CODE COMPLIANCE

2013 CALIFORNIA BUILDING CODE
2013 CALIFORNIA RESIDENTIAL CODE
2013 CALIFORNIA TITLE 24
2013 CALIFORNIA FIRE CODE
2013 CALIFORNIA ENERGY CODE
2013 CALIFORNIA PLUMBING CODE
2013 CALIFORNIA MECHANICAL CODE
2013 CALIFORNIA ELECTRICAL CODE
TIA-222-G CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO BUILD A WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALLATION OF 30'-0" X 16'-0" (480 SQ. FT.) CMU EQUIPMENT ENCLOSURE WITH CHAIN LINK TOPPER AND WOOD TRELLIS.
- INSTALLATION OF (1) 65FT. AGL. FAUX MONO-BROADLEAF TREE.
- INSTALLATION OF (4) 6'-0" PANEL ANTENNAS PER SECTOR. TOTAL OF (12)
- INSTALLATION OF (2) GPS ANTENNAS.
- INSTALLATION OF (12) REMOTE RADIO UNITS (RRU) PER SECTOR. TOTAL OF (24)
- INSTALLATION OF (4) SURGE SUPPRESSORS.
- INSTALLATION OF (1) 50KW GENERATOR WITH SOUND ENCLOSURE INSIDE ACOUSTICAL ABSORBING CMU WALL.
- OVERHEAD AC POWER FROM EXISTING UTILITY POLE.
- INSTALLATION OF UNDERGROUND TELCO FROM EXISTING UTILITY POLE AND TRENCHED ALONG EXISTING DISTURBED DIRT ROAD. NO OAK TREES WILL BE IMPACTED OR DAMAGED.
- INSTALLATION OF OVERHEAD POWER FROM EXISTING UTILITY POLE TO A NEW WOODEN POLE BY THE "AT&T" EQUIPMENT AREA.

SITE INFORMATION

PROPERTY OWNER	VISTA IRRIGATION DISTRICT 1391 ENGINEER ST VISTA, CA 92081
APPLICANT	AT&T WIRELESS 5738 PACIFIC CENTER BLVD SAN DIEGO, CA 92121
APPLICANT REPRESENTATIVE	M&M TELECOM INC 6886 MIMOSA DRIVE CARLSBAD, CA 92011
ZONING JURISDICTION	COUNTY OF SAN DIEGO
ZONING DISTRICT	A-72
LATITUDE (NAD 83)	33° 13' 51.007" N
LONGITUDE (NAD 83)	116° 45' 47.993" W
PARCEL #	193-080-30-00
PROPOSED LEASE AREA	480 SQ. FT.
OCCUPANCY GROUP	B
CONSTRUCTION TYPE	V-B
POWER COMPANY	SDG&E
TELEPHONE COMPANY	AT&T

PROJECT TEAM

PROJECT MANAGER:
MARISA HERRERA
M&M TELECOM INC
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
PHONE: (760) 672-1903
EMAIL:
MARISA.HERRERA@MMTELECOMINC.COM

ENGINEERING:
TELECOM MANAGEMENT GROUP
14955 AVENIDA VENUSTO #8
SAN DIEGO, CA 92128
PHONE: (858) 248-7678
EMAIL:
EDGAR.ORTIZ@TELECOMMANAGEMENTGROUP.COM

SITE ACQUISITION:
LYNN SIVERTSEN
M&M TELECOM INC
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
PHONE: (858) 663-3593
EMAIL:
LYNN.SIVERTSEN@MMTELECOMINC.COM

ZONING:
DANIELLE WEIZMAN
M&M TELECOM INC
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
PHONE: (619) 972-4944
EMAIL: DANIELLE.WEIZMAN@MMTELECOMINC.COM

RF ENGINEER:
RAVI JINDAL
AT&T
5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121
EMAIL: RJ096D@ATT.COM

CONSTRUCTION:
DENNIS DILSON
GOODMAN NETWORKS
PHONE: (214)557-6203
EMAIL: DDILSON@GOODMANNETWORKS.COM

LAKE HENSHAW

SD0641

NEW SITE BUILD

FA NUMBER: 10099890

26439 HIGHWAY 76

SANTA YSABEL, CA 92070

VICINITY MAP

NO SCALE

DRIVING DIRECTIONS FROM AT&T OFFICE

DIRECTIONS FROM AT&T OFFICE:

HEAD EAST ON PACIFIC CENTER BLVD TOWARD PACIFIC MESA BLVD. TURN RIGHT ONTO PACIFIC MESA BLVD. TAKE I-15 N, BEAR VALLEY PKWY, VALLEY CENTER RD AND CA-76 E TO E 2ND AVE. TURN LEFT ONTO PACIFIC HEIGHTS BLVD. USE THE LEFT 2 LANES TO TURN LEFT AT THE 1ST CROSS STREET ONTO MIRA MESA BLVD. TURN RIGHT TO MERGE ONTO I-15 N. USE THE RIGHT LANE TO TAKE EXIT 27 FOR VIA RANCHO PKWY TOWARD FELICITA PARK/SAN DIEGO WILD ANIMAL PARK. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO E VIA RANCHO PKWY. CONTINUE ONTO BEAR VALLEY PKWY. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO E VALLEY PKWY. CONTINUE ONTO VALLEY CENTER RD. TURN RIGHT ONTO CA-76 E. CONTINUE ON E 2ND AVE TO YOUR DESTINATION. TURN RIGHT ONTO E 2ND AVE. TURN LEFT. CONTINUE STRAIGHT. TURN LEFT. DESTINATION WILL BE ON THE LEFT.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR SITE MODIFICATIONS.

AT&T COMPLIANCE: _____ DATE: _____

AT&T RF ENGINEER: _____ DATE: _____

AT&T OPERATIONS: _____ DATE: _____

AT&T PM: _____ DATE: _____

CONSTRUCTION: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

SITE OWNER: _____ DATE: _____

DRAWING INDEX

SHEET NO:	SHEET TITLE
T1	TITLE SHEET
C1	BOUNDARY SURVEY
Z1	BOUNDARY SITE PLAN
Z2	UTILITY SITE PLAN
Z3	SITE PLAN
Z4	ENLARGED SITE PLAN
Z4.1	STORM WATER MANAGEMENT PLAN
Z5	ENLARGED EQUIPMENT PLAN
Z6	ENLARGED EXISTING AND NEW ANTENNA PLAN AND ANTENNA SCHEDULE
Z7	SITE ELEVATIONS
Z8	SITE ELEVATIONS
D1	SITE DETAILS

811
Know what's **below.**
Call before you dig.

NOTE:
48 HOURS PRIOR TO DIGGING, CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES TO LOCATE ALL UNDERGROUND UTILITIES.

SDC PDS RCVD 08-12-16

MUP16-009

Rev	Description	Date
1	100% ZD	06-09-16
0	90% ZD	06-01-16

at&t
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

M&M TELECOMINC

Sheet Title
TITLE SHEET

SD0641
LAKE HENSHAW
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
NSB PROJECT

TELECOM MANAGEMENT GROUP
Solutions Done Right

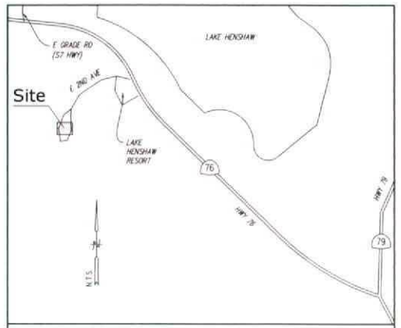
NOT FOR CONSTRUCTION

Project Number

Drawn by: ERO/RP

Checked by: ERO

Sheet No: T1



Vicinity Map

Title Report

PREPARED BY: COMMONWEALTH LAND TITLE COMPANY
ORDER NO. 06200681-920-CMM-CMB
DATED: APRIL 19, 2016

Legal Description

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

THAT PORTION OF RANCHO VALLE DE SAN JOSE, AS PER PATENT ISSUED BY THE UNITED STATES OF AMERICA TO SYLVESTRE DE LA PORTILLA ON JANUARY 10, 1880, RECORDED FEBRUARY 20, 1880 IN BOOK 2 OF PATENTS, AT PAGE 84, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHWESTERLY BOUNDARY LINE OF SAID RANCHO VALLE DE SAN JOSE BETWEEN STATIONS P-6 AND P-7, WHERE THE SAID RANCHO LINE INTERSECTS THE CENTER LINE OF THE RIGHT OF WAY OF THE CALIFORNIA STATE HIGHWAY ROUTE 195 AT ENGINEER'S STATION 224 + 02.98; THENCE SOUTH 39° 14' WEST 1,208.4 FEET TO CORNER P-6 OF SAID RANCHO; THENCE CONTINUING ALONG THE BOUNDARY LINE OF SAID RANCHO SOUTH 36° 30' EAST 2,442.0 FEET TO CORNER P-5 OF SAID RANCHO; THENCE CONTINUING ALONG THE BOUNDARY LINE OF SAID RANCHO SOUTH 52° 15' EAST 6,985 FEET MORE OR LESS TO AN INTERSECTION WITH THE CENTER LINE OF THE RIGHT OF WAY OF THE CALIFORNIA STATE HIGHWAY ROUTE 195 AT ENGINEER'S STATION 322 + 69.28; THENCE LEAVING THE BOUNDARY LINE OF THE RANCHO VALLE DE SAN JOSE AND FOLLOWING ALONG THE CENTER LINE OF THE RIGHT OF WAY OF THE CALIFORNIA STATE HIGHWAY ROUTE 195 IN A NORTHWESTERLY DIRECTION TO THE POINT OF BEGINNING.

NOTE: THIS COMPANY HAS PROVIDED SAID DESCRIPTION AS AN ACCOMMODATION FOR THE PURPOSE OF FACILITATING THIS REPORT. SAID DESCRIPTION IS NOT AN INSURABLE PARCEL PURSUANT TO THE SUBDIVISION MAP ACT OF THE STATE OF CALIFORNIA AND SHOULD NOT BE RELIED UPON TO CONVEY OR ENCUMBER SAID LAND, UNTIL APPROVED BY THE APPROPRIATE GOVERNING AGENCY.

Assessor's Parcel No.

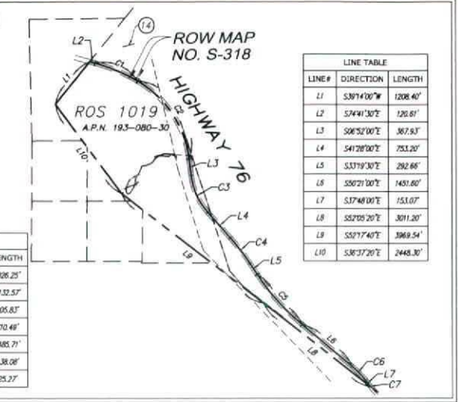
193-080-30

Easements

2. EASEMENTS IN FAVOR OF THE PUBLIC OVER ANY EXISTING ROADS LYING WITHIN SAID LAND.
3. EASEMENTS FOR THE ELECTRICAL TRANSMISSION LINE AND A PRIVATE TELEPHONE LINE PURPOSES, RECORDED SEPTEMBER 28, 1925 IN BOOK 1115, PAGE 276 OF DEEDS. (BLANKET IN NATURE)
4. EASEMENTS FOR THE THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY PURPOSES, RECORDED OCTOBER 17, 1929 IN BOOK 1696, PAGE 273 OF DEEDS. **(PLOTTED HEREON)**
5. EASEMENTS FOR THE PUBLIC HIGHWAY PURPOSES, RECORDED JANUARY 30, 1940 IN BOOK 886, PAGE 250 OF OFFICIAL RECORDS. **(PLOTTED HEREON)**
6. EASEMENTS FOR THE TRANSMISSION AND DISTRIBUTION OF ELECTRICITY PURPOSES, RECORDED DECEMBER 23, 1940 IN BOOK 1118, PAGE 80 OF OFFICIAL RECORDS. **(PLOTTED HEREON)**
9. EASEMENTS FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PURPOSES, RECORDED NOVEMBER 29, 1958 IN BOOK 7360, PAGE 120 OF OFFICIAL RECORDS. (DOESN'T AFFECT THE SUBJECT PROPERTY)
10. EASEMENTS FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PURPOSES, RECORDED AUGUST 19, 1960 AS INSTRUMENT NO. 168558 OF OFFICIAL RECORDS. **(PLOTTED HEREON)**
11. EASEMENTS FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PURPOSES, RECORDED JANUARY 28, 1963 AS INSTRUMENT NO. 113599 OF OFFICIAL RECORDS. **(PLOTTED HEREON)**
12. EASEMENTS FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PURPOSES, RECORDED AUGUST 5, 1963 AS INSTRUMENT NO. 136744 OF OFFICIAL RECORDS. (DOCUMENT UNREADABLE)
14. EASEMENTS FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PURPOSES, RECORDED OCTOBER 29, 1971 IN DOCUMENT NO. 251237 OF OFFICIAL RECORDS. **(PLOTTED HEREON)**

Boundary Detail

SCALE: 1"=1,500'

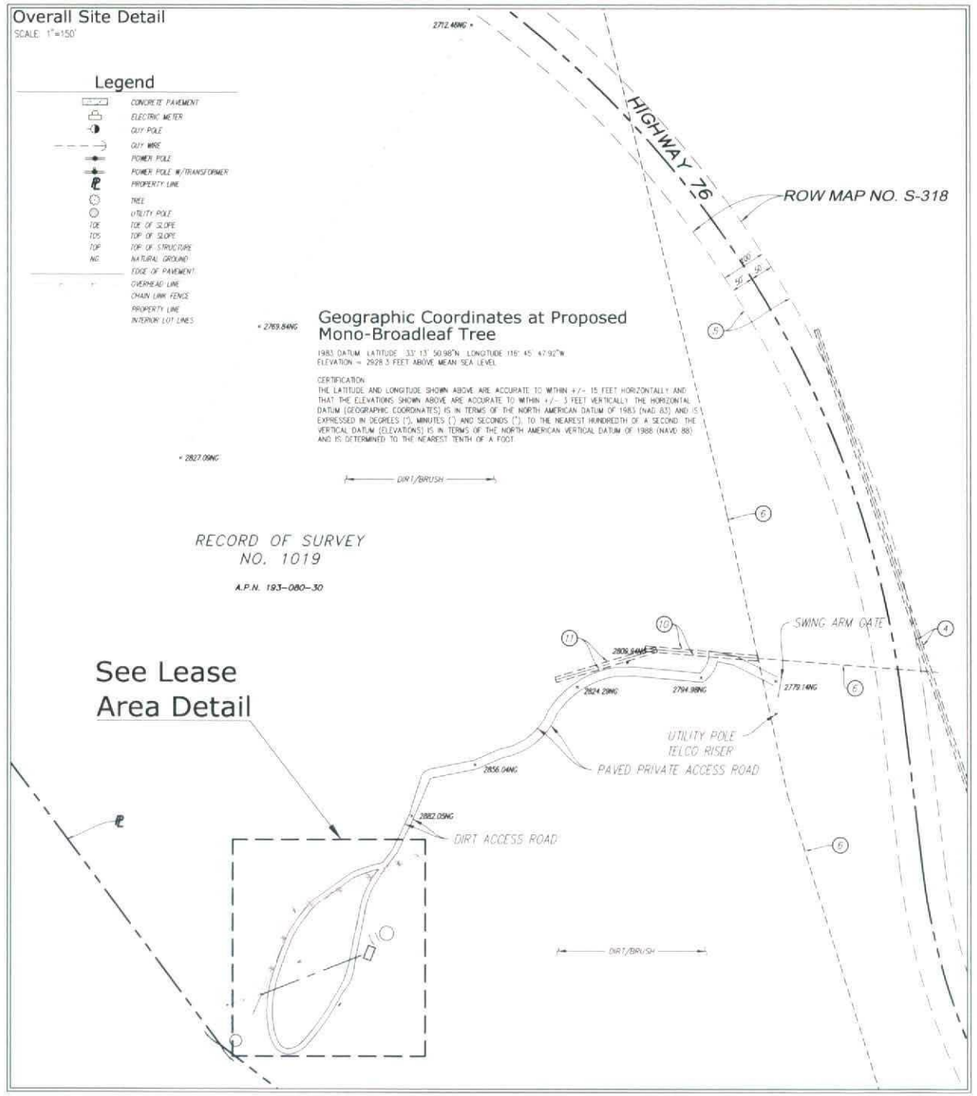


CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C1	4000.00'	14°42'00"	1026.25'
C2	2300.00'	53°07'30"	2132.57'
C3	1500.00'	34°36'00"	905.83'
C4	5000.00'	8°08'30"	710.49'
C5	5000.00'	17°01'30"	1485.71'
C6	2000.00'	12°33'00"	438.08'
C7	1500.00'	05°57'54"	25.27'

LINE TABLE		
LINE#	DIRECTION	LENGTH
L1	S39°14'00"W	1208.40'
L2	S74°41'30"E	120.81'
L3	S06°52'00"E	367.93'
L4	S41°28'00"E	753.20'
L5	S33°19'30"E	292.66'
L6	S50°21'00"E	1451.60'
L7	S37°48'00"E	153.07'
L8	S52°05'20"E	3011.20'
L9	S52°17'40"E	3969.54'
L10	S38°37'20"E	2448.30'

Overall Site Detail

SCALE: 1"=150'



Lease Area Detail

SCALE: 1"=30'

Utility Route/Lease Area

AS SHOWN

Basis of Bearings

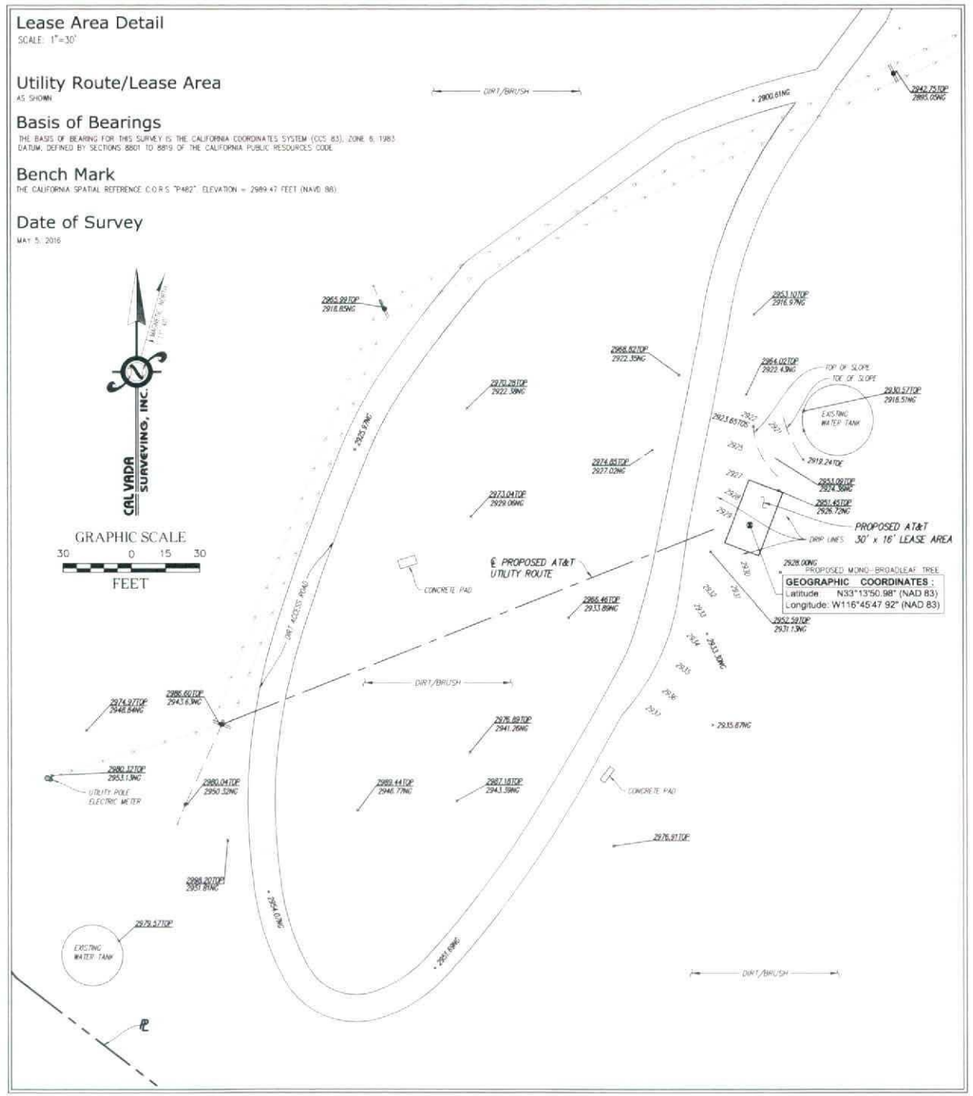
THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA COORDINATES SYSTEM (CCS 83), ZONE 6, 1983 DATUM, DEFINED BY SECTIONS 8801 TO 8819 OF THE CALIFORNIA PUBLIC RESOURCES CODE.

Bench Mark

THE CALIFORNIA SPATIAL REFERENCE C.O.R.S. "P482". ELEVATION = 2989.47 FEET (NAVD 88).

Date of Survey

MAY 5, 2016



AT&T

AT&T MOBILITY
4420 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

LAKE HENSHAW
SD0641
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
SAN DIEGO COUNTY

REV.:	DATE:	DESCRIPTION:	BY:
	05/09/16	SUBMITTAL	JC
1	05/18/16	TITLE REPORT	DG
2	05/23/16	FINAL	DG
3	07/18/16	CLIENT COMMENTS	GBM

PLANS PREPARED BY:

CONSULTANT:

CAL VADA
SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com
JOB NO. 16359

SEAL OF APPROVAL:

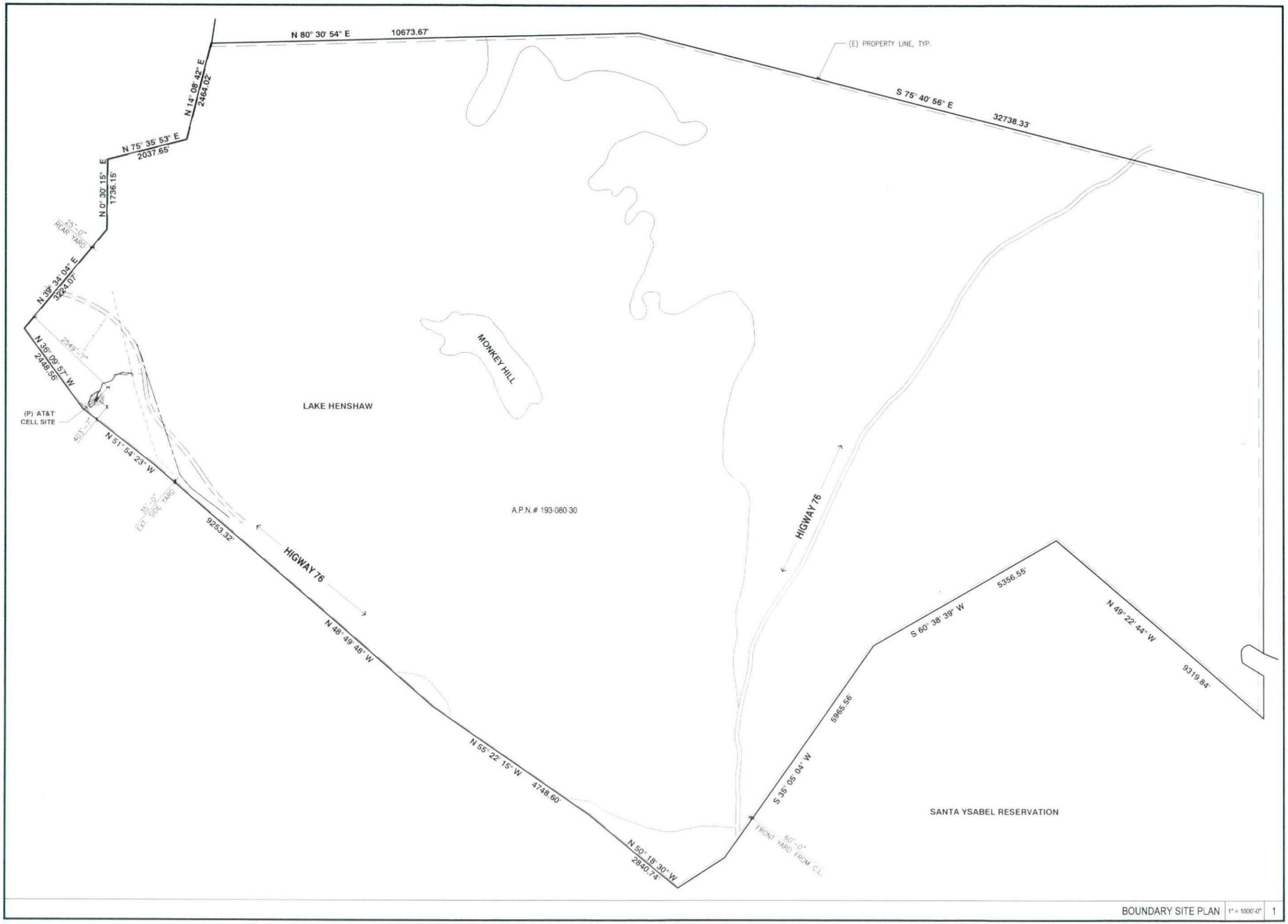
LICENSED LAND SURVEYOR Fernando D. Beltran L.S. 7780 Exp. 12-31-17 STATE OF CALIFORNIA

SHEET TITLE:

TOPOGRAPHIC SURVEY

SHEET NUMBER: C-1 SHEET 1 OF 1

REVISION: 1



BOUNDARY SITE PLAN | 1" = 1000'-0" | 1

Rev.	Description	Date
1	100% ZD	06-09-16
0	90% ZD	06-01-16

at&t
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

MM TELECOM INC

Sheet Title
BOUNDARY SITE PLAN

SD0641
LAKE HENSHAW
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
NSB PROJECT

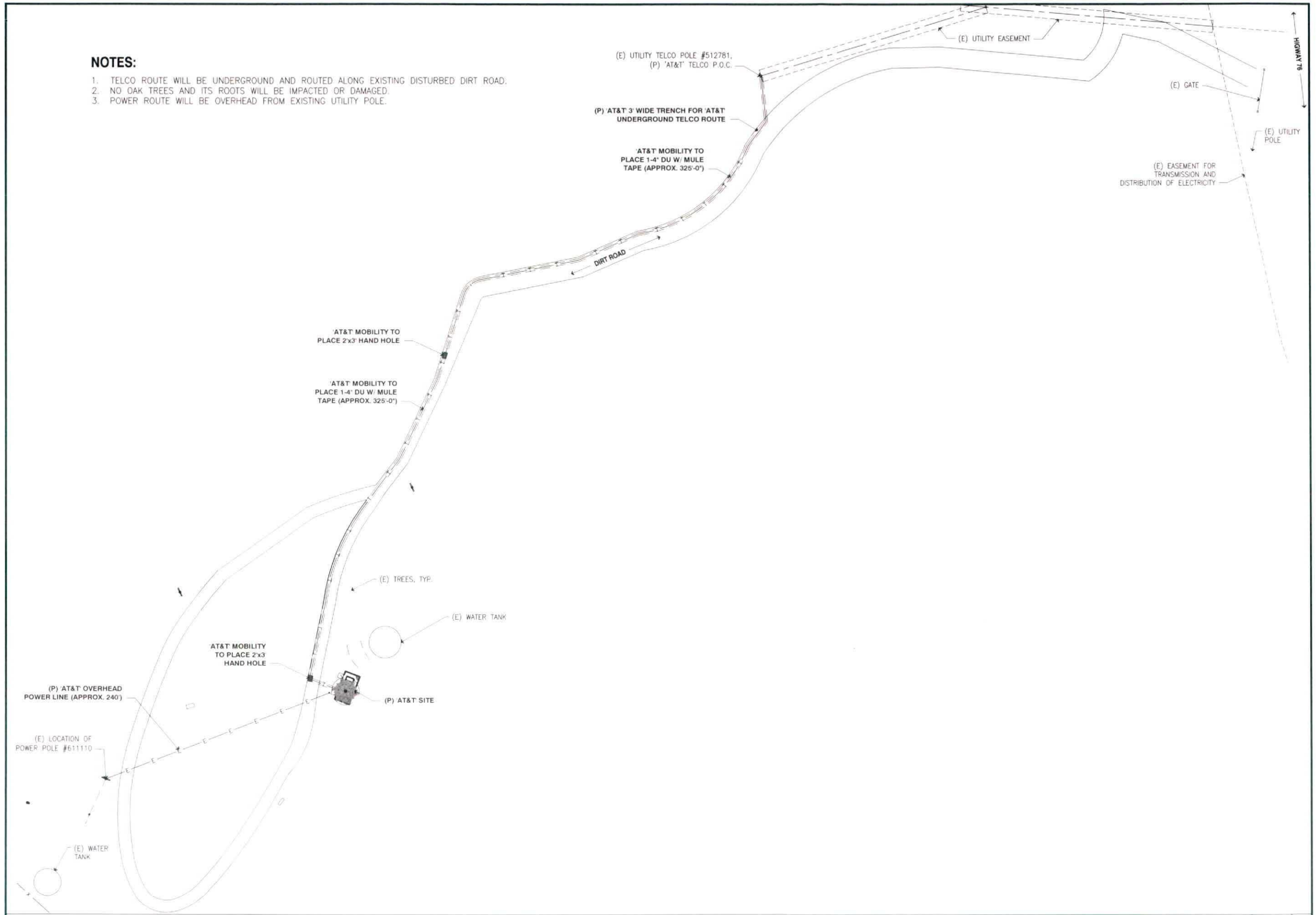
TELECOM MANAGEMENT GROUP

NOT FOR CONSTRUCTION

Project Number:
Drawn by: ERO/RP
Checked by: ERO
Sheet No: Z1

NOTES:

1. TELCO ROUTE WILL BE UNDERGROUND AND ROUTED ALONG EXISTING DISTURBED DIRT ROAD.
2. NO OAK TREES AND ITS ROOTS WILL BE IMPACTED OR DAMAGED.
3. POWER ROUTE WILL BE OVERHEAD FROM EXISTING UTILITY POLE.



Rev	Description	Date
1	100% ZD	06-09-16
0	90% ZD	06-01-16

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5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

MM TELECOM INC

Sheet Title: UTILITY SITE PLAN

SD0641
LAKE HENSHAW
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
NSB PROJECT

TELECOM MANAGEMENT GROUP
Solutions That Rock!

NOT FOR CONSTRUCTION

Project Number

Drawn by: ERO/RP

Checked by: ERO

Sheet No: Z2

UTILITY SITE PLAN | 1" = 20'-0" | 1

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO BUILD A WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- CMU EQUIPMENT ENCLOSURE WITH CHAIN LINK TOPPER AND WOOD TRELLIS
- INSTALLATION OF (1) 65FT. AGL. FAUX MONO-BROADLEAF TREE
- INSTALLATION OF (4) 6'-0" PANEL ANTENNAS PER SECTOR. TOTAL OF (12)
- INSTALLATION OF (2) GPS ANTENNAS.
- INSTALLATION OF (12) REMOTE RADIO UNITS (RRU) PER SECTOR. TOTAL OF (24)
- INSTALLATION OF (4) SURGE SUPPRESSORS
- INSTALLATION OF (1) 50KW GENERATOR WITH SOUND ENCLOSURE INSIDE ACOUSTICAL ABSORBING CMU WALL.
- OVERHEAD AC POWER FROM EXISTING UTILITY POLE.
- UNDERGROUND TELCO FROM EXISTING UTILITY POLE AND TRENCHED ALONG EXISTING DISTURBED DIRT ROAD. NO OAK TREES WILL BE IMPACTED OR DAMAGED.

LEGAL DESCRIPTION

PLEASE SEE SHEET C1 FOR COMPLETE LEGAL DESCRIPTION

NOISE COMPLIANCE STATEMENT

I, the owner/provider of the wireless telecommunications facility, understand that the facility proposed at _____ must comply with the Noise requirements of Zoning Ordinance of the San Diego County Code of Regulatory Ordinances, Section 1. Title 3, Division 6, Chapter 4. NOISE ABATEMENT AND CONTROL.

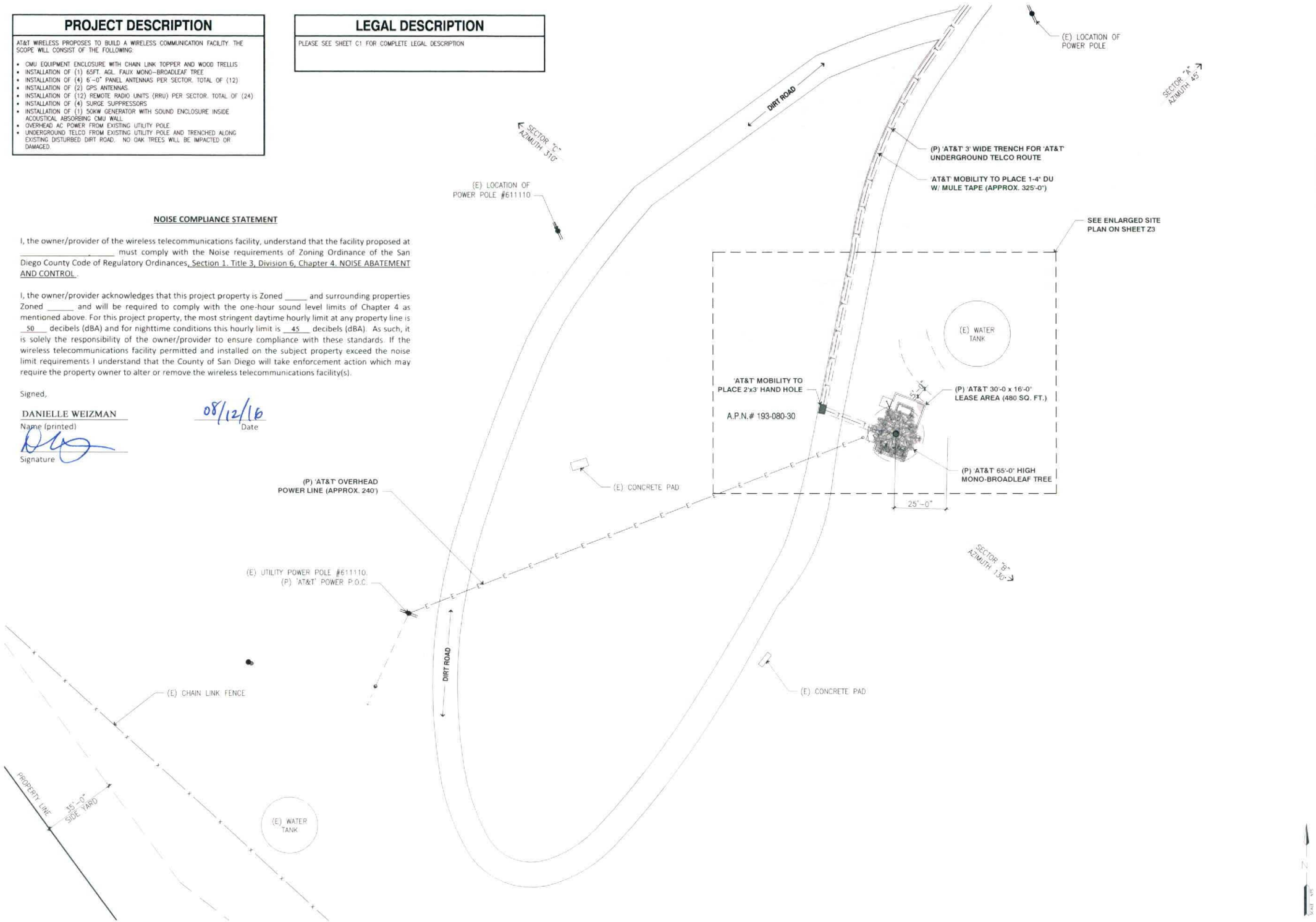
I, the owner/provider acknowledges that this project property is Zoned _____ and surrounding properties Zoned _____ and will be required to comply with the one-hour sound level limits of Chapter 4 as mentioned above. For this project property, the most stringent daytime hourly limit at any property line is 50 decibels (dBA) and for nighttime conditions this hourly limit is 45 decibels (dBA). As such, it is solely the responsibility of the owner/provider to ensure compliance with these standards. If the wireless telecommunications facility permitted and installed on the subject property exceed the noise limit requirements I understand that the County of San Diego will take enforcement action which may require the property owner to alter or remove the wireless telecommunications facility(s).

Signed,

DANIELLE WEIZMAN
Name (printed)

08/12/16
Date

Signature



SITE PLAN | 1" = 20'-0" | 1

Rev.	Description	Date
1	100% ZD	06-09-16
0	90% ZD	06-01-16

at&t
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

MM TELECOM INC

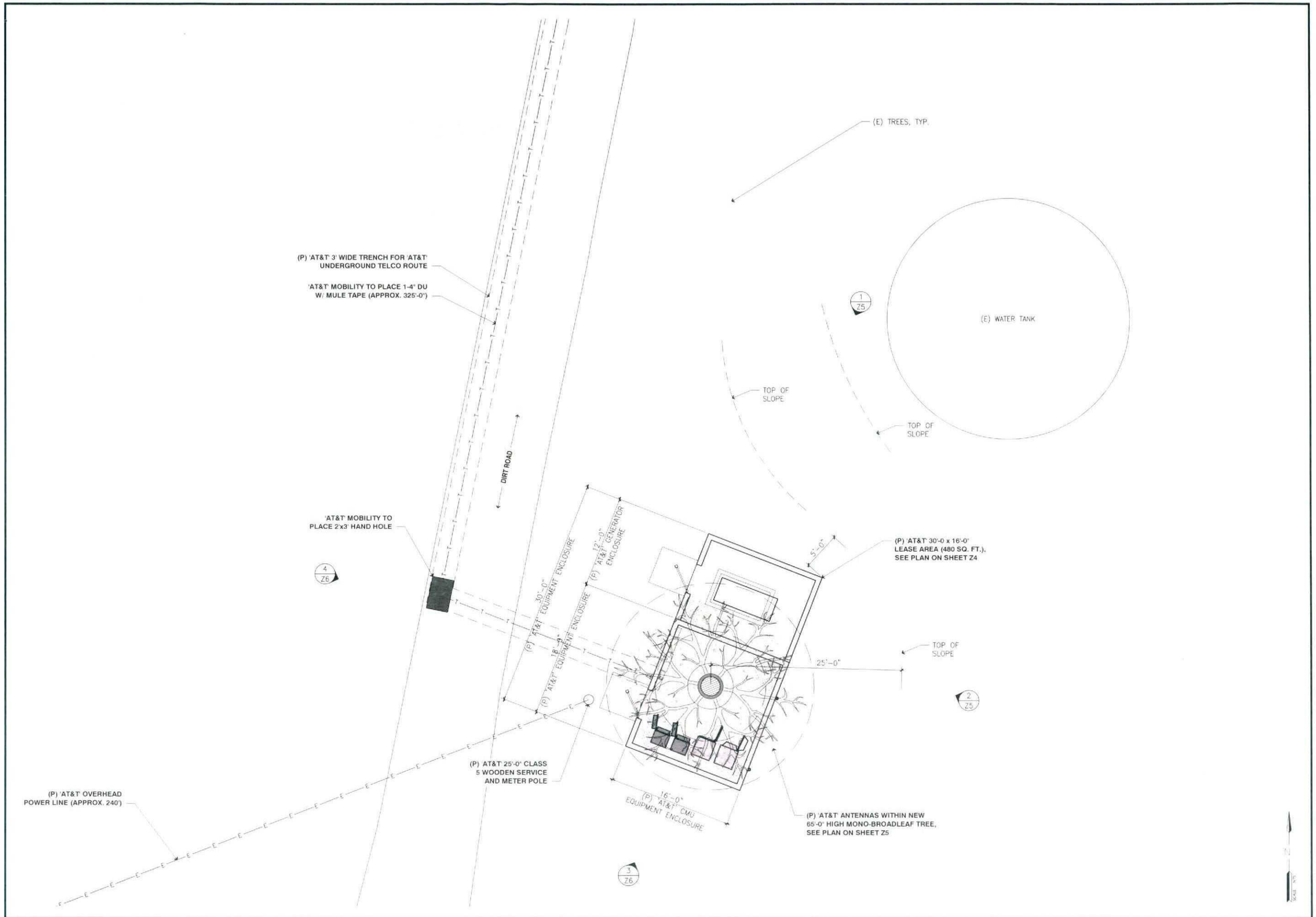
Sheet Title: SITE PLAN

SD0641
LAKE HENSHAW
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
NSB PROJECT

TELECOM MANAGEMENT GROUP
Solutions Your Right

NOT FOR CONSTRUCTION

Project Number:
Drawn by: ERO/RP
Checked by: ERO
Sheet No: Z3



ENLARGED SITE PLAN | 3/16" = 1'-0" | 1

Rev.	Description	Date:
1	100% ZD	06-09-16
0	90% ZD	06-01-16

at&t
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

MM TELECOM INC

Sheet Title:
ENLARGED SITE PLAN

SD0641
LAKE HENSHAW
26439 HIGHWAY 76
SANTA YSABEL, CA 92070
NSB PROJECT

TELECOM MANAGEMENT GROUP
Solutions Done Right

NOT FOR CONSTRUCTION

Project Number:
Drawn by: ERO/RP
Checked by: ERO
Sheet No.
Z4

BMP LEGEND:

DIRECTION OF LOT DRAINAGE → → →

TABLE I MINIMUM REQUIRED STANDARD CONSTRUCTION:

SS-3	STRAW OR WOOD MULCH	~SW~SW~
SS-4	HYDROSEEDING (SUMMER)	~TSP~TSP~
SS-7	PHYSICAL STABILIZATION (WINTER)	~EBM~EBM~
SC-5	FIBER ROLLS	–FR–FR–
SC-6	GRAVEL OR SAND BAGS	○○○○○
SC-8	GRAVEL OR SAND BAGS	○○○○○
TC-1	STABILIZED CONSTRUCTION ENTRANCE	▭
WM-1	MATERIAL DELIVERY & STORAGE	
WM-8	CONCRETE WASTE MANAGEMENT	
WM-5	SOLID WASTE MANAGEMENT	
WM-9	SANITARY WASTE MANAGEMENT	

TABLE II MINIMUM REQUIRED LOW IMPACT DEVELOPMENT BMPs:

2.2.3	MINIMIZE IMPERVIOUS SURFACE
2.2.5	DRAIN RUNOFF TO PERVIOUS AREAS

STORM WATER QUALITY NOTES CONSTRUCTION BMPS

NOTES 1–7 BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMPS.

1. THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE PERMIT; CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD AND THE COUNTY OF SAN DIEGO LAND DEVELOPMENT CODE.

2. SUFFICIENT BMPS MUST BE INSTALLED TO PREVENT SILT, MUD OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO THE ADJACENT STREET(S) OR STORM WATER CONVEYANCE SYSTEMS DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING ANY SUCH DEBRIS THAT MAY BE IN THE STREET AT THE END OF EACH WORK DAY OR AFTER A STORM EVENT THAT CAUSES A BREECH IN THE INSTALLED CONSTRUCTION BMPS.

3. ALL STOCK PILES OF UNCOMPACTED SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT UNPROTECTED FOR A PERIOD GREATER THAN SEVEN CALENDAR DAYS ARE TO BE PROVIDED WITH EROSION AND SEDIMENT CONTROLS. SUCH SOIL MUST BE PROTECTED EACH DAY WHEN THE PROBABILITY OF RAIN IS 40% OR GREATER.

4. A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE.

5. ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED IN WORKING ORDER AT ALL TIMES.

6. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

7. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

NOTES:

1. SAND OR GRAVEL BAGS AS SHOWN ON SITE PLAN SHALL BE IMPLEMENTED AS NEEDED TO PREVENT SEDIMENT FROM ENTERING INTO STORM DRAIN SYSTEM.
2. SAND OR GRAVEL BAGS ARE TO BE INSTALLED PRIOR TO START OF SITE WORK OR UPON REMOVAL OF EXISTING SITE PAVING.
3. SAND OR GRAVEL BAGS ARE TO BE MAINTAINED AND IN OPERABLE CONDITION AND SHALL BE REPLACED IF DAMAGED.
4. THE PRIMARY CONSTRUCTION ACTIVITIES, RELATED MATERIALS, AND WASTES THAT HAVE THE POTENTIAL TO POLLUTE STORM WATER INCLUDE:
   a. SOIL DISTURBING ACTIVITIES AND RESULTING EXPOSED SOIL AREAS, INCLUDING TRENCHING FOR CONDUITS AND CMU WALL FOOTINGS
   b. SLURRIES FROM MORTAR MIXING AND PCC SAW-CUTTING AND PLACEMENT
   c. SOLID WASTES FROM PCC DEMOLITION AND REMOVAL, SOUND-WALL CONSTRUCTION, AND FORM WORK
   d. TEMPORARY ON-SITE STORAGE OF CONSTRUCTION MATERIALS, INCLUDING MORTAR MIX, RAW LANDSCAPING AND SOIL STABILIZATION MATERIAL, TREATED LUMBER, REBAR AND PLATED METAL FENCING MATERIALS
   e. BMP MATERIALS (GRAVEL BAGS, LIQUID COPOLYMER)
      TREATED LUMBER (MATERIALS AND WASTES)
      REINFORCING BAR
      PCC RUBBLE
      BLOCK RUBBLE
      GENERAL LITTER
5. ALL TRENCH SEGMENTS EXCAVATED SHALL BE FILLED AND COVERED WITHIN A 24-HOUR PERIOD.

ELEVATION

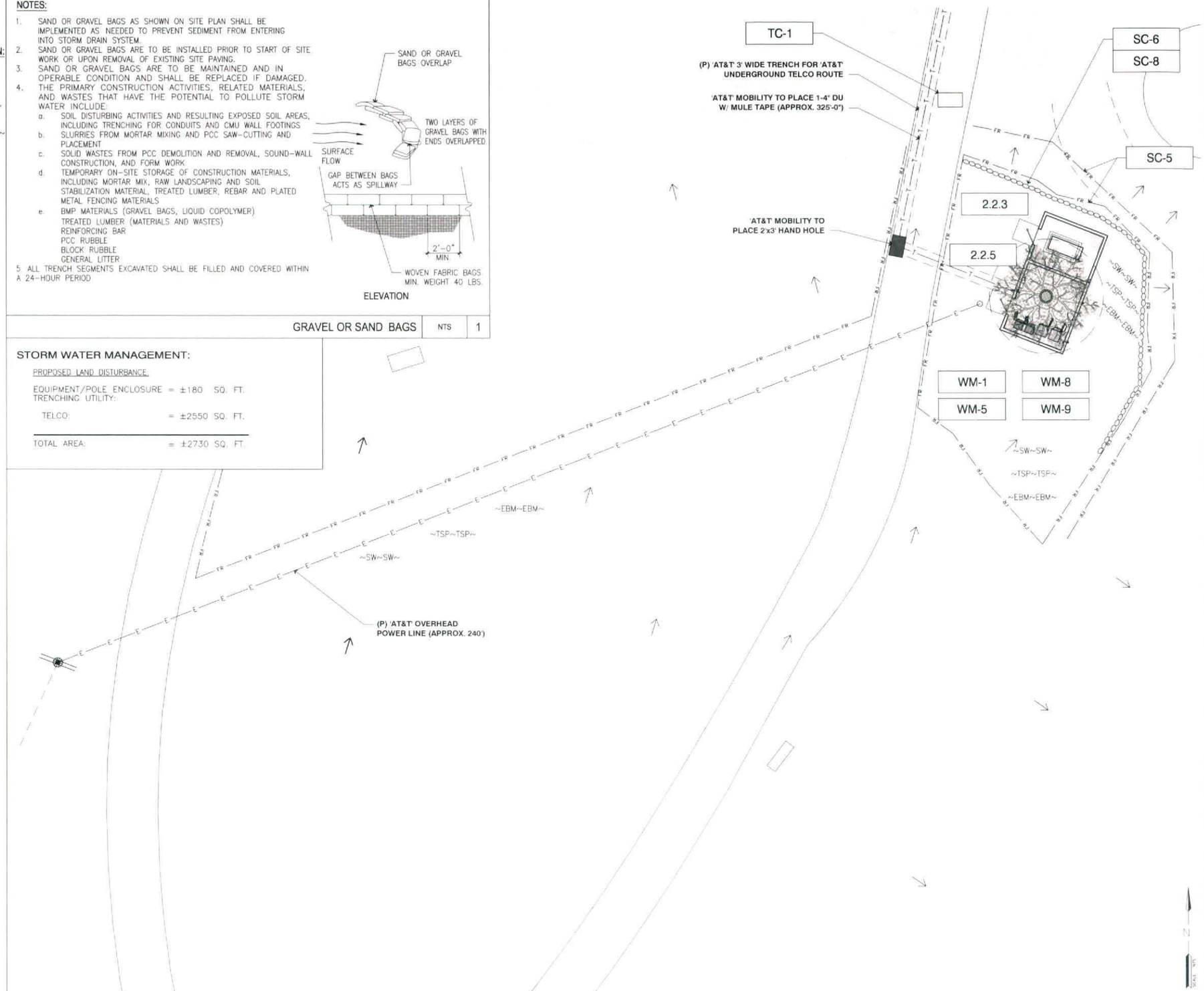
GRAVEL OR SAND BAGS | NTS | 1

STORM WATER MANAGEMENT:

PROPOSED LAND DISTURBANCE:

EQUIPMENT/POLE ENCLOSURE = ±180 SQ. FT.
TRENCHING UTILITY:
TELCO: = ±2550 SQ. FT.

TOTAL AREA: = ±2730 SQ. FT.



STORM WATER MANAGEMENT PLAN | 1" = 10'-0" | 2

Rev.	Description	Date:
1	100% ZD	06-09-16
0	90% ZD	06-01-16

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Sheet Title: STORM WATER MANAGEMENT PLAN

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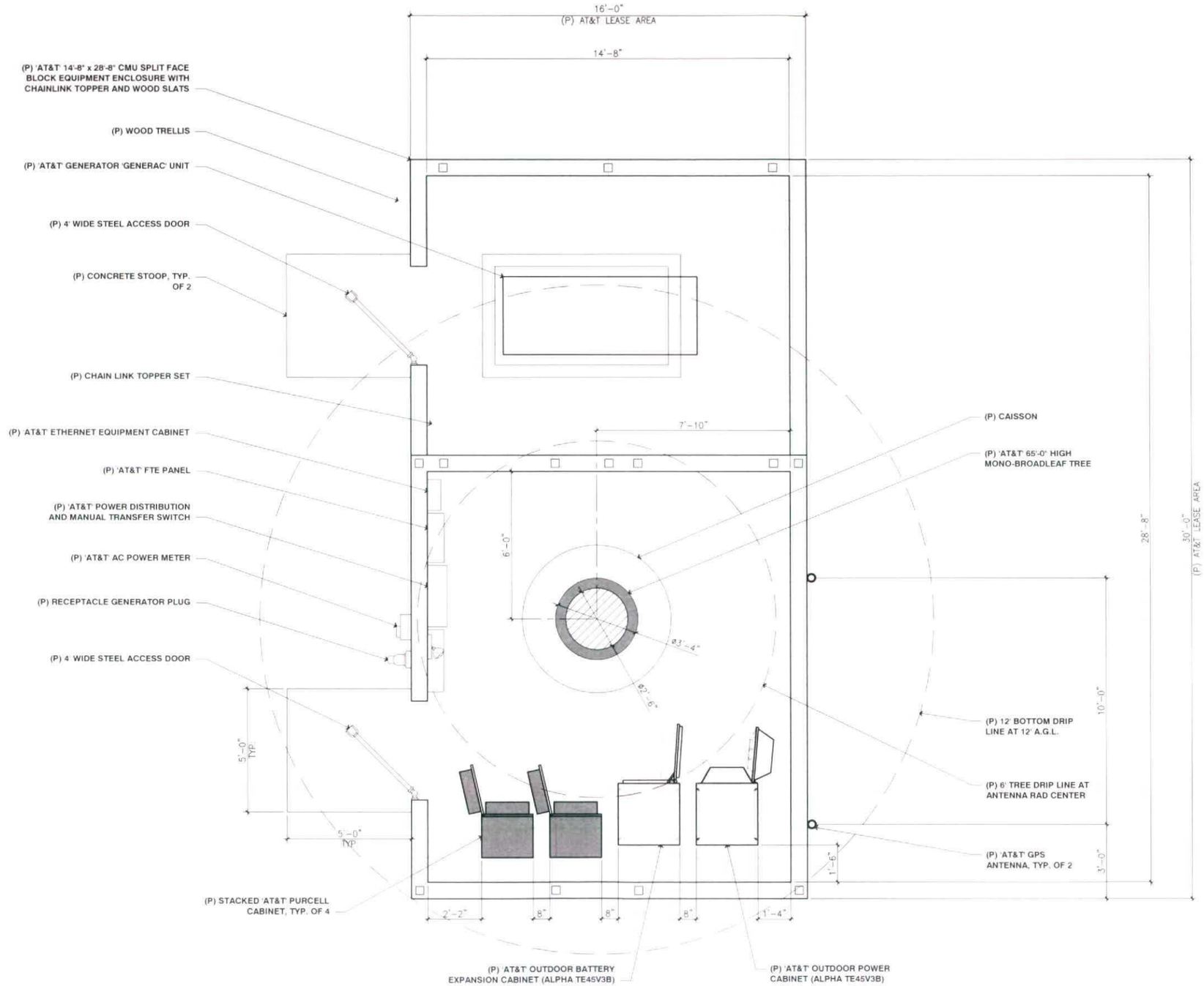

ENLARGED EQUIPMENT PLAN | 1/2" = 1'-0" | 1

Rev	Description	Date
1	100% ZD	06-09-16
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PROPOSED ANTENNA AND TRANSMISSION CABLE REQUIREMENTS

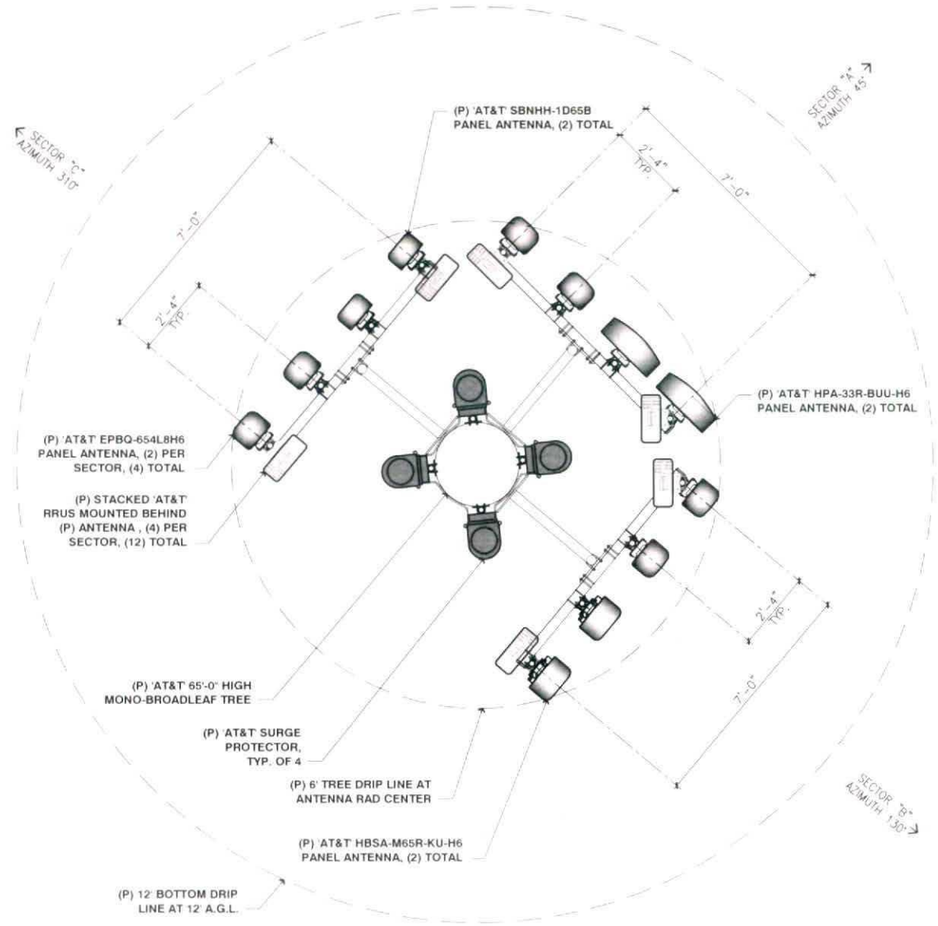
SECTOR		PROPOSED TECHNOLOGY	ANTENNA		ANTENNA AZIMUTH	ANTENNA TIP HEIGHT	TRANSMISSION LINES (LENGTH FT +/-)	
			MAKE / MODEL	SIZE (4'; 6'; 8')			JUMPER	DC CABLE (AWG #8)
ALPHA SECTOR	A1	LTE	CCI HPA-33R-BUU-H6	6'	45°	60'-0"	<12'	+/- 75'
	A2	UMTS	CCI HPA-33R-BUU-H6	6'	45°	60'-0"	<12'	+/- 75'
	A3	GSM	KMW EPBQ-654L8H6	6'	45°	60'-0"	<12'	+/- 75'
	A4	LTE	KMW EPBQ-654L8H6	6'	45°	60'-0"	<12'	+/- 75'
BETA SECTOR	B1	LTE	CCI HBSA-M65R-KU-H6	6'	130°	60'-0"	<12'	+/- 75'
	B2	UMTS	CCI HBSA-M65R-KU-H6	6'	130°	60'-0"	<12'	+/- 75'
	B3	GSM	KMW EPBQ-654L8H6	6'	130°	60'-0"	<12'	+/- 75'
	B4	LTE	KMW EPBQ-654L8H6	6'	130°	60'-0"	<12'	+/- 75'
GAMMA SECTOR	C1	LTE	COMMSCOPE SBNHH-1D65B	6'	310°	60'-0"	<12'	+/- 75'
	C2	UMTS	COMMSCOPE SBNHH-1D65B	6'	310°	60'-0"	<12'	+/- 75'
	C3	GSM	KMW EPBQ-654L8H6	6'	310°	60'-0"	<12'	+/- 75'
	C4	LTE	KMW EPBQ-654L8H6	6'	310°	60'-0"	<12'	+/- 75'

REMOTE RADIO UNIT (RRU)

SECTOR		RRU UP OR DOWN	RRU COUNT	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES		
					ABOVE	BELOW	SIDES
ALPHA SECTOR	A1	UP	2	<10'	18"	8"	8"
	A2						
	A3						
	A4	UP	2	<10'	18"	8"	8"
BETA SECTOR	B1	UP	2	<10'	18"	8"	8"
	B2						
	B3						
	B4	UP	2	<10'	18"	8"	8"
GAMMA SECTOR	C1	UP	2	<10'	18"	8"	8"
	C2						
	C3						
	C4	UP	2	<10'	18"	8"	8"

ANTENNA AND RRU SCHEDULE | NTS | 1

NOTE:
PROPOSED ANTENNAS, RRUS AND EQUIPMENTS TO BE PAINTED TO MATCH NEW MONO-BROADLEAF TREE AND ADD ANTENNA SOCK TO EACH ANTENNA.



ENLARGED ANTENNA LAYOUT | 1/2" = 1'-0" | 2

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RRU AND ANTENNA SCHEDULE AND ANTENNA LAYOUT

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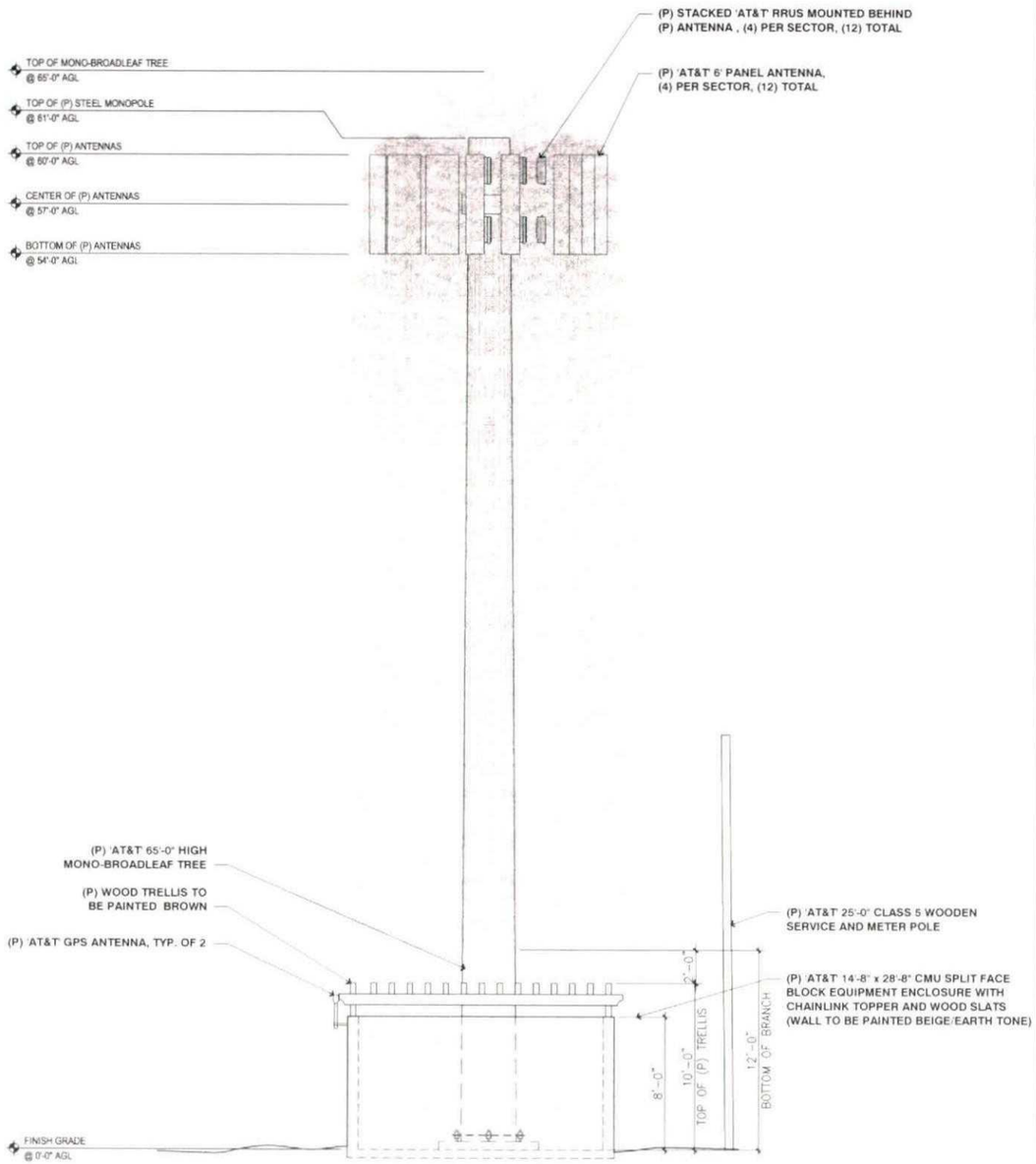
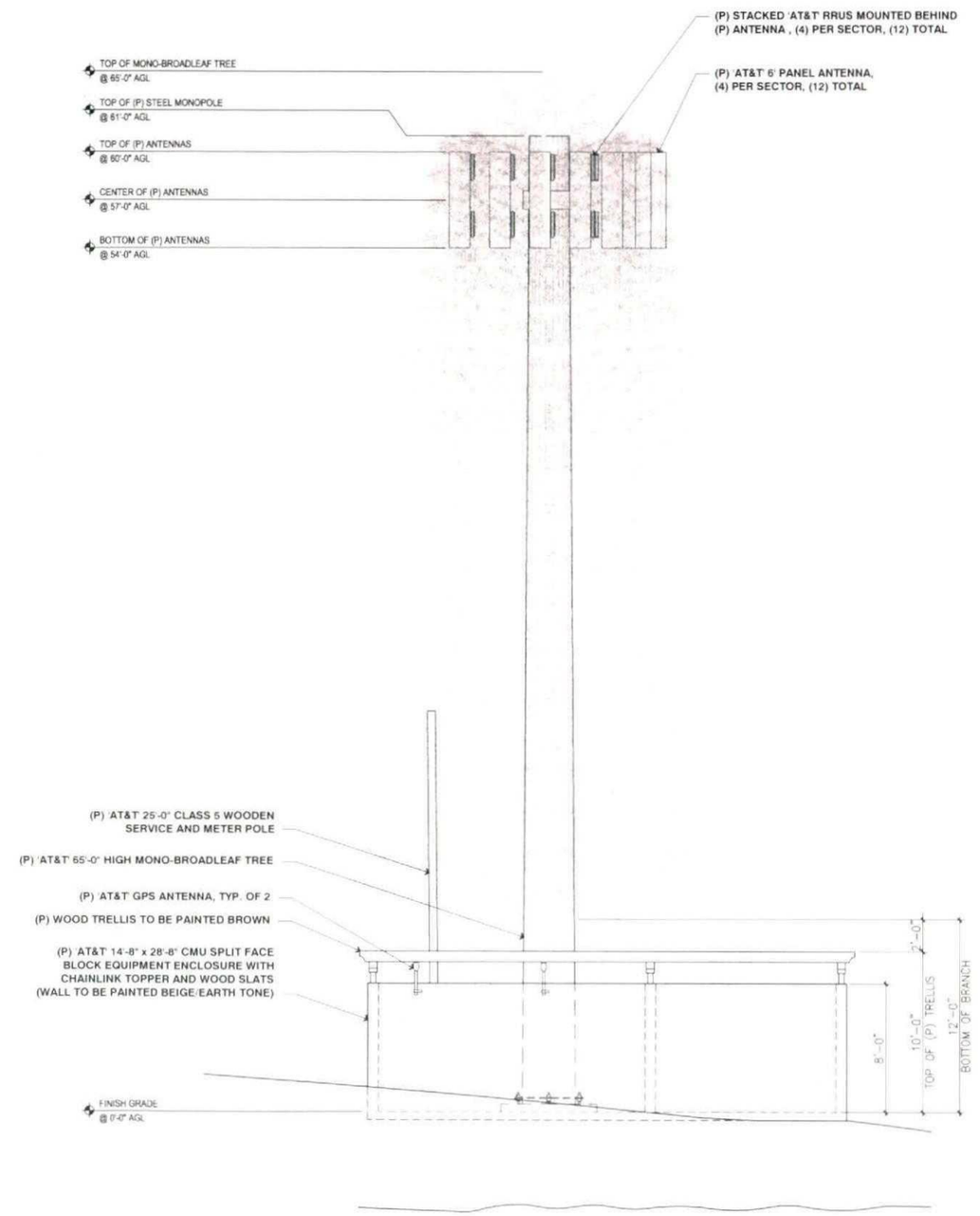
NOTE:
PROPOSED ANTENNAS, RRUS AND EQUIPMENTS TO BE PAINTED TO MATCH NEW MONO-BROADLEAF TREE AND ADD ANTENNA SOCK TO EACH ANTENNA.



(P) NORTH ELEVATION | 1/4" = 1'-0" | 1

NOTE:
PROPOSED ANTENNAS, RRUS AND EQUIPMENTS TO BE PAINTED TO MATCH NEW MONO-BROADLEAF TREE AND ADD ANTENNA SOCK TO EACH ANTENNA.



(P) EAST ELEVATION | 1/4" = 1'-0" | 2

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1	100% ZD	06-09-16
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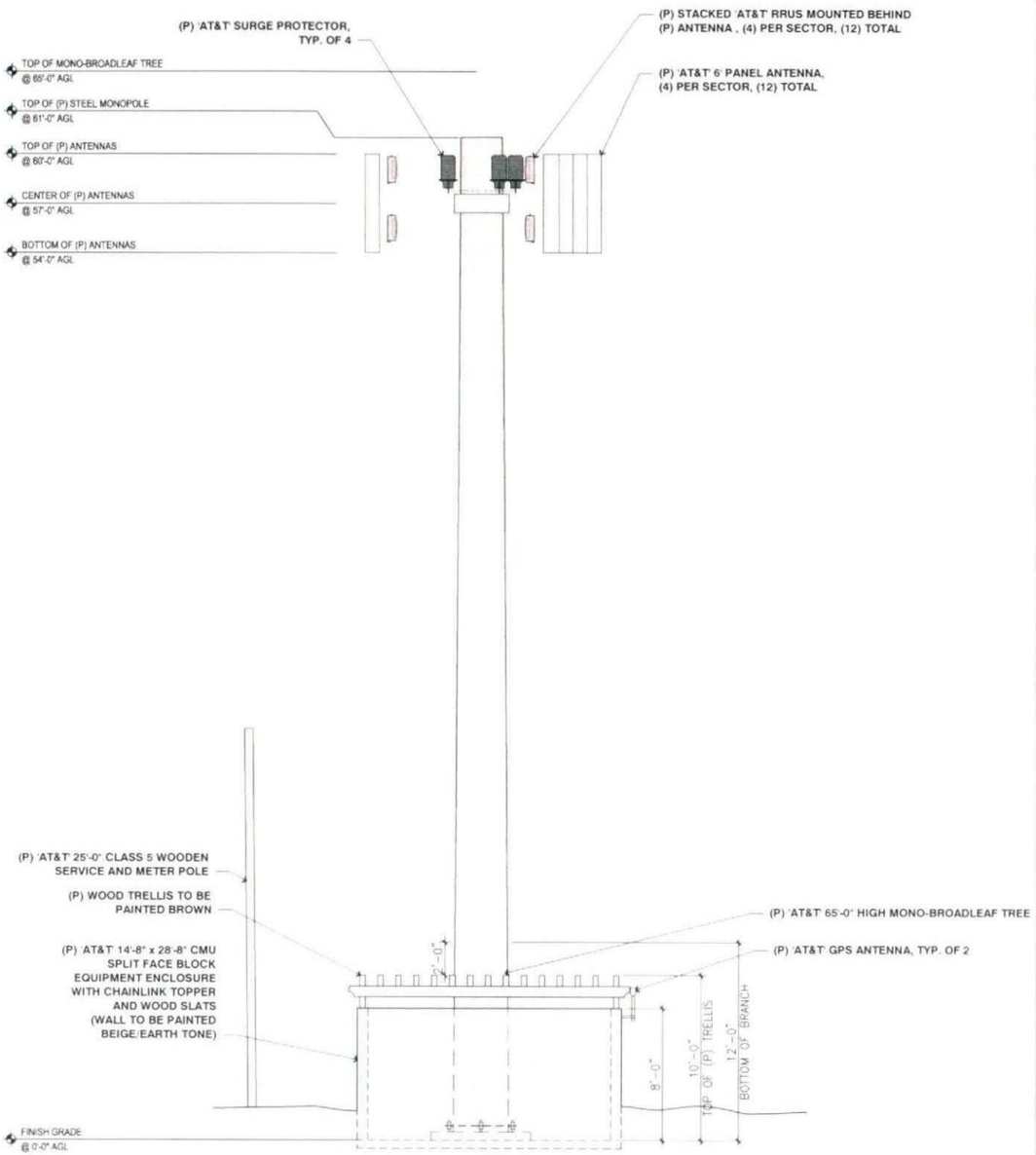
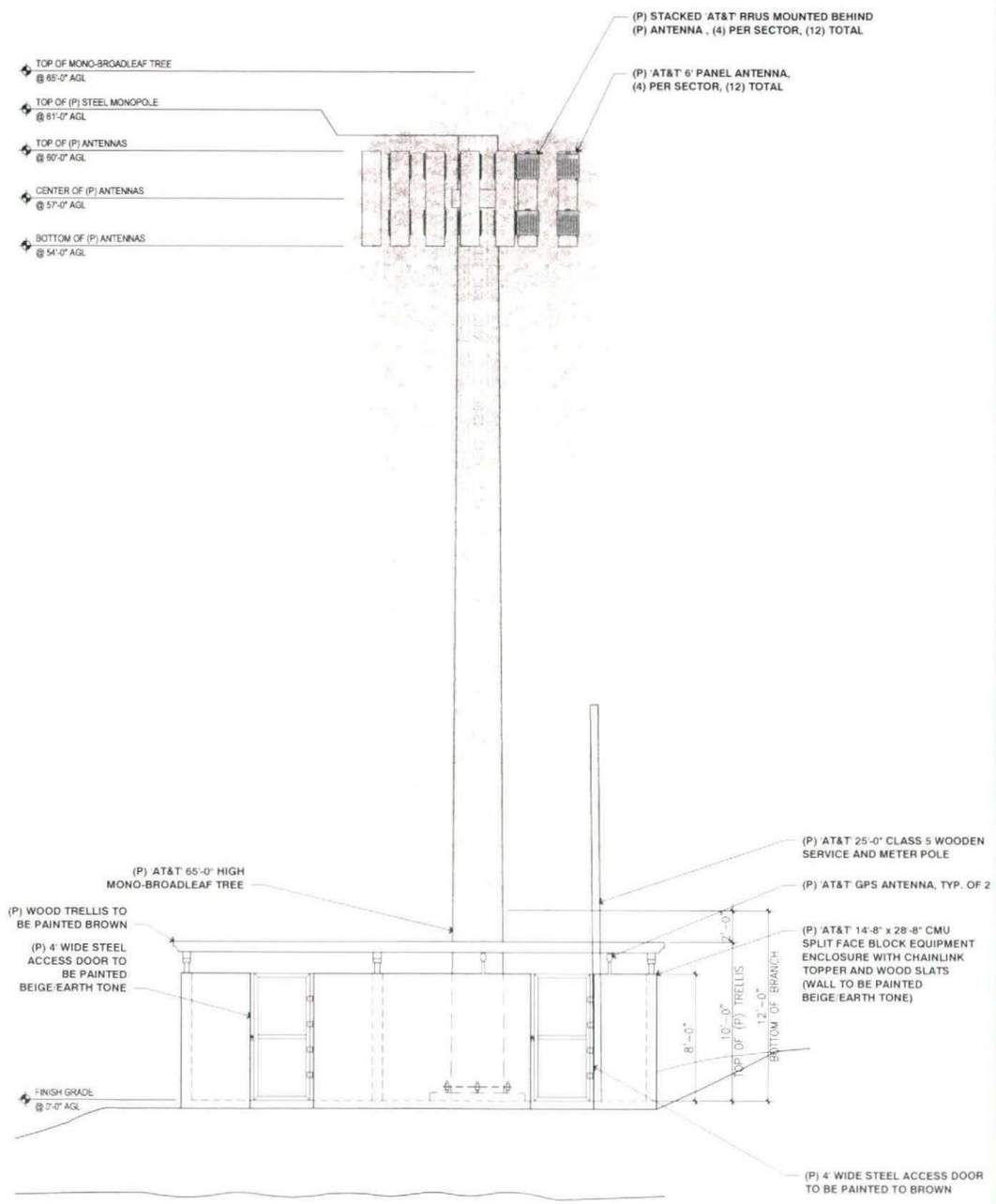
Z7

NOTE:
PROPOSED ANTENNAS, RRUS AND EQUIPMENTS TO BE PAINTED TO MATCH NEW MONO-BROADLEAF TREE AND ADD ANTENNA SOCK TO EACH ANTENNA.



(P) SOUTH ELEVATION 1/4" = 1'-0" 1

NOTE:
PROPOSED ANTENNAS, RRUS AND EQUIPMENTS TO BE PAINTED TO MATCH NEW MONO-BROADLEAF TREE AND ADD ANTENNA SOCK TO EACH ANTENNA.



(P) WEST ELEVATION 1/4" = 1'-0" 2

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CCI HBSA-M65R-KU-H6

DIMENSIONS (LxWxD)	68.1X13.7X8.5 IN (1730x348x216 MM)
FRONT WIND LOAD	217 LBS @ 100 MPH
SIDE WIND LOAD	147 LBS @ 100 MPH
WEIGHT	44.5 LBS (20.2 KG)
CONNECTOR	6 X 7-16 DIN FEMALE LONG NECK

(P) ANTENNA SPECIFICATIONS | NTS | 1

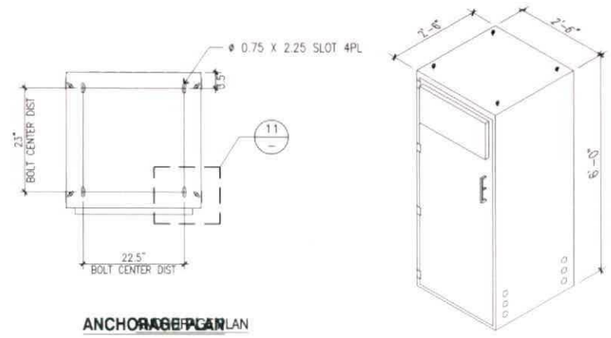
CCI HPA-33R-BUU-H6

DIMENSIONS (LxWxD)	72.5x23.1x8.8 IN (1841x587x224 MM)
SURVIVAL WIND SPEED	> 125 MPH (> 201 KPH)
FRONT WIND LOAD	366 LBS @ 100 MPH
SIDE WIND LOAD	164 LBS @ 100 MPH
WEIGHT	66.6 LBS (30.2 KG)
CONNECTOR	6 x 7-16 DIN FEMALE LONG NECK

(P) ANTENNA SPECIFICATIONS | NTS | 2

ALPHA TE45V3B BATTERY ENCLOSURE

DIMENSIONS, WxDxH:	762x762x1828.8mm (30"x30"x72")
WEIGHT (FULLY LOADED):	1811 LBS

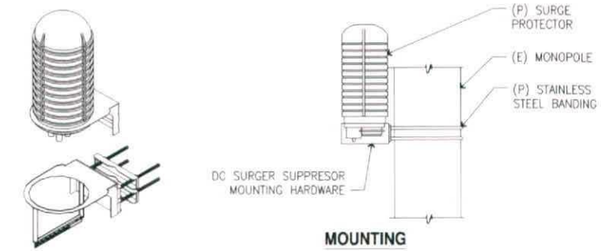


ANCHORAGE PLAN

(P) BATTERY ENCLOSURE SPECIFICATIONS | NTS | 6

RAYCAP DC6-48-60-18-8F

DIMENSIONS, WxDxH: (11"x18.5"X31.25")	280x470X794mm
NOMINAL OPERATING VOLTAGE:	48 VDC
NOMINAL DISCHARGE CURRENT:	20 kA 8/20µs
MAXIMUM DISCHARGE CURRENT:	60 kA 8/20µs
MAXIMUM CONTINUOUS OPERATING VOLTAGE:	75 VDC
VOLTAGE PROTECTION RATING:	400 V
WIND LOADING:	150 MPH SUSTAINED (105.7 lbs) 195 MPH GUST (213.6 lbs)
TOTAL WEIGHT:	32.8 lbs



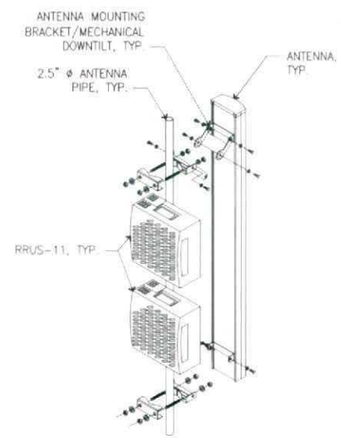
MOUNTING

(P) SURGE PROTECTOR SPECIFICATIONS | NTS | 9

KMW EPBQ-654L8H6

DIMENSIONS, HxWxD:	1954x305x230mm (76.9"x12.0"x9.1")
NET WEIGHT:	39.9 kg. (88.0 lbs)
WIND LOAD, MAXIMUM	617.7 N @ 150 kph 138.9 lbf @ 150 kph
WIND, MAXIMUM	(@100 MPH) 914N, 689N, 914N
CONNECTOR:	12 X 4.3-10 (FEMALE)

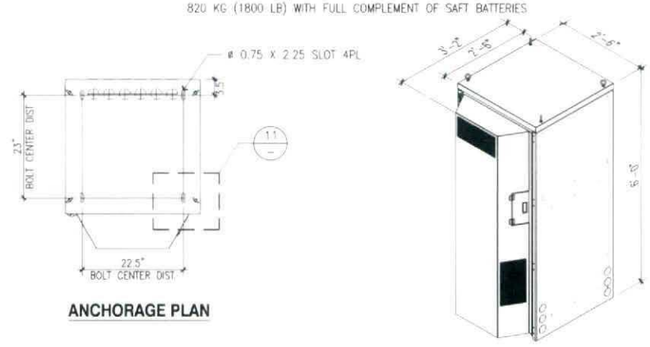
(P) ANTENNA SPECIFICATIONS | NTS | 3



(P) ANTENNA / RRU MOUNTING | NTS | 4

ALPHA TE45V3 OUTDOOR POWER ENCLOSURE

DIMENSIONS, WxDxH:	762x762x1828.8mm (30"x30"x72")
WEIGHT (FULLY LOADED):	314 KG (690 LB) (NO BATTERIES OR RECTIFIERS) 1040 KG (2300 LB) WITH FULL COMPLEMENT OF GNB BATTERIES 820 KG (1800 LB) WITH FULL COMPLEMENT OF SAFT BATTERIES

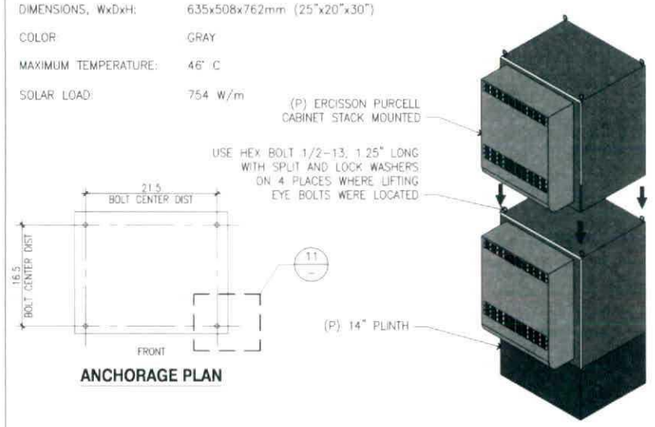


ANCHORAGE PLAN

(P) ARGUS POWER PLANT SPECIFICATIONS | NTS | 7

ERICSSON LTE CABINET

DIMENSIONS, WxDxH:	635x508x762mm (25"x20"x30")
COLOR:	GRAY
MAXIMUM TEMPERATURE:	46° C
SOLAR LOAD:	754 W/m

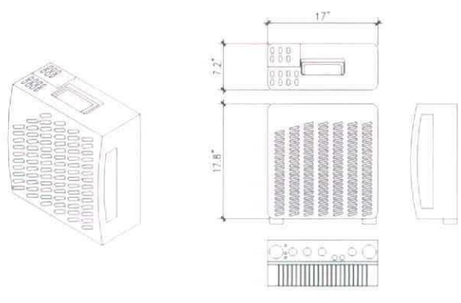


ANCHORAGE PLAN

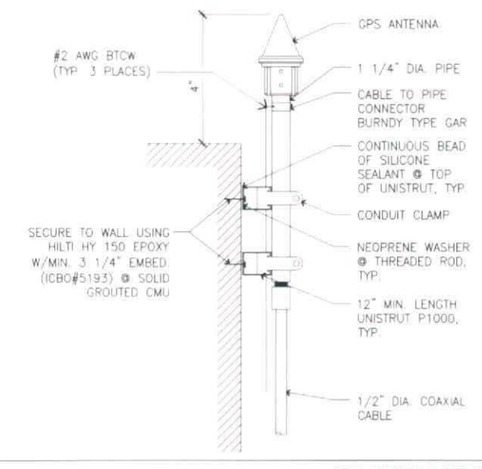
(P) LTE PURCELL CABINET SPECIFICTIONS | NTS | 10

ERICSSON RRUS-11

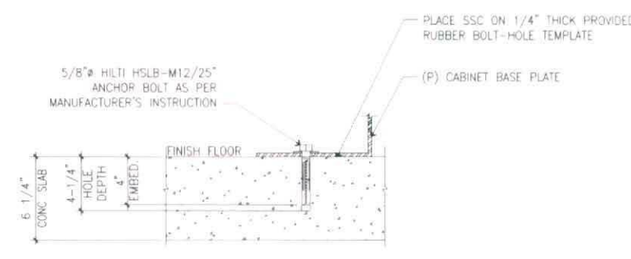
DIMENSIONS, WxDxH:	431x184x452mm (17"x7.2"x17.8")
POWER CONSUMPTION:	200 WATTS
TOTAL WEIGHT:	55 lbs
TEMPERATURE:	-40° TO 55° C



(P) RRU SPECIFICATIONS | NTS | 5



GPS ANTENNA MOUNTING | NTS | 8



CONCRETE ANCHOR DETAIL | NTS | 11

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