B

SHEET TITLE:
CONSTRUCTION DETAILS

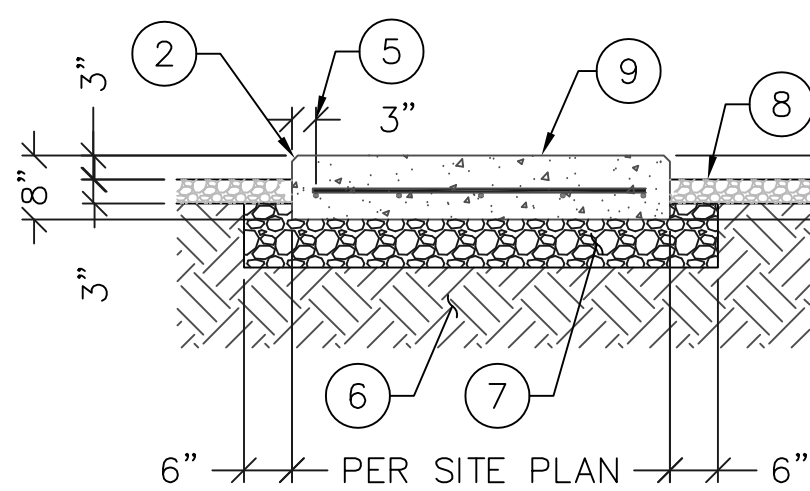
SHEET NO.
C-6

CABINET CONCRETE SLAB KEYED NOTES: #

1. OUTLINE OF EQUIPMENT CABINET
2. 3/4" CHAMFER EDGE (TYP.)
3. LOCATION OF 3/4" HOLE (TYP.)
4. USE ITW RED HEAD TRUBOLT + WEDGE ANCHOR 1/2" DIA. ANCHOR BOLT W/ 3/4" MIN EMBEDMENT (TOTAL 4); VERIFY SIZE W/ MANUFACTURER SPECS.
5. 3" REINFORCEMENT CLEARANCE FROM SLAB PERIMETER
6. NATURAL SOIL
7. 6" THK. MIN. CRUSHED STONE OR COMPACTED GRANULAR FILL
8. FINISHED GRADE LEVEL
9. 8" THK. SLAB W/ #4 @ 9" O.C. EACH WAY; SLAB FINISH 3" ABOVE GRADE



PLAN VIEW



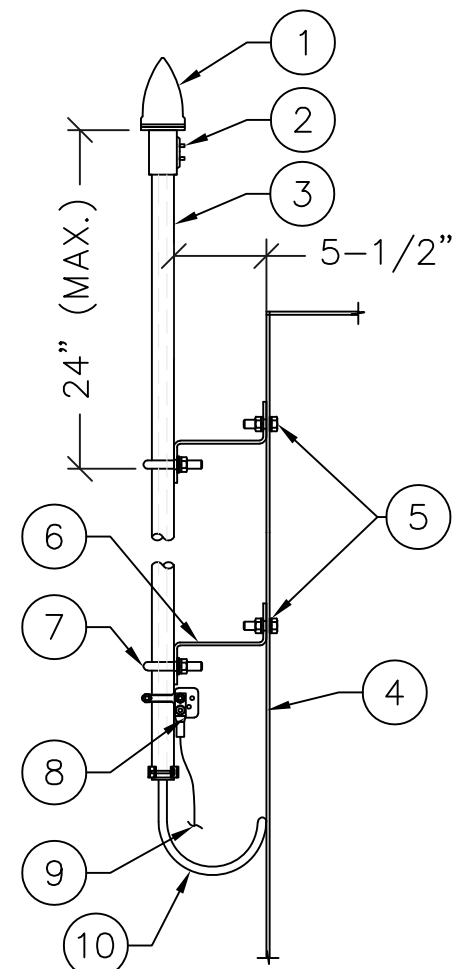
DETAIL B-B

NOTE:
1. VERIFY DIMENSIONS WITH CABINET MANUFACTURER ALONG WITH LOCATION OF BASE FRAME CONNECTIONS.

1 CABINET CONC. SLAB DETAIL SCALE: N.T.S.

GPS MOUNT KEYED NOTES: #

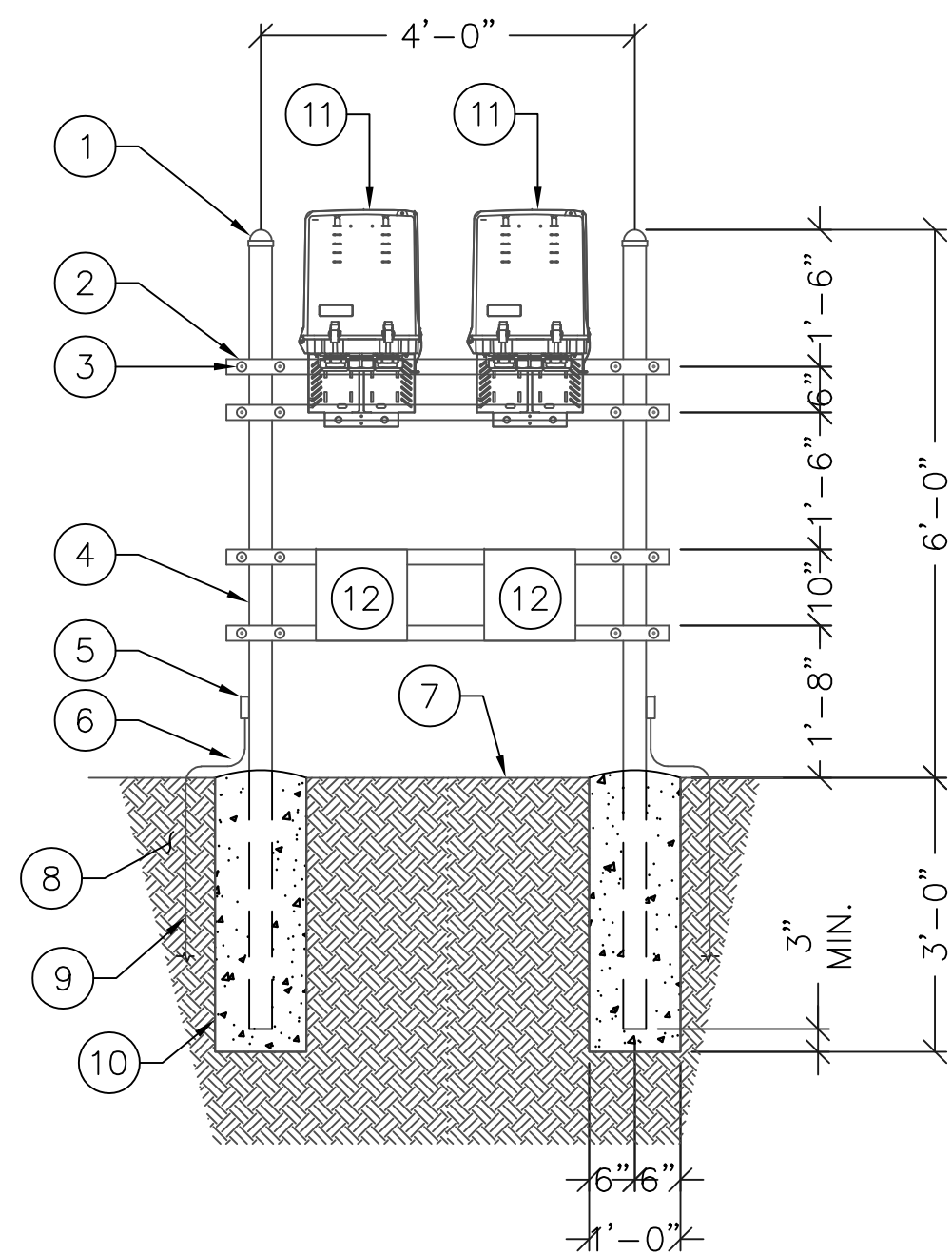
1. GPS ANTENNA
2. SET SCREWS
3. 1/2" GALV. THREADED ROD, 1/2" GALV. NUT, 1/2" GALV. FLAT & LOCK WASHER
4. CABINET
5. 3/8" THRU BOLT (TYP.)
6. 5-1/2" STANDOFF COMMSCOPE MT-250L CANTILEVER WALL MOUNT BRACKET OR APPROVED EQUAL. (TYP.)
7. 1/2" U-BOLT (TYP.)
8. PIPE GROUND CONNECTOR
9. #2 AWG GROUND WIRE LUG TO NEAREST EXTERIOR GROUND BAR (EGB)
10. COAXIAL CABLE W/ DRIP LOOP & N-MALE CONNECTOR



6 GPS MOUNT DETAILS SCALE: N.T.S.

H-FRAME POST KEYED NOTES: #

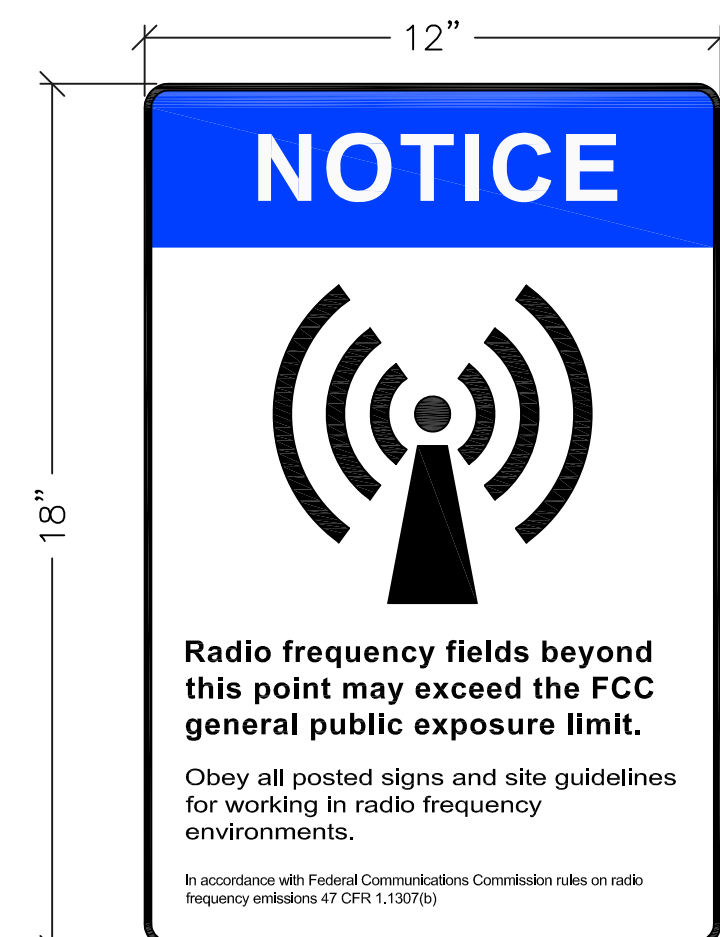
1. PIPE CAP 3/2"
2. P1000T UNISTRUT SERIES
3. 1/2"x3 5/8"x6" GALV. U-BOLT KIT
4. H-FRAME DIRECT BURIAL 3 1/2" PIPE COLUMN
5. MECHANICAL GROUND & #2 TINNED GROUND LEAD TO EXTERIOR GROUND RING
6. ROUND TOP OF FOUNDATION
7. FINISHED GRADE OR ASPHALT
8. NATURAL SOIL
9. TO GROUND RING
10. CONCRETE FOOTING
11. OVP (TYP.) ATTACHED TO UNISTRUT PER MANUFACTURER SPECS
12. DC AND FIBER J-BOXES ATTACHED TO UNISTRUT



2 OPV H-FRAME DETAIL SCALE: N.T.S.

RF NOTICE SIGN NOTES:

1. (QTY 1) SIGN SHALL BE MOUNTED NEXT TO ACCESS GATES
2. RF NOTICE SIGN SHALL BE PLACED 5'-0" FROM THE FINISH GRADE

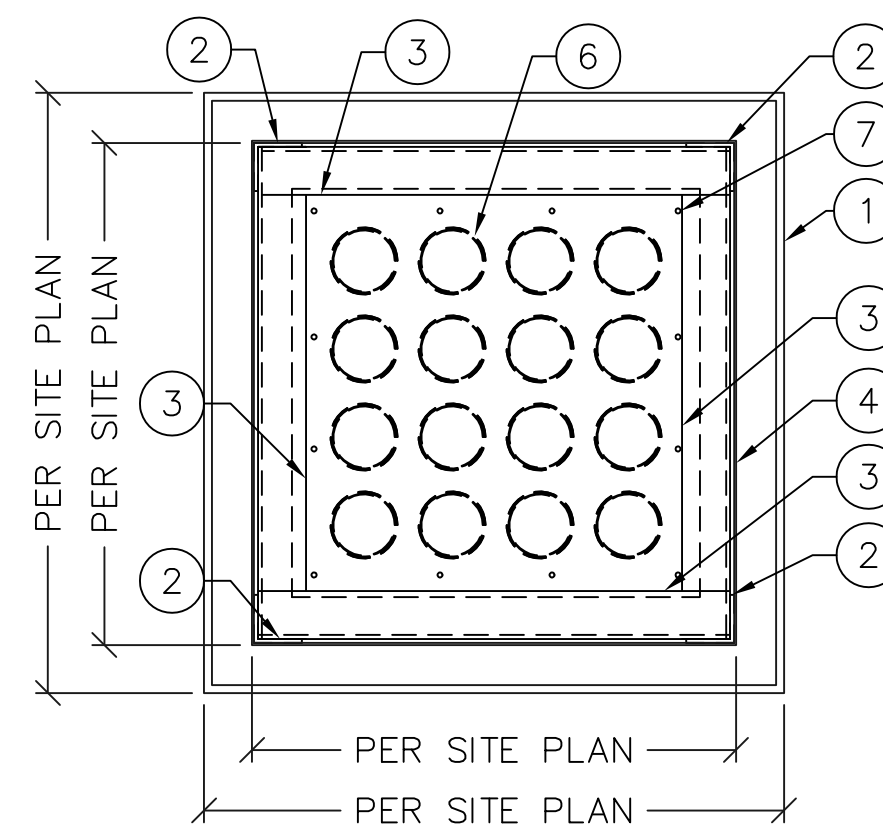


NOTE:
ALL FACILITY PLAQUES TO BE MOUNTED AT 5'-0" A.F.F.

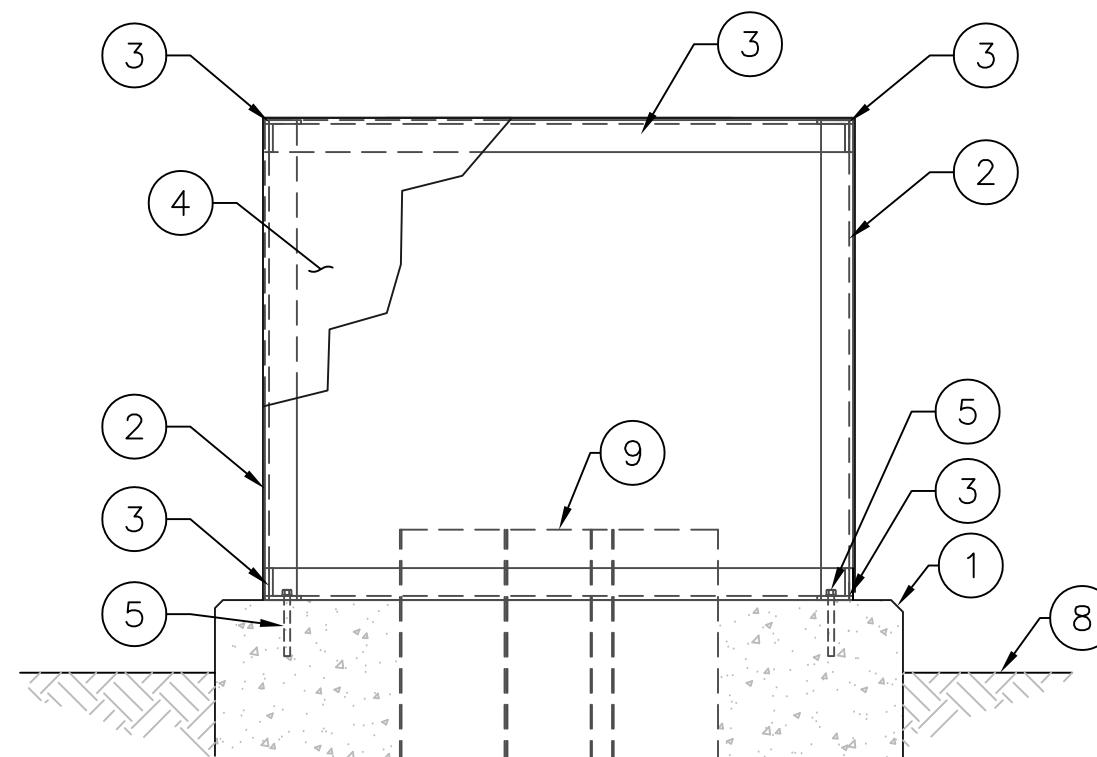
7 RF NOTICE PLAQUE DETAIL SCALE: N.T.S.

CUSTOM DOGHOUSE KEYED NOTES: #

1. CONCRETE SLAB.
2. VERTICAL 2"x2"x1/4" L (TYP. OF 4).
3. HORIZONTAL 2"x2"x1/4" L TOP & BOTTOM (TYP. OF 8).
4. CUSTOM 22 GA. SHEET METAL CABLE HOOD TO COVER DOGHOUSE.
5. 1/2" ZINC PLATED TITEN HD SCREW ANCHOR WITH 3/4" EMBEDMENT. INSTALL PER ICC-ES ESR-2913 (TOTAL OF 8).
6. 4X4 VALMONT ENTRY PANEL PART #E1447 OR APPROVED EQUAL.
7. #10X3/4" SELF-DRILLING FASTENER SCREWS (TYP.).
8. FINISHED GRADE.
9. CONDUITS



DOGHOUSE PLAN

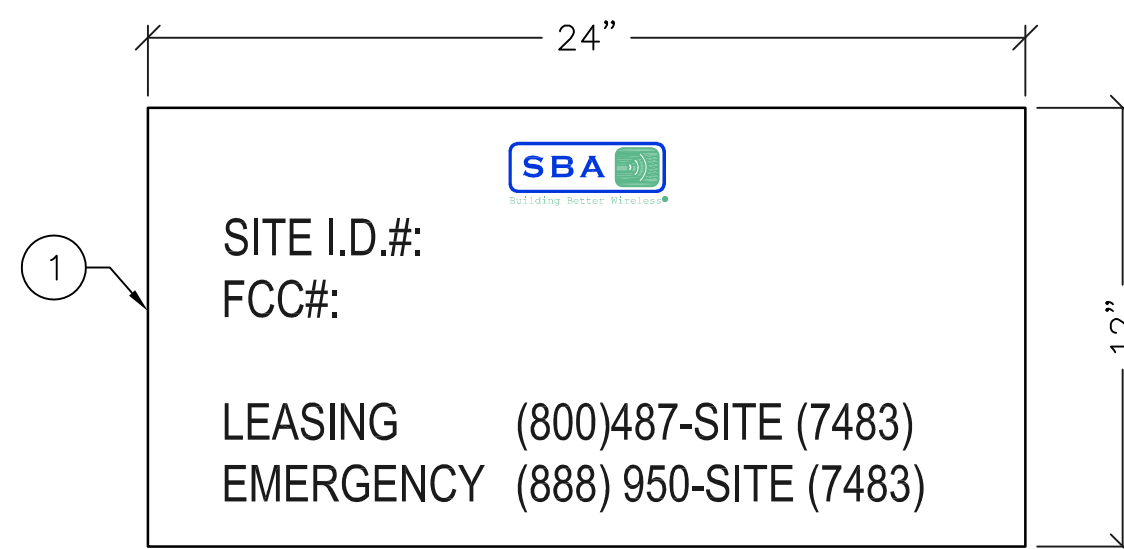


ENLARGED SECTION PLAN

3 CONDUIT STUB-UP DETAIL SCALE: N.T.S.

OWNER SIGN KEY NOTES: #

1. 24" WIDE 12" HIGH SIGN WITH WHITE LETTERS ON WHITE BACKGROUND

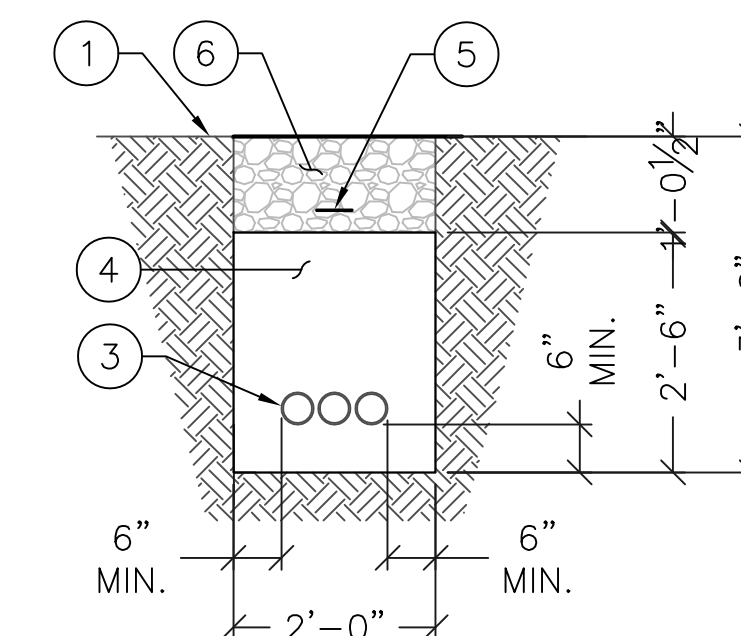


NOTE:
ALL FACILITY PLAQUES TO BE MOUNTED AT 5'-0" A.F.F.

8 OWNER SIGN DETAIL SCALE: N.T.S.

COAX CONDUIT TRENCH KEYED NOTES: #

1. FINISHED GRADE
2. NOT USED
3. 4" PVC SCH. 40 CONDUITS
4. CLEAR BEDDING (NO ROCK), SAND, OR SLURRY; MIN. 12" COVERAGE OVER CONDUIT
5. DETECTABLE WARNING TAPE TO BE LOCATED 12" BELOW FIN. GRADE ALONG ENTIRE TRENCH
6. BACK FILL

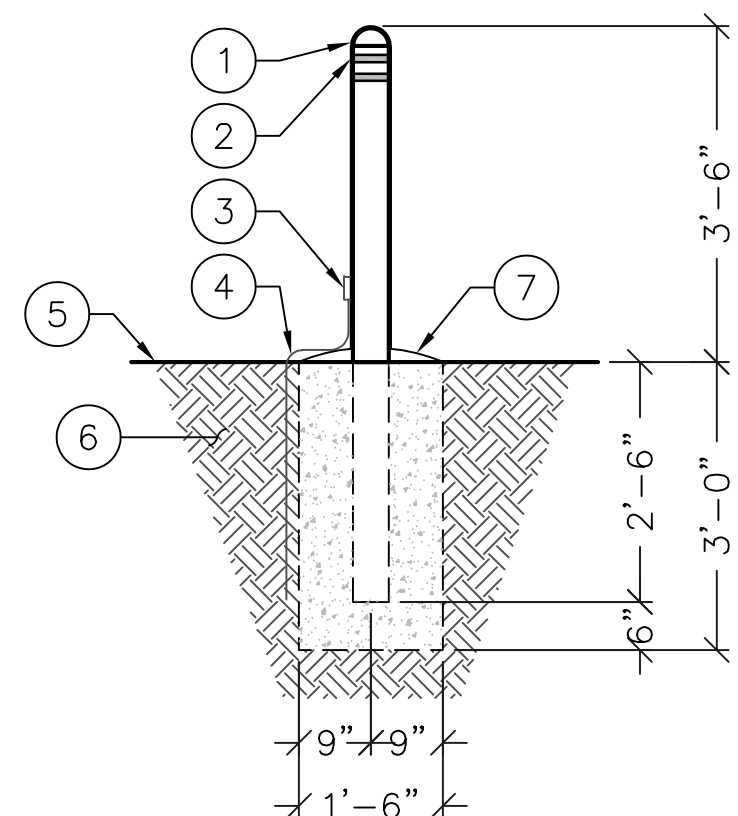


NOTE:
THIS DETAIL NOT APPLICABLE TO WATER LINE(S)

4 COAX TRENCH DETAIL

BOLLARD KEYED NOTES: #

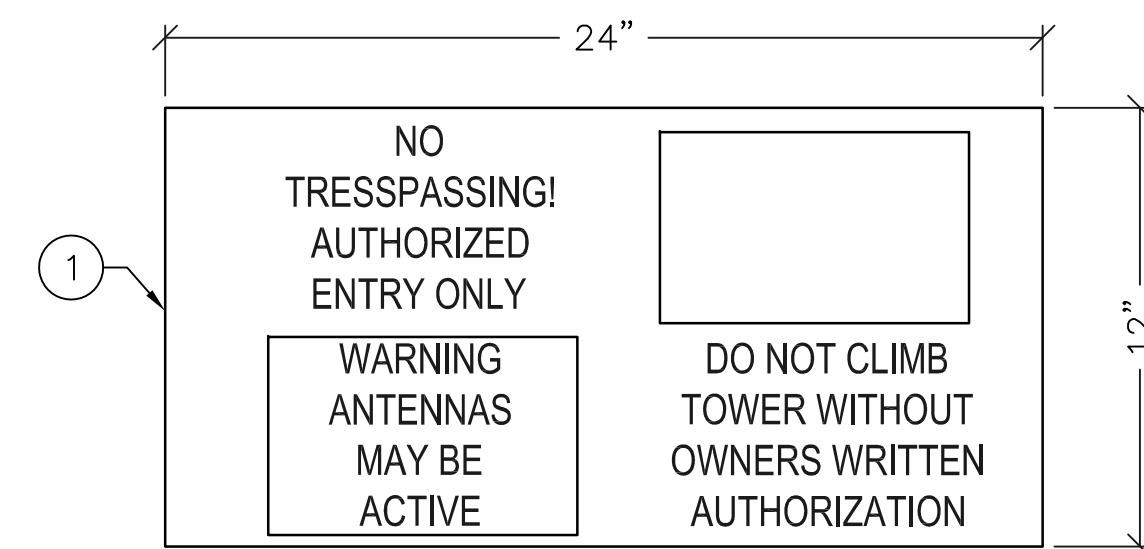
1. 4" CONCRETE FILLED SCH40 STEEL BOLLARD
2. PLASTIC BOLLARD COVER; COLOR: YELLOW WITH (2) BLACK STRIPES
3. EXOTHERMIC WELD (TYPE VS) TO STEEL BOLLARD - SLOT CUT FOR COVER
4. #2 AWG SOLID TINNED BARE COPPER CONDUCTOR TO GROUND RING
5. FINISHED GRADE
6. NATURAL SOIL
7. CAP FOR WATERSHED



5 BOLLARD TRENCH DETAIL SCALE: N.T.S.

NO TRESPASSING SIGN KEY NOTES: #

1. 24" WIDE 12" HIGH SIGN WITH WHITE LETTERS ON WHITE BACKGROUND



NOTE:
ALL FACILITY PLAQUES TO BE MOUNTED AT 5'-0" A.F.F.

9 NO TRESPASSING SIGN SCALE: N.T.S.



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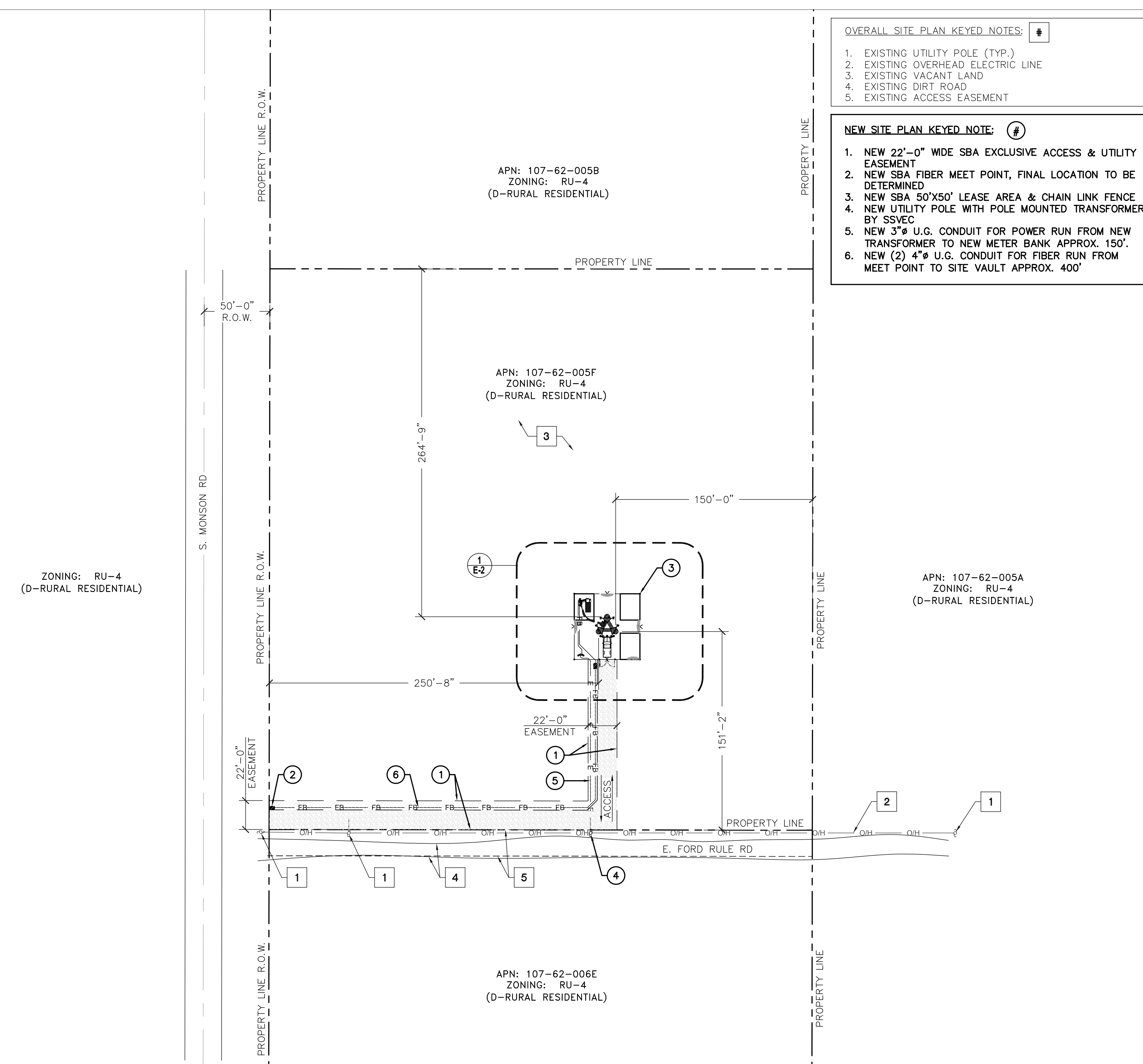
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SIERRA VISTA, AZ

DRAWN BY:	JN
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SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NO.
C-7



- OVERALL SITE PLAN KEYED NOTES: #
- EXISTING UTILITY POLE (TYP.)
 - EXISTING OVERHEAD ELECTRIC LINE
 - EXISTING VACANT LAND
 - EXISTING DIRT ROAD
 - EXISTING ACCESS EASEMENT

- NEW SITE PLAN KEYED NOTE: #
- NEW 22'-0" WIDE SBA EXCLUSIVE ACCESS & UTILITY EASEMENT
 - NEW SBA FIBER MEET POINT, FINAL LOCATION TO BE DETERMINED
 - NEW SBA 50'X50' LEASE AREA & CHAIN LINK FENCE
 - NEW UTILITY POLE WITH POLE MOUNTED TRANSFORMER BY SSVEC
 - NEW 3"Ø U.G. CONDUIT FOR POWER RUN FROM NEW TRANSFORMER TO NEW METER BANK APPROX. 150'
 - NEW (2) 4"Ø U.G. CONDUIT FOR FIBER RUN FROM MEET POINT TO SITE VAULT APPROX. 400'

NOTICE

- ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE, LATEST ADOPTED EDITION, AND LOCAL CODES.
- ALL ELECTRICAL MATERIALS, EQUIPMENT AND INSTALLATION PROCEDURES TO CONFORM WITH SBA SPECIFICATIONS.
- CONTRACTOR SHALL PERFORM ALL VERIFICATION TESTS AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ENGINEER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT & DISCREPANCIES.
- ELECTRICAL PLANS, DETAILS, AND DIAGRAMS ARE DIAGRAMMATIC ONLY. FIELD CONDITIONS DICTATE THE AMOUNT AND LOCATION OF EQUIPMENT.
- ALL MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NFPA, AND "UL" LISTED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY THE NEC, AND ALL APPLICABLE LOCAL CODES.
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A MINIMUM INTERRUPTING RATING GREATER THAN THE UTILITY FAULT CURRENT.
- FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO VENDOR PRINTS AND INSTRUCTIONS.
- PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
- PROVIDE SBA WITH ONE SET OF COMPLETE ELECTRICAL "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE JOB SHOWING ACTUAL ROUTINGS AND WIRING CONNECTIONS.
- LABEL ALL ELECTRICAL EQUIPMENT PER SBA SPECIFICATIONS.
- ALL SINGLE-PHASE SELF-CONTAINED METER CONNECTION DEVICES MUST INCLUDE HORN TYPE BY-PASS PROVISION SO THAT SERVICE WILL NOT BE INTERRUPTED WHEN A METER IS REMOVED FROM THE SOCKET.
- ALL EQUIPMENT PUNCH OUTS AND CONDUITS (USED AND SPARE) TO BE "RODENT PROOFED" WITH CAPS, STEEL MESH, AND/OR FOAM FILL BY CONTRACTOR (AS NEEDED).
- ALL INTERIOR CONDUITS AND BUSHINGS SHALL BE EMT. ALL EXTERIOR SHALL BE PVC UNLESS NOTED OTHERWISE. SEE SBA SPECIFICATIONS.
- NO SPOILS TO BE LEFT ON SITE WITHOUT THE WRITTEN CONSENT OF THE LANDOWNER
- CONTRACTOR TO PROVIDE 2 PHENOLIC LABELS AT METER. ONE TO IDENTIFY "SBA DISCONNECT" AND THE OTHER TO GIVE SITE ADDRESS.

CODE AND STANDARDS

ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 NEC NATIONAL ELECTRICAL CODE, LATEST ADOPTED EDITION
 NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
 NFPA NATIONAL FIRE PROTECTION ASSOCIATION
 UL UNDERWRITERS LABORATORIES, INC.

POWER & TELEPHONE GENERAL NOTES

- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIAL REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL WIRES, CABLE PULLBOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, AND INCLUDE ANY UTILITY COMPANY REQUIREMENTS IN SCOPE OF WORK.
- UTILITY CONTACTS

TELEPHONE COMPANY: _____ POWER COMPANY: _____

COMPANY NAME: _____ COMPANY NAME: SSVEC
 ADDRESS: _____ ADDRESS: _____
 CITY, STATE, ZIP: _____ CITY, STATE, ZIP: _____
 PHONE NUMBER: _____ PHONE NUMBER: _____
 CONTACT: _____ CONTACT: _____

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22"x34" SCALE: 1" = 40'-0"
 11"x17" SCALE: 1" = 80'-0"

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E	03/20/18						

SITE I.D.: **AZ17744**

SITE NAME: **AZ6 BARATARIA**

SITE ADDRESS: **E. FORD RULE ROAD
SIERRA VISTA, AZ**

DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
UTILITY SITE PLAN

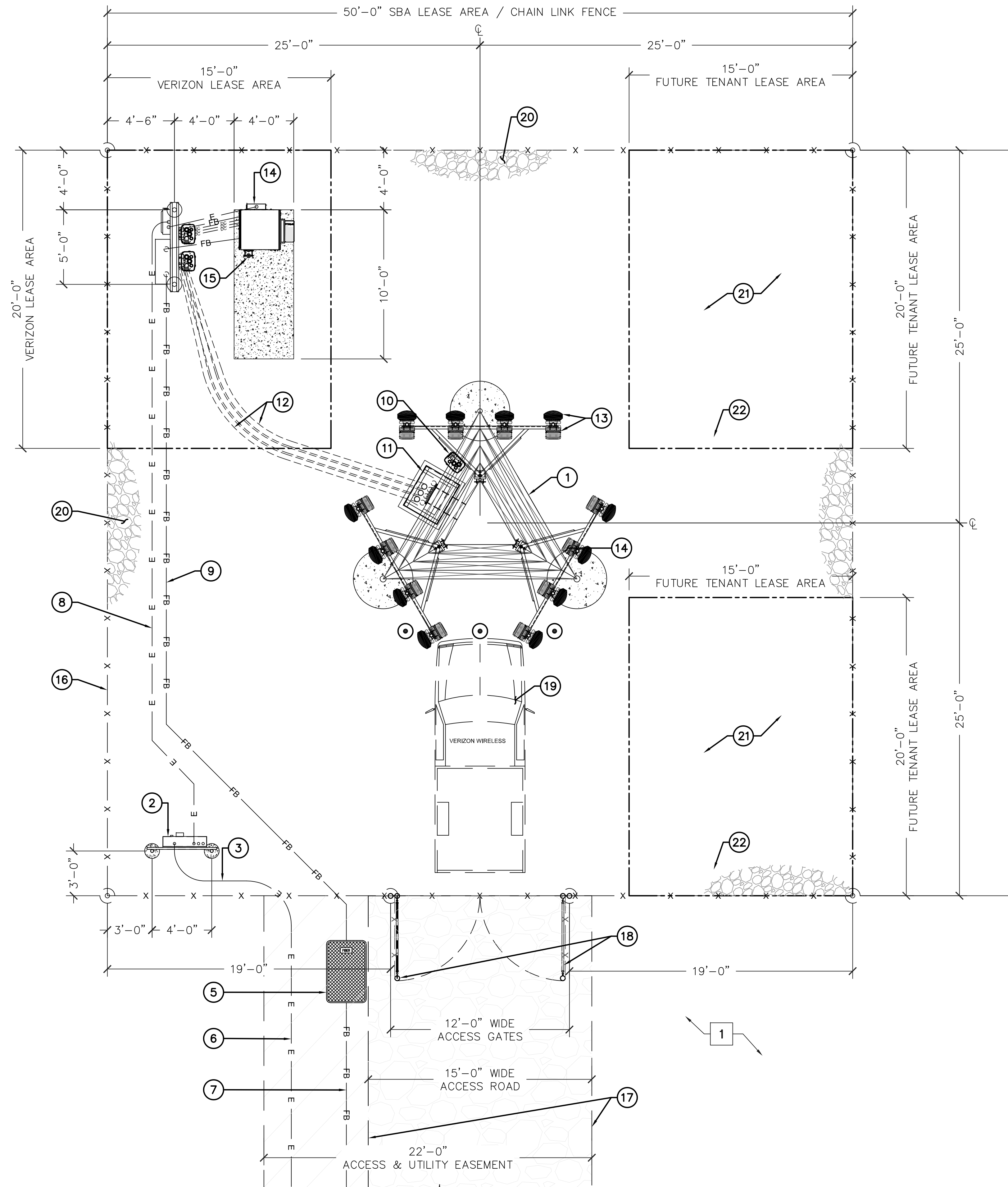
SHEET NO.
E-1

ENLARGED SITE PLAN KEYED NOTES: #

1. EXISTING VACANT LAND

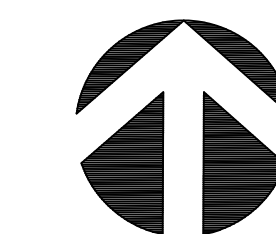
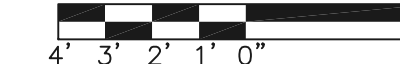
ENLARGED SITE PLAN KEYED NOTES: #

1. NEW SBA 150' SELF-SUPPORT TOWER, STRUCTURAL ANALYSIS BY OTHERS
2. NEW METER BANK MOUNTED ON NEW H-FRAME, SEE DETAIL 4 ON SHEET E-3
3. NOT USED
4. NOT USED
5. NEW FIBER SITE VAULT, FIELD VERIFY EXACT LOCATION & REQUIREMENTS
6. NEW 3" U.G. CONDUITS FOR POWER ROUTE FROM NEW TRANSFORMER TO METER BANK APPROX. 150', SEE DETAIL 2 ON SHEET E-3.
7. NEW (2) 4" U.G. CONDUITS FOR FIBER ROUTE FROM SOURCE TO SITE VAULT APPROX. 400', SEE DETAIL 1 ON SHEET E-3.
8. NEW 2.5" U.G. CONDUITS FOR POWER ROUTE FROM NEW METER BANK TO NEW DISCONNECT APPROX. 45', SEE DETAIL 3 ON SHEET E-3.
9. NEW 4" U.G. CONDUITS FOR FIBER ROUTE FROM FIBER SITE VAULT TO FIBER BOX APPROX. 50', SEE DETAIL 3 ON SHEET E-3.
10. NEW J-BOX MOUNTED TO NEW STANDOFFS (TYP.)
11. NEW DOG HOUSE AT BASE OF TOWER & (3) 4" U.G. CONDUITS FROM DOG HOUSE TO OPVs H-FRAME, SEE DETAIL 3 ON SHEET A-7
12. NEW (3) 4" U.G. CONDUITS FOR HYBRID CABLE RUNS, SEE DETAIL 4 ON SHEET A-7
13. NEW (4) ANTENNAS & (4) RRs PER SECTOR, (3) SECTORS MOUNTED TO NEW STANDOFFS
14. NEW CABINET MOUNTED ON NEW CONCRETE PAD, SEE DETAIL 1 ON SHEET C-7
15. NEW GPS ANTENNA MOUNTED ON NEW CABINET, SEE DETAIL 6 ON SHEET C-7
16. NEW 8' TALL CHAIN LINK FENCE TO MATCH EXISTING CHAIN LINK FENCE, SEE DETAIL 6 ON SHEET C-5
17. NEW 15' WIDE ACCESS ROAD, SEE DETAIL 1 ON SHEET C-5
18. NEW 12'-0" WIDE DOUBLE ACCESS GATES, SEE DETAIL 6 ON SHEET C-5
19. NEW NON-EXCLUSIVE TECH PARKING
20. NEW SITE GRAVEL (ALL COMPOUND), SEE DETAIL 2 ON SHEET C-5
21. FUTURE TENANT LEASE AREA (TYP.)



1 ENLARGED POWER PLAN

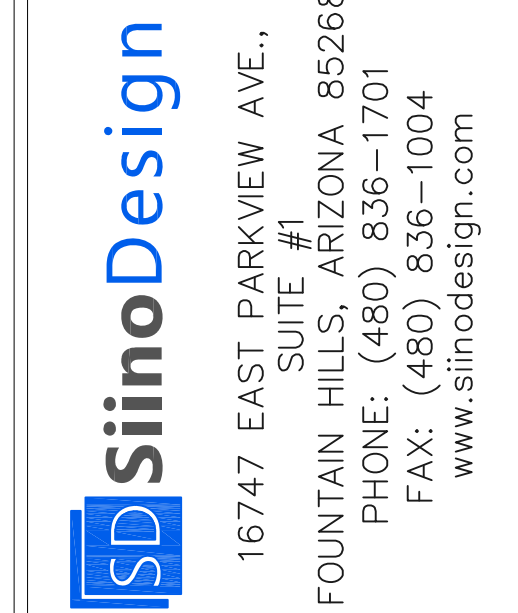
22"x34" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



NORTH



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SITE I.D.: AZ17744

SITE NAME: AZ6 BARATARIA

SITE ADDRESS: E. FORD RULE ROAD
SIERRA VISTA, AZ

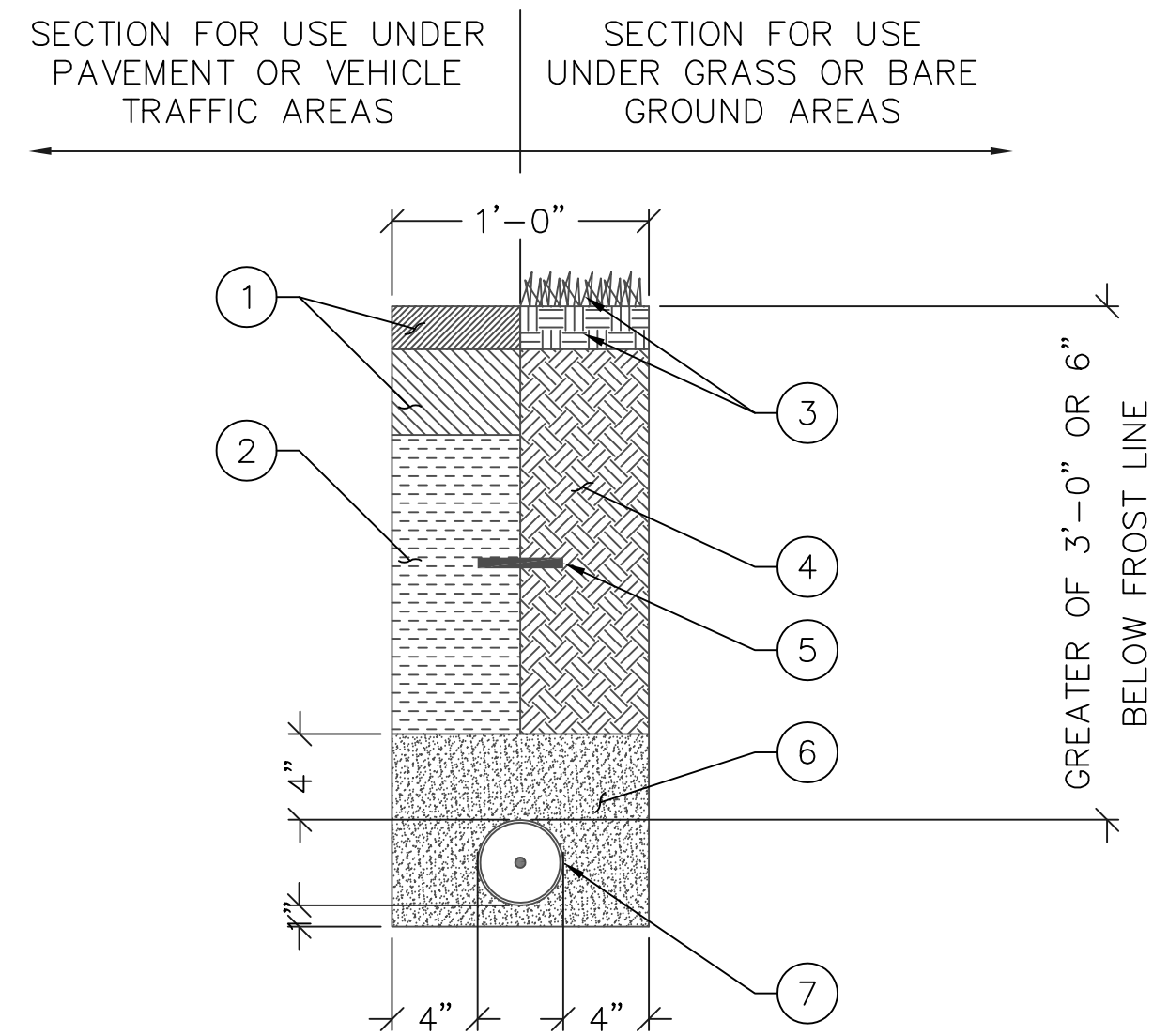
DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
ENLARGED POWER PLAN

SHEET NO.
E-2

FIBER TRENCH KEYED NOTES: #

- RESTORE SURFACE COURSE AND BASE COURSE MATERIAL TO ORIGINAL CONDITION
- GRAVEL BASE COMPACTED TO 90% STANDARD PROCTOR MAXIMUM DRY DENSITY
- RESEED AS NEEDED
- COMPACTED NATIVE SOIL
- WARNING TAPE
- SAND
- 4"Ø PVC SCH. 40 CONDUIT FOR FIBER SERVICE



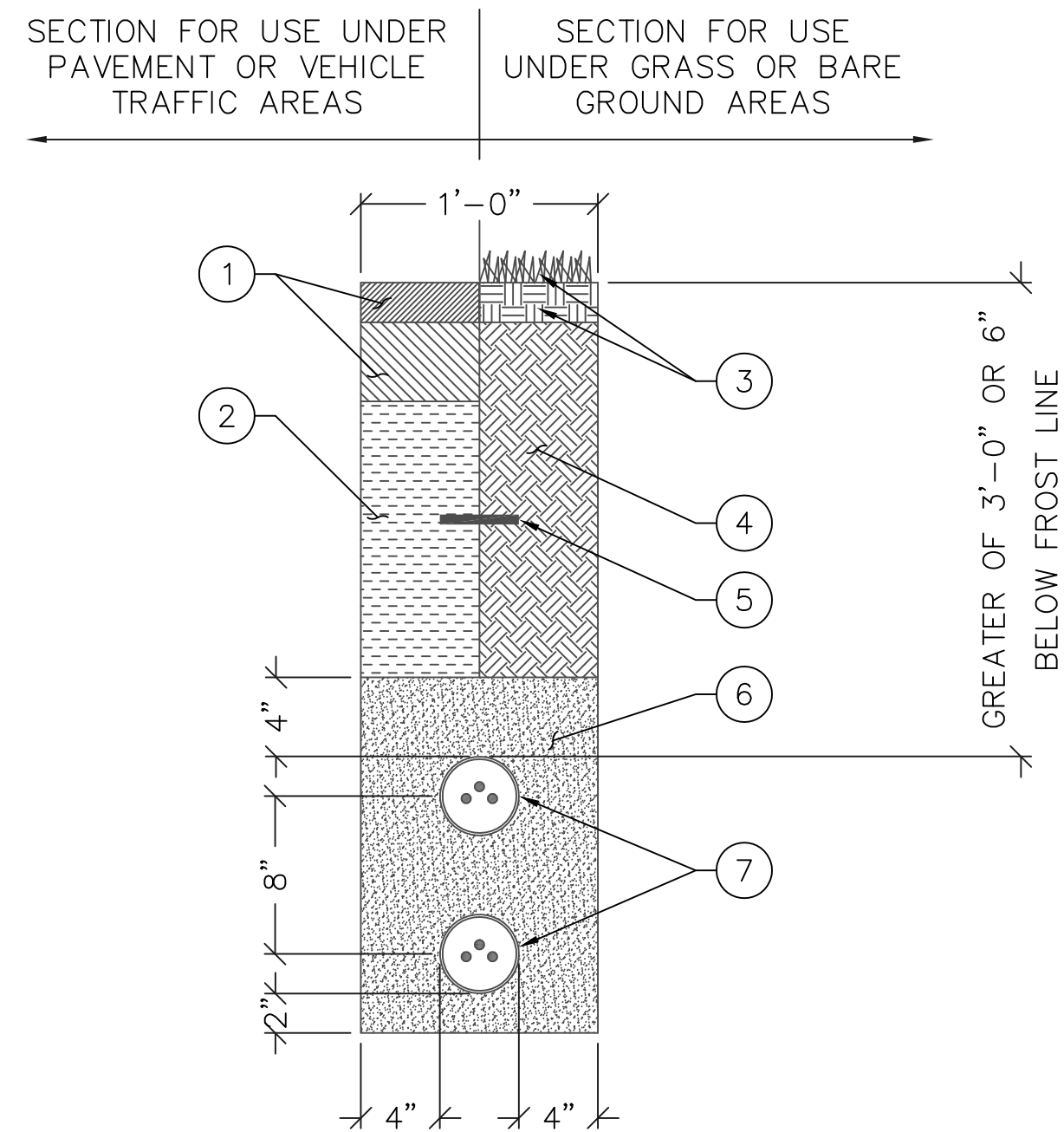
NOTE:
THIS DETAIL NOT APPLICABLE
TO WATER LINE(S)

1 FIBER TRENCH DETAIL

SCALE: N.T.S.

HIGH VOLTAGE TRENCH KEYED NOTES: #

- RESTORE SURFACE COURSE AND BASE COURSE MATERIAL TO ORIGINAL CONDITION
- GRAVEL BASE COMPACTED TO 90% STANDARD PROCTOR MAXIMUM DRY DENSITY
- RESEED AS NEEDED
- COMPACTED NATIVE SOIL
- WARNING TAPE
- SAND
- (2) 4"Ø PVC SCH. 40 CONDUIT FOR ELECTRICAL SERVICE

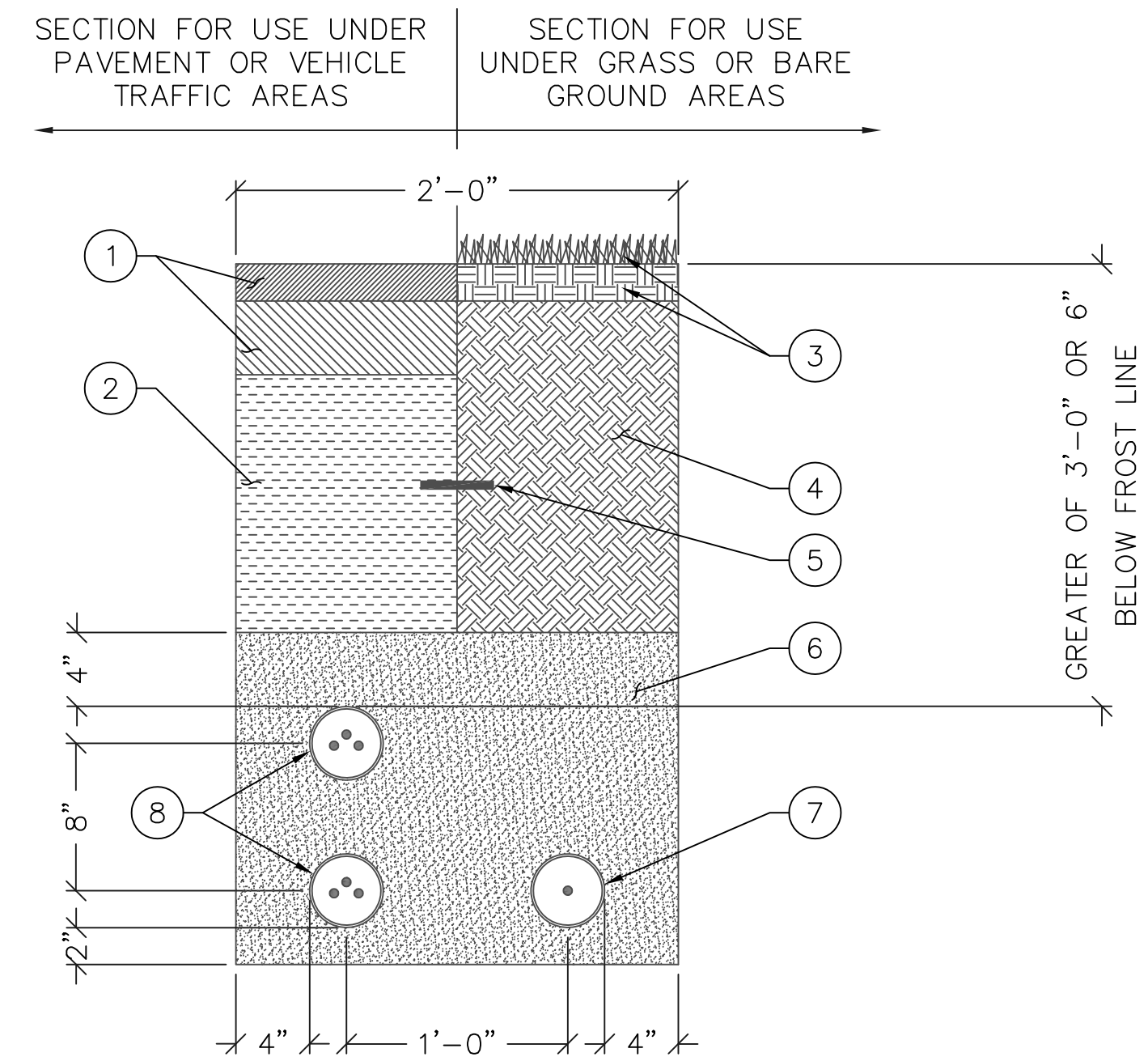


2 ELECTRICAL TRENCH DETAIL

SCALE: N.T.S.

HIGH VOLTAGE TRENCH KEYED NOTES: #

- RESTORE SURFACE COURSE AND BASE COURSE MATERIAL TO ORIGINAL CONDITION
- GRAVEL BASE COMPACTED TO 90% STANDARD PROCTOR MAXIMUM DRY DENSITY
- RESEED AS NEEDED
- COMPACTED NATIVE SOIL
- WARNING TAPE
- SAND
- 4"Ø PVC SCH. 40 CONDUIT FOR FIBER SERVICE
- (2) 4"Ø PVC SCH. 40 CONDUIT FOR ELECTRICAL SERVICE

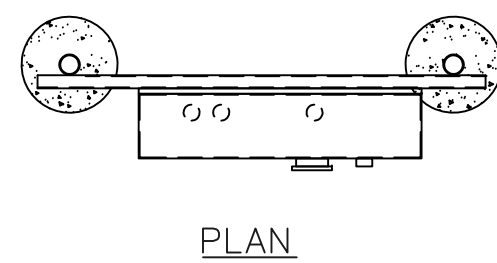


3 JOINT UTILITY TRENCH DETAIL

SCALE: N.T.S.

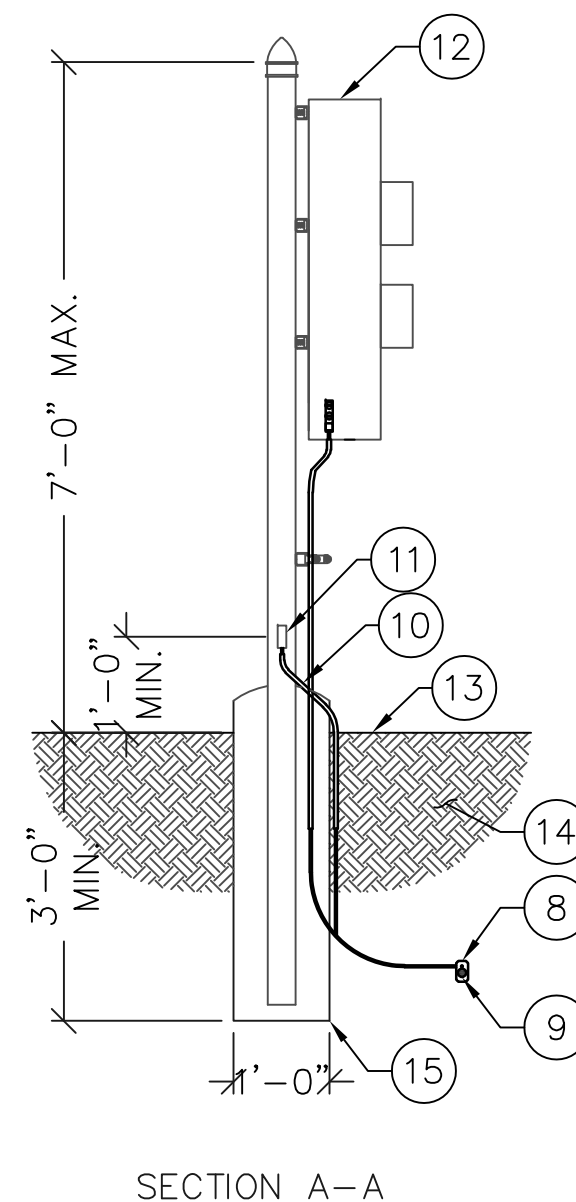
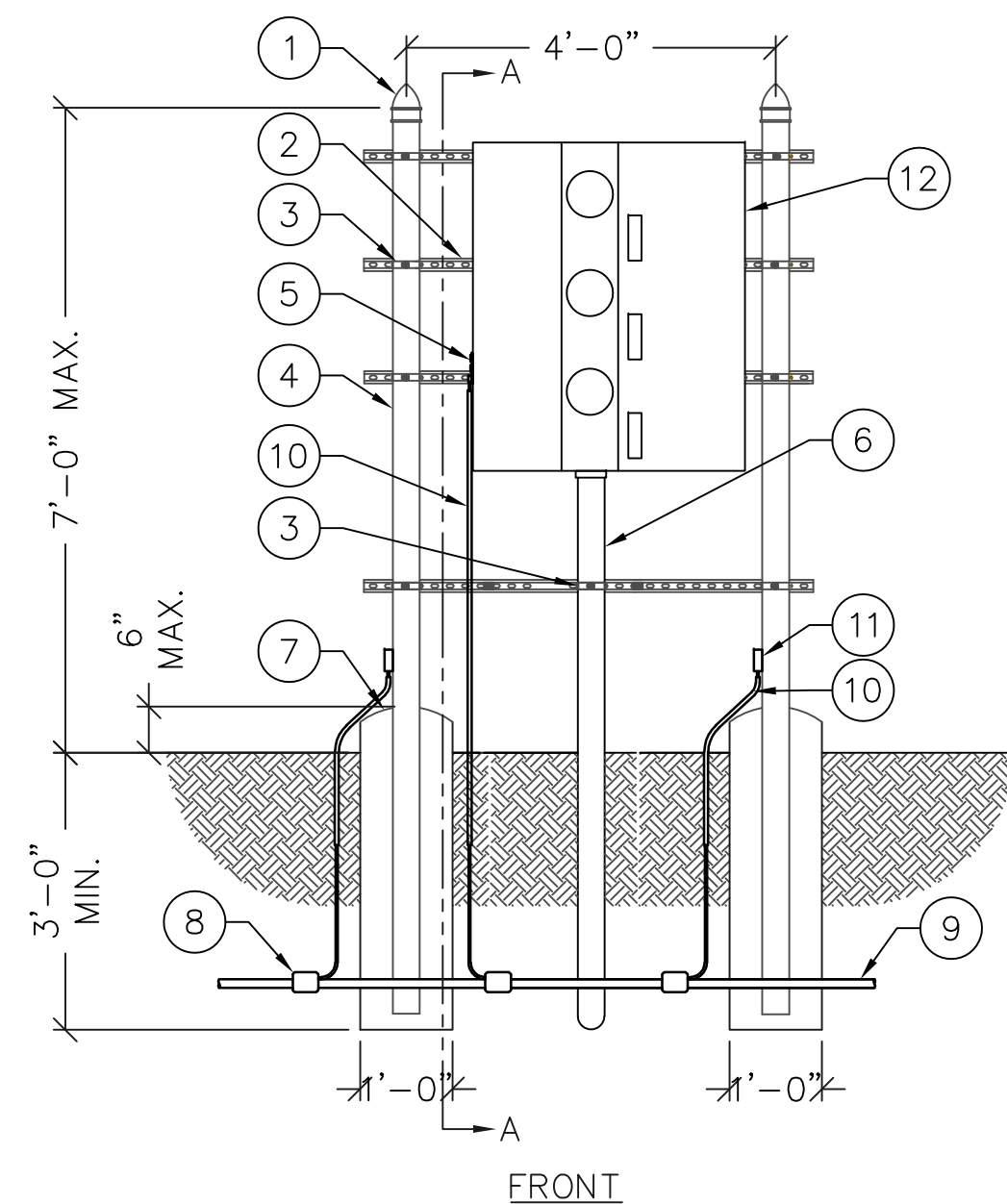
H-FRAME POST KEYED NOTES: #

- PIPE CAP 3/2" (TYP.)
- 1 1/8"x1 1/8"x12 GAUGE GALV. CHANNEL (TYP.)
- UNISTRUT P-1119 GALV. SUPPORT PIPE CLAMP (TYP.)
- H-FRAME DIRECT BURIAL 3 1/2" PIPE COLUMN (TYP.)
- MECHANICAL GROUND BONDING (TYPE YA-2) (TYP.)
- RIGID CONDUIT
- ROUND TOP OF FOUNDATION
- EXOTHERMIC WELD (TYPE PT) (TYP.)
- GROUND RING
- #2 AWG SOLID TINNED BARE COPPER CONDUCTOR ROUTED IN FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT (CARFLEX) (TYP.)
- EXOTHERMIC WELD (TYPE VS)
- 3 GANG METER BANK SERVICE, NEMA 3R
- FINISHED GRADE OR ASPHALT
- NATURAL SOIL
- CONCRETE FOUNDATION, 2500 PSI



H-FRAME SUPPORT PIPE NOTES:

- 3" RGS (RIGID GALVANIZED STEEL) CONDUIT SHALL BE A MAXIMUM LENGTH OF 10 FEET.
- THE 3" RGS CONDUIT SHALL BE PLACED IN THE CENTER OF A 12" MINIMUM DIAMETER CONCRETE FOOTING. THE FOOTING SHALL BE A MINIMUM OF 36" IN THE GROUND AND EXTEND A MINIMUM OF 4" ABOVE GROUND LEVEL AND HAVE A 1/2" SLOPE AWAY FROM THE CONDUIT TO ALLOW FOR DRAINAGE



4 UTILITY H-FRAME

SCALE: N.T.S.



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E	03/20/18	UPDATED EASEMENT

SITE I.D.:

AZ17744

SITE NAME:

AZ6 BARATARIA

SITE ADDRESS:

E. FORD RULE ROAD
SIERRA VISTA, AZ

DRAWN BY: JN

CHECKED BY: YJ

DATE: 3/20/2018

PROJECT #: AZ17744-B

SHEET TITLE:

UTILITY DETAILS

SHEET NO.

E-3

NEW ILC PANEL ELECTRICAL PANEL SCHEDULE												
25KAIC/10KAIC SERIES RATED												
LOCATION: MOUNTED ON EQUIPMENT												
MOUNTING: SURFACE												
NEMA RATING: 3R												
VOLTAGE: 240 / 120 V 1 ϕ , 3W												
MAINS: 200 A MCB												
BUS: 200 A CU												
LOAD DESCRIPTION	EMT COND	CU GRND	PHASE NEUT	CKT BRKR	CKT NO.	PHASE A	LOAD AMPS	CKT NO.	PHASE NEUT	CU GRND	EMT COND	LOAD DESCRIPTION
RECTIFIER #1	3/4"	10	10	30	1	13.3		2		10	3/4"	RECTIFIER #5
					3	13.3		4				
					5	13.3		6				RECTIFIER #6
					7	13.3		8				
					9	13.3		10				RECTIFIER #7
					11	13.3		12				
					13	13.3		14				RECTIFIER #8
					15	13.3		16				
					17	13.3		18				SURGE SUPPRESSOR
BLANK					19	1.5		20				SPARE
GFCI	3/4"	12	12	15	1			2				
SPARE					21			22				
SPARE					23			24				
SPARE					25			26				
SPARE					27			28				
SPARE					29			30				
AMPS PER PHASE (CODE LOAD)					107.9	106.4	CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.					
1 PHASE DEMAND (KVA)					0.0	0.0	SYMBOL LIST					
RECEPTACLES					180.0	0.0						
RECTIFIERS					25,536.0	0.0						
MECH (LARGEST) @ 125%					0.0	0.0						
TOTAL VA					25.7 KVA @ 208 V 1 ϕ	123.6 A @ 208 V 1 ϕ						

CODE LOAD SUMMARY
AC PANEL @ 208V = 123.6A

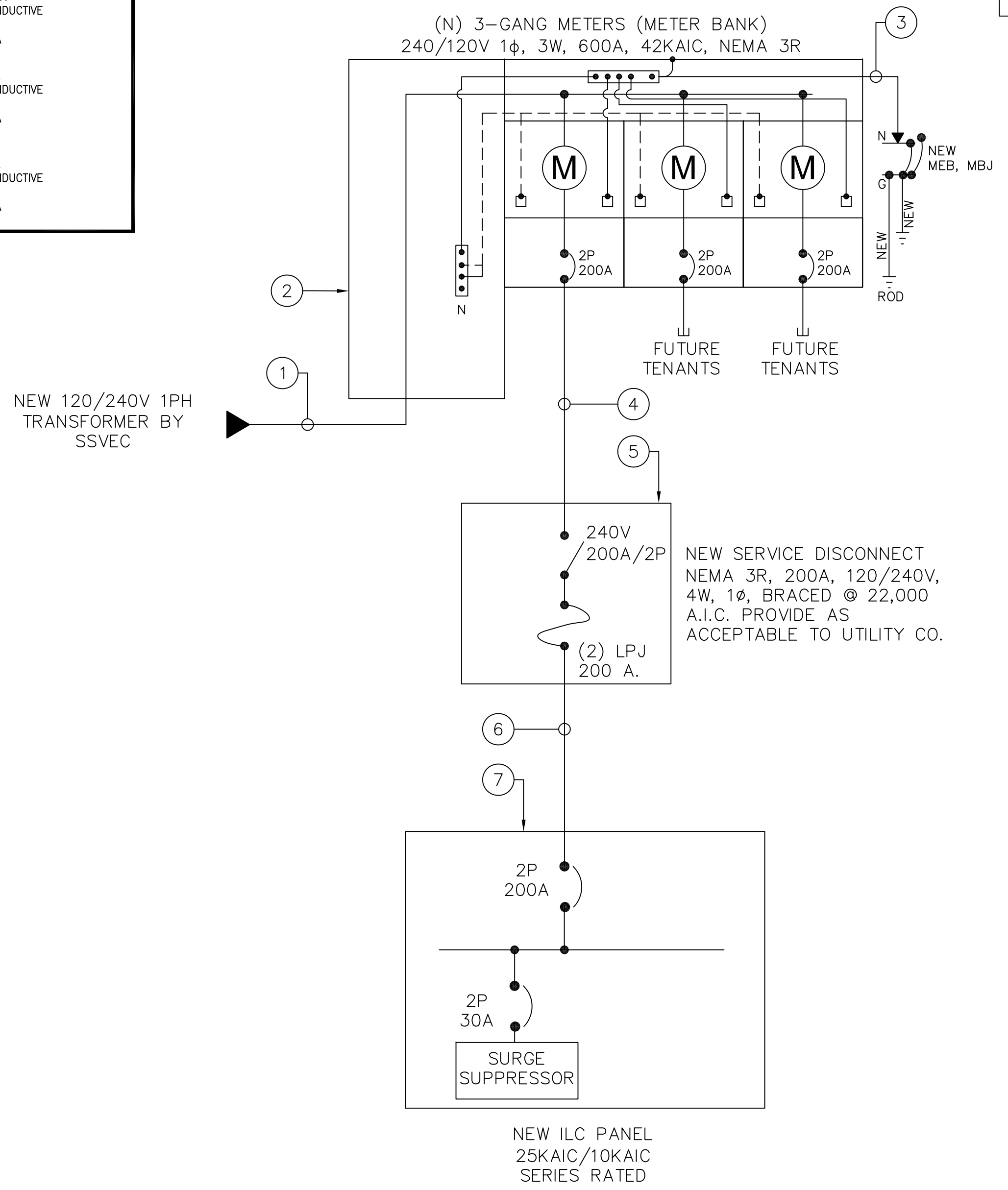
ALL CIRCUIT BREAKERS AND/OR FUSES SHALL BE SERIES RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT INDICATED. THE SERIES COMBINATION RATINGS SHALL BE MARKED ON THE EQUIPMENT BY THE MANUFACTURER IN ACCORDANCE WITH NEC ARTICLE 110.22 & 240.86.

NOTE:
PROVIDE WARNING LABELS FOR BOTH THE PANEL AND MAIN DISCONNECT. THE MARKING SHALL BE READILY VISIBLE AND STATE THE FOLLOWING:
CAUTION - SERIES COMBINATION SYSTEM RATED ___ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.
PER N.E.C. 110.22

- NOTES:
- #6 COPPER WIRE AND COARSER SHALL BE (COPPER) THWN WIRE OR (COPPER) XHHW.
 - PRIOR TO RUNNING CONDUIT ROUTE - CONTRACTOR SHALL CONTACT THE VERIZON PROJECT MANAGER AND VERIFY THE EQUIPMENT CABINET LAYOUT CONFIGURATION AND ROUTE CONDUITS ACCORDINGLY.
 - PRE-CONSTRUCTION MEETING AND ELECTRICAL EASEMENT REQUIRED.

FAULT CALCULATIONS

FAULT AVAILABLE AT THE SERVICE:	22,000 AMPS RMS SYMM PER UTILITY CHART 120/240V, 1PH
SERVICE VOLTAGE:	
METER BANK	
DISTANCE	150 Feet
CONDUIT TYPE	NONCONDUCTIVE #4/0
CONDUCTOR	
FAULT AVAILABLE L-L:	8,132 A
SECONDARY DISCONNECT	
DISTANCE	45 Feet
CONDUIT TYPE	NONCONDUCTIVE #4/0
CONDUCTOR	
FAULT AVAILABLE L-L:	6,875 A
ILC PANEL	
DISTANCE	15 Feet
CONDUIT TYPE	NONCONDUCTIVE #3/0
CONDUCTOR	
FAULT AVAILABLE L-L:	6,444 A



- CONSTRUCTION KEYED NOTES: #
- (2) 2.5" C (PVC) APPROX. 150' CABLES BY UTILITY CO.
 - U/G PULL SECTION
 - 3/4" C (PVC) WITH #2 AWG TO 5/8" ϕ x 10' L GROUND ROD
 - 2.5" C (PVC) - (3) #4/0 + (1) #4 GND. APPROX. 45' MOUNTED ON H-FRAME
 - FUSED DISCONNECT SWITCH 240V, 2P, 200A, NEMA 3R, MOUNTED ON H-FRAME
 - 2" C (EMT) - (3) #3/0 + (1) #4 GND. APPROX. 15'
 - PANEL "A" 225A RATED, 25KVAIC 120/204V, 1 ϕ , 3W, NEMA 3R FURNISHED AND INSTALLED AT THE SIDE OF EQUIPMENT BY EQUIPMENT MANUFACTURER

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SITE I.D.: **AZ17744**

SITE NAME: **AZ6 BARATARIA**

SITE ADDRESS: **E. FORD RULE ROAD SIERRA VISTA, AZ**

DRAWN BY: **JN**

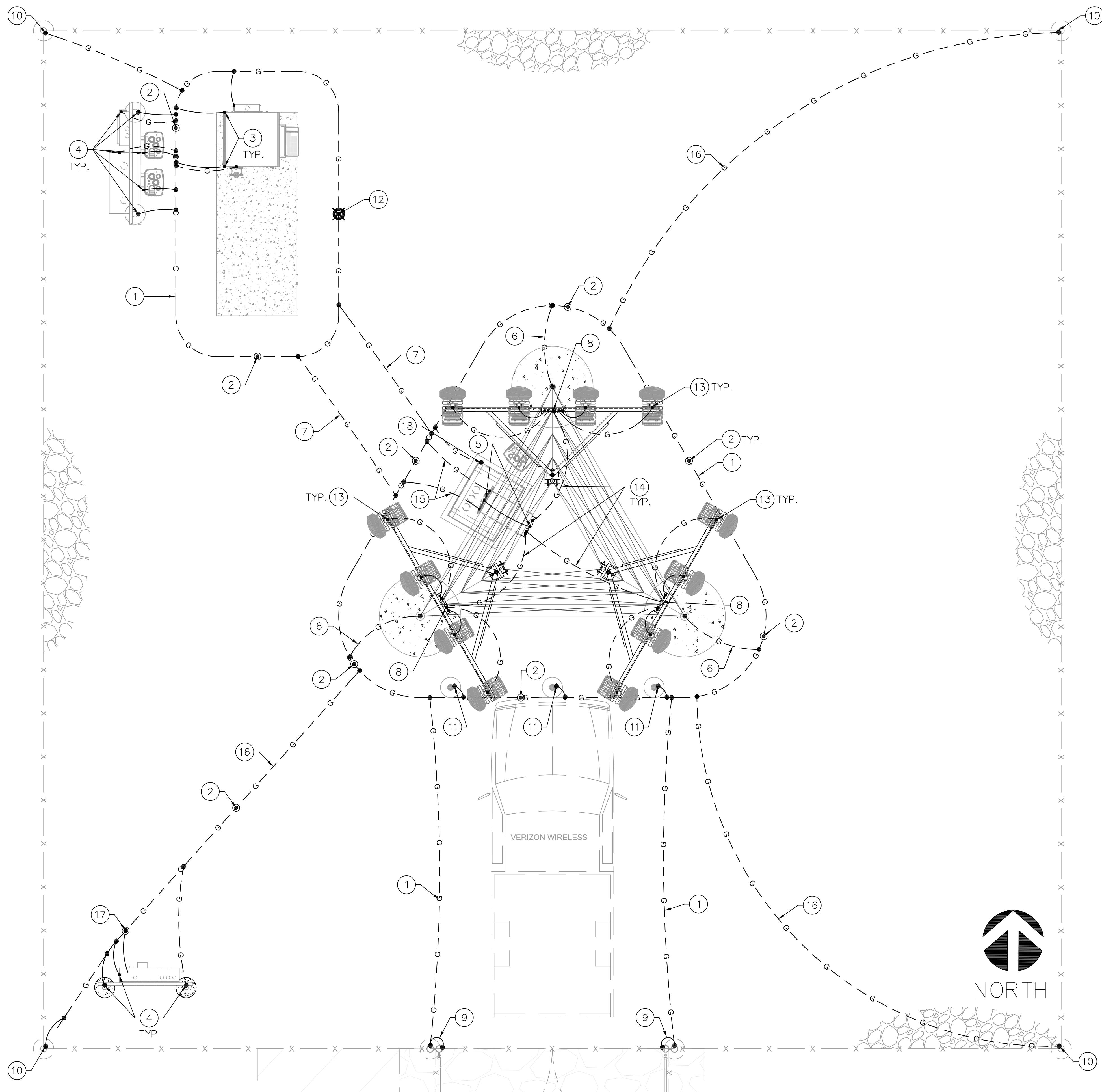
CHECKED BY: **YJ**

DATE: **3/20/2018**

PROJECT #: **AZ17744-B**

SHEET TITLE:
SINGLE LINE DIAGRAM & PANEL SCHEDULE

SHEET NO.
E-4



LEGEND:

	TINNED SOLID ALLOY 110 COPPER TOWER /ANTENNA BUS BAR BONDED TO SELF-SUPPORT TOWER STEEL
	ELECTROLYTIC GROUND ROD WITH TEST WELL, REFER TO DETAIL 9 ON SHEET EG-2
	5/8" DIA. x 10' COPPER CLAD GROUND ROD. REFER TO DETAIL 5 ON SHEET EG-2
	GROUND RING
	EXOTHERMIC WELD OR IRREVERSIBLE HIGH-COMPRESSION CRIMP
	MECHANICAL CONNECTION

- GENERAL NOTES:**
- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
 - INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
 - PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
 - REFER TO EG-2 FOR GROUNDING DETAILS.
 - ALL METALLIC SURFACES SHALL BE PREPARED PRIOR TO BONDING, COLD GALV. SPRAY SHALL BE USED ON ANY EXOTHERMIC WELD TO PREVENT CORROSION, ANY AREA TO BE COLD GALV. SPRAY SHALL BE TAPED OFF PRIOR TO APPLICATION.

- CONSTRUCTION KEYED NOTES: (#)**
- GROUNDING ELECTRODE CONDUCTOR SYSTEM (GROUND RING), #2 AWG SOLID BARE TINNED COPPER CONDUCTOR. GROUNDING ELECTRODE CONDUCTOR SHALL BE BURIED 30" BELOW GRADE WHERE APPLICABLE. ABOVE GRADE GROUNDING ELECTRODE CONDUCTOR TO BE ROUTED IN FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT & FASTENED TO CONCRETE SURFACE EVERY 3' MAX. FASTENERS SHALL BE FLEXIBLE CONDUIT HALF STRAPS W/ 1/4"Ø x 2" (L) RED HEAD HAMMER-SET NAIL DRIVE ANCHOR OR EQUIV.
 - 5/8" DIA. x 10' LONG COPPER CLAD GROUND ROD PLACED MINIMUM EVERY 10' APART, SEE DETAIL 5 ON SHEET EG-2.
 - BOND CABINET FRAMING TO GROUND RING PER CABINET MANUFACTURER SPECS (TYP.), SEE DETAIL 3 ON SHEET EG-2.
 - BOND ELECTRICAL EQUIPMENT HOUSING AND UTILITY H-FRAME TO GROUND RING, SEE DETAIL 4 ON SHEET E-3.
 - TOWER GROUND BAR (TOP AND BOTTOM OF POLE).
 - BOND SELF-SUPPORT TOWER BASE PLATE (AT MANUFACTURER INSTALLED BONDING TAB) TO GROUND RING. UNDER NO CIRCUMSTANCES WILL EXOTHERMIC WELDING BE PERMITTED ON THE POLE TRUNK, TYPICAL 3 LOCATIONS. SEE DETAIL 2 ON SHEET EG-2.
 - BOND SELF-SUPPORT TOWER GROUND RING TO THE EQUIPMENT GROUND RING WITH #2 AWG SOLID BARE TINNED COPPER CONDUCTOR
 - ANTENNA GROUND BUS BAR EACH SECTOR. SEE DETAIL 7 ON SHEET EG-2.
 - BOND GATE TO GATE POST VIA #2 GATE BOND JUMPER.
 - BOND TO FENCE FABRIC SUPPORT POST. REFER TO DETAIL 1 ON SHEET EG-2 (TYP.).
 - PROVIDE CONCRETE ENCASED ELECTRODE AT BOLLARDS.
 - GROUND TEST WELL. REFER TO DETAIL 9 ON SHEET EG-2.
 - BOND ANTENNA SUPPORT PIPE & RRRH TO ANTENNA GROUND BAR WITH #2 AWG (TYP.).
 - BOND ANTENNA GROUND BAR TO TOWER GROUND BAR WITH #2 AWG INSULATED COPPER GROUND WIRE (TYP.).
 - BOND TOWER GROUND BUS BAR. BOND TO GROUND RING WITH #2 AWG SOLID TINNED BARE COPPER CONDUCTOR. BOND TO TOWER GROUND BUS BAR DIRECTLY TO TOWER STEEL. REFER TO DETAIL 6 ON SHEET EG-2.
 - #2 AWG SOLID BARE TINNED COPPER CONDUCTOR
 - 5/8" DIA. x 10' LONG COPPER CLAD SERVICE GROUND ROD, SEE DETAIL 5 ON SHEET EG-2.
 - BOND DOG HOUSE TO GROUND RING WITH #2 AWG

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SIERRA VISTA, AZ**

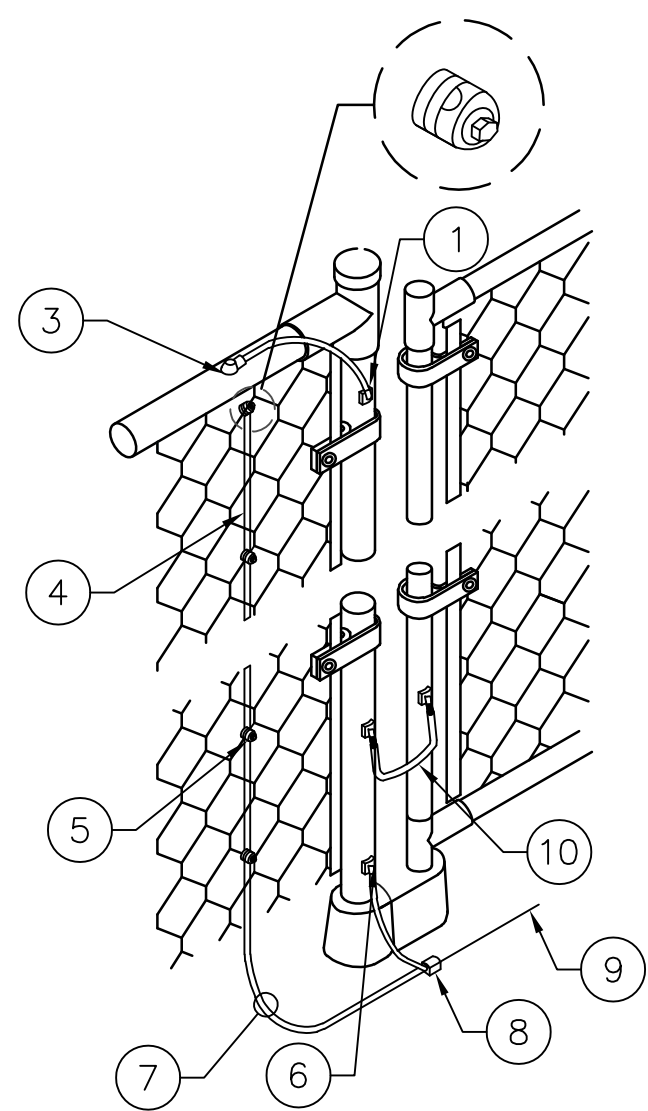
DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
**GROUNDING PLAN
& NOTES**

SHEET NO.
EG-1

CORNER FENCE GROUNDING KEYED NOTES: (#)

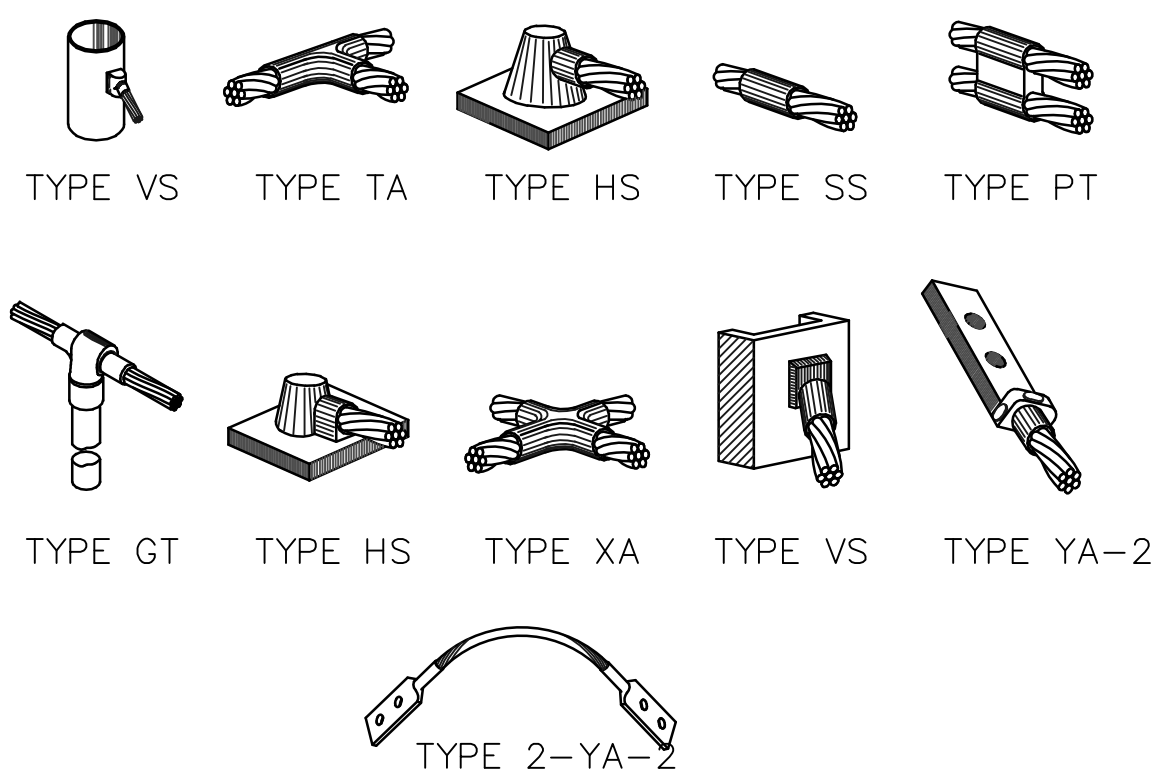
1. ERICO EXOTHERMIC WELD CONNECTION "VB" OR EQUIVALENT NOT USED.
2. ERICO EXOTHERMIC WELD CONNECTION "HA" OR EQUIVALENT
3. #2 AWG SOLID TINNED BARE COPPER WIRE, BOND FENCE FABRIC TO GROUND CONDUCTOR
4. FENCE FABRIC GROUNDING CLAMP (TYP.)
5. GROUND CONDUCTOR WITH ERICO EXOTHERMIC WELD "VS" OR EQUIVALENT
6. CONNECT FENCE BONDING CONDUCTOR TO EXTERNAL GROUNDING ELECTRODE SYSTEM USING EXOTHERMIC WELD OR IRREVERSIBLE HIGH COMPRESSION FITTING
7. ERICO EXOTHERMIC WELD CONNECTION "PC" OR EQUIVALENT TO GROUND RING
8. GROUNDING RADIAL TO SYSTEM GROUND RING
9. GATE JUMPER WITH ERICO EXOTHERMIC WELD "VS" OR EQUIVALENT



1 FENCE GROUNDING DETAILS

SCALE: N.T.S.

NOTE:
ERICO CADWELD "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH PROJECT MANAGER OR CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.

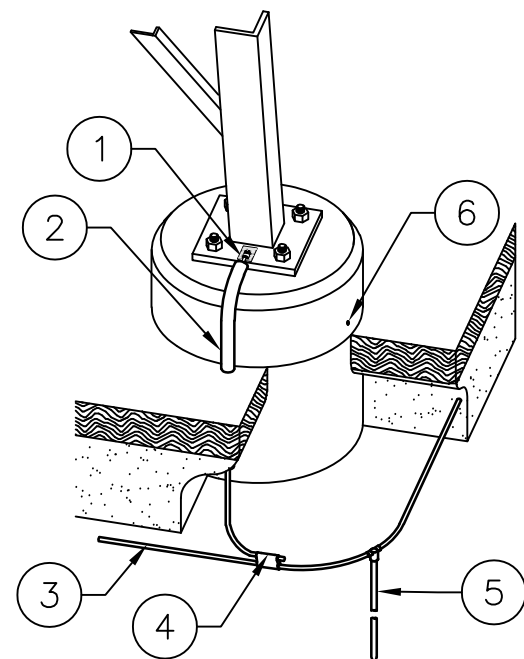


8 EXOTHERMIC WELD

SCALE: N.T.S.

SELF SUPPORT TOWER GROUNDING KEYED NOTES: (#)

1. EXOTHERMIC WELD TO MANUFACTURER INSTALLED BONDING TAB (TYP. FOR EACH LEG)
2. PVC OR FLEXIBLE NON-METALLIC CONDUIT (CARFLEX)
3. #2 AWG SOLID TINNED BARE COPPER CONDUCTOR (GROUND RING)
4. EXOTHERMIC WELD OR IRREVERSIBLE HIGH COMPRESSION FITTING
5. 5/8"Øx8" LONG COPPER CLAD GROUND ROD
6. WEEP HOLE



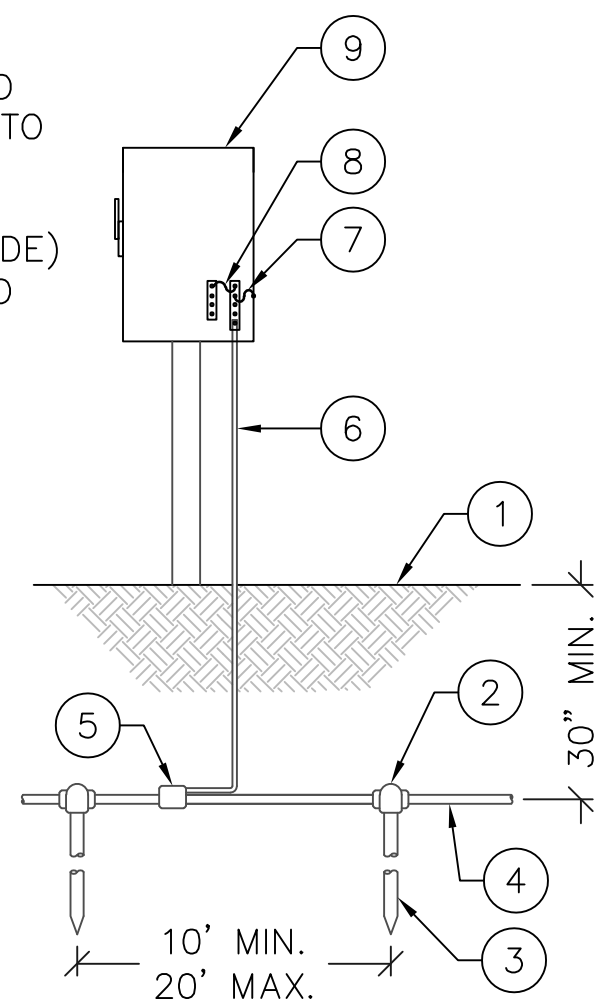
NOTES:
1. REFER TO TOWER MANUFACTURER SPECIFICATIONS FOR ADDITIONAL BONDING AND GROUNDING REQUIREMENTS
2. UNDER NO CIRCUMSTANCES WILL EXOTHERMIC WELDING BE PERMITTED ON THE TOWER LEG

2 TOWER GROUND DETAIL

SCALE: N.T.S.

GROUND ROD INSTALLATION KEYED NOTES:

1. FINISHED GRADE
2. EXOTHERMIC CONNECTION (TYPE GT)
3. 5/8"Øx10' LONG COPPER CLAD GROUND ROD WITH EXOTHERMIC CONNECTION TO GROUND RING
4. #2 AWG SOLID TINNED BARE COPPER WIRE (GROUND RING 30" BELOW GRADE)
5. EXOTHERMIC CONNECTION TO GROUND RING (TYPE PT)
6. #2 AWG SOLID TINNED BARE COPPER WIRE GROUND CONDUCTOR
7. #2 AWG COPPER MAIN EQUIPMENT BONDING JUMPER
8. #2 AWG COPPER MAIN BONDING JUMPER
9. DISCONNECT SWITCH



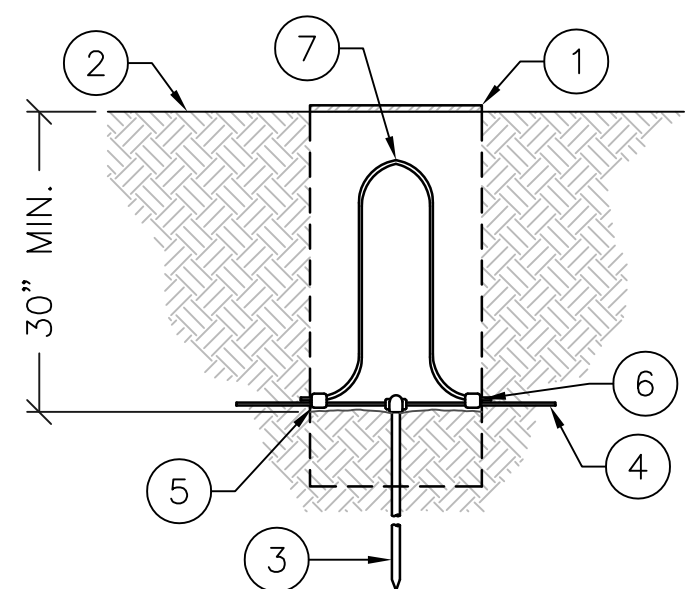
NOTES:
1. ALL GROUNDING AND BONDING AT THE SERVICE ENTRANCE SHALL COMPLY WITH NEC 250.28, 250.50, 250.66, 250.92, 250.102(C) & 250.56
2. GROUNDING SYSTEM RESISTANCE IS 25 OHMS OR LESS

5 GROUND ROD INSTALLATION

SCALE: N.T.S.

TEST WELL KEYED NOTES: (#)

1. 10"Øx42" DEEP PVC SLOTTED GROUND TEST WELL WITH 3/16" THICK STEEL COVER (HARGER #360P42 OR EQUIVALENT)
2. FINISHED GRADE
3. 5/8"Øx10' LONG COPPER CLAD GROUND ROD
4. #2 AWG SOLID TINNED BARE COPPER WIRE
5. EXOTHERMIC WELD (TYPE PT)
6. GROUND LEADS TO BE ROUTED THRU SLOTTED WELL
7. #2 AWG SOLID TINNED BARE COPPER WIRE TEST LOOP "OMEGA" (Ω) EXTENSION; CADWELD AS CLOSE TO THE GROUND ROD AS POSSIBLE

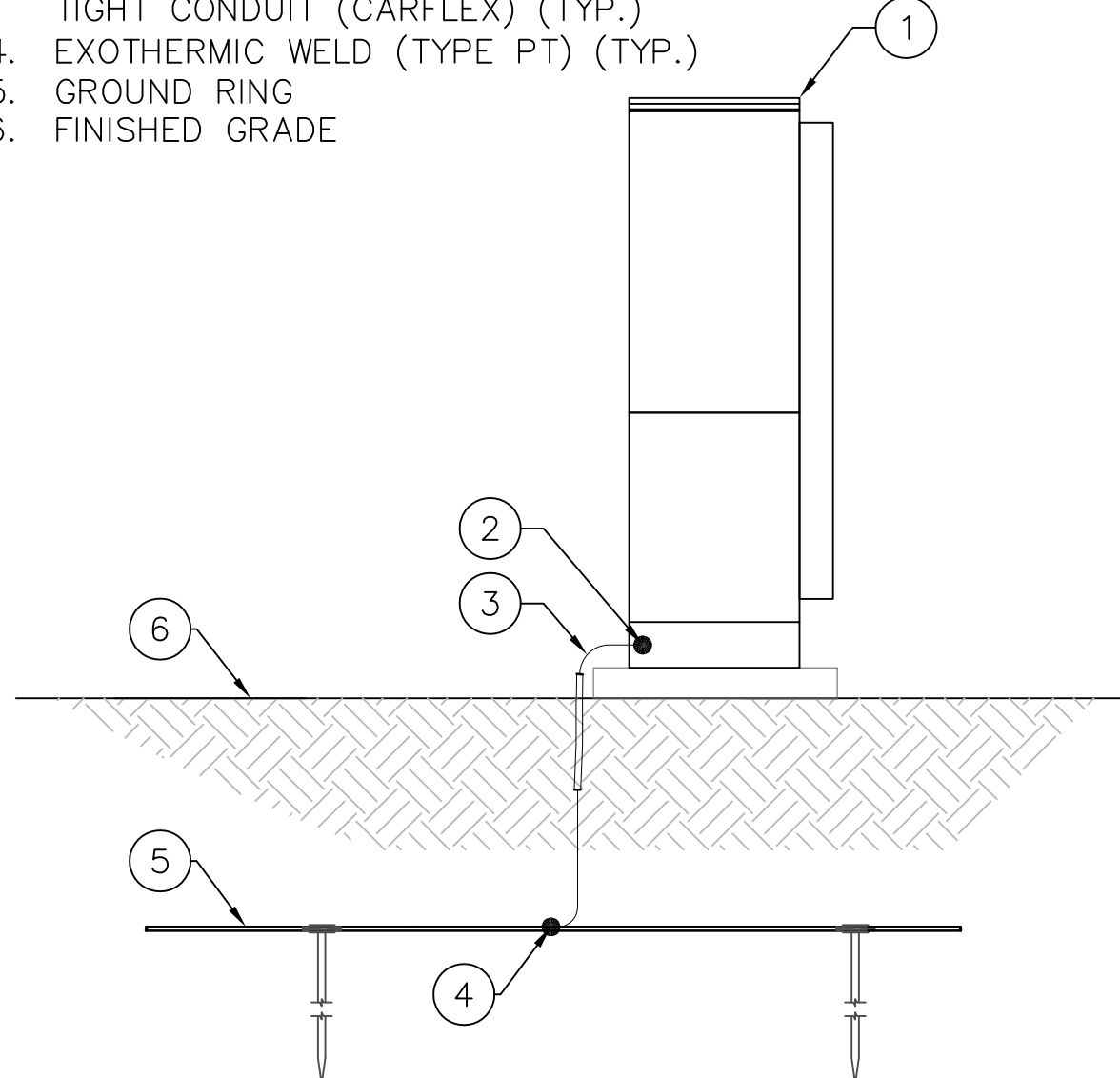


9 TEST WELL

SCALE: N.T.S.

EQUIPMENT CABINET KEYED NOTES: (#)

1. EQUIPMENT CABINET
2. EXOTHERMIC WELD (TYPE VS) (TYP.)
3. BOND EQUIPMENT CABINET WITH #2 AWG SOLID TINNED BARE COPPER CONDUCTOR ROUTED IN FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT (CARFLEX) (TYP.)
4. EXOTHERMIC WELD (TYPE PT) (TYP.)
5. GROUND RING
6. FINISHED GRADE

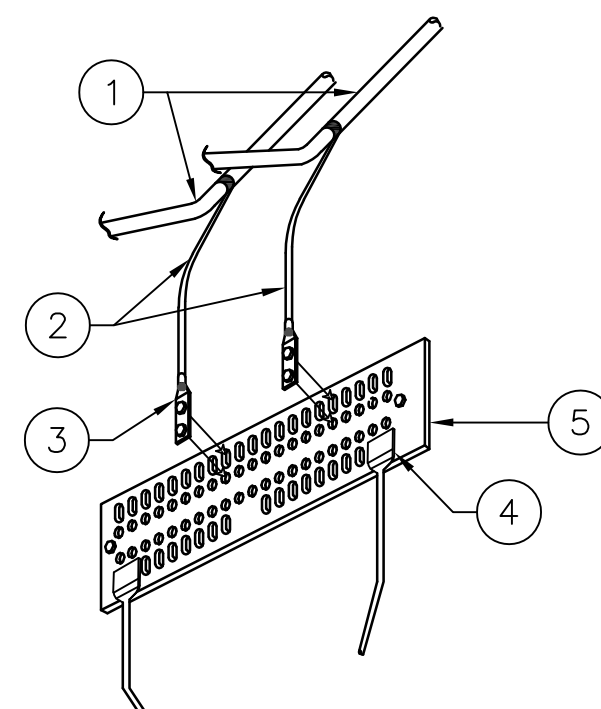


3 EQUIP. GROUND DETAIL

SCALE: N.T.S.

COAX CABLE GROUNDING KEYED NOTES: (#)

1. COAX
2. COAX GROUNDING KIT
3. HEX BOLTS; APPROVED TWO HOLE LUG CONNECTION WITH STAINLESS HARDWARE
4. EXOTHERMIC WELD 1/0 AWG STRANDED BARE TINNED COPPER
5. TINNED COPPER TOWER BUS BAR

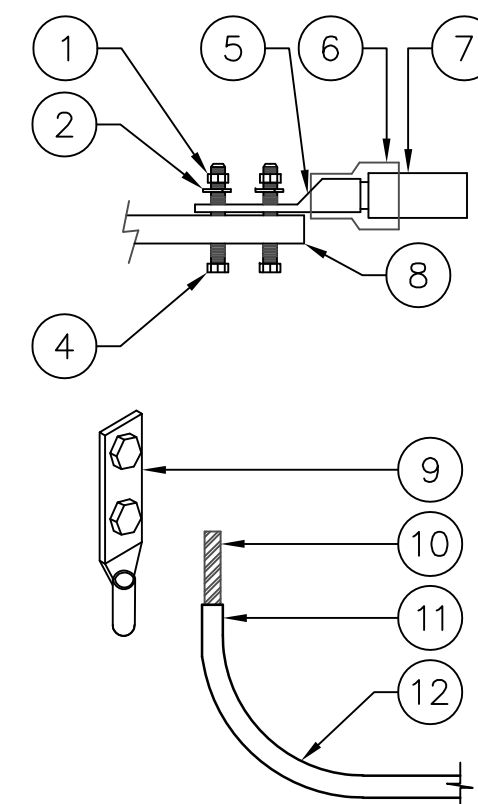


6 TOWER GROUND BUS BAR

SCALE: N.T.S.

GROUND LUG KEYED NOTES: (#)

1. NUT
2. LOCK WASHER
3. NOT USED
4. BOLT
5. BURNDY GROUND LUG (SEE TABLE FOR SIZE AND MODEL)
6. HEAT SHRINK (CLEAR)
7. GROUNDING CONDUCTOR
8. GROUND BUS BAR OR METALLIC BONDING SURFACE
9. BURNDY 2-HOLE LUG W/ LONG BARREL FOR #6 AWG STRANDED
10. BARE WIRE TO BE NO-OXED AT BOTH ENDS
11. HEAT SHRINK
12. #6 AWG THHN COPPER WIRE



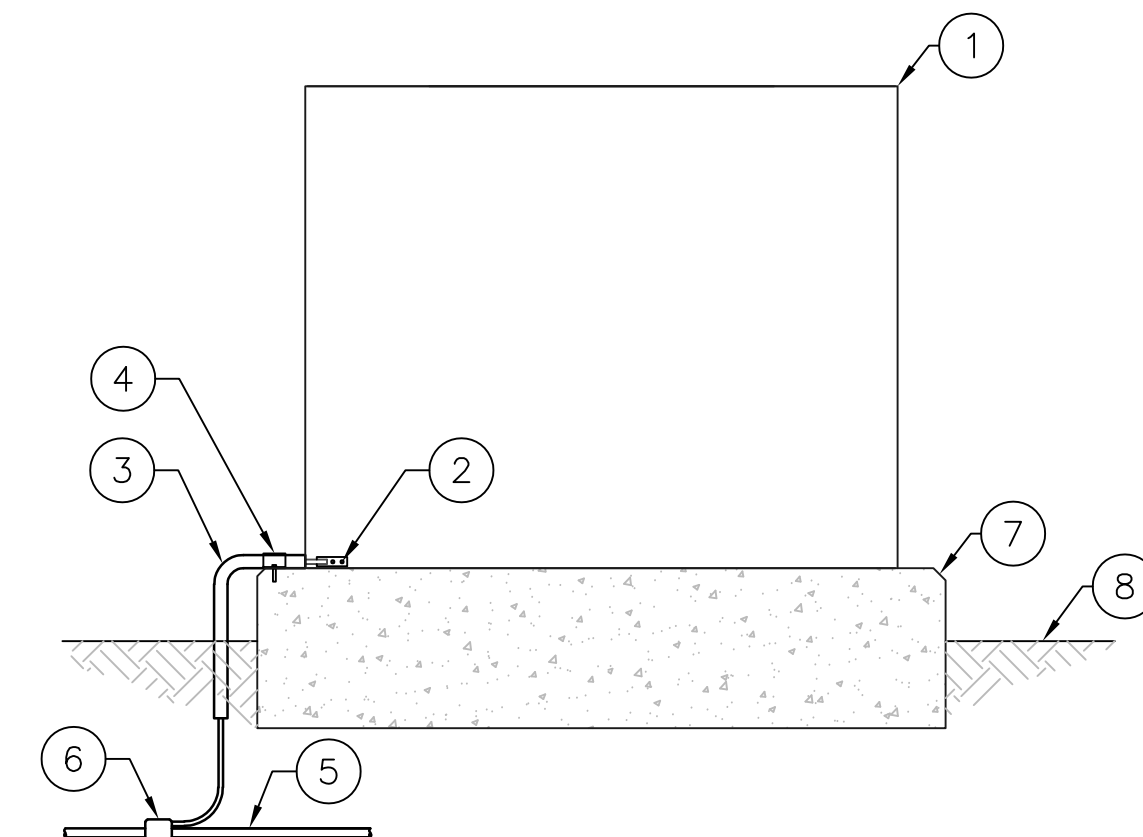
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG	YA6C-2TC38	3/8" - 16 NC S 3 BOLT
#2 AWG SOLID	YA3C-2TC38	3/8" - 16 NC S 3 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 3 BOLT
#2/0 AWG	YA26-2TC38	3/8" - 16 NC S 3 BOLT
#4/0 AWG	YA28-2N	1/2" - 16 NC S 3 BOLT

10 GROUND LUG

SCALE: N.T.S.

DOG HOUSE BONDING KEYED NOTES: (#)

1. DOG HOUSE FRAMING
2. MECHANICAL BONDING CONNECTION (TYPE YA-2)
3. #2 AWG SOLID TINNED BARE COPPER WIRE GROUND CONDUCTOR ROUTED IN FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT (CARFLEX)
4. FASTENED CARFLEX W/ HALF STRAPS & 1/4"Ø x 2" (L) RED HEAD HAMMER-SET NAIL DRIVE ANCHOR OR APPROVAL EQUAL
5. GROUND RING
6. EXOTHERMIC CONNECTION TO GROUND RING (TYPE PT)
7. CONCRETE PAD
8. FINISHED GRADE

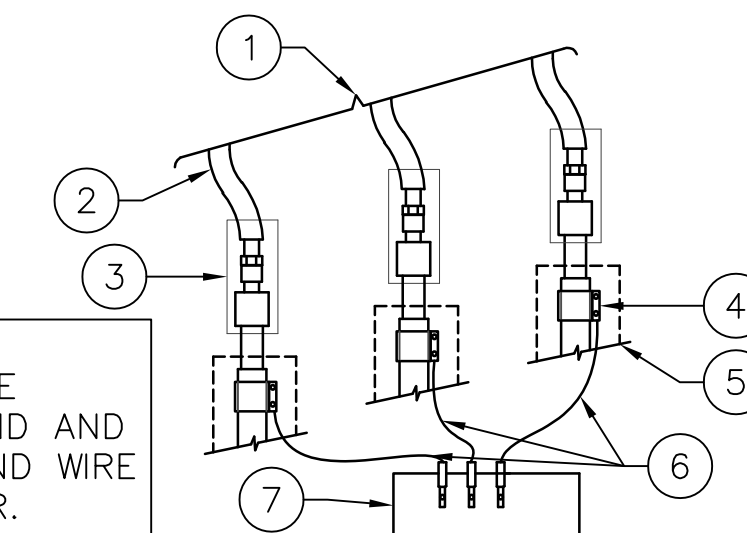


4 DOG HOUSE GROUND DETAIL

SCALE: N.T.S.

ANTENNA GROUNDING KEYED NOTES: (#)

1. RF TRANSMISSION LINES (COAX) FROM ANTENNA
2. 1/2" COAX JUMPER FROM ANTENNA
3. CONNECTOR WEATHERPROOFING KIT REFER TO DETAIL 11
4. ANDREW "SUREGROUND" GROUND KIT (TYP.), REFER TO DETAIL 11 FOR WEATHERPROOFING DETAILS
5. ANTENNA CABLE TO SHELTER (TYP.)
6. #6 AWG THHN COPPER CONDUCTOR
7. TINNED SOLID ALLOY 110 COPPER ANTENNA GROUND BUS BAR (OPTIONAL BOND DIRECTLY TO TOWER STEEL WITH ANGLE ADAPTER IF NO ANTENNA BUS BAR IS AVAILABLE)



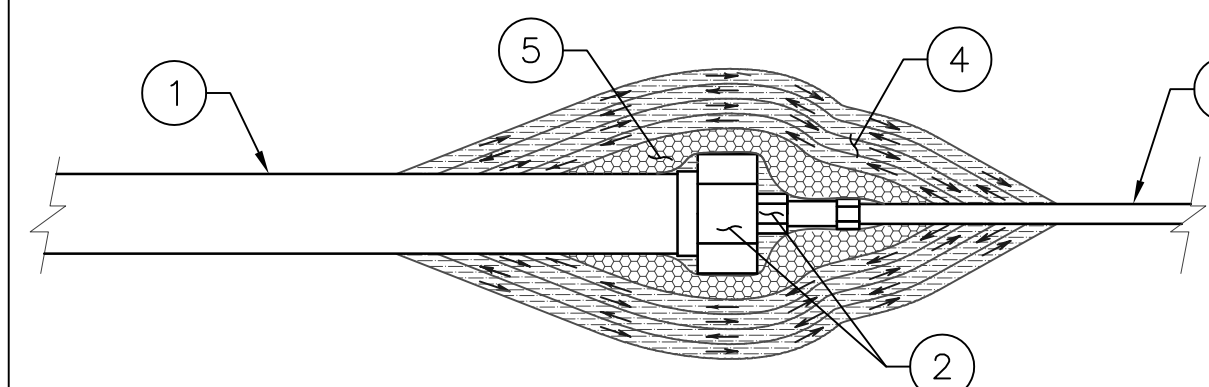
NOTE:
DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

7 ANTENNA GROUNDING

SCALE: N.T.S.

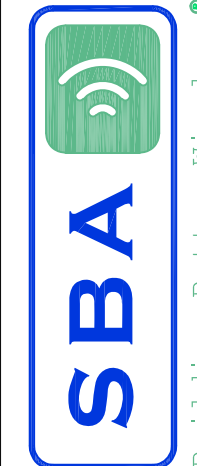
WEATHERPROOFING KEYED NOTES: (#)

1. COAX
2. COAX TO JUMPER CONNECTION (TYP.)
3. JUMPER (TYP.)
4. 3M SCOTCH SUPER 33+ VINYL ELECTRICAL TAPE (OR EQUIVALENT)
5. VAPOR WRAP SEALANT



11 WEATHERPROOF

SCALE: N.T.S.



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PE SEAL:

NO.	DATE	DESCRIPTION	PRELIM. CD	CHANGED ACCESS EASEMENT	UPDATED PER LAST SLF	UPDATED OWNER'S ADDRESS	UPDATED EASEMENT
A	01/08/18						
B	01/18/18						
C	01/30/18						
D	03/16/18						
E	03/20/18						

SITE I.D.: **AZ17744**

SITE NAME: **AZ6 BARATARIA**

SITE ADDRESS: **E. FORD RILE ROAD
SIERRA VISTA, AZ**

DRAWN BY: **JN**
CHECKED BY: **YJ**
DATE: **3/20/2018**
PROJECT #: **AZ17744-B**

SHEET TITLE: **GROUNDING
DETAILS**

SHEET NO. **EG-2**

GENERAL NOTES	STRUCTURAL NOTES	UTILITIES	PAINTING
<ol style="list-style-type: none"> ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR IT'S 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. <p>FERROUS METALS SHOP PRIMED TOUCH-UP COAT - RED OXIDE METAL PRIMER FINISH COATS - SEMI-GLOSS-ALKYD ENAMEL</p>
SBA CONSTRUCTION REQUIREMENTS			
<ol style="list-style-type: none"> 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 <u>AND</u> 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 <u>AND</u> 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. 			
GRADING			
<ol style="list-style-type: none"> 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. 			
PERMITS			
<ol style="list-style-type: none"> 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 CONTRACTORS 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. 			



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PE SEAL:

REVISIONS		DESCRIPTION
NO.	DATE	
A	01/08/18	PRELIM CD
B	01/18/18	CHANGED ACCESS EASEMENT
C	01/30/18	UPDATED PER LAST SLF
D	03/16/18	UPDATED OWNER'S ADDRESS
E	03/20/18	UPDATED EASEMENT

SITE I.D.: **AZ17744**

SITE NAME:
AZ6 BARATARIA

SITE ADDRESS:
**E. FORD RILE ROAD
SIERRA VISTA, AZ**

DRAWN BY:	JN
CHECKED BY:	YJ
DATE:	3/20/2018
PROJECT #:	AZ17744-B

SHEET TITLE:
GENERAL NOTES

SHEET NO.
GN-1

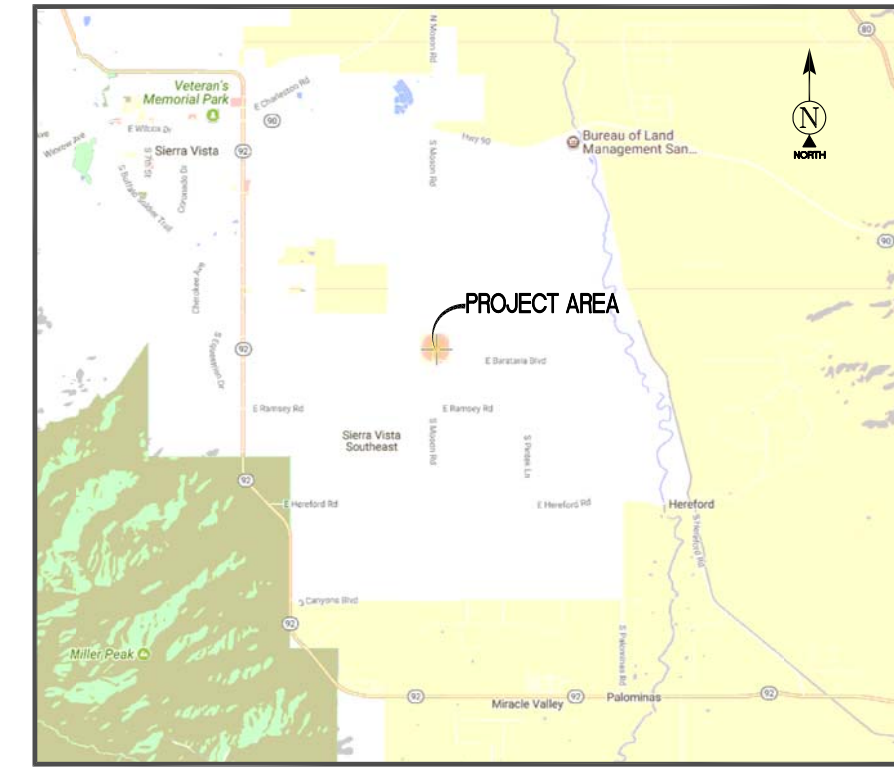
APN 107-62-005B
ZONING: RU-4

**NON-EXCLUSIVE 22' WIDE ACCESS & UTILITY EASEMENT
LEGAL DESCRIPTION
APN 107-62-005F**

A 22 FOOT WIDE UTILITY EASEMENT SITUATED THAT PORTION OF PARCEL "N" OF A SURVEY ENTITLED "GREATER SAN PEDRO RANCHES", ACCORDING TO BOOK 1 OF SURVEYS PAGE 7 IN THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 22 SOUTH, RANGE 21 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, COCHISE COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER, THENCE NORTH 00 DEGREES 05 MINUTES 09 SECONDS EAST ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1,501.57 FEET; THENCE SOUTH 89 DEGREES 54 MINUTES 51 SECONDS EAST, A DISTANCE OF 283.45 FEET; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 50.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 50.00 FEET; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 28.50 FEET TO THE POINT OF BEGINNING OF THE CENTERLINE OF SAID EASEMENT, LYING 11.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

THENCE SOUTH 00 DEGREES 04 MINUTES 19 SECONDS WEST, A DISTANCE OF 118.81 FEET;
THENCE NORTH 89 DEGREES 55 MINUTES 41 SECONDS WEST, 255.05 FEET TO THE POINT OF TERMINUS



EXCLUSIVE LEASE AREA LEGAL DESCRIPTION
THAT PORTION OF PARCEL "N" OF A SURVEY ENTITLED "GREATER SAN PEDRO RANCHES", ACCORDING TO BOOK 1 OF SURVEYS PAGE 7 IN THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 22 SOUTH, RANGE 21 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, COCHISE COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

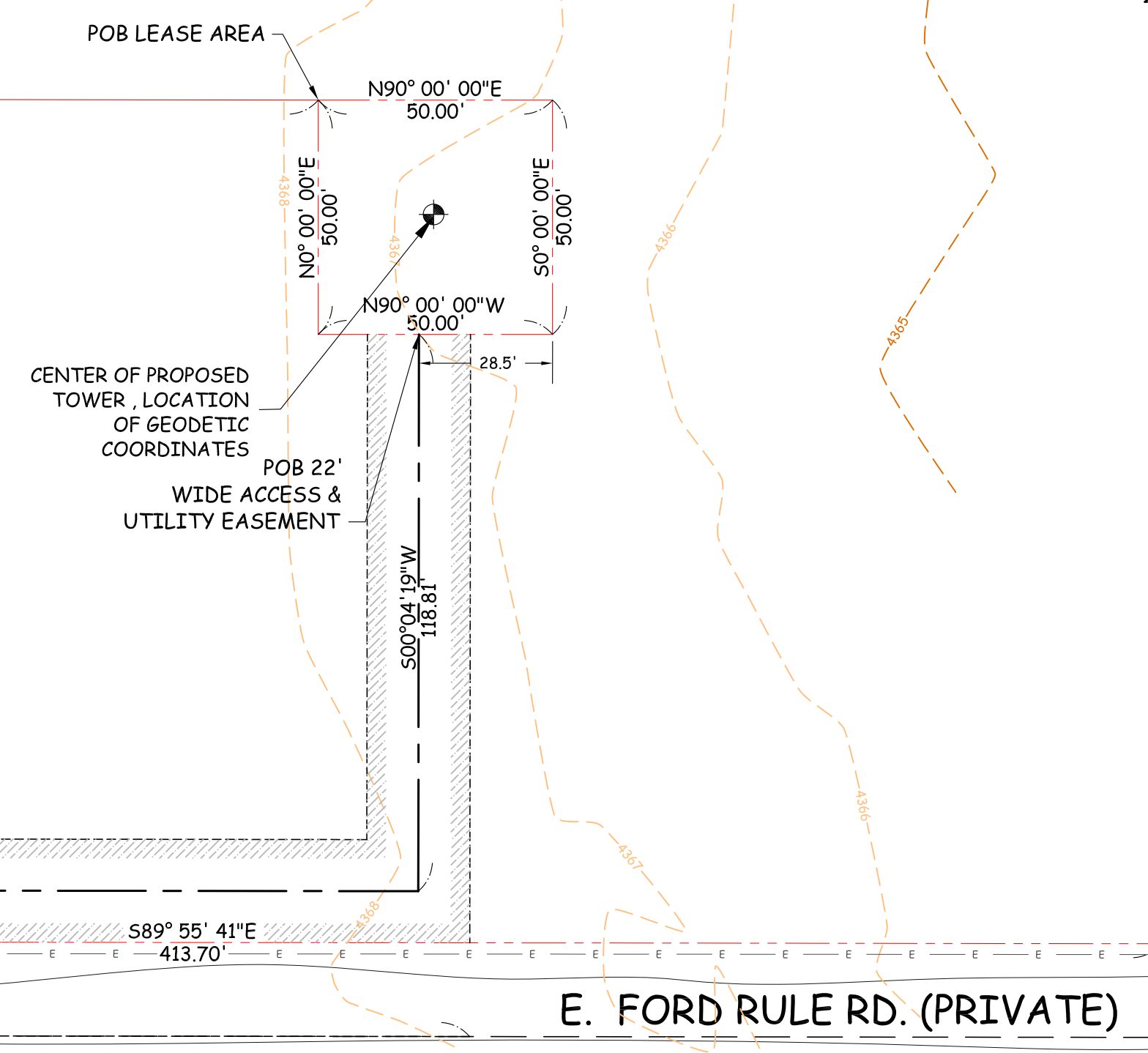
COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER,

THENCE NORTH 00 DEGREES 05 MINUTES 09 SECONDS EAST ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1,501.57 FEET;
THENCE SOUTH 89 DEGREES 54 MINUTES 51 SECONDS EAST, A DISTANCE OF 283.45 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 50.00 FEET;
THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 50.00 FEET;
THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 50.00 FEET;
THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 50.00 FEET TO THE POINT OF BEGINNING.

AN AREA CONTAINING 2,500 SQ. FT. MORE OR LESS.

APN 107-62-005F
ZONING: RU-4



APN 107-62-006E
ZONING: RU-4

LESSOR'S LEGAL DESCRIPTION APN 107-62-005F
THAT PORTION OF PARCEL "N" OF A SURVEY ENTITLED "GREATER SAN PEDRO RANCHES", ACCORDING TO BOOK 1 OF SURVEYS PAGE 7, RECORDS OF COCHISE COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHWEST CORNER OF SAID PARCEL "N"; THENCE NORTH 00°05'07" EAST ALONG THE WEST BOUNDARY OF SAID PARCEL N, A DISTANCE OF 427.30 FEET TO THE SOUTHWEST CORNER OF A PARCEL OF LAND CONVEYED TO CHARLES M. HANSFORD, ETUX, BY INSTRUMENT RECORDED IN DOCKET 1312, PAGE 339; THENCE SOUTH 89°57'53" EAST ALONG THE SOUTHERLY BOUNDARY OF THE SAID HANSFORD PARCEL, A DISTANCE OF 413.79 FEET; THENCE SOUTH 00°05'07" WEST, A DISTANCE OF 427.33 FEET TO A POINT ON THE SOUTH BOUNDARY OF SAID PARCEL N; THENCE NORTH 89°57'36" WEST ALONG THE SOUTH BOUNDARY OF PARCEL N, A DISTANCE OF 413.79 FEET TO THE POINT OF BEGINNING. EXCEPT ONE-HALF INTEREST IN AND TO ALL OIL, GAS OR OTHER MINERALS AS RESERVED IN DEED RECORDED IN DOCKET 256, PAGE 599, RECORDS OF COCHISE COUNTY, ARIZONA. TAX ID: 107-62-005F BEING THE SAME PROPERTY CONVEYED TO LARRY A. STANLEY, A SINGLE MAN, GRANTEE, FROM MARIA T. CLARSTROM, A MARRIED WOMAN, GRANTOR, BY DEED RECORDED 09/16/2016, AS DOCUMENT NO. 2016-16711, OF THE COCHISE COUNTY RECORDS.

LESSOR'S LEGAL DESCRIPTION APN 107-62-006E
SITUATED IN THE COUNTY OF COCHISE, STATE OF ARIZONA:

THAT PORTION OF PARCEL "N" OF A SURVEY ENTITLED "GREATER SAN PEDRO RANCHES", ACCORDING TO BOOK 1 OF SURVEYS PAGE 7, RECORDS OF COCHISE COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID PARCEL "N";

THENCE NORTH 00°05'07" EAST ALONG THE WEST BOUNDARY OF SAID PARCEL N, A DISTANCE OF 427.30 FEET TO THE SOUTHWEST CORNER OF A PARCEL OF LAND CONVEYED TO CHARLES M. HANSFORD, ETUX, BY INSTRUMENT RECORDED IN DOCKET 1312, PAGE 339;

THENCE SOUTH 89°57'53" EAST ALONG THE SOUTHERLY BOUNDARY OF THE SAID HANSFORD PARCEL, A DISTANCE OF 413.79 FEET;

THENCE SOUTH 00°05'07" WEST, A DISTANCE OF 427.33 FEET TO A POINT ON THE SOUTH BOUNDARY OF SAID PARCEL N;

THENCE NORTH 89°57'36" WEST ALONG THE SOUTH BOUNDARY OF PARCEL N, A DISTANCE OF 413.79 FEET TO THE POINT OF BEGINNING.

EXCEPT ONE-HALF INTEREST IN AND TO ALL OIL, GAS OR OTHER MINERALS AS RESERVED IN DEED RECORDED IN DOCKET 256, PAGE 599, RECORDS OF COCHISE COUNTY, ARIZONA.

SCHEDULE B EXCEPTIONS:
REFERENCE IS MADE TO THE TITLE REPORT ORDER #01-17078239-011T, ISSUED BY OLD REPUBLIC TITLE INSURANCE COMPANY, DATED 10.13.17.

- FACTS WHICH WOULD BE DISCLOSED BY A COMPREHENSIVE SURVEY OF THE PREMISES HEREIN DESCRIBED. (NO EFFECT ON LEASE AREA)
 - RIGHTS OR CLAIMS OF PARTIES IN POSSESSION OR RIGHTS OF TENANTS IN POSSESSION AS TENANTS ONLY UNDER UNRECORDED LEASES. (NO EFFECT ON LEASE AREA)
 - MECHANICS', CONTRACTORS' OR MATERIAL MEN'S LIENS AND LIEN CLAIMS, IF ANY, WHERE NO NOTICE THEREOF APPEARS OF RECORD. (NO EFFECT ON LEASE AREA)
 - ANY CHANGES IN TITLE OCCURRING SUBSEQUENT TO THE EFFECTIVE DATE OF THIS COMMITMENT AND PRIOR TO THE DATE OF ISSUANCE OF THE TITLE POLICY. (NO EFFECT ON LEASE AREA)
 - TAXES AND SPECIAL ASSESSMENTS FOR CURRENT TAX YEAR DUE AND ALL SUBSEQUENT YEARS. (NO EFFECT ON LEASE AREA)
 - RESERVATIONS OR EXCEPTION IN PATENTS, OR ACTS AUTHORIZING THE ISSUANCE THEREOF. (NO EFFECT ON LEASE AREA)
 - WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS. (NO EFFECT ON LEASE AREA)
 - UNPATENTED MINING CLAIMS. (NO EFFECT ON LEASE AREA)
 - DELETING FROM ANY INSTRUMENT IN THE PUBLIC RECORDS REFLECTED HEREIN, ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH MATTERS VIOLATE 42 USC 3604(c). (NO EFFECT ON LEASE AREA)
 - SUBJECT TO ROAD EASEMENT AS SHOWN IN SURVEY ENTITLED "GREATER SAN PEDRO RANCHES" IN BOOK 1 OF SURVEYS, PAGE 7, OF THE COCHISE COUNTY RECORDS. (NO EFFECT ON LEASE AREA)
 - SUBJECT TO THE RESERVATIONS SET FORTH IN THE DEED, RECORDED 09/22/1960, IN BOOK 256, PAGE 599, OF THE COCHISE COUNTY RECORDS. (NO EFFECT ON LEASE AREA)
- # SCHEDULE B EXCEPTION NUMBER PER TITLE REPORT

LEGEND	
CONC	EDGE OF CONCRETE
FC	FACE OF CURB
LP	LIGHT POLE
(Tree Symbol)	TREES
(Star Symbol)	POSITION OF GEODETIC COORDINATES
(Dot Symbol)	SPOT ELEVATION
(Valve Symbol)	WATER CONTROL VALVE
(Dashed Line)	CURBLINES
(Dashed Line)	CONCRETE LIMITS
(Dashed Line)	EXISTING BUILDINGS
(Dashed Line)	WATER LINES
(Dashed Line)	GAS LINES
(Dashed Line)	ELECTRIC LINES
(Dashed Line)	ADJACENT PROPERTY LINE
(Dashed Line)	EASEMENT LINES
(Dashed Line)	TIE LINES
(Dashed Line)	LEASE AREA LIMITS
(Dashed Line)	MAJOR CONTOUR INTERVAL
(Dashed Line)	MINOR CONTOUR INTERVAL

BASIS OF BEARINGS
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA CENTRAL ZONE, DETERMINED BY GPS OBSERVATIONS.

SURVEY DATE
10.26.17

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT BLUE STAKE AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

BENCHMARK
ELEVATIONS WERE ESTABLISHED FROM PROCESSING GPS DATA WITH AND CONSTRAINING TO NGS "CORS" STATIONS AND APPLYING GEOTID26 SEPARATIONS AND ARE AT NAVD88 DATUM

SURVEYOR'S NOTES
REFERENCE IS MADE TO THE TITLE REPORT ORDER #01-17078239-011T, ISSUED BY OLD REPUBLIC TITLE INSURANCE COMPANY, DATED 10.13.17. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED (EXCEPT FOR ROOFTOPS).

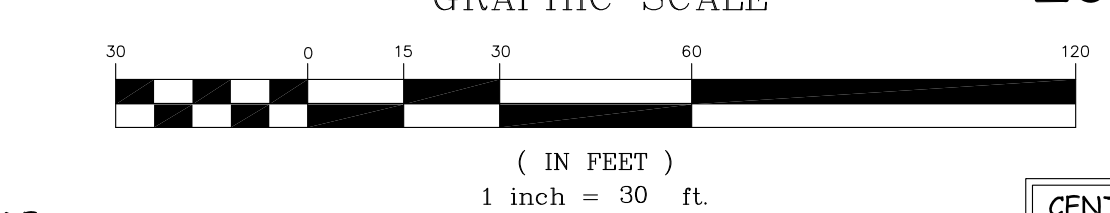
SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

NO EVIDENCE PROVIDED OF ACCESS ON E. FORD RULE ROAD.

CENTER OF PROPOSED TOWER (NAD83)
LATITUDE 31° 29' 09.33" NORTH
LONGITUDE 110° 11' 19.84" WEST
ELEVATION 4366.7' (NAVD88)

1-A ACCURACY CERTIFICATION
THE HORIZONTAL ACCURACY OF THE LATITUDE AND LONGITUDE AT THE CENTER OF EACH SECTOR FALLS WITHIN FIFTEEN (15) FEET. THE ELEVATIONS (NAVD88) OF THE GROUND AND FIXTURES FALL WITHIN THREE (3) FEET.



SIGNED
JEFF R. COOK AZ Reg. No. 28719 Date
My License renewal date is March 31, 2019

FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #04003C24556, DATED 02.03.2016

CLIENT:
SBA Building Better Wireless®
8051 CONGRESS AVE.
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

DESIGN MANAGEMENT PROFESSIONAL:
SD SiinoDesign
16616 EAST PALISADES BLVD, SUITE 102
FOUNTAIN HILLS, ARIZONA 85268
PHONE: (480) 836-1701
FAX: (480) 836-1004
www.sdlc.biz

SURVEYING CONSULTANT:
Western Geomatics Services
2925 E Riggs Rd Suite 8-191
Chandler, AZ 85249
(480) 656-7912 office
(480) 219-5195 fax
DRAWING APPROVALS (SIGNATURES)

SITE ACQUISITION/PROPERTY
CONSTRUCTION MANAGER
VERIZON WIRELESS RF ENGINEER
LANDLORD APPROVAL

DRAWN BY: NC
CHECKED BY: JC

SCHEDULE OF REVISIONS			
	DATE	DESCRIPTION	BY
2	3.20.18	REVISED ESMT	JC
1	1.18.18	REVISED ESMT	JC
0	11.7.17	PRELIM SUBMITTAL	JC

SITE NAME:
AZ6 BARATARIA
SITE ID:
AZ17744-B
SITE ADDRESS:
**FORD RULE RD
SIERRA VISTA, AZ**

SEAL:
SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1