

AMENDMENT NO. 2 TO THE SITE LEASE WITH OPTION (RESO 11-119)

This Amendment No. 2 to the Site Lease with Option (the "Second Amendment") is effective as of the date of execution by the last party to sign (the "Effective Date"), by and between County of Nevada, a political subdivision of the State of California ("Landlord"), and T-Mobile West LLC, a Delaware limited liability company ("Tenant")(each a "Party", or collectively, the "Parties").

Recitals

The parties hereto recite, declare and agree as follows:

A. Landlord and Tenant (or as applicable, their respective predecessors in interest) entered into a Site Lease with Option dated March 22, 2011, as amended by that certain Amendment No.1 dated February 11, 2020 (the "First Amendment") (collectively, the "Lease"), with respect to Premises located at 980 Helling Way, Nevada City, CA 95959 (Nevada County Assessor's Parcel Number 005-020-018) (the "Property").

B. Landlord and Tenant desire to enter into this Second Amendment in order to modify and amend certain provisions of the Lease.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant covenant and agree as follows:

1. Landlord hereby grants Tenant the right and consents to Tenant's expansion of the Premises and the installation of a power generator as described and depicted in on Exhibit "B-1", which is attached hereto and by this reference incorporated herein, which equipment shall be considered part of the "Permitted Use" and the "Antenna Facilities" under the Lease.

2. The Parties acknowledge and agree that pursuant to the First Amendment, at the commencement of the First Renewal Term (March 21, 2021), Tenant shall pay Landlord Two Thousand Two Hundred and No/100 Dollars (\$2,200.00) per month ("Rent"). And, pursuant to this Second Amendment, the Rent that Tenant pays Landlord will be increased by Four Hundred and No/100 Dollars (\$400.00) per month as of the first day of the month following the completion of construction for the modification of the additional equipment. Thereafter, Rent shall be payable in accordance with the terms of the Lease.

3. Paragraph 10(a) of the Lease is hereby deleted in its entirety and replaced with the following:

"Tenant shall procure and maintain for the duration of the Lease insurance against claims for injuries to persons or damage to property which may arise from or in connection with Tenant's operations and use for the leased premises. The cost of such insurance shall be borne by the Tenant. Commercial general liability (CGL) coverage shall be at least as broad as Insurance Services Office Form CG 00 01 covering on an "occurrence" basis including products and completed operations, property damage, bodily injury and personal and advertising injury with limits no less than \$1,000,000 per occurrence and \$2,000,000 general aggregate. The Landlord, its officers, officials, and employees are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed or on behalf of the Tenant including materials, parts, or equipment furnished in connection with the such work or operations. General liability coverage can be provided in the form of an endorsement to the Tenant's insurance (at least as broad as ISO Form CG 20 10). For any claims related to this Tenant, the Tenant's insurance coverage shall be primary insurance, with respect to the negligent acts and willful

T-Mobile Site No: SC56222A
T-Mobile Site Name: SR222 Nevada City
Market: Sacramento

misconduct of Tenant, at least as broad as ISO CG 20 01 04 13 as respects the Landlord, its officers, officials, and employees. Any insurance or self-insurance maintained by the Landlord, its officers, officials, employees, or volunteers shall be excess of the Tenant’s insurance and shall not contribute with it, with respect to the negligent acts and willful misconduct of Tenant. Tenant hereby grants to Landlord a waiver of any right to subrogation which any insurer of said Tenant may acquire against the Landlord by virtue of payment of any loss under such insurance. Tenant agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the Landlord has received a waiver of subrogation endorsement from the insurer. Self-insured retentions must be declared to the Landlord; Tenant shall provide financial guarantee satisfactory to Landlord guaranteeing payment of losses and related investigations, claim administration, and defense expenses; or reduce or eliminate such self-insured retentions. Tenant shall furnish to Landlord original Certificates of Insurance including all required amendatory endorsements (or copies of the applicable policy language effecting coverage required by this clause). However, failure to obtain the required documents prior to the work beginning shall not waive the Tenant’s obligations to provide them.”

4. Except as expressly set forth in this Second Amendment, the Lease otherwise is unmodified. To the extent any provision contained in this Second Amendment conflicts with the terms of the Lease, the terms and provision of this Second Amendment shall control. Each reference in the Lease to itself shall be deemed also to refer to this Second Amendment.

5. This Second Amendment may be executed in duplicate counterparts, each of which will be deemed an original. Signed electronic copies of this Second Amendment will legally bind the Parties to the same extent as originals.

6. Each of the Parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this Second Amendment. Landlord represents and warrants to Tenant that the consent or approval of a third party has either been obtained or is not required with respect to the execution of this Second Amendment.

IN WITNESS WHEREOF, the parties have executed this Second Amendment on the day and year first written above.

Landlord:

Tenant:

County of Nevada, a political subdivision of the State of California

T-Mobile West LLC, a Delaware limited liability company

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

T-Mobile Site No: SC56222A
T-Mobile Site Name: SR222 Nevada City
Market: Sacramento



EXHIBIT B-1

Subject to the terms and conditions of this Second Amendment, the location of the Premises (together with access and utilities) is generally described and depicted as shown below or in the immediately following attachment(s):

However, it is expressly agreed and understood by and between the Landlord and Tenant that the exact and precise location of the Tenant's Antenna Facilities are subject to review and approval by the planning and/or zoning Boards having jurisdiction over the "Premises".

Notwithstanding anything to the contrary, the specific number and type of equipment described in the Exhibit is for illustrative purposes only and in no way limits Tenant's ability to alter, replace, add to, expand, enhance, modify, supplement, replace, refurbish, relocate or upgrade any such equipment within the Premises.

See attachment(s).

T-Mobile

WEST LLC

SR222 NEVADA CITY

SC56222A

GENERATOR PROJECT
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

NOTE:
IF, DURING CONSTRUCTION OR UTILITY PLACEMENT, ANY CULTURAL RESOURCES ARE ENCOUNTERED OR SUSPECTED, WORK SHALL BE HALTED IMMEDIATELY AND THE PLANNING DEPARTMENT CONTACTED. A PROFESSIONAL ARCHAEOLOGIST SHALL BE CONSULTED TO ACCESS ANY DISCOVERIES AND DEVELOP APPROPRIATE MANAGEMENT RECOMMENDATIONS FOR ARCHAEOLOGICAL RESOURCE TREATMENT. IF BONES ARE ENCOUNTERED AND APPEAR TO BE HUMAN, THE NEVADA COUNTY CORONER SHALL BE CONTACTED AND, IF NATIVE AMERICAN RESOURCES ARE INVOLVED, NATIVE AMERICAN ORGANIZATIONS AND INDIVIDUALS RECOGNIZED BY THE COUNTY SHALL BE NOTIFIED AND CONSULTED.

SITE DIRECTIONS

DEPART 1755 CREEKSIDE OAKS DR, SACRAMENTO, CA 95833. ON CREEKSIDE OAKS DR (EAST), TURN RIGHT (NORTH-EAST) ONTO MILLGREEK DR. TURN LEFT (NORTH) ONTO TRUXEL RD. TAKE RAMP (RIGHT) ONTO I-80. AT EXIT 119B, TURN RIGHT ONTO RAMP. TURN LEFT (NORTH) ONTO CA-49. ROAD NAME CHANGES TO CA-20 [CA-49]. TURN LEFT (WEST) ONTO CA-49 [YUBA-DONNER SCENIC BYWAY]. TURN RIGHT (NORTH) ONTO LOCAL ROAD(S), ARRIVE AT THE EXISTING SITE.

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF INSTALLING (1) 200 AMP GENERAC AUTOMATIC TRANSFER SWITCH, (1) GENERAC 25KW DIESEL GENERATOR ON (E) CONCRETE PAD AND ASSOCIATED EQUIPMENT LOCATED WITHIN AN EXISTING CHAIN LINK COMPOUND.
DEVELOPMENT AND CONSTRUCTION OF THIS PROJECT WILL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
THIS PROJECT DOES NOT INCLUDE WATER OR SEWER.
EXISTING PARKING IS NOT AFFECTED BY THIS PROJECT.

PROJECT CONTACTS

APPLICANT:
T-MOBILE WEST, LLC
1755 CREEKSIDE OAKS DRIVE
SUITE 190
SACRAMENTO, CA 95833

PROPERTY OWNER:
COUNTY OF NEVADA DEPT OF GEN SERVICES
12548 LOMA RICE DR
GRASS VALLEY, CA 95945

PROJECT MANAGER:
T-MOBILE WEST, LLC
1755 CREEKSIDE OAKS DRIVE
SUITE 190
SACRAMENTO, CA 95833
CONTACT: JIM MORAN
PHONE: (707) 450-5653

SITE ACQUISITION:
T-MOBILE WEST, LLC
1755 CREEKSIDE OAKS DRIVE
SUITE 190
SACRAMENTO, CA 95833
CONTACT: JEFF LIENERT
PHONE: (916) 505-3883

CONSULTING FIRM:
SINGLE SOURCE INC.
22972 S. 193 STREET
QUEEN CREEK, AZ 85142
CONTACT: JEREMY WATTERBERG
PHONE: (602) 910-6030

PROJECT DATA

ZONING: S
APN: 05-020-18
USE: -
PARENT PARCEL: - ACRES
EXISTING LEASE AREA: - SQ. FT

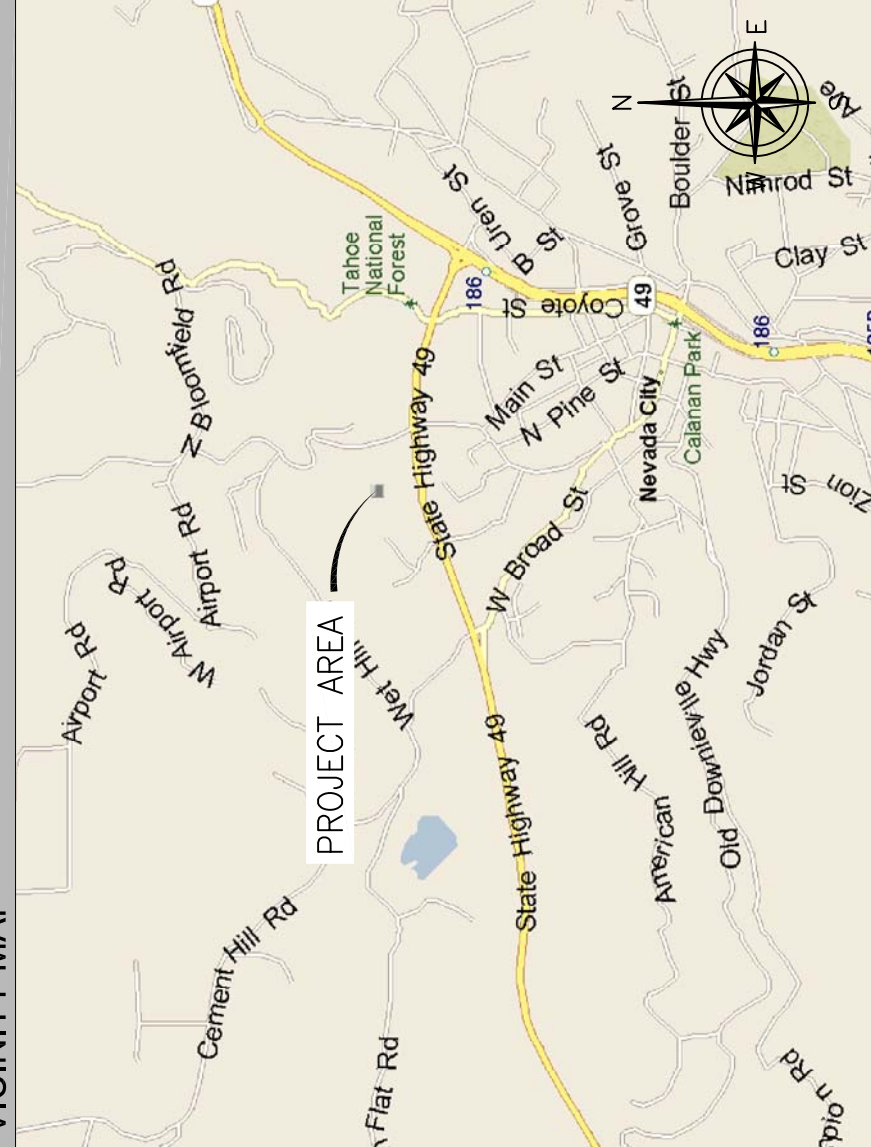
JURISDICTION: NEVADA CITY

BUILDING CODES:
2019 CALIFORNIA BUILDING CODE CHANGE SUMMARY (PART 2, VOLUMES 1 & 2)
2019 CALIFORNIA RESIDENTIAL CODE CHANGE SUMMARY (PART 2.5)
2019 CALIFORNIA ELECTRICAL CODE CHANGE SUMMARY (PART 4)
2019 CALIFORNIA MECHANICAL CODE CHANGE SUMMARY (PART 5)
2019 CALIFORNIA PLUMBING CODE CHANGE SUMMARY (PART 5)
2019 CALIFORNIA ENERGY CODE CHANGE SUMMARY (PART 6)

GENERAL NOTES

1. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE HEALTH AND SAFETY STANDARDS FOR ELECTROMAGNETIC FIELD EMISSIONS AS ESTABLISHED BY THE FEDERAL COMMUNICATIONS COMMISSION OR ANY SUCCESSOR THEREOF, AND ANY OTHER FEDERAL OR STATE AGENCY.
2. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE.
3. LIGHTING OR SIGNS WILL BE PROVIDED ONLY AS REQUIRED BY FEDERAL OR STATE AGENCIES.

VICINITY MAP



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POLE COORDINATES

LATITUDE: 39° 16' 12.2694" NORTH (NAD83)
LONGITUDE: -121° 01' 23.2104" WEST (NAD83)

APPROVALS

T-MOBILE (RF): _____ DATE: _____
T-MOBILE (CONST.): _____ DATE: _____
T-MOBILE (RE): _____ DATE: _____
LANDLORD: _____ DATE: _____

PREPARED FOR:

T-Mobile
WEST LLC

1755 CREEKSIDE OAKS DRIVE
SUITE 190
SACRAMENTO, CA 95833

CONSULTING FIRM

SINGLE SOURCE

22972 SOUTH 193 STREET,
QUEEN CREEK AZ 85142,
PHONE: 602-910-6030 FAX: 480-279-1271

PROJECT NO: 0000
DRAWN BY: CH
CHECKED BY: GH

REV	DATE	DESCRIPTION
0	12/14/20	ISSUE FOR SUBMITTAL
A	4/04/20	ISSUE FOR REVIEW



SR222 NEVADA CITY

SC56222A
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
PROJECT INFORMATION AND DATA

SHEET NUMBER
T-1

GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR – TBO
SUBCONTRACTOR (CONSTRUCTION)
OWNER – T-MOBILE
GEM – ORIGINAL EQUIPMENT MANUFACTURE
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND SPECIFICATIONS. ALL WORK SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- DELETED.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF ALL SCRAP MATERIALS SUCH AS CABLES, CABLES, AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ATTENIONS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3MFS-A002-00002. "GENERAL CONSTRUCTION SERVICES."
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF PROTECTIVE WEAR MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

CONCRETE AND REINFORCING STEEL NOTES:

- CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A164, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNDO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#5 AND LARGER 2 IN.
#5 AND SMALLER & WWF 1-1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SUB-AND WALL 3/4 IN.
COLUMNS 1-1/2 IN. BEAMS AND CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNDO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 305-118-00113 "SELECTION DESIGN, INSTALLATION, INSPECTION AND TESTING OF MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HELI (OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
- CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC 1905.6.2) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER:
(A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT.
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE GRADE SUPPLIED. GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.

GROUNDING NOTES:

- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LP, OR NFPA) LIGHTNING PROTECTION SYSTEM, AND ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GESS) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NECESSARY TO ACHIEVE TEST RESULTS. OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 25471-000-3MFS-E000-0011, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUNDING CONDUCTOR. ALL CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL COPPER WIRE. WIRE SHALL BE 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTI-OXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE MONOPOLE GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS. PLUMBING IS ALLOWED THROUGH WALLS AS LONG AS IT DOES NOT FORM A RING AROUND THE CONDUCTOR. METAL WORK SHALL BE GROUNDING AS PER LOCAL CODES. LOCAL CODES WHERE USE OF METAL CONDUIT IS UNDESIRABLE (E.G. NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL MONOPOLE GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222 FOR MONOPOLES BEING BUILT TO REV G OF THE STANDARD. THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE MONOPOLE AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RDS SHALL BE INCREASED FROM 10 FEET TO 10 FEET.

SITE WORK GENERAL NOTES:

- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO: A) FALL PROTECTION (B) CONFINED SPACE (C) ELECTRICAL SAFETY (D) TRENCHING & EXCAVATION.

- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OFF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE VERIZON WIRELESS SPECIFICATION FOR SITE SIGNAGE.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND MONOPOLE AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT. TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE MONOPOLE, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

ELECTRICAL INSTALLATION NOTES:

- WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELLORIDA.
- SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLEING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELLORIDA.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND; 1/2 INCH PLASTIC ELECTRICAL TAPE (ELECTRICAL TAPE) (SUCH AS BOMAG BRP 30/18) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 54E). ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL, AND COMPACTED AS STATED ABOVE.
- POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND; 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT IDS). CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- ALL THE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES "IE WRAPS".
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SINGLE CONDUCTOR 2 AWG SOLID THIN COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
- POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS & BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (EXT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
- RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PADMUT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING, SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

- EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE. REFINED NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.
- COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.
- AS AN ALTERNATIVE TO ITEM 2a, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT" LISTED BELOW TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.
AS AN ALTERNATIVE TO ITEMS 2a AND 2b, PRODFROLL THE SUBGRADE TO MINIMUM REQUIRED DENSITY OR GRAVE COMPACTOR OR CRUSHED WITH 100% UNIMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

COMPACTION EQUIPMENT:

HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

SYMBOLS

- SOLID GROUND BUS BAR
- SOLID NEUTRAL BUS BAR
- SUPPLEMENTAL GROUND BAR

- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- CHEMICAL GROUND ROD

- GROUND ROD
- DISCONNECT SWITCH
- METER
- CADWELD TYPE CONNECTION

- COMPRESSION TYPE CONNECTION
- GROUNDING WIRE

ABBREVIATIONS

- AGL ABOVE GRADE LEVEL
- BTS BASE TRANSCREIVER STATION
- (E) EXISTING
- NEW NEW
- MIN MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- RF RADIO FREQUENCY
- TYP TYPICAL
- REQ REQUIRED
- EGR EQUIPMENT GROUND RING
- AWG AMERICAN WIRE GAUGE
- CRGB MASTER GROUND BAR (MASTER GROUND BAR)
- EG EQUIPMENT GROUND
- BCW BARE COPPER WIRE
- SIAD SMART INTEGRATED ACCESS DEVICE
- GEN GENERATOR
- IOR INTERIOR GROUND RING (HALO)
- RBS RADIO BASE STATION

PREPARED FOR:

WEST LLC

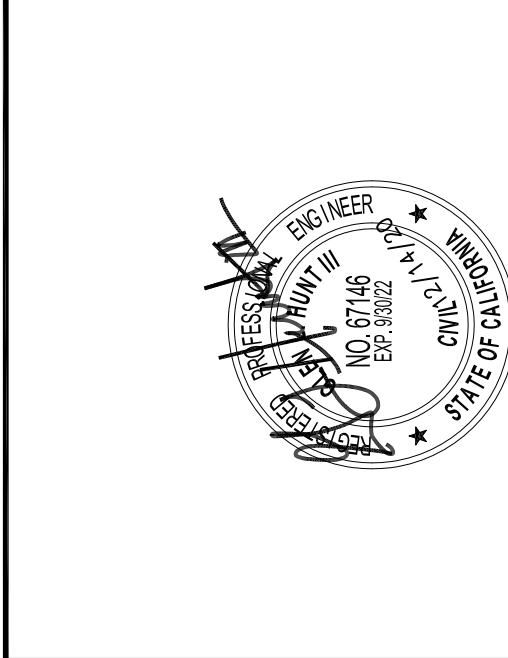
1755 CREEKSIDE OAKS DRIVE
SACRAMENTO, CA 95833

CONSULTING FIRM

22972 SOUTH 193 STREET,
QUEEN CREEK AZ 85142,
PHONE: 602-910-6030 FAX: 480-279-1271

PROJECT NO:	0000
DRAWN BY:	CH
CHECKED BY:	GH

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SR222 NEVADA CITY
SC562222A
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NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

SYMBOLS & ABBREVIATIONS

PREPARED FOR:



1755 CREEKSIDE OAKS DRIVE
SACRAMENTO, CA 95833

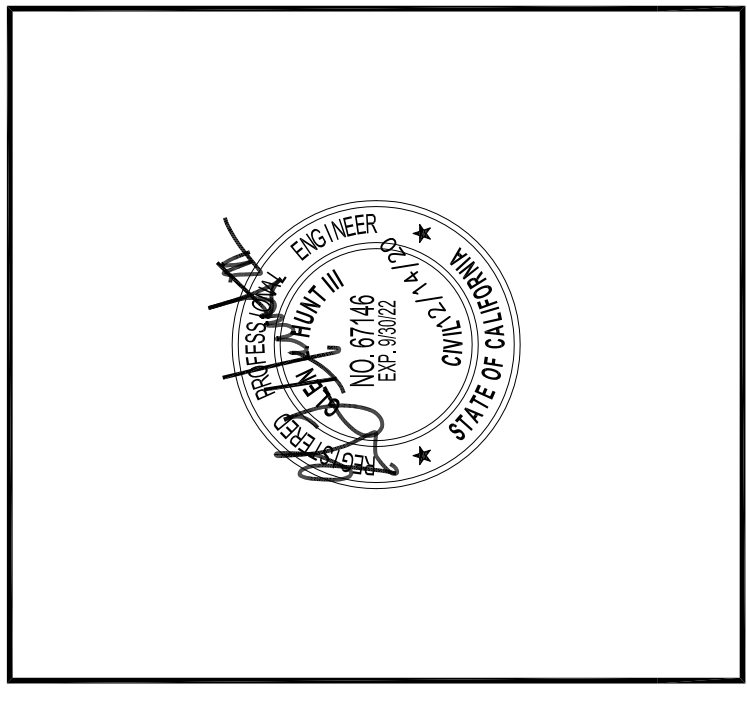
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PHONE: 602-910-6030 FAX: 480-279-1271

PROJECT NO: 0000
DRAWN BY: CH
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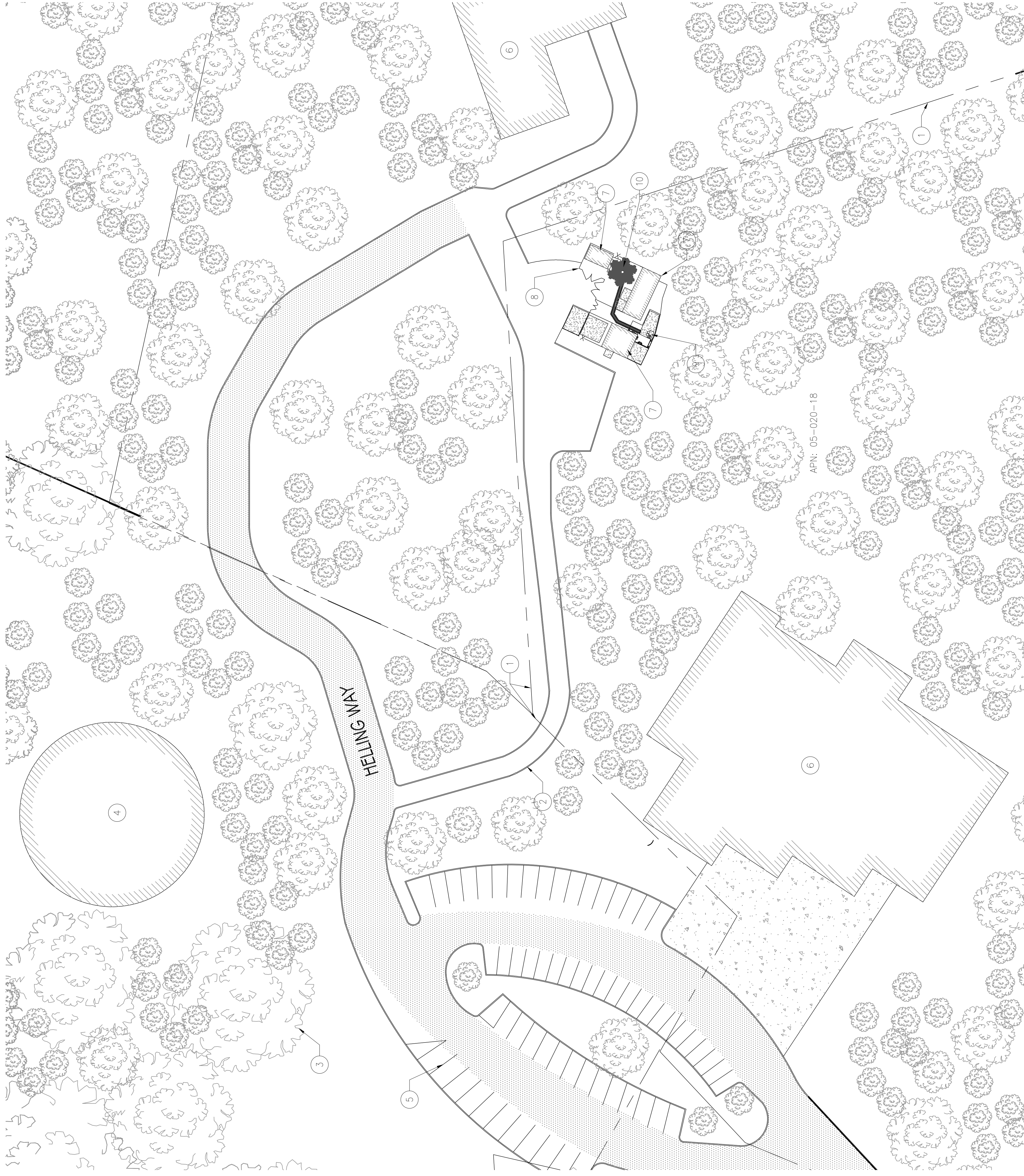
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SC56222A
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
SITE PLAN

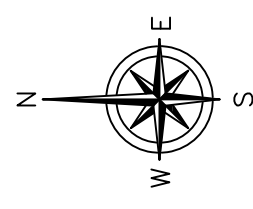
SHEET NUMBER
A-1



APN: 05-020-18

SITE PLAN KEY NOTES:

- 1. (E) PROPERTY LINE
- 2. (E) ACCESS ROAD
- 3. (E) TREE
- 4. (E) WATER TANK
- 5. (E) PARKING LOT
- 6. (E) BUILDING
- 7. (E) EQUIPMENT SHELTER (OTHERS)
- 8. (E) CHAIN LINK FENCE
- 9. (E) T-MOBILE EQUIPMENT CABINET
- 10. (E) MONOPINE

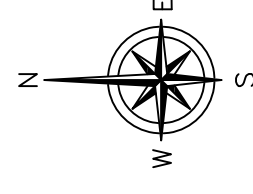


24"x36" SCALE: 1" = 30'-0"
11"x17" SCALE: 1" = 60'-0"

SITE PLAN

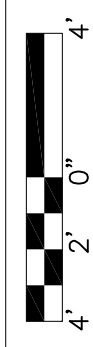
SITE PLAN KEY NOTES:

- 1. (E) CHAIN LINK FENCE
- 2. (E) ACCESS GATE
- 3. (E) CONCRETE STOOP
- 4. (E) EQUIPMENT SHELTER (OTHERS)
- 5. (E) ICE BRIDGE
- 6. (E) UTILITY H-FRAME
- 7. (E) EQUIPMENT (OTHERS)
- 8. (E) CONCRETE PAD
- 9. (E) T-MOBILE PPC CABINET AND METER
- 10. (E) T-MOBILE EQUIPMENT CABINET
- 11. (E) MONOPINE
- 12. (E) ANTENNAS
- 13. (E) H-FRAME GC TO REMOVE (E) TELCO BOX
- 14. (E) EQUIPMENT CABINET TO BE REMOVED
- 15. (E) T-MOBILE LEASE AREA



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

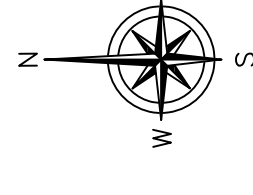
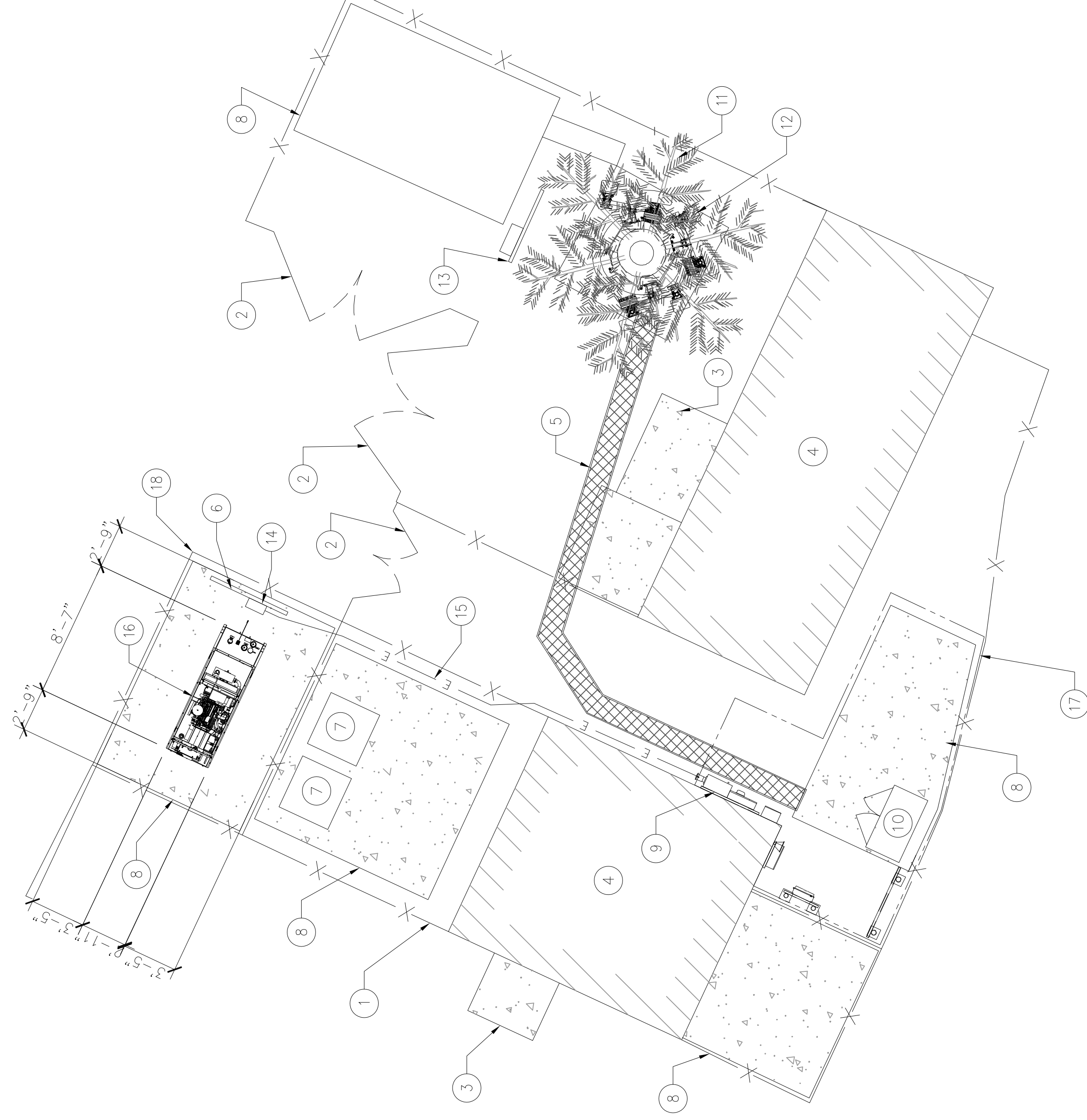
EXISTING ENLARGED SITE PLAN



1

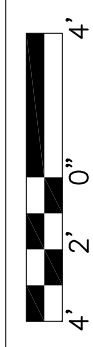
SITE PLAN KEY NOTES:

- 1. (E) CHAIN LINK FENCE
- 2. (E) ACCESS GATE
- 3. (E) CONCRETE STOOP
- 4. (E) EQUIPMENT SHELTER (OTHERS)
- 5. (E) ICE BRIDGE
- 6. (E) UTILITY H-FRAME
- 7. (E) EQUIPMENT (OTHERS)
- 8. (E) CONCRETE PAD
- 9. (E) T-MOBILE PPC CABINET AND METER
- 10. (E) T-MOBILE EQUIPMENT CABINET
- 11. (E) MONOPINE
- 12. (E) ANTENNAS
- 13. (E) H-FRAME
- 14. (N) GENERAC 200 AMP AUTOMATIC TRANSFER SWITCH MOUNTED ON (E) H-FRAME
- 15. (N) POWER CONDUIT
- 16. (N) GENERAC 25KW DIESEL GENERATOR MOUNTED ON (E) CONCRETE PAD
- 17. (E) T-MOBILE LEASE AREA
- 18. (N) T-MOBILE LEASE AREA



24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

PROPOSED ENLARGED SITE PLAN



2

PREPARED FOR:



1755 CREEKSIDE OAKS DRIVE
SACRAMENTO, CA 95833

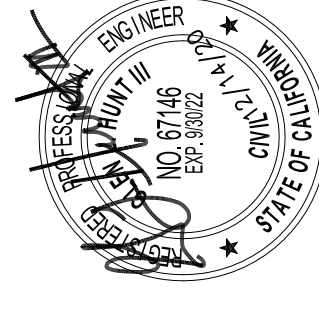
CONSULTING FIRM



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QUEEN CREEK AZ 85142
PHONE: 602-910-6030 FAX: 480-279-1271

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SR222 NEVADA CITY

SC56222A

980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
ENLARGED SITE
PLAN

SHEET NUMBER

A-2

PREPARED FOR:

**T-Mobile-
WEST LLC**

1755 CREEKSIDE OAKS DRIVE
SACRAMENTO, CA 95833

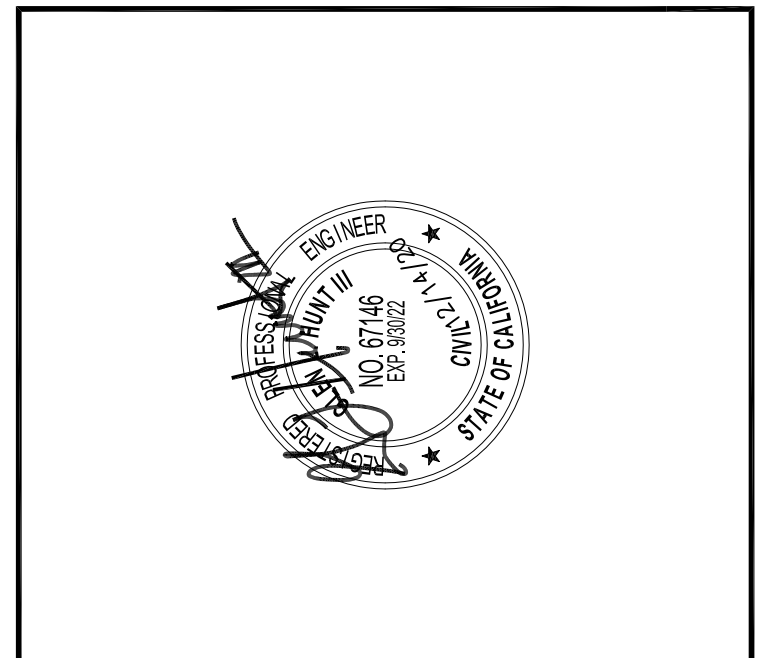
CONSULTING FIRM

**SINGLE
SOURCE**

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PHONE: 602-910-6030 FAX: 480-279-1271

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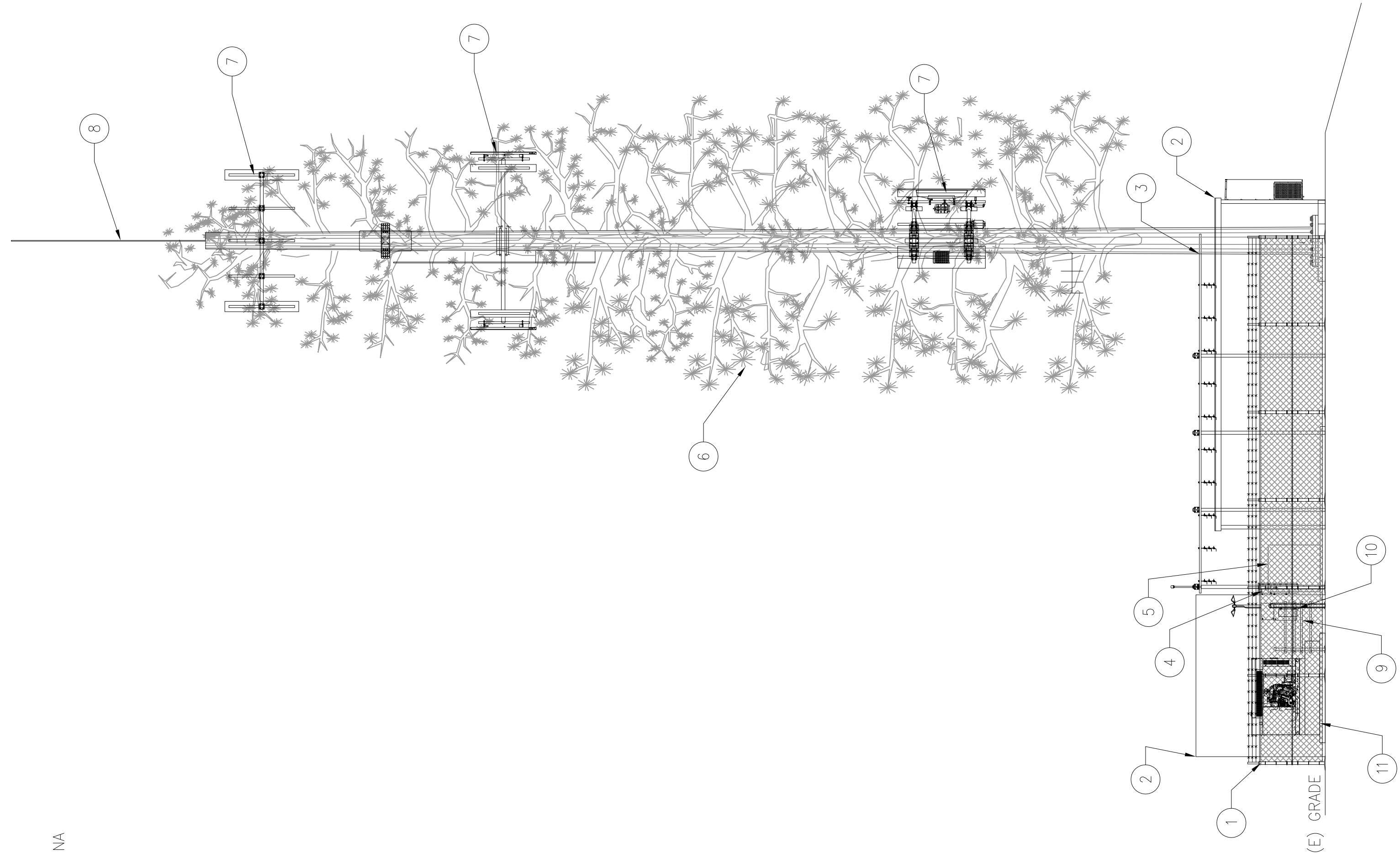
SR222 NEVADA CITY
SC56222A
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
ELEVATIONS

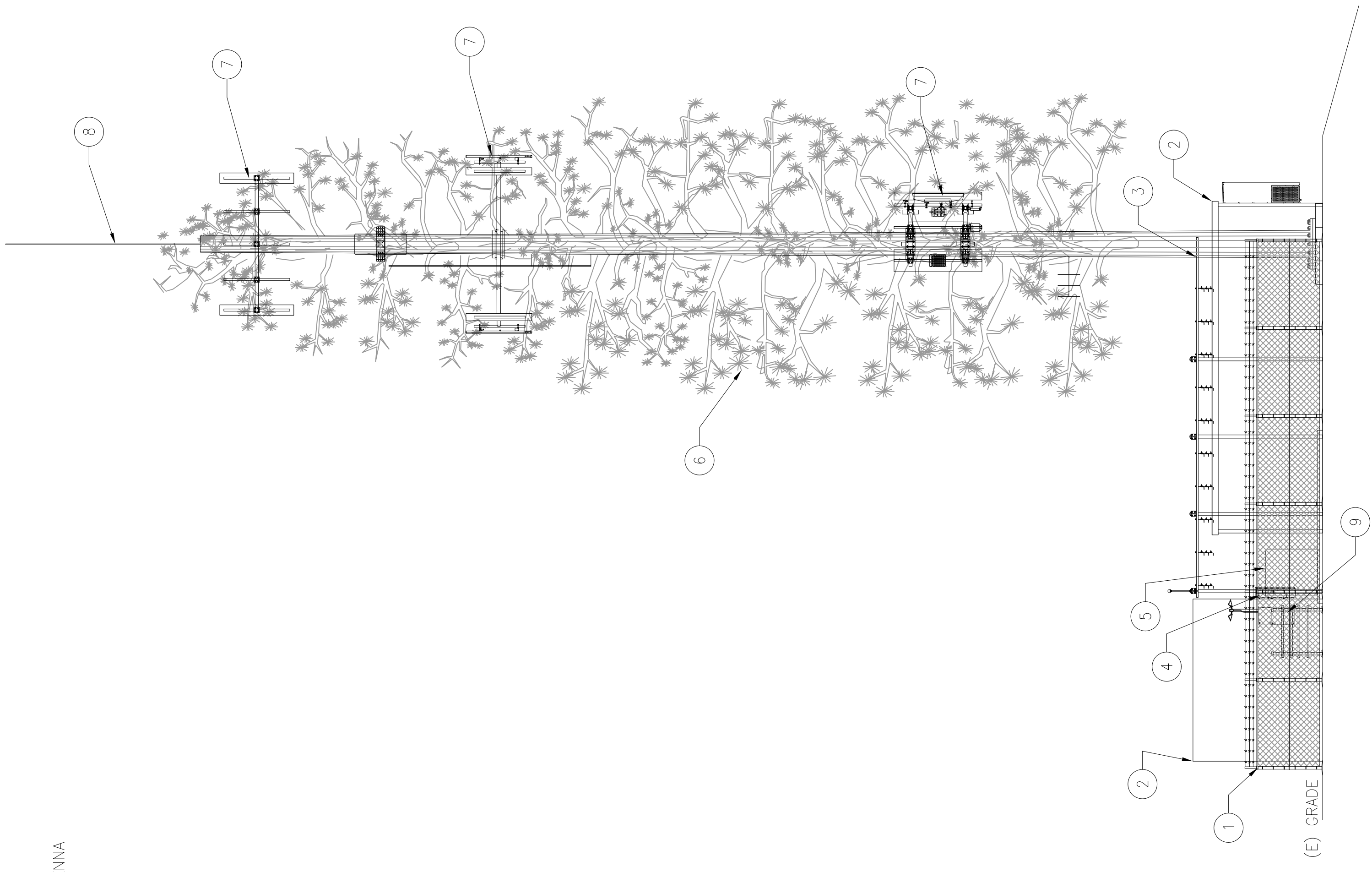
SHEET NUMBER
A-3

SITE PLAN KEY NOTES:

- 1. (E) CHAIN LINK FENCE
- 2. (E) EQUIPMENT SHELTER (OTHERS)
- 3. (E) ICE BRIDGE
- 4. (E) T-MOBILE PPC CABINET AND METER
- 5. (E) T-MOBILE EQUIPMENT CABINET
- 6. (E) MONOPINE
- 7. (E) ANTENNAS
- 8. (E) OMNI ANTENNA
- 9. (E) H-FRAME
- 10. (N) GENERAC 200 AMP AUTOMATIC TRANSFER SWITCH MOUNTED ON (E) H-FRAME (BEYOND)
- 11. (N) GENERAC 25KW DIESEL GENERATOR MOUNTED ON (E) CONCRETE PAD (BEYOND)



- 1. (E) CHAIN LINK FENCE
- 2. (E) EQUIPMENT SHELTER (OTHERS)
- 3. (E) ICE BRIDGE
- 4. (E) T-MOBILE PPC CABINET AND METER
- 5. (E) T-MOBILE EQUIPMENT CABINET
- 6. (E) MONOPINE
- 7. (E) ANTENNAS
- 8. (E) OMNI ANTENNA
- 9. (E) H-FRAME GC TO REMOVE (E) TELCO BOX

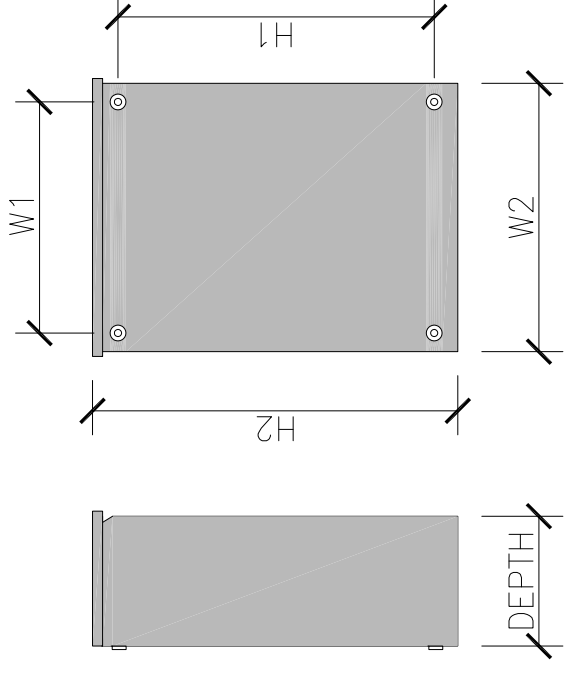


SPECIFICATIONS

MODEL	RXSC200A3
AMPS	200
VOLTAGE	120/240, 1 ϕ
LOAD TRANSITION TYPE (AUTOMATIC)	OPEN TRANSITION
ENCLOSURE TYPE	NEMA/UL 3R
UL RATING	UL/CUL

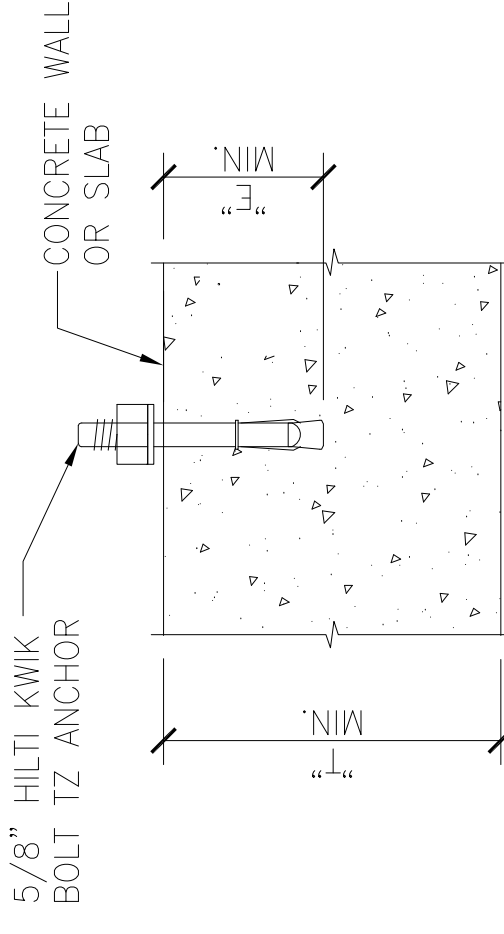
DIMENSIONS

MODEL	RXSC200A3
HEIGHT (IN./MM)	H1 17.24/437.9
	H2 20/508
WIDTH (IN./MM)	W1 12.5/317.5
	W2 14.6/370.8
DEPTH (IN./MM)	7.09/180.1
WEIGHT (LBS./KILOS)	20/9.07



GENERAC 200 AMP AUTOMATIC TRANSFER SWITCH

SCALE: NTS 2



ANCHOR SCHEDULE		ANCHOR SCHEDULE	
BOLT DIAMETER	3/8"	1/2"	5/8"
BIT DIAMETER	3/8"	1/2"	5/8"
"E" MIN. EMBEDMENT DEPTH	2"	3-1/4"	4"
"T" MIN. THICKNESS	4"	5"	6"
MIN. EDGE DISTANCE	2-1/2"	2-7/8"	3-1/4"
PULLOUT STRENGTH CONCRETE	2,340 LBS	N/A	5,840 LBS
		3,180 LBS	8,110 LBS
		N/A	N/A

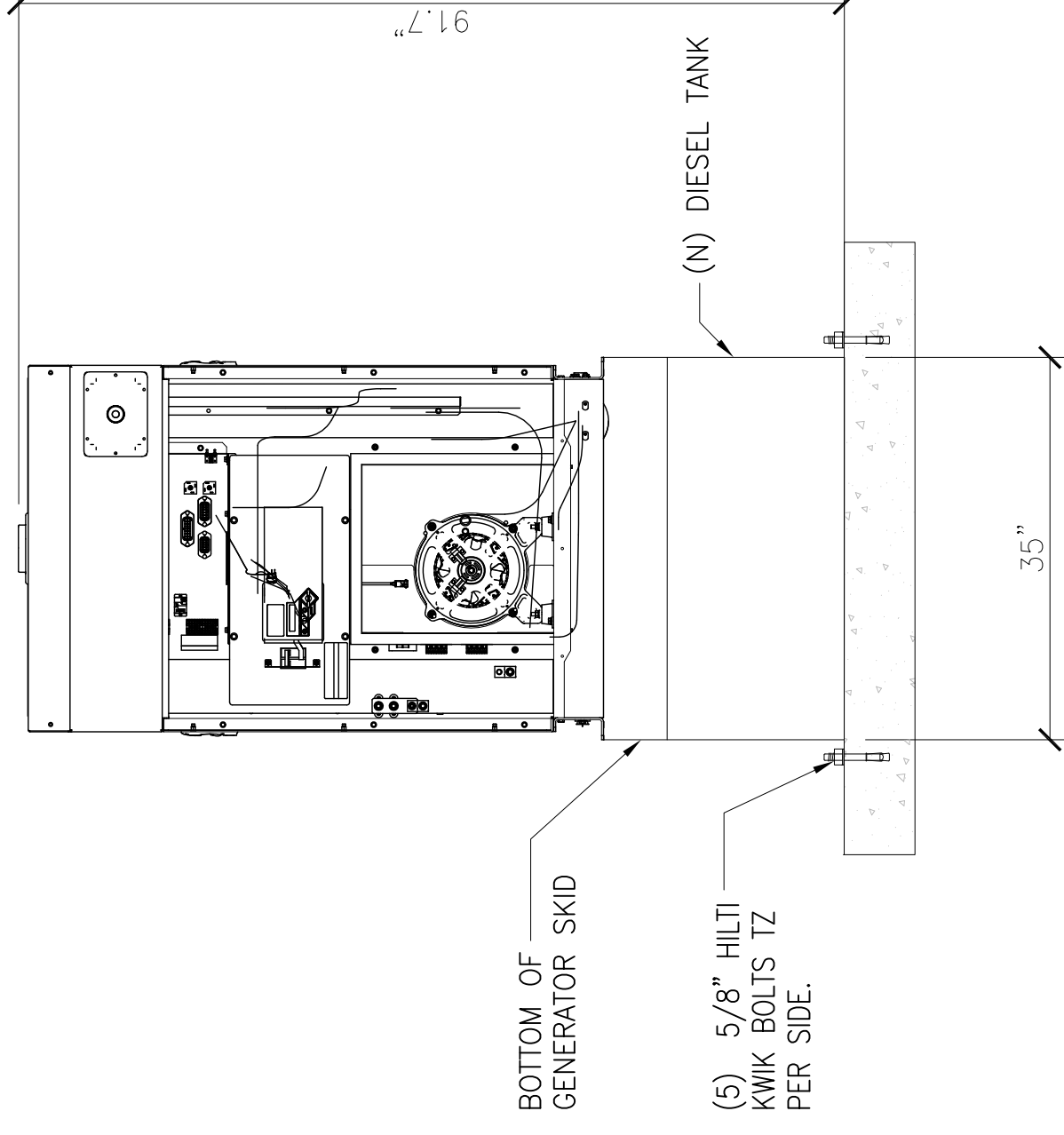
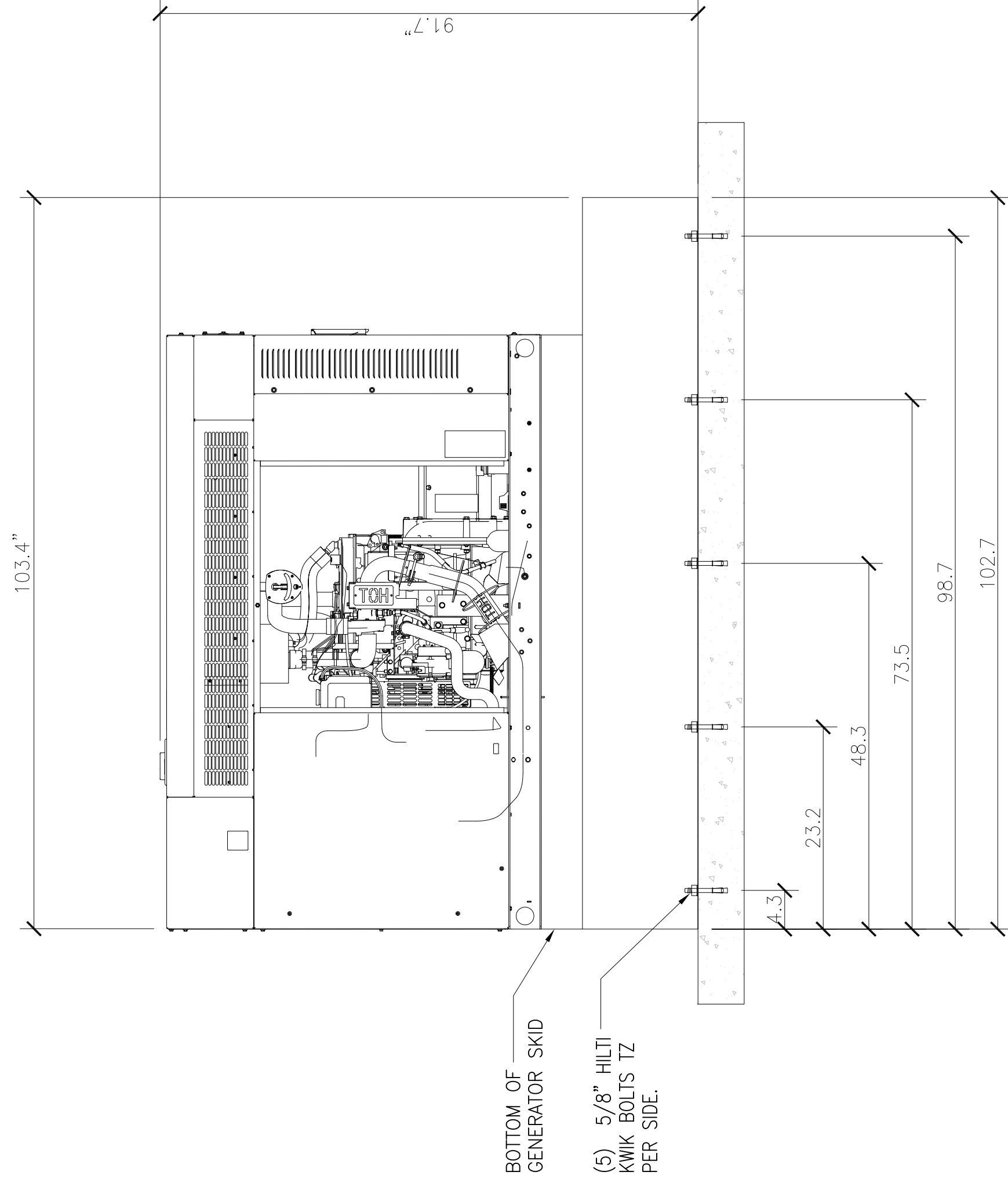
ANCHOR SCHEDULE NOTE: INFORMATION SHOWN IN THIS TABLE IS IN ACCORDANCE WITH: ICC REPORT ESR-1917

NOTES:

- SUBSTITUTION OF A HILTI KWIK BOLT TZ ANCHOR WITH OTHER EXPANSION ANCHORS MANUFACTURED BY HILTI OR BY OTHER MANUFACTURERS IS NOT ALLOWED WITHOUT THE WRITTEN APPROVAL OF THIS ENGINEER. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF REPLACEMENT OF NON-APPROVED ANCHORS.
- THE CONTRACTOR SHALL ACCURATELY LOCATE ALL EXISTING REINFORCING BY X-RAY OR EQUIVALENT METHOD. NO REBAR OR TENDONS SHALL BE CUT. ALL EXPENSES RELATED TO REPAIR OF CUT REBAR OR TENDONS SHALL BE ENTIRELY AT THE EXPENSE OF THE CONTRACTOR.
- SPECIAL INSPECTION IS REQUIRED FOR INSTALLATION OF ANCHORS.
- INSTALLATION OF CONCRETE ANCHORS IN MASONRY IS NOT ALLOWED.
- USE STAINLESS STEEL FOR EXPOSED APPLICATIONS.
- NORMAL-WEIGHT AND SAND-WEIGHT CONCRETE MUST CONFORM TO SECTIONS 1903 AND 1905 OF THE IBC.

HILTI KWIK BOLT TZ ANCHOR

SCALE: NTS 3



LEVEL 2 SOUND ATTENUATION ENCLOSURE
 RUN TIME HOURS: 96
 USABLE CAPACITY GAL : 240
 L X W X H: 103.4 X 35 X 91.7
 WEIGHT lbs (with skid): 2,161
 SOUND LEVEL: 65 dBA

GENERAC 25KW DIESEL GENERATOR

SCALE: NTS 1

PREPARED FOR:
T-Mobile
 WEST LLC
 1755 CREEKSIDE OAKS DRIVE
 SUITE 100
 SACRAMENTO, CA 95833

CONSULTING FIRM
SINGLE SOURCE
 22972 SOUTH 193 STREET,
 QUEEN CREEK AZ 85142
 PHONE: 602-910-6030 FAX: 480-279-1271

PROJECT NO:	0000
DRAWN BY:	CH
CHECKED BY:	GH

REV	DATE	DESCRIPTION
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SR222 NEVADA CITY
SC56222A
 980 HELLING WAY
 NEVADA CITY, CA 95959
 NEVADA COUNTY

SHEET TITLE
DETAILS

SHEET NUMBER
A-4

PREPARED FOR:



1755 CREEKSIDE OAKS DRIVE
SUITE 100
SACRAMENTO, CA 95833

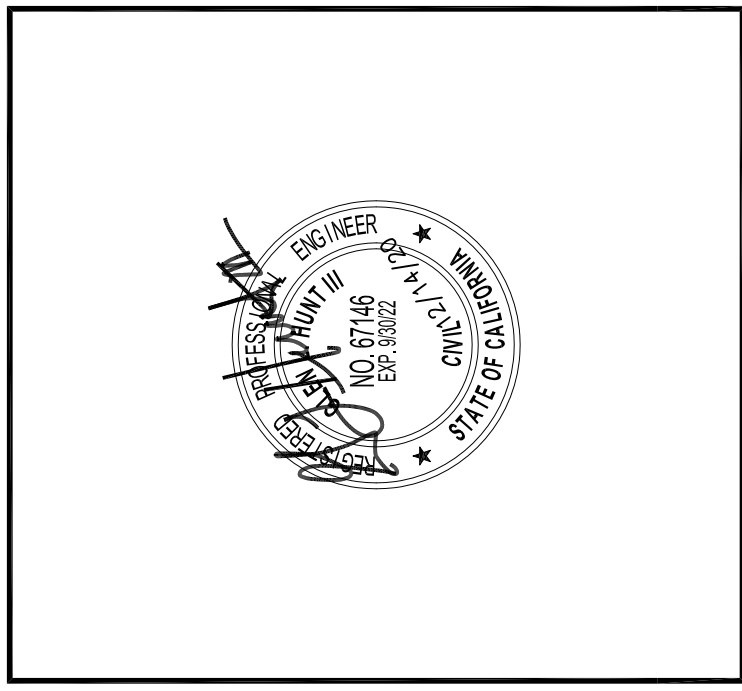
CONSULTING FIRM



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QUEEN CREEK AZ 85142,
PHONE: 602-910-6030 FAX: 480-279-1271

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SR222 NEVADA CITY
SC56222A
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
GENERATOR SIGNAGE

SHEET NUMBER
A-5

SPECIFICATIONS:

1. FONT STYLE USED: NUMBERS—HELVETICA BOLD EXTENDED LETTERS—HELVETICA BLACK BT
2. NUMBERS SHALL BE A MINIMUM OF 3-1/2" HIGH WITH 11/16" STROKE WIDTH
3. LETTERING FOR WHITE SPECIAL HAZARD BOX: ONE LINE: 1-3/4" HIGH WITH 9/16" STROKE WIDTH TWO LINES: 1-3/8" HIGH WITH 7/16" STROKE WIDTH THREE LINES: 1-1/4" HIGH WITH 3/8" STROKE WIDTH
4. NUMBERS AND LETTERS ARRANGED BY COLOR AS SHOWN ABOVE.
5. SIGN SHALL BE POSTED AT LOCATION APPROVED BY THE CITY'S FIRE DEPARTMENT

**NO SMOKING
OR OPEN
FLAMES WITHIN
25 FEET**

SIGN REQUIREMENTS:
MATERIAL— 8 1/2" x 11" 60MIL THICK WHITE PLASTIC.
COLOR AND LETTERING— PER OSHA 1910.145: REGULATIONS OF ACCIDENT PREVENTION SIGNS AND TAGS.
MOUNTING — VERIFY MOUNTING LOCATION WITH LOCAL FIRE INSPECTOR.

DANGER SIGNAGE

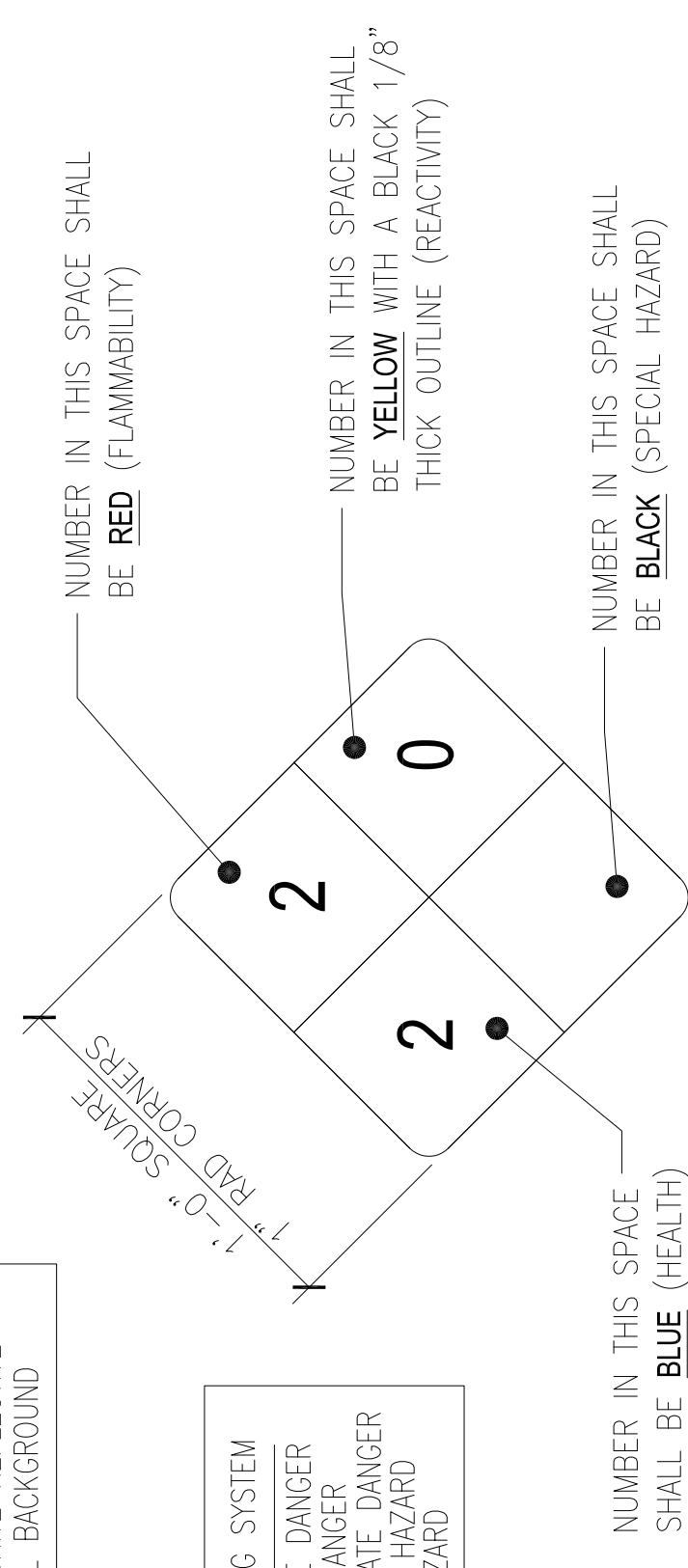
TANK SIGNAGE SPECIFICATIONS

1. ALL SIGNS SHALL BE UV-RESISTANT FOR OUTDOOR USE.
2. ALL SIGNS SHALL HAVE A MINIMUM 5-YEAR GUARANTEE WITHOUT SHOWING ANY SIGNS OF FADING OR DEGRADATION
3. ALL SIGNS SHALL HAVE ROUNDED CORNERS WITH PRE-DRILLED HOLES AND WEATHER PROOF PRESSURE SENSITIVE ADHESIVE BACKING FOR MOUNTING.
4. ALL SIGNS SHALL BE PROVIDED PER THEIR SPECIFIC REQUIREMENTS, UNLESS OTHERWISE SPECIFIED DUE TO SIZE RESTRAINTS OR LANDLORD DEMANDS.

GENERAL SIGNAGE NOTES

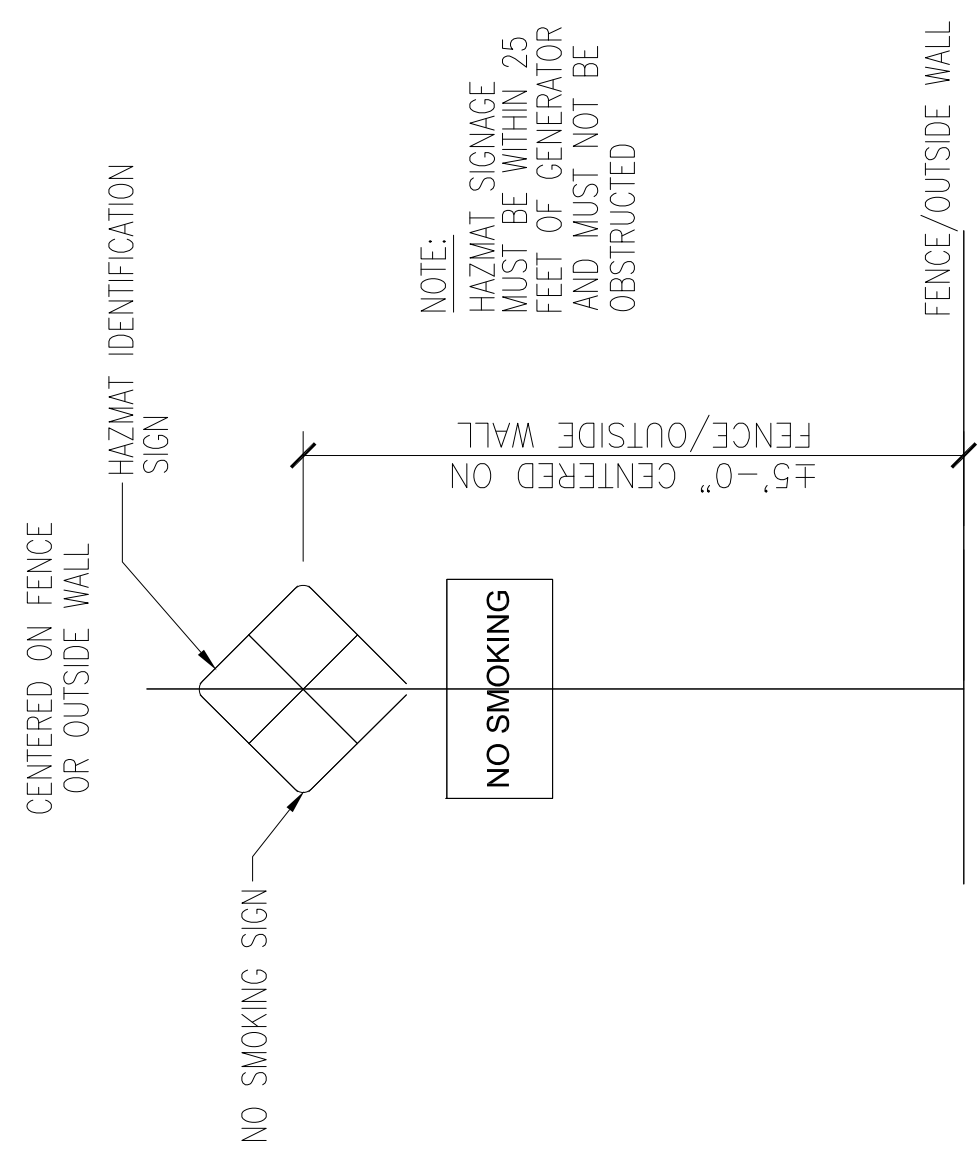
SIGN MATERIAL:
.080" THICK ALUMINUM SHEET
WITH WHITE REFLECTIVE
VINYL BACKGROUND

NUMBERING SYSTEM
4—SEVERE DANGER
3—HIGH DANGER
2—MODERATE DANGER
1—SLIGHT HAZARD
0—NO HAZARD



HAZMAT IDENTIFICATION SIGN CONFIGURED FOR FUEL OIL #1 (CAS: 066334-30-5) (TYPICAL FOR DIESEL GENERATORS)
CONTRACTOR TO PROVIDE SIGN PER I-MOBILE STANDARDS

TANK SIGNAGE



HAZMAT SIGNAGE

PREPARED FOR:



1755 CREEKSIDE OAKS DRIVE
SUITE 100
SACRAMENTO, CA 95833

CONSULTING FIRM



22972 SOUTH 193 STREET,
QUEEN CREEK AZ 85142,
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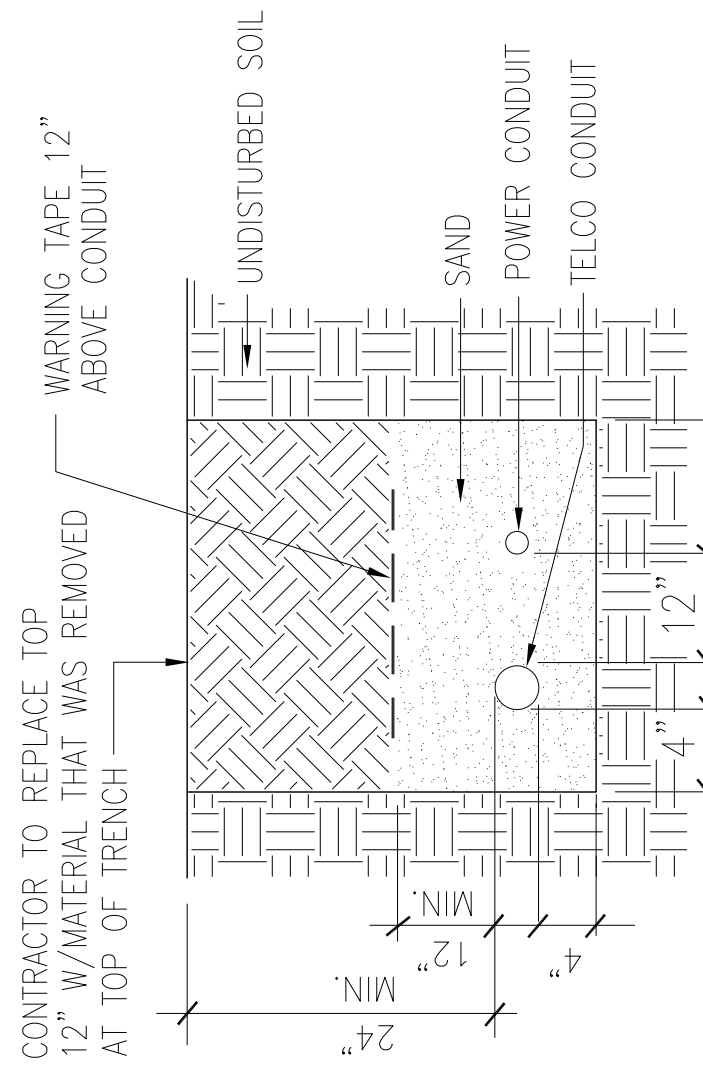
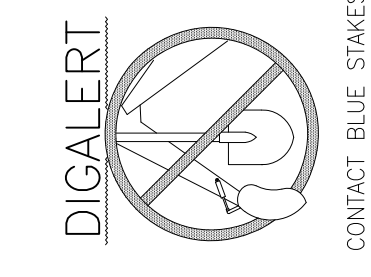
REV	DATE	DESCRIPTION
0	12/14/20	ISSUE FOR SUBMITTAL
A	4/04/20	ISSUE FOR REVIEW



SR222 NEVADA CITY
SC56222A
980 HELLING WAY
NEVADA CITY, CA 95959
NEVADA COUNTY

SHEET TITLE
**ELECTRICAL
DETAILS**

SHEET NUMBER
E-1



- CONTRACTOR NOTES:**
- CONTRACTOR TO VERIFY AREAS CLEARED TO ENSURE THAT NO WATER, SEWER OR UTILITY LINES PRESENT.
 - CONDUIT SIZE DETERMINED BY UTILITY.
 - VERIFY WITH UTILITY THAT NEW SERVICE HAS BEEN APPLIED FOR.
 - ANY DAMAGE CAUSED TO THE EXISTING UNDERGROUND SERVICES OR SYSTEMS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
 - EXCAVATE TO REQUIRED DEPTH.
 - RESTORE GRADE TO ORIGINAL CONDITION COMPACT TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM D-1557.

TRENCH DETAIL

SCALE: NONE

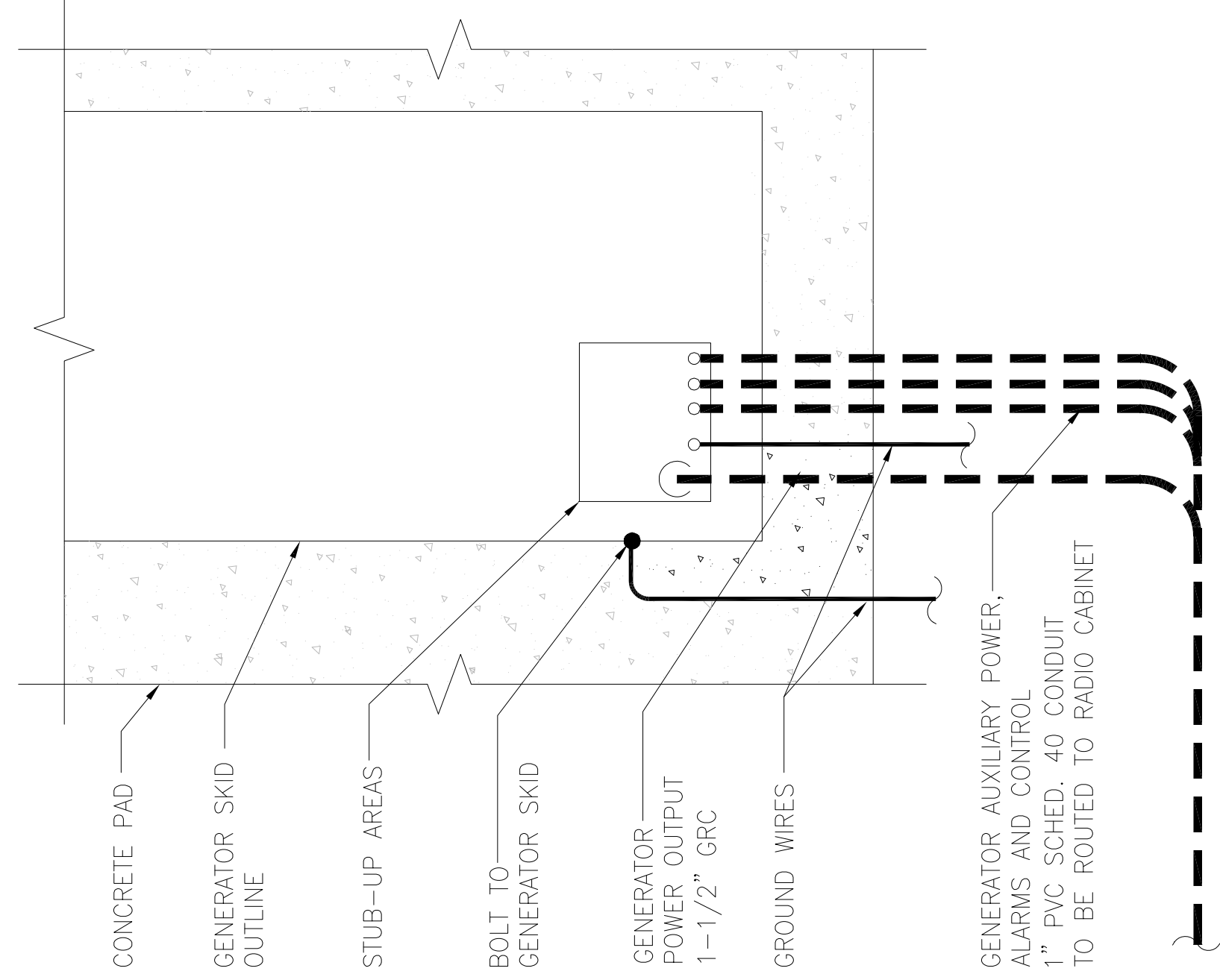
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ABBREVIATIONS & LEGEND

2

- OHT/OHP — OVERHEAD TELEPHONE/OVERHEAD POWER
- UGT/UGP — UNDERGROUND TELEPHONE/UNDERGROUND POWER
- G — GROUNDING CONDUCTOR
- — CONDUIT UNDERGROUND
- AWG AMERICAN WIRE GAUGE
- BCW BARE COPPER WIRE
- DWG DRAWING
- EMT ELECTRICAL METALLIC TUBING
- GND GROUND
- IMC INTERMEDIATE METALLIC CONDUIT
- MGB MASTER GROUND BAR
- PVC RIGID (SCH. 40) POLYVINYL CHLORIDE CONDUIT
- RGS RIGID GALVANIZED STEEL
- COMPRESSION TYPE CONNECTION
- CADWELDED TYPE CONNECTION
- FUSE
- CIRCUIT BREAKER
- GROUNDING WIRE
- TRANSFORMER
- METER
- DISCONNECT SWITCH
- CHEMICAL GROUND ROD
- GROUND ROD
- TEST WELL GROUND ROD

NOTE:
GC TO VERIFY STUB UP LOCATIONS WITH GENERATOR SPECS. IF USING EXISTING SLAB GC TO LB INTO GENERATOR FOR ALL WIRING CONNECTIONS.



- RUN ELECTRICAL CONDUIT BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND T-MOBILE CELL SITE ELECTRICAL PANEL/PEDESTAL AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPES. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- RUN TELCO CONDUITS BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND T-MOBILE CELL SITE TELCO SERVICE CABINET AND EQUIPMENT CABINETS AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPES AND TRUE TAPE IN INSTALLED CONDUITS.
- WHERE CONDUIT BETWEEN MOD-CELL AND T-MOBILE CELL SITE ELECTRICAL PEDESTAL AND BETWEEN MOD-CELL AND T-MOBILE CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND, USE PVC SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE FLEXIBLE CONDUIT.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQUIRED AND CONSTRUCT TO UTILITY COMPANY PLAN AND SPECIFICATIONS ONLY.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES CABLE PULLBOXES, CONC. ENCASEMENT OF CONDUITS (IF REQUIRED), TRANSFORMER PAD (IF REQUIRED), BARRIERS, POLE RISERS, TRENCHING, BACKFILL, AND INCLUDE ANY UTILITY COMPANY REQUIREMENTS IN SCOPE OF WORK.
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE NATIONAL ELECTRIC CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECS. INCLUDING INCIDENTAL WORK, TO PROVIDE COMPLETE, OPERATING AND APPROVED ELECTRICAL SYSTEM.
- CONTRACTOR SHALL PAY ALL FEES FOR PERMITTING, AND BE RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED. ALL CONDUITS SHALL BE RATED 75° C.
- SERVICE TO EQUIPMENT CABINETS SHALL BE 120/240 VAC, 200 AMP, 1 PHASE, UNLESS NOTED OTHERWISE.
- CONNECTIONS TO GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK-TO-BACK CONNECTIONS ON OPPOSITE SIDES OF GROUND BUS ARE PERMITTED.
- PROVIDE 2 PULL STRINGS SECURELY FASTENED AT EACH END OF ALL CONDUITS. PULL STRINGS ARE TO BE 200 LB. TEST POLYETHYLENE CORD. PROVIDE A CAP ON THE END OF EACH CONDUIT AND MARK AS SHOWN ON THE ENLARGED SITE PLAN.
- THE TOP OF THE UTILITY METER GROUND ROD SHALL BE 6" ABOVE THE SUB-GRADE OR PER LOCAL JURISDICTION REQUIREMENTS.
- ALL CONDUCTORS SHALL BE COPPER TYPE THIN OR THHN INSULATION UNLESS OTHERWISE NOTED.

ELECTRICAL GENERAL NOTES

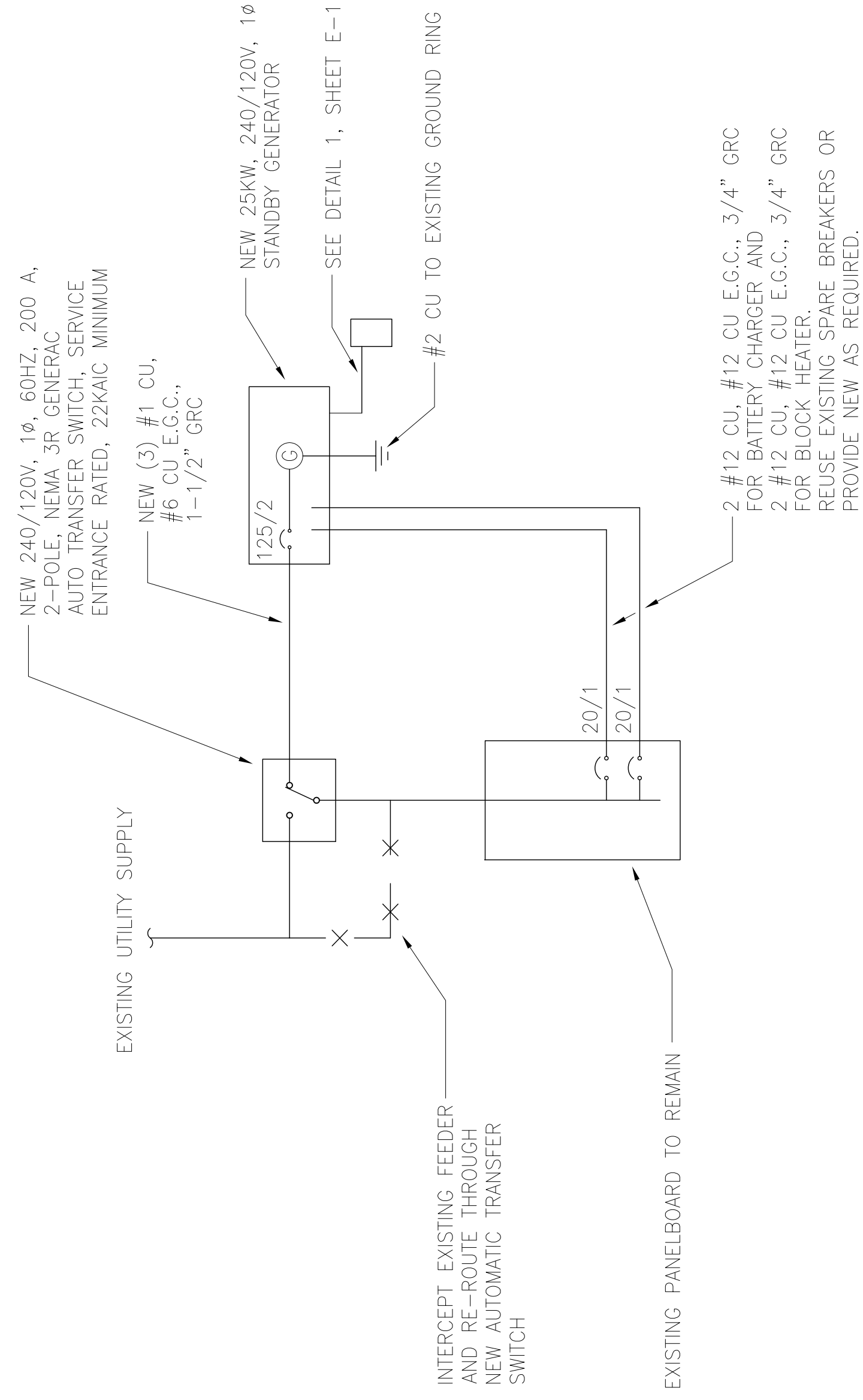
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CONDUIT ENTRY FOR GENERATOR INSTALLATIONS

1

NOTES:

1. SUBCONTRACTOR SHALL FIELD VERIFY, WITHIN THE SCOPE OF WORK, THAT ALL EXISTING CONDUITS, CONDUCTORS, CONDUIT STUB-UPS, AND ELECTRICAL EQUIPMENT/RATINGS ARE INSTALLED PER NEC AND LOCAL AUTHORITIES HAVING JURISDICTION.
2. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY EQUIPMENT MANUFACTURERS.
3. PROVIDE SIGNS AT SERVICE ENTRANCE EQUIPMENT AS REQUIRED BY NEC ARTICLE 702.8 INDICATING SITE HAS ON-SITE AUTOMATIC START STANDBY GENERATOR.
4. THIS SITE IS NOT REQUIRED BY A DETERMINING AGENCY TO BE A LEGALLY REQUIRED SYSTEM.
5. THE PROPOSED STANDBY GENERATOR IS NOT A SEPARATELY-DERIVED POWER SYSTEM.
6. THE GENERATOR SIZE HAS BEEN SPECIFIED BY THE CLIENT. THE CLIENT SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE LOAD APPLIED TO THE GENERATOR IS WITHIN THE GENERATOR'S RATING.
7. THE CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE SERVING UTILITY AND SHALL USE THAT DATA TO CALCULATE THE AVAILABLE FAULT CURRENT AT THE AUTOMATIC TRANSFER SWITCH. THE AUTOMATIC TRANSFER SWITCH SHALL BE SUITABLE FOR USE AT THE CALCULATED FAULT CURRENT.



STANDBY GENERATOR SINGLE-LINE DIAGRAM

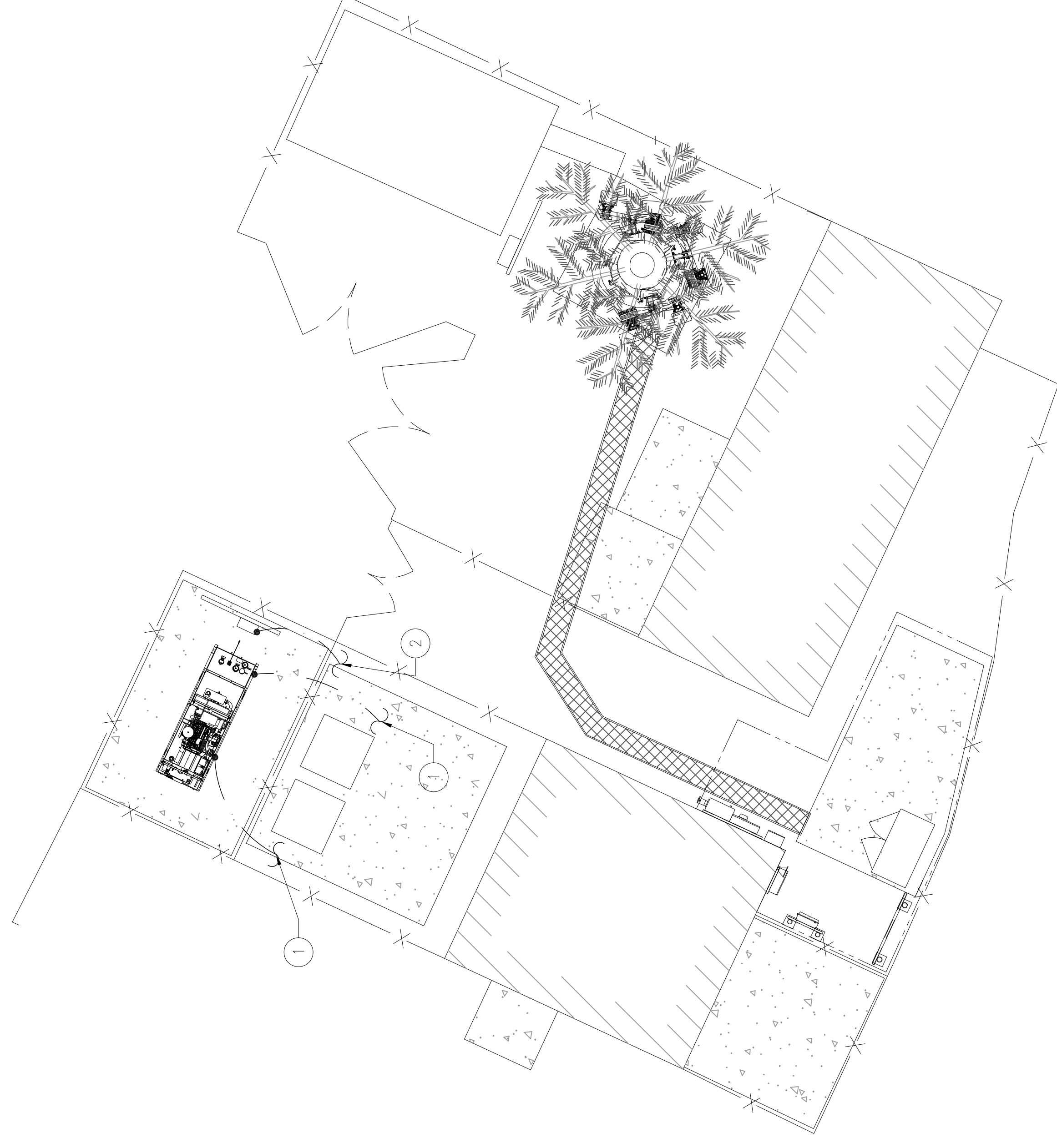
25KW STANDBY GENERATOR SINGLE-LINE DIAGRAM

2

SITE PLAN KEY NOTES:

1. GENERAC 25KW DIESEL GENERATOR GROUND TO GROUND RING (FIELD VERIFY LOCATION)
2. GENERAC 200 AMP AUTOMATIC TRANSFER SWITCH GROUND TO GROUND RING (FIELD VERIFY LOCATION)

NOTE:
CONTRACTOR TO FIELD VERIFY LOCATION OF (E) EQUIPMENT GROUND RING



24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

GROUNDING PLAN

1

PREPARED FOR:



1755 CREEKSIDE OAKS DRIVE
SUITE 104
SACRAMENTO, CA 95833

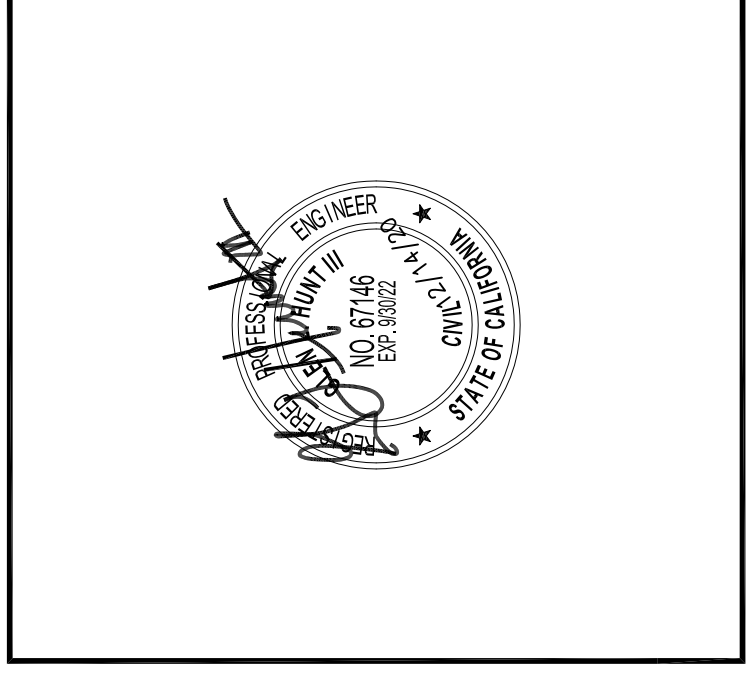
CONSULTING FIRM



22972 SOUTH 193 STREET,
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PROJECT NO: 0000
DRAWN BY: CH
CHECKED BY: GH

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