AT&T

FIRSTNET/AT&T SITE ID: CCL06249
FIRSTNET/AT&T SITE NAME: HILL ROAD AND PARKWAY INTERSECTION

FA LOCATION CODE: 15532196
USID: 319474
PACE ID: MRSFR077622

PSTC SITE #: CANC-NLAKE01
SITE ADDRESS: 3275 HILL RD AND PARKWAY INTERSECTION
LAKEPORT, CA 95453
COUNTY: LAKE
SITE TYPE: MONOPINE
TOWER HEIGHT: 80'-0"

SITE INFORMATION

PSTC SITE NAME:	HILL ROAD AND PARKWAY INTERSECTION
SITE ADDRESS:	3275 HILL RD LAKEPORT, CA 95453
COUNTY:	LAKE
MAP/PARCEL #:	005-015-410-0000
AREA OF CONSTRUCTION:	13,843 SQ FT
LATITUDE:	N 39° 04' 40.04" (39.077789°)
LONGITUDE:	W 122° 55' 59.75" (-122.933264°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	1470.1'±
CURRENT LAND USE:	AGRICULTURE
JURISDICTION:	LAKE COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	VB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	CARPENTER JAMES M 200 NORTH MAIN ST #C LAKEPORT, CA 95453
TOWER OWNER:	PUBLIC SAFETY TOWERS, LLC 1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008
CARRIER/APPLICANT:	AT&T 5005 EXECUTIVE PKWY SAN RAMON, CA 94583
ELECTRIC PROVIDER:	PG&E
TELCO PROVIDER:	TBD

PROJECT TEAM

PUBLIC SAFETY TOWERS, LLC CONTACT:	1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008 STEPHANIE VANDERVEEN S.VANDERVEEN@PSTCTOWERS.COM (619) 417-9925
TEP PROJECT TEAM:	TOWER ENGINEERING PROFESSIONALS 4710 E ELWOOD ST, STE 9 PHOENIX, AZ 85040
SITE ACQUISITION CONTACT:	CAROL KINCHELOE CKINCHELOE@TEPGROUP.NET (619) 488-0933
CIVIL ENGINEER:	ANDREW T. HALDANE, PE AHALADANE@TEPGROUP.NET (919) 661-6351
ELECTRICAL ENGINEER:	MARK QUAKENBUSH, PE MQUAKENBUSH@TEPGROUP.NET (919) 661-6351
AT&T PROJECT TEAM:	
RF ENGINEER:	EDWIN AVILES EA5477@ATT.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION	REV
T-1	TITLE SHEET	J
GN-1	GENERAL NOTES	J
LS-1	SITE SURVEY	2
LS-2	SITE SURVEY	2
LS-3	NOTES	2
C-1.1	SITE PLAN	J
C-1.2	COMPOUND LAYOUT	J
C-2.1	FINAL ELEVATION	J
C-2.2	FINAL ELEVATION	J
C-3	ANTENNA LAYOUT & SCHEDULE	J
C-4.1	CONSTRUCTION DETAILS	J
C-4.2	CONSTRUCTION DETAILS	J
C-5	WALK-UP-CABINET DETAILS	J
C-6	GENERATOR DETAILS	J
C-7	BATTERY DETAILS	J
C-8	SOIL & EROSION CONTROL PLAN	J
E-1	AC PANEL SCHEDULE	J
E-2	ONE-LINE DIAGRAM	J

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 24x36. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

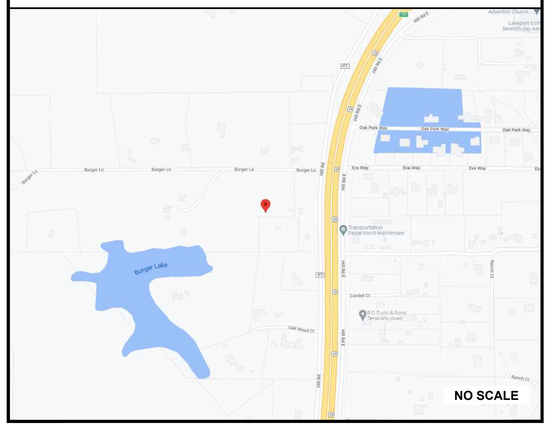
PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY IN THE AREA FOR EMERGENCY SERVICE AND WIRELESS CUSTOMERS.

TOWER SCOPE OF WORK
- INSTALL 80'-0" MONOPINE TOWER
- INSTALL (15) ANTENNAS
- INSTALL (15) RADIOS
- INSTALL (3) DC9 SQUIDS
- INSTALL (9) DC POWER TRUNKS
- INSTALL (3) FIBER TRUNKS
- INSTALL (3) SECTOR MOUNTS
- INSTALL (3) MODIFIED RRH MOUNTS

GROUND SCOPE OF WORK
- INSTALL 33'-0"x33'-0" CHAIN-LINK FENCED COMPOUND
- INSTALL (1) 600A GUTTER AND 200A METER ON PROPOSED H-FRAME\
- INSTALL 17'-7"x10'-4" CONCRETE PAD
- INSTALL (1) EQUIPMENT PLATFORM
- INSTALL (1) WALK-UP-CABINET (WUC)
- INSTALL (1) 30 KW DIESEL GENERATOR
- INSTALL (1) RAYCAP DC50 BOX
- INSTALL (1) 30"x30"x12" HOFFMAN BOX WITH CIENA ABOVE
- INSTALL ICE BRIDGE

LOCATION MAP



APPROVALS

AT&T (RF): _____
DATE: _____

AT&T OPERATIONS: _____
DATE: _____

SITE AQUISITION: _____
DATE: _____

CONSTRUCTION MANAGER: _____
DATE: _____

PROPERTY OWNER: _____
DATE: _____

ZONING: _____
DATE: _____

PROJECT MANAGER: _____
DATE: _____

DIRECTIONS FROM 5005 EXECUTIVE PARKWAY SAN RAMON,CA 95843: GET ON I-680 N IN DANVLLE FROM CAMINO RAMON (1.9 MI), CONTINUE ON I-680 N. TAKE CA-29 TO HWY 175 W IN MIDDLETOWN (91.6 MI) TAKE BOTTLE ROCK RD TO CA-29 N/HWY 175 W IN KELSEYVILLE (19 MI) FOLLOW CA-29 N TO PARK WAY IN NORTH LAKEPORT. TAKE EXIT 106 FROM CA-29 N. (12.8 MI) FOLLOW HILL RD E TO YOUR DESTINATION (1.9 MI)

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS 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:

CODE TYPE	CODE
BUILDING	2022 CBC (2021 IBC)
MECHANICAL	2022 CMC (2021 UMC)
ELECTRICAL	2022 CEC (2020 NEC)
STRUCTURAL	EIA/TIA-222H

REFERENCE DOCUMENTS:

RFDS VERSION: 1.00
UPDATED: 07/07/2023

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

CALL CALIFORNIA ONE CALL
(800) 227-2600
CALL 3 WORKING DAYS
BEFORE YOU DIG!

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PSTC #: CANC-NLAKE01
HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD
LAKEPORT, CA 95453
(LAKE COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

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G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1
REVISION: J

TEP #: 314197.336183

PROJECT NOTES:

1. ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED PUBLIC SAFETY TOWERS, LLC OR ITS DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING TO HAVE SUFFICIENT EXPERIENCE AND ABILITY, IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE THE TOWER IS LOCATED.
3. THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H AND CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE.
4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
5. 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.
6. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
8. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OF CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTIONS 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 PROCEDURES.
9. 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.
10. 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 ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK. RENTAL CHARGES, SAFETY, PROTECTION, AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE OWNER PROJECT MANAGER. THIS INCLUDES ALL SPECIFIC MILITARY INSTALLATION INSTRUCTIONS INCLUDING STAFF ACCESS AND GATE SPECIFIC INSTRUCTIONS.
12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
14. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER AS WELL AS ANY REQUIRED NOTICES SPECIFIC TO THE MILITARY INSTITUTION.
15. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIALS HALL BE REWORKED OR REPLACED.
16. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
17. THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.
18. ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.
19. TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
20. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH OWNER SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO OWNER PRIOR TO THE START OF THE WORK ON THE PROJECT.
21. THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.
22. THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO THE SUBSTANTIAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL FURNISH ONE 55 GALLON BARREL OR EQUIVALENT, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.
23. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING THE PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.
24. THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
25. THE CONTRACTOR SHALL PROVIDE DAILY UPDATES IN THE FORM OF WRITTEN NOTIFICATION VIA EMAIL OR APP PHOTOS TO THE BOINGO CONSTRUCTION MANAGER.

UTILITY NOTES:

1. APPLY FOR THE UTILITY SERVICE (ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND THE SERVICE ROUTING. COORDINATE WITH THE TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
2. ALL UTILITY RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE UTILITY REQUIREMENTS. FIELD TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CONTACT UTILITIES AND LOCATOR SERVICE A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE TRENCHING AND CONDUITS AS SHOWN OR AS REQUIRED BY LOCAL UTILITY.
5. NO PENETRATIONS TO THE TOWER FOUNDATION OF ANY KIND.

PUBLICSAFETYTOWERS COMPANY
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CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

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PSTC #: CANC-NLAKE01
HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD
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PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
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G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

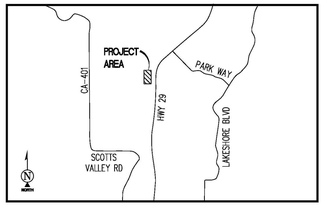
SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER: GN-1
REVISION: J

TEP #: 314197.336183



VICINITY MAP
N.T.S.

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTES

CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

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

ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

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

LEGEND

- NG — NATURAL GRADE
- GUY WIRE
- TREES
- PINE TREES
- UTILITY POLE
- POSITION OF GEODETIC COORDINATES
- XXXX.X SPOT ELEVATION
- BARBED WIRE FENCE
- "HOG-WIRE" FENCE
- O/H — O/H — O/H — OVERHEAD LINES
- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- LEASE AREA LIMITS
- MAJOR CONTOUR INTERVAL
- MINOR CONTOUR INTERVAL

SURVEY DATE

10/04/2022

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE 2 STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011) (EPOCH 2019.25). DETERMINED BY GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE SMARTNET REFERENCE NETWORK.

BENCHMARK

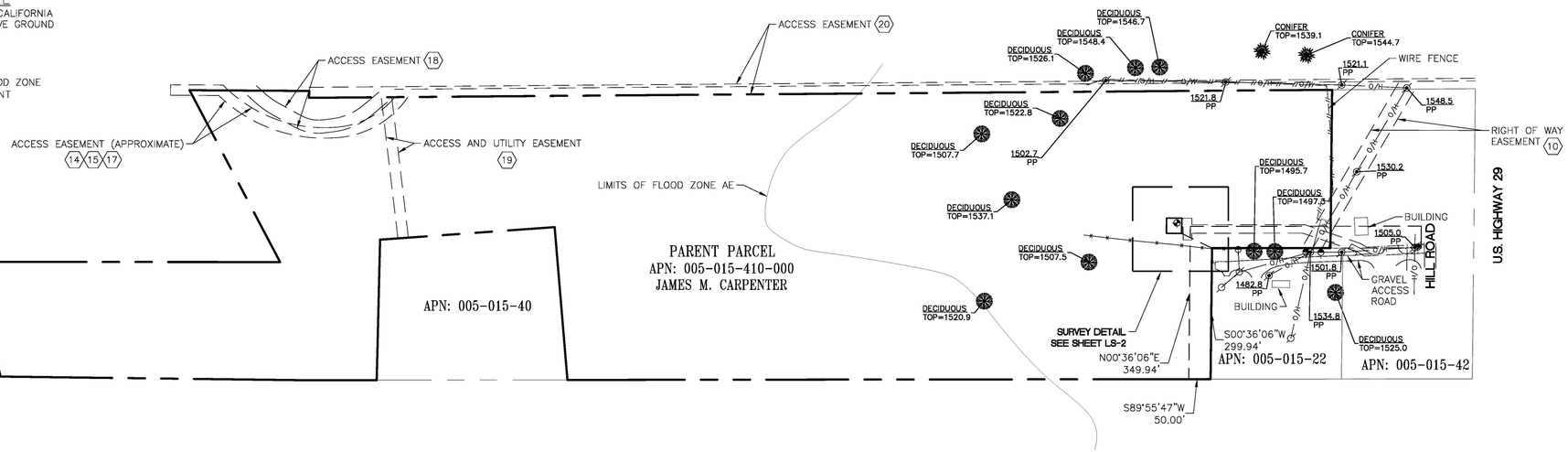
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12B' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'SMARTNET' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

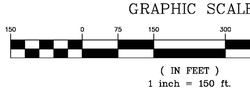
GRID-TO-GROUND SCALE FACTOR NOTE

ALL BEARINGS AND DISTANCES ARE BASED ON THE CALIFORNIA TWO STATE PLANE COORDINATE ZONE GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99984976

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06033C0483D, DATED 9/30/2005

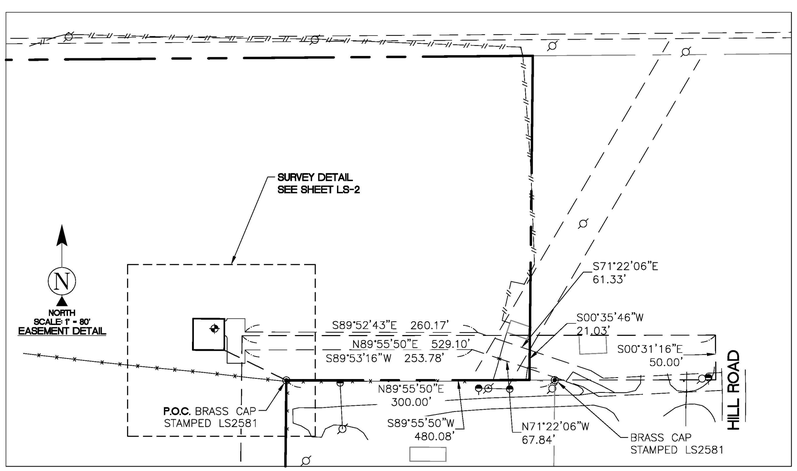




GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch = 150 ft.



at&t

PROJECT INFORMATION:

CCL06249
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3275 HILL ROAD
LAKEPORT, CA 95453

LAKE COUNTY

ORIGINAL ISSUE DATE:

10/06/2022

REV.:	DATE:	DESCRIPTION:	BY:
A	10/06/22	PRELIMINARY	CK
0	1/05/23	LEGALS (C)	CK
1	05/15/2023	NEW DESIGN (C)	SB
2	12/15/2023	NEW DESIGN (C)	PD

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
(919) 661-6351

CONSULTANT:

428 MAIN STREET
SUITE 206
HUNTINGTON BEACH, CA 92648
PH. (480) 659-4072
www.ambitconsulting.us

ambit consulting

DRAWN BY:	CHK.:	APV.:
CK	NS (P)	PD

LICENSER:

LICENSED LAND SURVEYOR
PATRICK B. DONOHOE
No. 9332
STATE OF CALIFORNIA
12/15/2023

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

LS-1

POSITION OF GEODETIC COORDINATES
LATITUDE 39° 04' 40.04" (39.077789°) NORTH (NAD83)
LONGITUDE 122° 55' 59.75" (122.933264°) WEST (NAD83)
GROUND ELEVATION @ 1471.0' (NAVD88)

LEGEND

NG NATURAL GRADE	UTILITY POLE
GUY WIRE	POSITION OF GEODETIC COORDINATES
TREES	XXXX.X NG SPOT ELEVATION
PINE TREES	
P.O.C. POINT OF COMMENCEMENT	
P.O.B. POINT OF BEGINNING	
BARBED WIRE FENCE	
"HOG-WIRE" FENCE	
O/H O/H O/H OVERHEAD LINES	
SUBJECT PROPERTY LINE	
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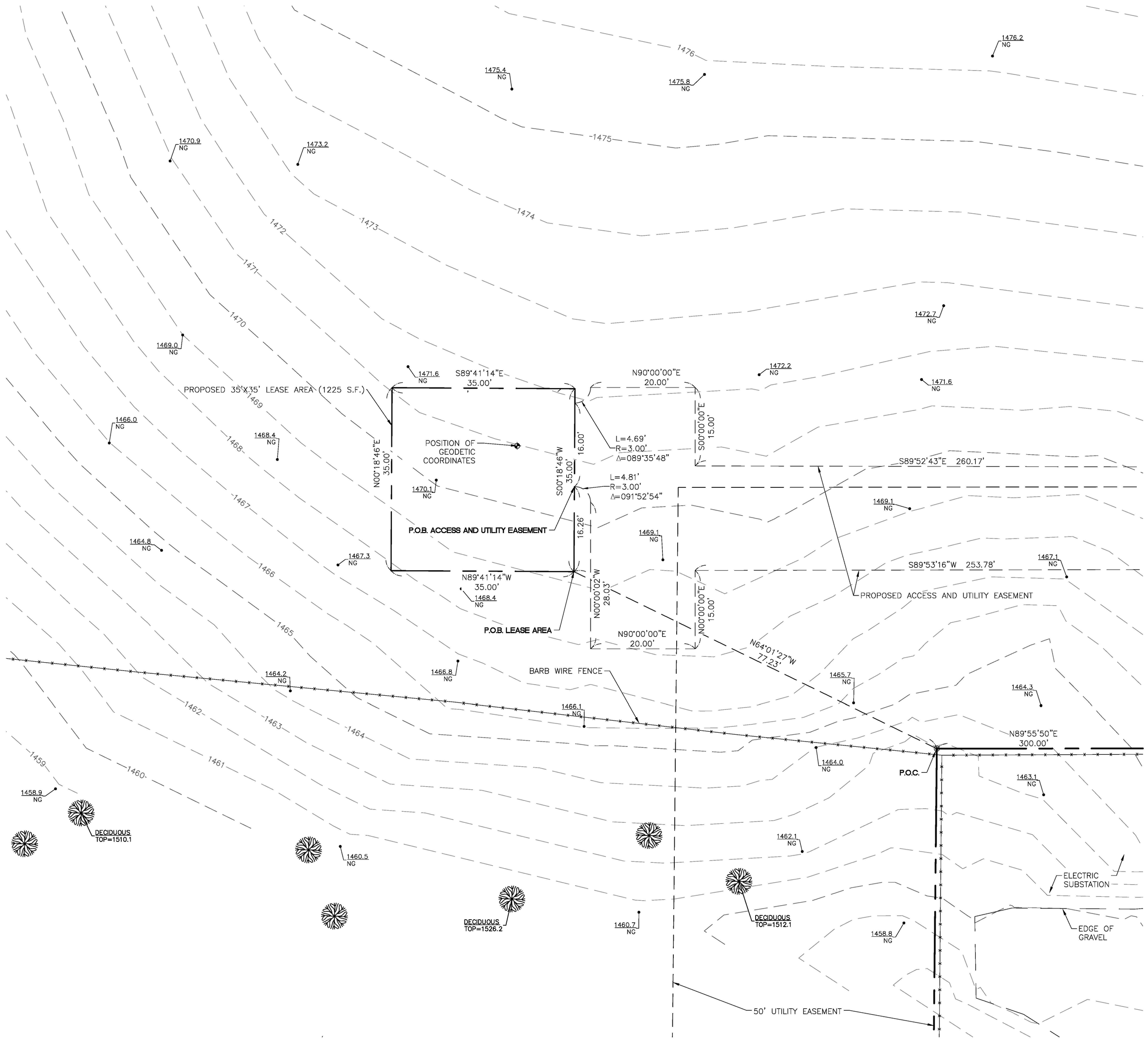

N 13° 31' E

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

at&t

PROJECT INFORMATION:

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DRAWN BY:	CHK.:	APV.:
CK	NS (P)	PD

LICENSER:

LICENSED LAND SURVEYOR
PATRICK B. DONOHOE
No. 9332
STATE OF CALIFORNIA
12/15/2023

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

LS-2

SCHEDULE "B" NOTE

REFERENCE IS MADE TO THE TITLE REPORT ORDER #TEP–138435–I, ISSUED BY TOWER TITLE AND CLOSING, DATED AUGUST 5, 2022. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED.

ITEMIZED NOTES:
1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS REPORT, INCLUDING:
A. TAXES OR ASSESSMENTS THAT ARE NOT SHOWN AS EXISTING LIENS BY THE RECORDS OF ANY TAXING AUTHORITY THAT LEVIES TAXES OR ASSESSMENTS ON REAL PROPERTY OR BY THE PUBLIC RECORDS;
B. PROCEEDINGS BY A PUBLIC AGENCY THAT MAY RESULT IN TAXES OR ASSESSMENTS, OR NOTICES OF SUCH PROCEEDINGS, WHETHER OR NOT SHOWN BY THE RECORDS OF SUCH AGENCY OR BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

2. THE LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

3. ANY FACTS, RIGHTS, INTERESTS, OR CLAIMS THAT ARE NOT SHOWN BY THE PUBLIC RECORDS BUT THAT COULD BE ASCERTAINED BY AN INSPECTION OF THE LAND OR THAT MAY BE ASSERTED BY PERSONS IN POSSESSION OF THE LAND. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

4. EASEMENTS, LIENS OR ENCUMBRANCES, OR CLAIMS THEREOF, NOT SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

5. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND AND NOT SHOWN BY THE PUBLIC RECORDS, INCLUDING:
A. UNPATENTED MINING CLAIMS;
B. RESERVATIONS OR EXCEPTIONS IN PATENTS OR IN ACTS AUTHORIZING THE ISSUANCE THEREOF;
C. WATER RIGHT, CLAIMS OR TITLE TO WATER,
WHETHER OR NOT THE MATTERS EXCEPTED UNDER (A), (B) OR (C) ARE SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

6. ANY LIEN OR RIGHT TO LIEN FOR SERVICES, LABOR OR MATERIAL NOT SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

7. TAXES FOR THE CURRENT FISCAL YEAR AND SUBSEQUENT YEARS, A LIEN NOT YET DUE AND PAYABLE. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

8. RIGHTS OF FEE SIMPLE OWNERS IN AND TO THE SUBJECT PROPERTY. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

9. EASEMENT FOR RIGHT OF WAY BETWEEN JAMES C. BURGER, A SINGLE MAN; AND QUINT C. THOMPSON, DATED NOVEMBER 25, 1916 AND RECORDED NOVEMBER 25, 1916 IN (BOOK) 54 (PAGE) 363, IN LAKE COUNTY, CALIFORNIA. (DOES NOT AFFECT PARENT PARCEL)

10. RIGHT OF WAY EASEMENT BETWEEN GENE F. BURGER AND LOIS BURGER, HUSBAND AND WIFE; AND PACIFIC GAS AND ELECTRIC COMPANY, A CALIFORNIA CORPORATION, DATED MARCH 19, 1970 AND RECORDED MAY 29, 1970 IN (BOOK) 630 (PAGE) 620 (INSTRUMENT) 2414–10–0385, IN LAKE COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

11. PACIFIC GAS AND ELECTRIC COMPANY BETWEEN FRED BURGER AND BARBARA BURGER, HUSBAND AND WIFE; AND PACIFIC GAS AND ELECTRIC COMPANY, A CALIFORNIA CORPORATION, AND PACIFIC BELL, A CALIFORNIA CORPORATION, DATED APRIL 17, 1999 AND RECORDED OCTOBER 8, 1999 IN (INSTRUMENT) 99–018015, IN LAKE COUNTY, CALIFORNIA. (EASEMENT UNDEFINED – NOT PLOTTED)

12. ANY AND ALL MATTERS DISCLOSED ON THE MAP ENTITLED "RECORD OF SURVEY"DATED NOVEMBER 26, 2001 AND RECORDED NOVEMBER 26, 2001 IN (BOOK) 71 (PAGE) 09, IN LAKE COUNTY, CALIFORNIA. (NOTHING TO PLOT)

13. CERTIFICATE OF COMPLIANCE DATED NOVEMBER 30, 2001 AND RECORDED NOVEMBER 30, 2001 IN (INSTRUMENT) 01–024495, IN LAKE COUNTY, CALIFORNIA. (DOES NOT AFFECT PARENT PARCEL)

14. TOGETHER WITH EASEMENTS AND RIGHTS RESERVED IN GRANT DEED TO MICHAEL D. SVEHLA AND NANCY SVEHLA, HUSBAND AND WIFE IN A DEED DATED OCTOBER 24, 2002 RECORDED OCT 30, 2002 AS INSTRUMENT NO. 02–024627 (AS SHOWN ON SURVEY)

SCHEDULE "B" NOTE

15. ROAD MAINTENANCE AGREEMENT BETWEEN CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND JAMES M. CARPENTER, A MARRIED MAN AS HIS SOLE AND SEPARATE PROPERTY AND MICHAEL AND NANCY SVEHLA, HUSBAND AND WIFE, DATED OCTOBER 28, 2002 AND RECORDED OCTOBER 30, 2002 IN (INSTRUMENT) 02–024628, IN LAKE COUNTY, CALIFORNIA.
AFFECTED BY A(N) ADDENDUM #1 TO ROAD MAINTENANCE AGREEMENT BETWEEN JAMES M. CARPENTER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, AND CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND MICHAEL B. GARGUILO AND MELISSA M. GARGUILO, TRUSTEES OF THE MICHAEL & MELISSA GARGUILO FAMILY TRUST DATED 11/13/03, DATED MARCH 1, 2005 AND RECORDED MARCH 2, 2005 IN (INSTRUMENT) 2005005582, IN LAKE COUNTY, CALIFORNIA.
AFFECTED BY A(N) ADDENDUM #2 TO ROAD MAINTENANCE AGREEMENT BETWEEN JAMES M. CARPENTER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, AND CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND SAMUEL V. CONNELL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, DATED DECEMBER 20, 2005 AND RECORDED JANUARY 20, 2006 IN INSTRUMENT) 2006001601, IN LAKE COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

16. LOT LINE ADJUSTMENT DATED DECEMBER 7, 2004 AND RECORDED DECEMBER 7, 2004 IN (INSTRUMENT) 2004033783, IN LAKE COUNTY, CALIFORNIA. (NOTHING TO PLOT)

17. EASEMENTS AS DESCRIBED IN GRANT DEED TO SAMUEL V. CONNELL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, IN A DEED DATED DECEMBER 20, 2005 AND RECORDED JANUARY 20, 2006 AS INSTRUMENT NO. 2006001602 (AS SHOWN ON SURVEY)

18. EASEMENT GRANT DEED BETWEEN JAMES M. CARPENTER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, AND CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND CHAD H. LYON AND SHELLY C. LYON, TRUSTEES OF THE CHAD H. LYON AND SHELY C. LYON REVOCABLE TRUST OF 2009, AND RAYMOND COX AND JOAN COX, HUSBAND AND WIFE AS JOINT TENANTS AND MICHAEL D. SVEHLA AND NANCY SVEHLA, HUSBAND AND WIFE AND NICOLE L. KALIS, AN UNMARRIED WOMAN AND SAMUEL V. CONNEL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, DATED OCTOBER 5, 2011 AND RECORDED OCTOBER 14, 2011 IN (INSTRUMENT) 2011014833, IN LAKE COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

19. EASEMENT GRANT DEED BETWEEN JAMES M. CARPENTER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, AND CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND SAMUEL V. CONNELL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, DATED NOVEMBER 15, 2013 AND RECORDED DECEMBER 10, 2013 IN (INSTRUMENT) 2013018340, IN LAKE COUNTY, CALIFORNIA.
AFFECTED BY A(N) CORRECTION EASEMENT GRANT DEED BETWEEN JAMES M. CARPENTER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, AND CARPENTER ORCHARD, INC., A CALIFORNIA CORPORATION AND SAMUEL V. CONNELL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, DATED NOVEMBER 15, 2013 AND RECORDED APRIL 22, 2014 IN (INSTRUMENT) 2014004789, IN LAKE COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

20. TOGETHER WITH EASEMENTS AND RIGHTS RESERVED IN GRANT DEED TO DAVID RAY CONATSER AND SABRINA LEE CONASTER, HUSBAND AND WIFE, AS JOINT TENANTS, IN A DEED DATED JUNE16, 2007 AND RECORDED JUNE 21, 2017 AS INSTRUMENT NO. 2017–8135 (AS SHOWN ON SURVEY)

LESSOR'S LEGAL DESCRIPTION

REAL PROPERTY IN THE UNINCORPORATED AREA OF THE COUNTY OF LAKE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL ONE:
THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN,
EXCEPTING THEREFROM ALL THAT PORTION THEREOF DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT IN THE SOUTHERLY BOUNDARY LINE OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN, WHICH POINT IS DETERMINED BY RUNNING NORTH 00°11'07" WEST, 2657.80 FEET AND THENCE SOUTH 89°19'40" WEST, 300.00 FEET FROM THE 1 1/4 INCH IRON MONUMENT MARKING THE SOUTHEAST CORNER OF SAID SECTION 11 AND RUNNING THENCE FROM THE POINT OF BEGINNING AS SO DETERMINED SOUTH 89°19'40" WEST, ALONG THE SOUTHERLY BOUNDARY LINE OF THE NORTHEAST QUARTER OF SAID SECTION 11, A DISTANCE OF 300.00 FEET; THENCE NORTH 00°00'04" WEST, 300.00 FEET; THENCE NORTH 89°19'40" EAST, 300.00 FEET; THENCE SOUTH 00°00'04" EAST, 300.00 FEET, MORE OR LESS, TO THE POINT OF BEGINNING; BEING A PORTION OF THE NORTHEAST QUARTER OF SAID SECTION 11.
ALSO EXCEPTING THEREFROM ALL THAT PORTION DESCRIBED IN THE DEED FROM GENE F. BURGER AND LOIS BURGER, HUSBAND AND WIFE, TO THE STATE OF CALIFORNIA DATED AUGUST 13, 1968, RECORDED OCTOBER 24, 1968, IN BOOK 569 OF OFFICIAL RECORDS OF LAKE COUNTY AT PAGE 522.
ALSO EXCEPTING THEREFROM ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF LAKE, STATE OF CALIFORNIA AS DESCRIBED IN THE CERTIFICATE OF COMPLIANCE FILED NOVEMBER 30, 2001, AS DOCUMENT NUMBER 01–024495, LAKE COUNTY RECORDS.
ALSO EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PARCEL OF LAND COMMENCING AT THE SOUTHWEST CORNER OF THE SAID NORTHEAST QUARTER OF SECTION 11 AS SHOWN ON A MAP FILED IN BOOK 71 OF RECORD OF SURVEYS, PAGE 09, LAKE COUNTY RECORDS; THENCE NORTH 89°55'00" EAST ALONG THE SOUTH LINE OF THE SAID NORTHEAST QUARTER OF SECTION 11, 162.93 FEET TO THE POINT OF BEGINNING; THENCE LEAVING THE SAID SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 11, NORTH 01°22'41" EAST, 321.87 FEET; THENCE NORTH 85°51'48" EAST, 401.17 FEET; THENCE SOUTH 04°48'35" EAST, 351.32 FEET TO THE SAID SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 11; THENCE SOUTH 89°55'00" WEST ALONG THE SAID SOUTH LINE OF THE NORTHEAST QUARTER, 437.33 FEET TO THE POINT OF BEGINNING.

PARCEL TWO:
BEGINNING AT THE CENTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN, AND RUNNING THENCE WEST, ALONG THE HALF SECTION LINE RUNNING EAST AND WEST THROUGH THE CENTER OF SAID SECTION 11, 10.60 CHAINS TO THE CENTER OF SCOTTS CREEK; THENCE ALONG THE CENTER OF SAID CREEK NORTH 12°49' WEST, 10.77 CHAINS, MORE OR LESS, TO THE SOUTHWEST CORNER OF THAT CERTAIN TRACT HERETOFORE CONVEYED BY G. F. BURGER, ET UX, TO LELAND L. BURGER, BY DEED DATED OCTOBER 16, 1919, OF RECORD IN BOOK 57 OF DEEDS AT PAGE 367, LAKE COUNTY RECORDS THENCE EAST, ALONG THE SOUTH LINE OF SAID TRACT SO CONVEYED TO LELAND L. BURGER, AND ALONG THE SOUTH LINE OF THAT CERTAIN TRACT HERETOFORE CONVEYED BY JAMES C. BURGER, A SINGLE MAN, TO QUINT C. THOMPSON, BY DEED DATED NOVEMBER 25, 1916, OF RECORD IN BOOK 54 OF DEEDS AT PAGE 363, LAKE COUNTY RECORDS, 13.75 CHAINS TO THE LINE RUNNING NORTH AND SOUTH THROUGH THE CENTER OF SAID SECTION 11, THENCE SOUTH, 10.46 CHAINS TO THE POINT OF BEGINNING.
EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PARCEL OF LAND:
BEGINNING AT THE SOUTHWEST CORNER OF THAT CERTAIN TRACT OF LAND CONVEYED BY JAMES C. BURGER, A SINGLE MAN, TO QUINT C. THOMPSON, BY DEED DATED NOVEMBER 25, 1916, OF RECORD IN BOOK 54 OF DEEDS AT PAGE 363, LAKE COUNTY RECORDS; THENCE EASTERLY ALONG THE SOUTH LINE OF THE ABOVE REFERRED TO DEED, 60.00 FEET; THENCE LEAVING THE SAID SOUTH LINE OF THE ABOVE REFERRED TO DEED SOUTH 27°48'28" EAST, 427.41 FEET, MORE OR LESS, TO AN EXISTING FENCE; THENCE WESTERLY ALONG THE SAID EXISTING FENCE, 700 FEET , MORE OR LESS, TO THE CENTER OF SCOTT CREEK; THENCE NORTHWESTERLY, DOWNSTREAM, ALONG THE SAID CENTER OF SCOTT CREEK, 380 FEET, MORE OR LESS, TO THE SOUTHWEST CORNER OF PARCEL OF LAND DESCRIBED IN DOCUMENT NO. 02–024627, LAKE COUNTY RECORDS.THENCE LEAVING THE SAID CENTER OF SCOTT CREEK, EASTERLY ALONG THE SOUTH LINE OF THE LAST ABOVE REFERRED TO DEED, 39 RODS, MORE OR LESS, TO THE POINT OF BEGINNING.
PURSUANT TO THAT CERTAIN "LOT LINE ADJUSTMENT"RECORDED DECEMBER 7, 2004 AS INSTRUMENT NO. 2004033783 OF OFFICIAL RECORDS OF LAKE COUNTY.
TOGETHER WITH EASEMENTS AND RIGHTS RESERVED IN GRANT DEED TO SAMUEL V. CONNELL, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY, IN A DEED DATED DECEMBER 20, 2005 AND RECORDED JANUARY 20, 2006 AS INSTRUMENT NO. 2006001602
TOGETHER WITH EASEMENTS AND RIGHTS RESERVED IN GRANT DEED TO DAVID RAY CONATSER AND SABRINA LEE CONATSER, HUSBAND AND WIFE, AS JOINT TENANTS, IN A DEED DATED JUNE16, 2007 AND RECORDED JUNE 21, 2017 AS INSTRUMENT NO. 2017–8135

PARCEL ID: 005–015–410–000

BEING THE SAME PROPERTY CONVEYED TO JAMES M. CARPENTER, A MARRIED MAN, DEALING WITH HIS SEPARATE PROPERTY AND CARPENTER ORCHARD, INC IN A DEED FROM GENE FRED BURGER AND BARBARA BURGER, HUSBAND AND WIFE DATED SEPTEMBER 30, 1998 AND RECORDED OCTOBER 1, 1998 AS INSTRUMENT NO. 98–017168.

LEASE AREA LEGAL DESCRIPTION

A PORTION OF THAT CERTAIN PARCEL OF LAND AS DESCRIBED IN GRANT DEED RECORDED IN DOCUMENT NO. 2004033786, OFFICIAL RECORDS OF LAKE COUNTY, CALIFORNIA, BEING LOCATED IN THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A BRASS CAP STAMPED LS 2581 AT THE NORTHWEST CORNER OF 456 O.R. 306 AS SHOWN ON RECORD OF SURVEY RECORDED BOOK 71, PAGE 09 OFFICIAL RECORDS OF SAID COUNTY, FROM WHICH A BRASS CAP STAMPED LS 2581 AT THE NORTHEAST CORNER OF SAID LOT BEARS NORTH 89°55'50" EAST, 300.00 FEET; THENCE FROM SAID POINT OF COMMENCEMENT NORTH 64°01'27" WEST, 77.23 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 89°41'14" WEST, 35.00 FEET; THENCE NORTH 00°18'46" EAST, 35.00 FEET; THENCE SOUTH 89°41'14" EAST, 35.00 FEET; THENCE SOUTH 00°18'46" WEST, 35.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 1225 SQUARE FEET (0.028 ACRES) OF LAND, MORE OR LESS.

ACCESS AND UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THAT CERTAIN PARCEL OF LAND AS DESCRIBED IN GRANT DEED RECORDED IN DOCUMENT NO. 2004033786, OFFICIAL RECORDS OF LAKE COUNTY, CALIFORNIA, BEING LOCATED IN THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A BRASS CAP STAMPED LS 2581 AT THE NORTHWEST CORNER OF 456 O.R. 306 AS SHOWN ON RECORD OF SURVEY RECORDED BOOK 71, PAGE 09 OFFICIAL RECORDS OF SAID COUNTY, FROM WHICH A BRASS CAP STAMPED LS 2581 AT THE NORTHEAST CORNER OF SAID LOT BEARS NORTH 89°55'50" EAST, 300.00 FEET; THENCE FROM SAID POINT OF COMMENCEMENT NORTH 64°01'27" WEST, 77.23 FEET; THENCE NORTH 00°18'46" EAST, 16.26 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00°18'46" EAST, 16.00 FEET TO THE BEGINNING OF A NON–TANGENT CURVE WITH A RADIUS OF 3.00 FEET, CONCAVE NORTHEAST, THE CENTER OF WHICH BEARS NORTH 00°13'20" EAST; THENCE ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 89°35'48", A DISTANCE OF 4.69 FEET; THENCE NORTH THENCE NORTH 90°00'00" EAST, 20.00 FEET; THENCE SOUTH 00°00'00" EAST, 15.00 FEET; THENCE SOUTH 89°52'43" EAST, 260.17 FEET; THENCE SOUTH 71°22'06" EAST, 61.33 FEET TO A POINT ON THE EASTERLY BOUNDARY OF SAID PARCEL; THENCE SOUTH 00°35'46" WEST, ALONG SAID EAST LINE, 21.03 FEET; THENCE DEPARTING SAID EAST LINE NORTH 71°22'06" WEST, 67.84 FEET; THENCE NORTH 89°53'16" WEST, 253.78 FEET; THENCE SOUTH 00°00'00" WEST, 15.00 FEET; THENCE NORTH 90°00'00" WEST, 20.00 FEET; THENCE NORTH 00°00'02" WEST, 28.03 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT WITH A RADIUS OF 3.00 FEET; THENCE ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 91°52'54", A DISTANCE OF 4.81 FEET RETURNING TO THE POINT OF BEGINNING.

50' UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THAT CERTAIN PARCEL OF LAND AS DESCRIBED IN GRANT DEED RECORDED IN DOCUMENT NO. 2004033786, OFFICIAL RECORDS OF LAKE COUNTY, CALIFORNIA, BEING LOCATED IN THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 14 NORTH, RANGE 10 WEST, MOUNT DIABLO MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A BRASS CAP STAMPED LS 2581 AT THE NORTHWEST CORNER OF 456 O.R. 306 AS SHOWN ON RECORD OF SURVEY RECORDED BOOK 71, PAGE 09 OFFICIAL RECORDS OF SAID COUNTY, FROM WHICH A BRASS CAP STAMPED LS 2581 AT THE NORTHEAST CORNER OF SAID LOT BEARS NORTH 89°55'50" EAST, 300.00 FEET; THENCE FROM SAID POINT OF BEGINNING SOUTH 00°36'06" WEST, 299.94 FEET; THENCE SOUTH 89°55'47" WEST, 50.00 FEET; THENCE NORTH 00°36'06" EAST, 394.94 FEET; THENCE NORTH 89°55'50" EAST, 529.10 FEET; THENCE SOUTH 00°31'16" EAST, 50.00 FEET; THENCE SOUTH 89°55'50" WEST, 480.08 FEET TO THE POINT OF BEGINNING.

at&t

PROJECT INFORMATION:

CCL06249
HILL ROAD AND PARKWAY INTERSECTION
3275 HILL ROAD
LAKEPORT, CA 95453

LAKE COUNTY

ORIGINAL ISSUE DATE:

10/06/2022

REV.:	DATE:	DESCRIPTION:	BY:
A	10/06/22	PRELIMINARY	CK
0	1/05/23	LEGALS (C)	CK
1	05/15/2023	NEW DESIGN (C)	SB
2	12/15/2023	NEW DESIGN (C)	PD

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
(919) 661-6351

CONSULTANT:

428 MAIN STREET
SUITE 206
HUNTINGTON BEACH, CA 92648
PH. (480) 659-4072
www.ambitconsulting.us
ambit consulting

DRAWN BY:	CHK.:	APV.:
CK	NS (P)	PD

LICENSER:

LICENSED LAND SURVEYOR
PATRICK B. DONOHOE
No. 9332
STATE OF CALIFORNIA
12/15/2023

SHEET TITLE:

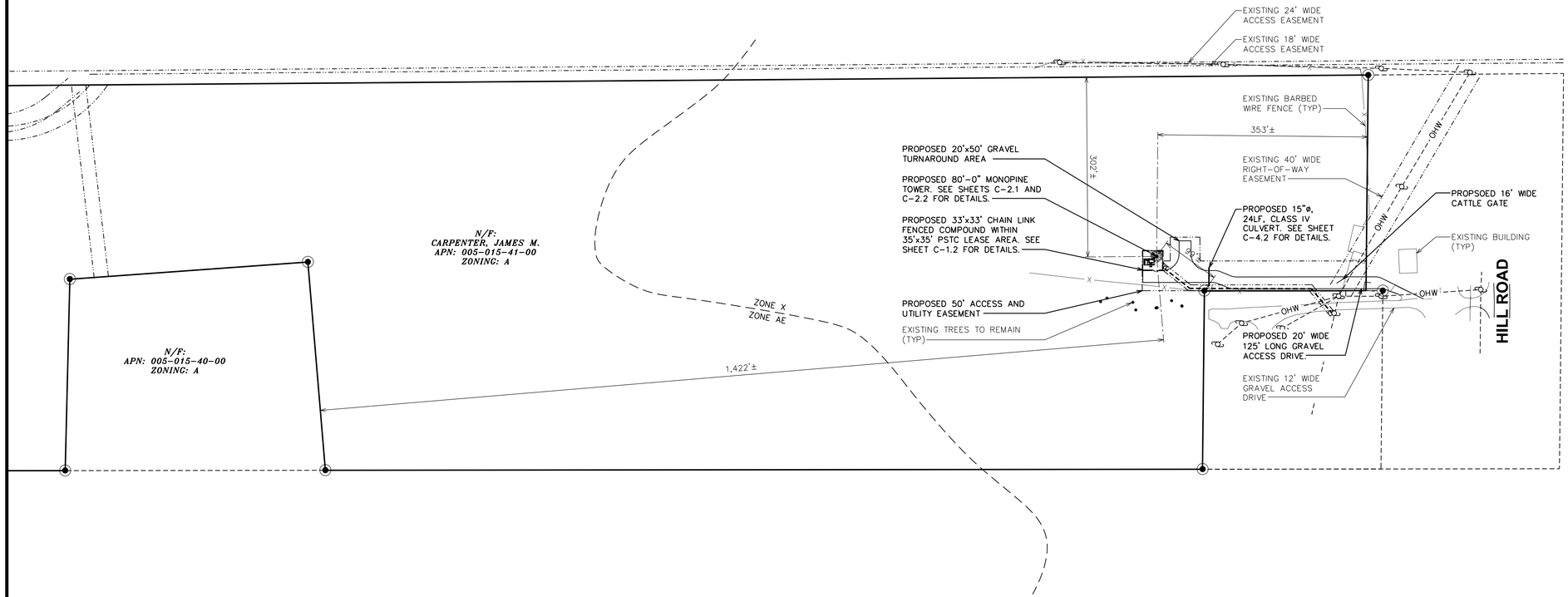
NOTES

SHEET NUMBER:

LS–3

NOTES:

1. ANTENNAS NOT SHOWN FOR CLARITY.
2. FIBER AND POWER ROUTES SHOWN ARE PRELIMINARY AND TO BE VERIFIED BY COORDINATION WITH THE UTILITY COMPANY PRIOR TO CONSTRUCTION.
3. ACCESS WILL BE PROVIDED IN COMPLIANCE WITH PRC 4290.
4. ADDRESS POSTING REQUIRED FOR BOTH CELL TOWER LEASE SITE AND PRIMARY PROPERTY (RESIDENCE). POSTED REFLECTIVE ADDRESS SIGN(S) OF CONTRASTING COLORS, RETRO-REFLECTIVE OF REQUIRED SIZE; PERPENDICULAR TO THE ROAD, VISIBLE FROM BOTH DIRECTIONS AT THE ROADWAY FOR EACH ADDRESS ACCESSED FROM DRIVEWAY. ADDITIONAL POSTED REFLECTIVE ADDRESS SIGN(S) OF CONTRASTING COLORS, RETRO-REFLECTIVE OF REQUIRED SIZE; PERPENDICULAR TO THE DRIVEWAY POSTED AT EACH ADDRESSED PROPERTY AND/OR STRUCTURE FROM THE DRIVEWAY.



1 **EXISTING OVERALL SITE PLAN**

SCALE: 1" = 100' (24x36)
SCALE: 1" = 200' (11x17)

0 100 200
SCALE IN FEET

PUBLICSAFETYTOWERS COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

FIRSTNET/AT&T SITE ID: CCL06249

PSTC #: CANC-NLAKE01 HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD LAKEPORT, CA 95453 (LAKE COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
F	03-24-23	SSO	ZONING	HMM
G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:

SITE PLAN

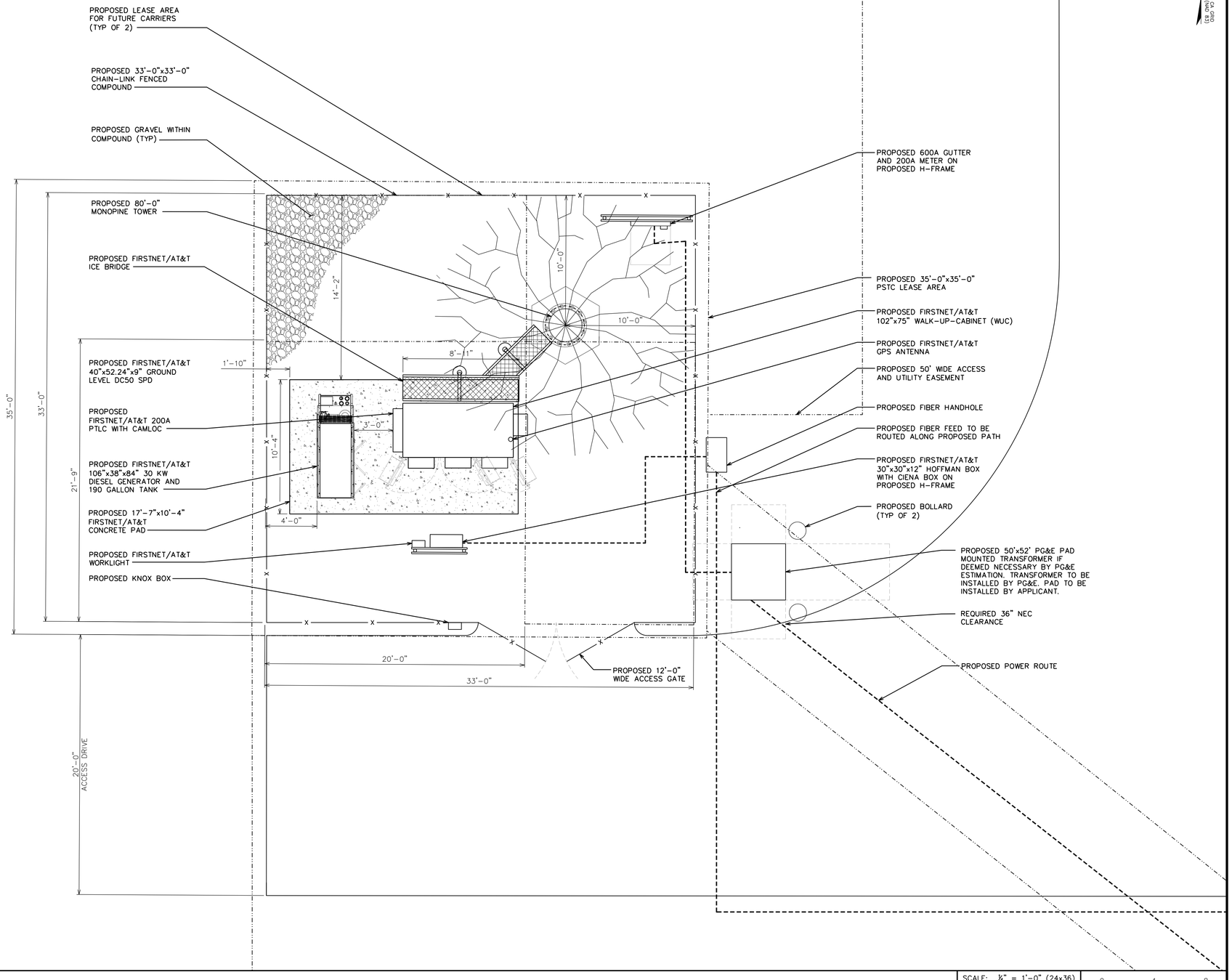
SHEET NUMBER: C-1.1

REVISION: J

TEP #: 314197.336183

NOTES:

1. CONTRACTOR TO VERIFY ALL EXISTING INFORMATION IS AS INDICATED ON SITE PLAN. CONTRACTOR IS TO ESTABLISH THE EXISTENCE AND LOCATION OF ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES.
2. CONTRACTOR TO ENSURE THAT ALL FIRSTNET/AT&T EQUIPMENT IS INSTALLED INSIDE FIRSTNET/AT&T'S LEASE AREA, INCLUDING BUT NOT LIMITED TO, EQUIPMENT CABINETS, UTILITY CABINETS, H-FRAMES, ETC.
3. ANTENNAS NOT SHOWN FOR CLARITY.
4. ACCESS WILL BE PROVIDED IN COMPLIANCE WITH PRC 4290.



1 **FINAL COMPOUND DETAIL**

SCALE: ¼" = 1'-0" (24x36)
SCALE: ⅛" = 1'-0" (11x17)

0 4 8
SCALE IN FEET

PUBLICSAFETYTOWERS COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

FIRSTNET/AT&T SITE ID: CCL06249

PSTC #: CANC-NLAKE01 HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD LAKEPORT, CA 95453 (LAKE COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
F	03-24-23	SSO	ZONING	HMM
G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:

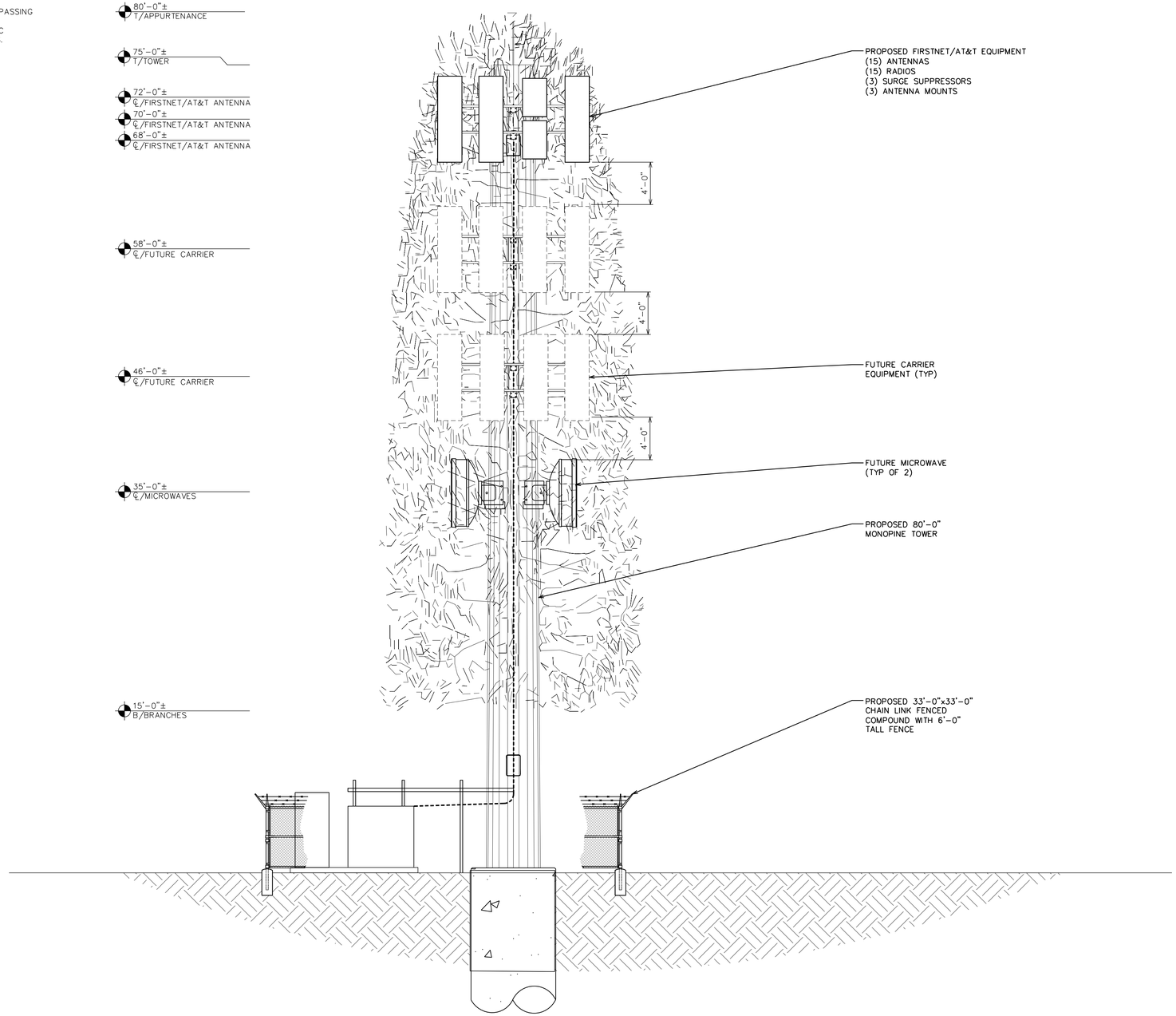
COMPOUND LAYOUT

SHEET NUMBER:	REVISION:
C-1.2	J

TEP #: 314197.336183

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.



1 **PROPOSED SOUTH ELEVATION**

SCALE: 3/16" = 1'-0" (24x36)
SCALE: 3/32" = 1'-0" (11x17)

0 4 8
SCALE IN FEET

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SAN RAMON, CA 94583

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4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

FIRSTNET/AT&T SITE ID: CCL06249

PSTC #: CANC-NLAKE01
HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD
LAKEPORT, CA 95453
(LAKE COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
F	03-24-23	SSO	ZONING	HMM
G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:

FINAL ELEVATION

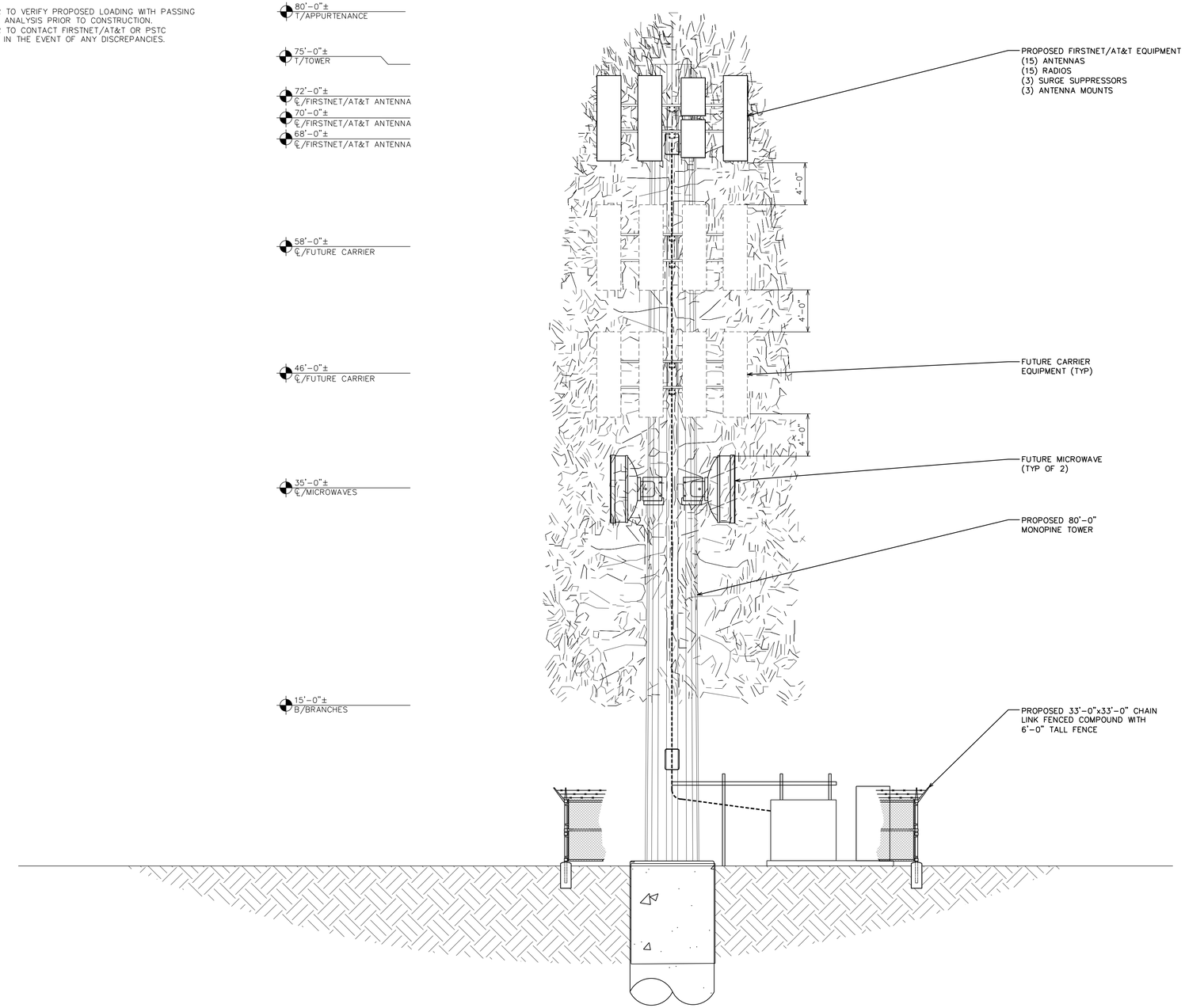
SHEET NUMBER: C-2.1

REVISION: J

TEP #: 314197.336183

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.



1 **PROPOSED NORTH ELEVATION**

SCALE: 3/16" = 1'-0" (24x36)
SCALE: 3/32" = 1'-0" (11x17)

0 4 8
SCALE IN FEET

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(LAKE COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

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H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

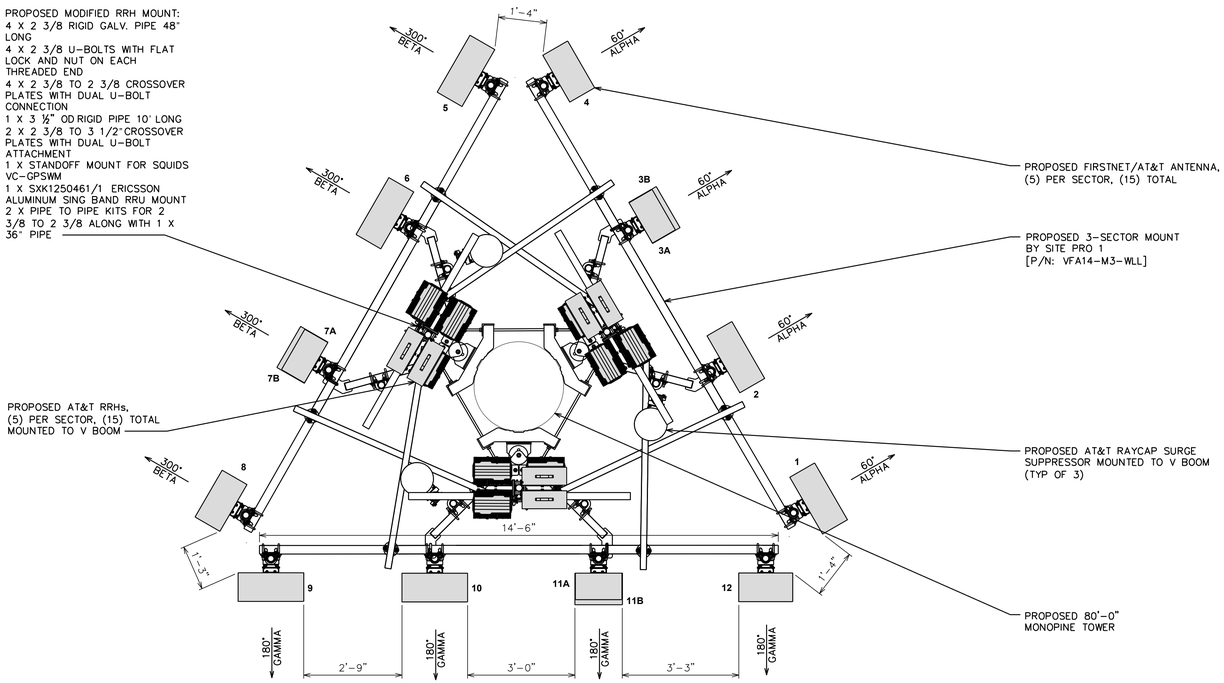
SHEET TITLE:
FINAL ELEVATION

SHEET NUMBER: C-2.2
REVISION: J

TEP #: 314197.336183

NOTE:

TEP DID NOT ANALYZE THE PROPOSED MOUNT SHOWN.



1 FINAL ANTENNA LAYOUT

SCALE: ½" = 1'-0" (24x36)
SCALE: ¼" = 1'-0" (11x17)

0 2 4
SCALE IN FEET

FINAL ANTENNA/FEEDLINE SCHEDULE

SECTOR	POS.	MANUFACTURER (MODEL #)	MOUNTING HEIGHT	AZIMUTH (TN)	CABLE SIZE	CABLE LENGTH	OVP/RRH/TMA/DIPLEXER [MODEL #]
ALPHA	1	QUINTEL (QD868-3D)	℄ @ 70'-0"±	60°	(9) DC POWER TRUNKS (3) FIBER TRUNKS	121'±	(1) RADIO 4478 B12A (1) RADIO 4890 B25/B66 (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) RADIO 4415 B30 (1) DC9-48-60-24-8C-EV
ALPHA	2	QUINTEL (QD868-3D)	℄ @ 70'-0"±	60°			
ALPHA	3A	ERICSSON (AIR6419 B77G)	℄ @ 72'-0"±	60°			
ALPHA	3B	ERICSSON (AIR6449 B77M)	℄ @ 68'-0"±	60°			
ALPHA	4	QUINTEL (QD868-3D)	℄ @ 70'-0"±	60°			
BETA	5	QUINTEL (QD868-3D)	℄ @ 70'-0"±	300°			(1) RADIO 4478 B12A (1) RADIO 4890 B25/B66 (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) RADIO 4415 B30 (1) DC9-48-60-24-8C-EV
BETA	6	QUINTEL (QD868-3D)	℄ @ 70'-0"±	300°			
BETA	7A	ERICSSON (AIR6419 B77G)	℄ @ 72'-0"±	300°			
BETA	7B	ERICSSON (AIR6449 B77M)	℄ @ 68'-0"±	300°			
BETA	8	QUINTEL (QD868-3D)	℄ @ 70'-0"±	300°			
GAMMA	9	QUINTEL (QD868-3D)	℄ @ 70'-0"±	180°			(1) RADIO 4478 B12A (1) RADIO 4890 B25/B66 (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) RADIO 4415 B30 (1) DC9-48-60-24-8C-EV
GAMMA	10	QUINTEL (QD868-3D)	℄ @ 70'-0"±	180°			
GAMMA	11A	ERICSSON (AIR6419 B77G)	℄ @ 72'-0"±	180°			
GAMMA	11B	ERICSSON (AIR6449 B77M)	℄ @ 68'-0"±	180°			
GAMMA	12	QUINTEL (QD868-3D)	℄ @ 70'-0"±	180°			

2 FINAL ANTENNA SCHEDULE

SCALE: N.T.S.

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J	02-19-24	SJA	ZONING	HMM

SEAL:

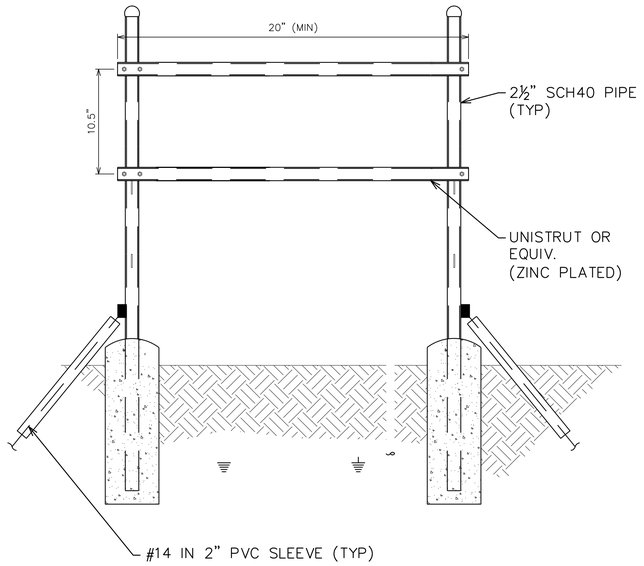
ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:
ANTENNA LAYOUT & SCHEDULE

SHEET NUMBER: C-3

REVISION: J

TEP #: 314197.336183



1 H-FRAME DETAIL

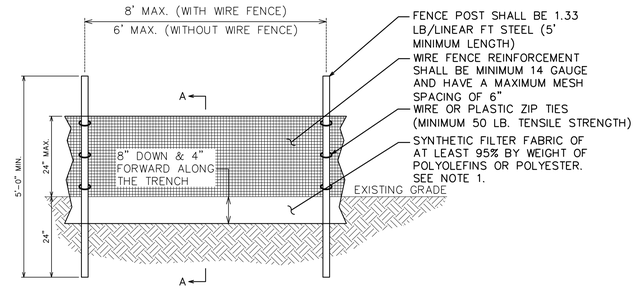
SCALE: N.T.S.

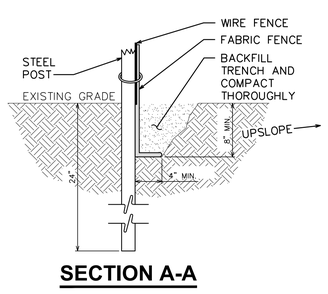
2 NOT USED

SCALE: N.T.S.

NOTES:

1. FILTER FABRIC SHALL CONFORM TO THE REQUIREMENTS LISTED IN ASTM D 6461.
2. ENDS OF INDIVIDUAL FILTER FABRIC SHALL BE SECURELY FASTENED AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
3. PLACE 12 INCHES OF FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
4. INSPECT SEDIMENT FENCE(S) AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL.
5. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE.
6. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE AND PROPERLY STABILIZE THE SITE.

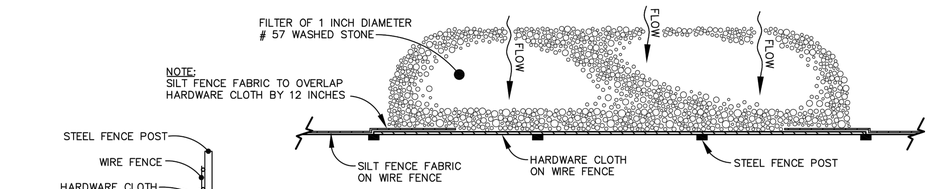




SECTION A-A

3 SILT FENCE DETAILS

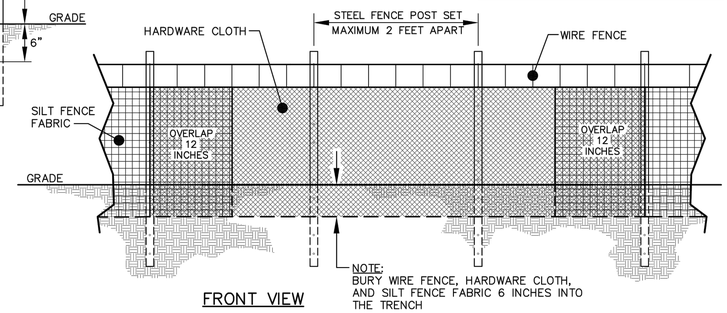
SCALE: N.T.S.



PLAN VIEW

SIDE VIEW

NOTE:
USE SILT FENCE OUTLETS ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND THERE IS A LOW AREA. USE AS A REPAIR OF SILT FENCE FAILURES.



FRONT VIEW

4 STANDARD SILT FENCE OUTLET DETAIL

SCALE: N.T.S.

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SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:

CONSTRUCTION DETAILS

SHEET NUMBER: C-4.1

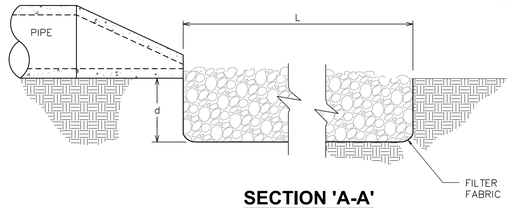
REVISION: J

TEP #: 314197.336183

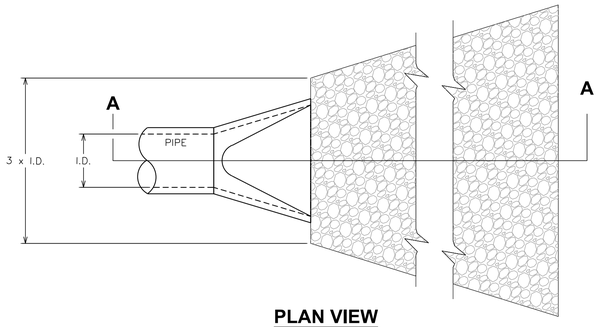
NOTES:

1. L = THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

DISSIPATOR PAD SIZING					
RIP-RAP APRON NO.	CULVERT DIAMETER (IN)	WIDTH (FT)	LENGTH (FT)	DEPTH (IN)	D_{50} (IN)
1	15	4	5	18	6



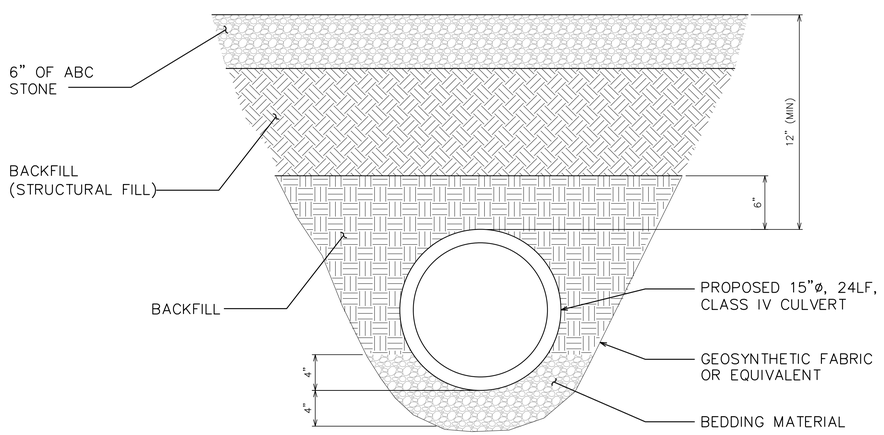
SECTION 'A-A'



PLAN VIEW

1 DISSAPATOR PAD DETAILS

SCALE: N.T.S.



2 CULVERT DETAIL

SCALE: N.T.S.

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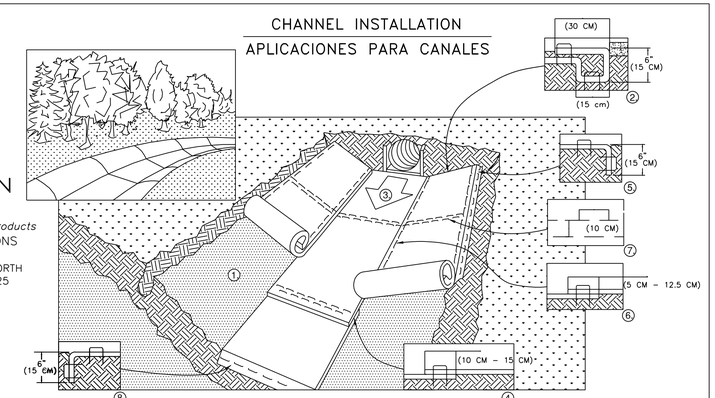
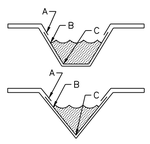
CHANNEL INSTALLATION
APLICACIONES PARA CANALES



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMAPCT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) ACROSS THE WIDTH OF THE RECP's.
3. ROLL CENTER RECP's IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. PLACE CONSECUTIVE RECP's END OVER END (SHINGLE STYLE) WITH A 4" – 6" (10 CM –15 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER TO SECURE RECP's.
5. FULL LENGTH EDGE OF RECP's AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT RECP's MUST BE OVERLAPPED APPROXIMATELY 2" – 5" (5 CM –12.5 CM) (DEPENDING ON RECP's TYPE) AND STAPLED.
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M – 12 M) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE RECP's MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

NOTE:
* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.



CRITICAL POINTS

A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.

PUNTOS CRITICOS

A. TRASLAPES Y JUNTAS
B. LINEAS DE AGUA PROYECTADA
C. FONDO DEL CANAL/VERTICES DE LAS PENDIENTES LATERALES

NOTA:
* LA SEPARACION HORIZONTAL DE LAS GRAPAS SE DEBE ALTERAR SI SE NECESITA, PARA PERMITIR QUE LAS GRAPAS ASEGUREN LOS PUNTOS CRITICOS A LO LARGO DE LA SUPERFICIE DEL CANAL.

** EN CONDICIONES DE SUELO SUELTO, PUEDE QUE SE NECESITEN GRAPAS O ESTACAS DE MAS DE 6" (15 CM) DE LARGO PARA ASEGURAR LAS MANTAS CORRECTAMENTE.

1. PREPARE EL SUELO DE COLOCAR LAS MANTAS, INCLUYENDO LA APLICASION DE CAL, FERTILIZANTE SEMILLA. NOTA: CUANDO ESTE USANDO CELL-O-SEED NO SIEMBRE EL AREA PREPARADA. CELL-O-SEED TIENE QUE INSTALARSE CON EL LADO DE PAPEL HACIA ABAJO.
2. COMIENCE EN LA CABECERA DEL CANAL SUJETANDO LA MANTA EN UNA ZANJA DE 6" (15 CM) DE PROFUNDIDAD POR 6" (15 CM). DE ANCHO CON APROXIMADAMENTE 12" (30 CM) DE LA MANTA EXTENDIDA MAS ALLA DE LA PENDIENTE ALTA DE LA ZANJA. SUJETE RELLENE Y COMPACTE LA ZANJA DESPUES DEL ENGRAPE. RIEGUE LA SEMILLA EN EL SUELO COMPACTADO Y DOBLE LAS 12" (30 CM) REMANENTES DE MANTA SOBRE LA SEMILLA Y EL SUELO COMPACTADO. ASEGURE LA MANTA SOBRE EL SUELO CON UNA LINEADE GRAPAS O ESTACAS APROXIMADAMENTE 12" (30 CM) UNA DE LA OTRA A TRAVES DEL ANCHO DE LA MANTA.
3. DESENROLLE LA MANTA DEL MEDIO EN EL FONDO DEL CANAL Y EN LA DIRECCION DEL FLUJO DE AGUA CON EL LADO APROPIADO HACIA LA SUPERFICIE DEL SUELO. TODAS LAS MANTAS DEBERAN ASEGURARSE A LA SUPERFICIE DEL SUELO POR MEDIO DE GRAPAS O ESTACAS EN LUGARESAPROPIADOS TAL Y COMO SE INDICA EN EL PATRON GUIA DE ENGRAPADO. CUANDO ESTE USANDO EL DOT SYSTEM™. LAS GRAPAS O ESTACAS DEBEN COLOCARSE A TRAVES DE CADA UNO DE LOS PUNTOS CON COLOR CORRESPONDIENTES AL PATRON DE ENGRAPADO APROPIADO.
4. COLOQUE LAS MANTAS CONSECUTIVAS BORDE SOBRE BORDE (TIPO ESCALONADO) CON UN TRASLAPE DE 4" – 6" (10 CM – 15 CM). USE UNA LINEA DOBLE DE GRAPAS ESCALONADAS, SEPARADAS POR 4" (10 CM) Y CADA 4" (10 CM) SOBRE EL CENTRO PARA ASEGURAR LAS MANTAS.
5. EN EL TOPE DE LAS DOS PENDIENTES LATERALES DEL CANAL, SE DEBE SUJETAR TODO EL LARGO DE LA ORILLA DE LAS MANTAS CON UNA LINEA DE GRAPAS O ESTACAS APROXIMADAMENTE CADA 12" (30 CM) UNA DE LA OTRA EN UNA ZANJA DE 6" (15 CM) DE PROFUNDIDAD POR 6" (15 CM) DE ANCHO. RELLENE Y COMPACTE LA ZANJA DESPUES DEL ENGRAPE.
6. LAS MANTAS ADYACENTES DEBEN TRASLAPARSE APROXIMADAMENTE DE 2" – 5" (5 CM– 12.5 CM) (DEPENDIENDO DEL TIPO DE. MANTA) Y ENGRAPPARSE.
7. EN APLICACIONES PARA CANALES DE FLUJO ALTO, SE RECOMIENDA DEJAR UNA RANURA PARA EL CHEQUEO DE LAS GRAPAS A INTERVALOS DE 30 A 40 PIES (9 M – 12 M). USE UNA LINEA DOBLE DE PRAPAS ESCALONADAS, SEPARADAS POR 4" (10 CM) Y CADA 4" (10 CM) SOBRE EL CENTRO A TRAVES DE TODO EL ANCHO DEL CANAL.
8. LOS BORDES FINALES DE LAS MANTAS DEBEN SUJETARSE CON UNA LINEA DE GRAPAS O ESTACAS APROXIMADAMENTE CADA 12" 30 CM) UNA DE LA OTRA EN UNA ZANJA DE 6" (15 CM) DE PROFUNDIDAD POR 6" (15 CM) DE ANCHO. RELLENE Y COMPACTE DESPUES DEL ENGRAPADO.

NOTA:
* EN CONDICIONES DE SUELTO, PUEDE QUE SE NECESITEN GRAPAS O ESTACAS DE MAS DE 6" (15 CM) DE LARGO PARA ASEGURAR LAS MANTAS CORRECTAMENTE.

REV. 01/05

3 EROSION CONTROL MATTING DETAIL

SCALE: N.T.S.

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J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:

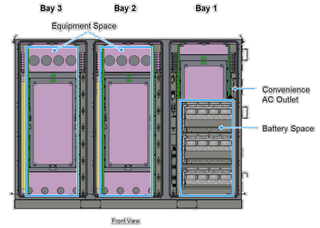
CONSTRUCTION DETAILS

SHEET NUMBER: C-4.2

REVISION: J

TEP #: 314197.336183

2.2 System Configuration



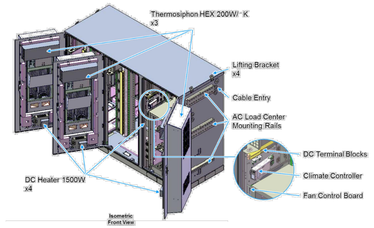


Figure 2-2 Multi-Bay Cabinet (Front View)

2.3 Cabinet Specifications

The cabinet is arranged for installation of a Delta or third-party AC Load Center and front access DC Power System. Table 2-1 below contains the input power specifications.

Table 2-1 Cabinet Specifications

Item	Specification/Function
AC Input Range	
AC Input Voltage	1W+N+FG 100~120V_{AC}
AC Input Current (maximum)	12A (Max.)
AC Input Frequency	50/60Hz
DC Input Range	
DC Input Voltage	40 - 60V_{DC} (54V typical)
DC Input Current Rating	224A (max)
Battery Section	
Battery Trays	(3) Trays arranged for -48V battery strings, designed for: GNB Marathon M12V180FT Enersys SBS190F Enersys SBS170F
Climate Control	
Control & Supervisor Unit	Delta controller
Cooling	(3) 200W/°K Thermosiphon HEX Cooling Capacity 9.1kW Maintains equipment inlet <65°C with exterior ambient <46°C
Heating	(4) 1500W DC Heaters
Environmental	
Operating Temperature	-40°C to +46°C (-40°F to +115°F)
Storage Temperature	-40°C to +75°C (-40°F to +167°F)
Relative Humidity	0~95% Relative Humidity, Non-Condensing
Altitude	-100 feet to +10,000 feet
Acoustic noise	≤ 65dBA @ +40°C equipment inlet
Protection Class	IP55 (EN 60529) NEBS III (GR-487)

2.4 Dimensions and Weight

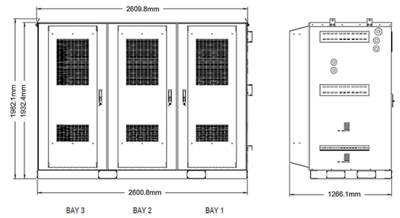


Figure 2-3 Cabinet Dimensions

Item	Specification/Function
Dimensions	2600.8W x 1932.4H x 1266.1D mm (102"W x 72"H x 49.5"D + 4" plinth)
Weight	2270* lbs. (* Batteries, Power System and Load Equipment excluded)

3.6 Cabinet Installation

Use the following steps to install the cabinet.

Step 1 Use the provided Template to mark anchor hole locations.

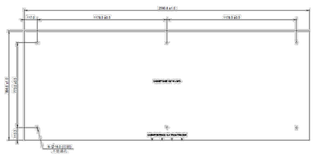


Figure 3-11 Mounting Template

Step 2 Drill anchor holes per specifications from the anchor manufacturer.

Step 3 Install anchors per instructions from the anchor manufacturer.

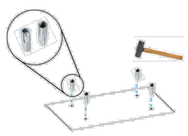


Figure 3-12 Insert anchors

Step 4 Place the pad separator (not provided) on the concrete pad aligned with the mounting holes. (A pad separator provides separation between the concrete pad and the base of the cabinet to prevent corrosion of the cabinet metal.)

Step 5 Mount the cabinet to the concrete pad with anchor bolts, lock washers and flat washers (not provided) per instructions from the anchor manufacturer.

Step 6 Close and secure hinged anchor access covers.

3.8 AC Load Center Installation

The cabinet provides mounting rails for AC Load Center mounting and corresponding cable entry ports for wiring from the AC Load Center into the cabinet. Follow Load Center requirements for installation.

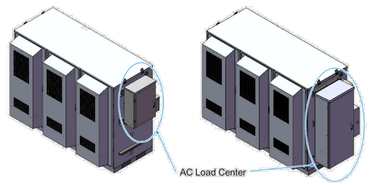


Figure 3-16 Cabinet with AC Load Center

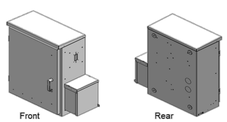


Figure 3-17 AC Load Center - MTS

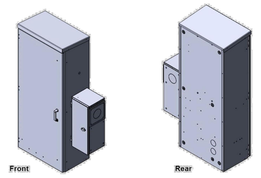


Figure 3-18 AC Load Center - ATS

Note! The cabinet provides mounting rails and AC cable entry ports arranged for mounting of Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. An AC Load Center and related fittings are not provided with the cabinet and must be provided as integration or site materials.

Use the following steps to install the Load Center on the cabinet:

Step 1 Provide suitable sealed fittings from the AC Load Center for entry into the Cabinet. Install on the Load Center before installing the Load Center onto the Cabinet. Delta recommends using Size 2" x 4" long outdoor rated pipe nipples and sealing conduit nuts (not provided)

Step 2 Provide Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. Secure the Load Center to mounting rails per Load Center vendor instructions.

Step 3 Secure and seal fittings from the AC Load Center into entry ports on the cabinet

Step 4 Confirm the Site Utility and Load Center Main AC input breakers are in the 'off' position

Step 5 Connect Site Utility 2W+N+G to the Load Center per Load Center vendor instructions, NEC, and local codes.

Note! Detailed AC Load Center position planning should include future equipment additions and changes

1 **3-BAY WALK-UP-CABINET (WUC) DETAIL**
SCALE: N.T.S.

PUBLICSAFETYTOWERS COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

FIRSTNET/AT&T SITE ID: CCL06249

PSTC #: CANC-NLAKE01
HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD
LAKEPORT, CA 95453
(LAKE COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
F	03-24-23	SSO	ZONING	HMM
G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:
WALK-UP-CABINET DETAILS

SHEET NUMBER: C-5
REVISION: J

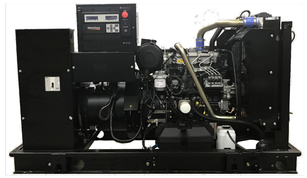
TEP #: 314197.336183

NOTES:

1. DETAILS SHOWN WERE PROVIDED BY OTHERS AND ARE NOT CARRIED UNDER SIGNATURE AND SEAL OF TOWER ENGINEERING PROFESSIONALS ENGINEERING SERVICES AND/OR ITS ENGINEERS
2. REFER TO MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR FURTHER DETAILS ON INSTALLATION OF EXTENSION KIT.
3. INSTALL EXHAUST VENT EXTENSION ASREQUIRED TO PROVIDE 12' CLEARANCE FROM GROUND LEVEL IN ACCORDANCE WITH CALIFORNIA STATE CODE.

Standby Power Rating
30 kW, 38 kVA, 60 Hz

Prime Power Rating*
27 kW, 34 kVA, 60 Hz



*EPA Certified Prime ratings are not available in the US or its Territories

Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM
- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

FUEL SYSTEM
- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

ELECTRICAL SYSTEM
- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

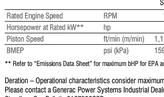
ALTERNATOR SYSTEM
- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

ENCLOSURE (If Selected)
- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)
- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

Program Functions
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display
- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

CONFIGURABLE OPTIONS

ENGINE SYSTEM
- Oil Heater
- Critical Silencer (Open Set Only)
- Radiator Stone Guard
- Level 1 Fan and Belt Guards (Enclosed Units Only)

FUEL SYSTEM
- NPT Flexible Fuel Line

ELECTRICAL SYSTEM
- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM
- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET
- Extended Factory Testing
- 8 Position Load Center
- Pad Vibration Isolation

CIRCUIT BREAKER OPTIONS
- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE
- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Enclosure Heater
- Damper Alarm Contacts

WARRANTY (Standby Gensets Only)
- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM
- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciation
- 120V GFCI and 240V Outlets
- Remote Communication - Modem
- 10A Engine Run Relay

FUEL TANKS (Size On Last Page)
- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension
- Overfill Protection Valve
- 5 Gallon Spill Box Return Hose
- 5 Gallon Spill Box
- Tank Risers
- Fuel Level Switch and Alarm
- 12' Vent System
- Fire Rated Stainless Steel Fuel Hose

ENGINEERED OPTIONS

ENGINE SYSTEM
- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM
- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM
- 3rd Breaker System

GENERATOR SET
- Special Testing

FUEL TANKS
- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks
- Vent Extensions

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Perkins
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - in³ (L)	135 (2.22)
Bore - in (mm)	3.3 (84)
Stroke - in (mm)	3.9 (100)
Compression Ratio	23.3:1
Intake Air Method	Turbocharged
Cylinder Head	Cast Iron
Piston Type	Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.5%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow
Crankcase Capacity - qt (L)	11.2 (10.6)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed - RPM	1,980
Fan Diameter - in (mm)	18 (457)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Inject Pump	Distribution Injection Pump
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.31 (7.9) ID
Fuel Return Line - in (mm)	0.2 (4.8) ID

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0035124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase Only)
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Synchronous Brushless
Bearings	Single Sealed
Coupling	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS

	Standby
Single-Phase 120/240 VAC @1.0pf	30 kW, Amps: 125
Three-Phase 120/208 VAC @0.8pf	30 kW, Amps: 104
Three-Phase 120/240 VAC @0.8pf	30 kW, Amps: 90
Three-Phase 277/480 VAC @0.8pf	30 kW, Amps: 45
Three-Phase 346/600 VAC @0.8pf	30 kW, Amps: 36

MOTOR STARTING CAPABILITIES (skVA)

skVA vs. Voltage Dip

120/240 VAC 1Ø	30%	277/480 VAC 3Ø	30%	208/240 VAC 3Ø	30%
A0035044N21	20	K0035124Y21	61	K0035124Y21	46
A0040044N21	24	K0040124Y21	76	K0040124Y21	58
A0050044N21	31	K0050124Y21	98	K0050124Y21	75

FUEL CONSUMPTION RATES*

Fuel Pump Lift- ft (m): 3 (1)

Total Fuel Pump Flow (Combustion + Return) - gph (Lph): 16.6 (63)

Diesel - gph (Lph)

Percent Load	Standby
25%	1.0 (3.7)
50%	1.4 (5.2)
75%	2.0 (7.5)
100%	2.8 (10.5)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Coolant Flow	gpm (Lpm)	14.9 (56.2)
Coolant System Capacity	gal (L)	2.5 (9.5)
Heat Rejection to Coolant	BTU/hr (kW)	128,638 (136)
Inlet Air	cfm (m³/hr)	2,800 (4,757)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)		See Bulletin No. 0199280SSD
Maximum Additional Radiator Backpressure	In H_2O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power - cfm (m³/min)	88 (2.5)

ENGINE

		Standby
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	49
Piston Speed	ft/min (m/min)	1,181 (360)
BMEP	psi (kPa)	159 (1,098)

EXHAUST

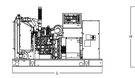
		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	296.6 (8.4)
Max. Allowable Backpressure (Post Turbocharger)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output)	°F (°C)	892 (478)

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.
Standby - See Bulletin 0187500SSB
Prime - See Bulletin 0187510SSB

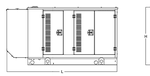
SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*



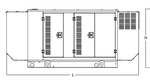
OPEN SET

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	76.0 (1,930) x 37.4 (950) x 44.8 (1,138)	1,456 - 1,641 (661 - 745)
19	54 (204)	76.0 (1,930) x 37.4 (950) x 57.8 (1,468)	1,936 - 2,121 (879 - 963)
47	132 (500)	76.0 (1,930) x 37.4 (950) x 69.8 (1,773)	2,166 - 2,351 (983 - 1,067)
67	190 (719)	76.0 (1,930) x 37.4 (950) x 79.3 (2,014)	2,380 - 2,565 (1,081 - 1,165)
75	211 (799)	76.0 (1,930) x 37.4 (950) x 81.8 (2,078)	2,375 - 2,560 (1,078 - 1,162)
107	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.3 (2,167)	2,438 - 2,623 (1,106 - 1,190)



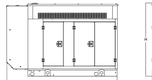
WEATHER PROTECTED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)		
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)	372 (169)	241 (109)
67	190 (719)	94.8 (2,409) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	76.0 (1,930) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	92.9 (2,360) x 38.0 (965) x 90.0 (2,287)		



LEVEL 1 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only Steel	Aluminum
No Tank	-	112.5 (2,857) x 38.0 (965) x 49.5 (1,258)		
19	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)	505 (229)	338 (153)
67	190 (719)	112.5 (2,857) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)		



LEVEL 2 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)		
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)	510 (231)	341 (155)
67	190 (719)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)		

PROPOSED 30 KW GENERATOR WITH 190 GALLON TANK AND LEVEL 2 ACOUSTIC ENCLOSURE

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53189
P: (262) 544-4811

Part No. 10000024842
Rev. C 10/19/2020

1 PROPOSED GENERATOR DETAILS
SCALE: N.T.S.

PUBLICSAFETYTOWERS COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

FIRSTNET/AT&T SITE ID: CCL06249

PSTC #: CANC-NLAKE01
HILL ROAD AND PARKWAY INTERSECTION

3275 HILL RD
LAKEPORT, CA 95453
(LAKE COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
F	03-24-23	SSO	ZONING	HMM
G	11-16-23	SSO	ZONING	HMM
H	11-21-23	CAM	ZONING	HMM
I	01-11-24	CAM	ZONING	HMM
J	02-19-24	SJA	ZONING	HMM

SEAL:

ZONING
DO NOT USE FOR CONSTRUCTION

SHEET TITLE:
GENERATOR DETAILS

SHEET NUMBER: C-6
REVISION: J

TEP #: 314197.336183

connect@alpinepowersystems.com
877-993-8855

ALPINE POWER SYSTEMS
A Division of TPI, Inc. est. 1953

Click to view product web page

PowerSafe® SBS Front Terminal

Telecommunications *NEBS™ Certified*

Battery Range Summary

The PowerSafe® SBS® Front Terminal battery further extends the technical leadership of PowerSafe SBS battery product line: not only do PowerSafe SBS Front Terminal monoblocs retain the benefits typically associated with Thin Plate Pure Lead (TPPL) Technology such as long life, high energy density, superior shelf life, etc., they also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge (TPPL) technology makes PowerSafe 12V batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe SBS batteries are designed to high quality standards and a unique manufacturing methods means superior energy and power, high performance and proven reliability, there is no substitute to PowerSafe SBS Front Terminal batteries.

Features and Benefits

- Capacity range 31-190Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR4228 compliant
- Proven long service life
- High energy density and cycling capability

EnerSys® Power/Full Solutions | RESERVE POWER

Publication No: US-SBSF-RS-004 - January 2014

Construction

- Robust positive plates are designed to prolong service life and enhance corrosion resistance
- Separators are low resistance microporous (AGM). The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Terminals are stainless steel front access with top access copper alloy insert. Top and front access terminations provide maximum conductivity
- Self-regulating one way pressure relief valves prevents ingress of atmospheric OXYGEN

Installation and Operation

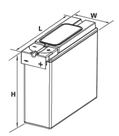
- Space efficient footprint
- VRLA design, reduces maintenance requirements
- Lifting handles for easy handling
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- Increased active material surface area yields great cycling capability
- Operating temperature: -40°F (-40°C) to 122°F (50°C) Recommended temperature: 68°F (20°C) to 86°F (30°C)

Standards

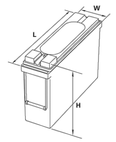
- Meets criteria for "non-spillable" batteries
- Complies with Telcordia® SR-4228, Network Equipment Building System (NEBS™) Criteria Levels
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

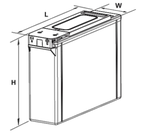
Cell Type	Nominal Capacity (Ah) 10 hr rate to 1.80Vpc @20°C	Nominal Capacity (Ah) 8 hr rate to 1.75Vpc @77°F	Nominal Dimensions Length in	Length mm	Width in	Width mm	Height in	Height mm	Weight - Volumes Unpacked lbs	Unpacked kg
SBS B8F	31	31	11.9	303	3.8	97	6.3	159	22.7	10.3
SBS B10F	38	38	11.9	303	3.8	97	7.2	184	28.2	12.8
SBS B14F	62	62	11.9	303	3.8	97	10.4	264	42.0	19.1
SBS C11F	92	91	16.4	417	4.1	105	10.1	256	61.6	28.0
SBS 100F	100	100	15.6	395	4.3	108	11.3	287	71.9	32.6
SBS 112F	112	112	22.1	561	4.9	125	9.0	228	90.4	41.1
SBS 145F	145	145	17.9	455	6.8	173	9.4	238	105.0	47.7
SBS 165F	165	165	17.9	455	6.8	173	10.8	273	117.4	53.3
SBS 170F	170	170	22.1	561	4.9	125	11.1	283	115.7	52.5
SBS 190F	190	190	22.1	561	4.9	125	12.4	316	132.3	60.0



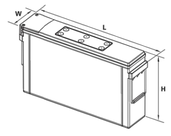
SBS B8F-B14F



SBS C11F



SBS 100F-112F



SBS 145F - 190F

MANUFACTURER:	ALPINE POWER SYSTEMS
MODEL:	POWERSAFE SBS 190F
BATTERY QTY.:	8 UNITS
TOTAL BATTERY KWH:	18.24
TOTAL BATTERY WEIGHT (KG/LBS):	480 / 1058.4
TOTAL ELECTROLYTE VOLUME (GAL):	18.72
TOTAL ELECTROLYTE WEIGHT (KG/LBS):	129.5 / 285.4

1 **PROPOSED BATTERY DETAILS**
SCALE: N.T.S.

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SEAL:

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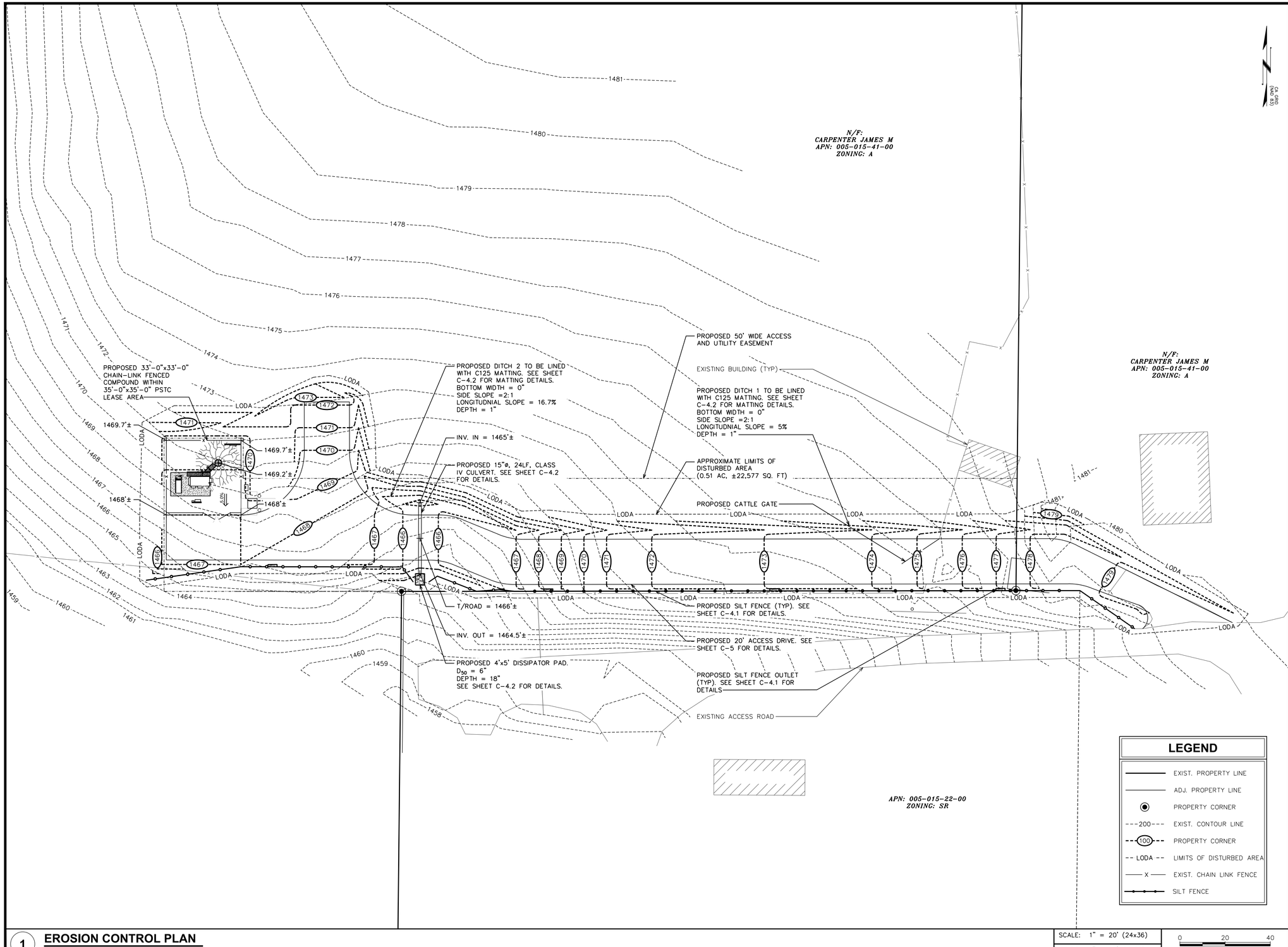
SHEET TITLE:
BATTERY DETAILS

SHEET NUMBER: C-7
REVISION: J

TEP #: 314197.336183



1 **EROSION CONTROL PLAN**

SCALE: 1" = 20' (24x36)
SCALE: 1" = 40' (11x17)

0 20 40
SCALE IN FEET

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SHEET TITLE:
EROSION CONTROL PLAN

SHEET NUMBER: C-8
REVISION: J

TEP #: 314197.336183

AC POWER PANEL A (PROPOSED)

120/240 VOLTS, 1-PHASE, 3-WIRE, 200A

MAIN BREAKER RATING (A) : 200 — SYSTEM VOLTAGE (V) : 240

DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
RECTIFIERS #1 & 2	1410	c	30/2	1	2820		2	30/2	c	1410	RECTIFIERS #3 & 4
	1410	c		3		2820	4		c	1410	
RECTIFIERS #5 & 6	1410	c	30/2	5	2820		6	30/2	c	1410	RECTIFIERS #7 & 8
	1410	c		7		2820	8		c	1410	
RECTIFIERS #9 & 10	1410	c	30/2	9	2820		10	30/2	c	1410	RECTIFIERS #11 & 12
	1410	c		11		2820	12		c	1410	
SPARE / OFF	0	nc	30/2	13	0		14	30/2	nc	0	SPARE / OFF
	0	nc		15		0	16		nc	0	
SPARE / OFF	0	nc	30/2	17	0		18	30/2	nc	0	SPARE / OFF
	0	nc		19		0	20		nc	0	
SPARE / OFF	0	nc	30/2	21	0		22	30/2	nc	0	SPARE / OFF
	0	nc		23		0	24		nc	0	
BLANK				25	1000		26	20/1	nc	1000	*GEN BLOCK HEATER
BLANK				27		650	28	20/1	nc	650	*GEN BATT CHARGER
PTLC RECEPTACLES	720	nc	20/1	29	900		30	20/1	nc	180	WUC GFCI
PHASE TOTALS (VA):					10360	9110					
PHASE TOTALS (A):					86	76					
CURRENT PER PHASE W/ 125% Continuous Loads(A):					104	94	Amperes/phase cannot exceed main breaker rating				
PANEL TOTAL (VA):					19470		Legend: c = continuous, nc = non-continuous				
PANEL TOTAL W/ 125% Continuous Loads (VA):					23700						
TOTAL LOAD FOR GEN OPERATION:					17820		*Generator loads are not in operation while generator is running				

PROPOSED LOADING = 23.7 KVA

1 **AC PANEL SCHEDULE**
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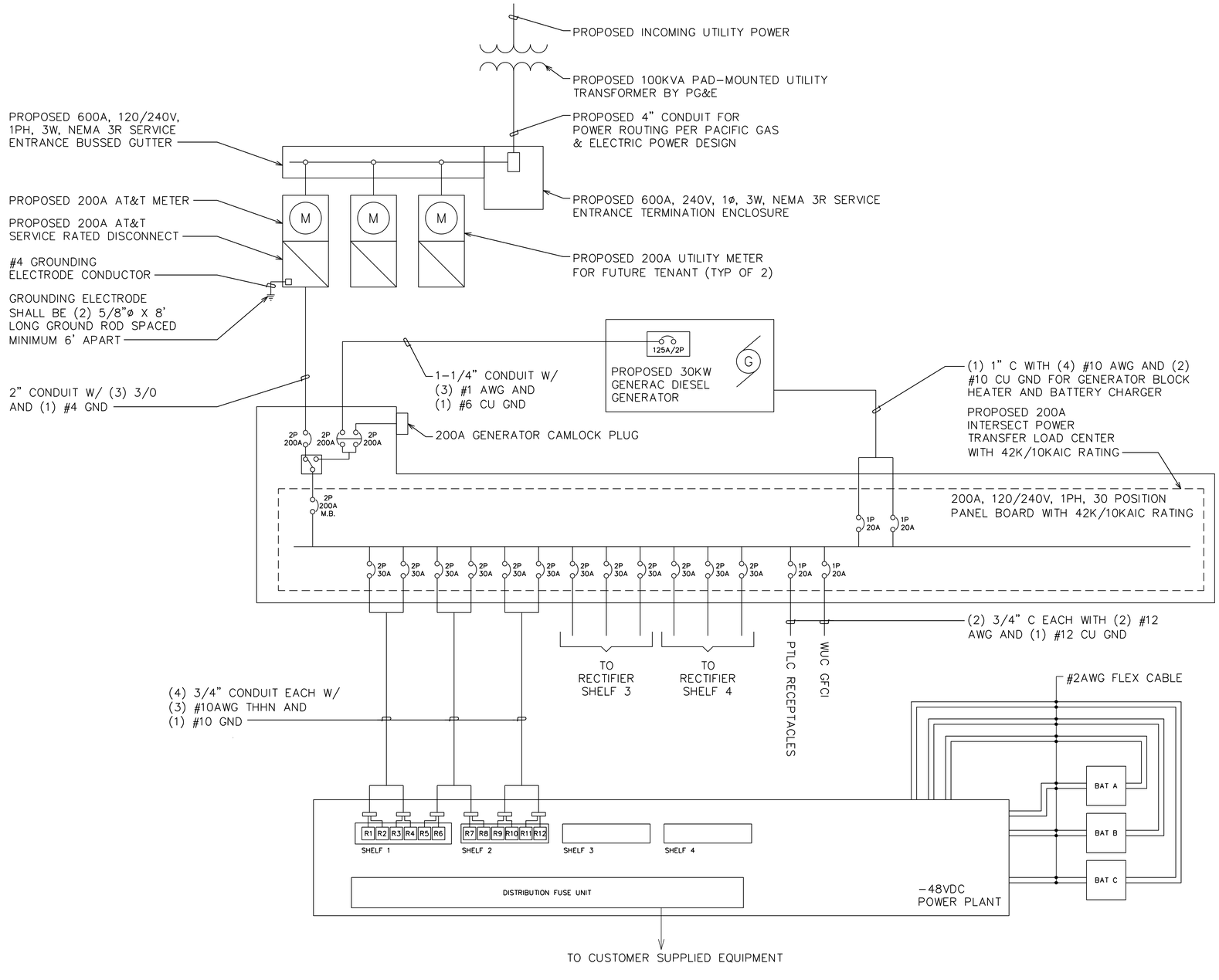
SHEET TITLE:
AC PANEL SCHEDULE

SHEET NUMBER: E-1
REVISION: J

TEP #: 314197.336183

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT.
2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS.
3. ONE-LINE DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY AND IS NOT INDICATIVE OF THE ACTUAL EQUIPMENT LAYOUT.
4. CONTRACTOR SHALL LABEL METER SOCKET WITH SERVICE OWNER NAMEPLATE WITH ½" HEIGHT MINIMUM LETTERS.
5. CONTRACTOR TO DETERMINE AVAILABLE FAULT CURRENT BEFORE ENERGIZING EQUIPMENT. THE AMOUNT OF AVAILABLE FAULT CURRENT SHALL BE MARKED ON THE SERVICE EQUIPMENT PER NEC 110.24.
6. CONTRACTOR WILL NOTIFY UTILITY COMPANY OF CHANGES IN ELECTRICAL LOAD.



1 **ONE-LINE DIAGRAM**
SCALE: N.T.S.

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SHEET TITLE:
ONE-LINE DIAGRAM

SHEET NUMBER:	REVISION:
E-2	J

TEP #: 314197.336183