



CITY OF CAMPBELL
Community Development Department

July 1, 2016

NOTICE OF PUBLIC HEARING

Notice is hereby given that the Planning Commission of the City of Campbell has set the time of 7:30 p.m., or shortly thereafter, on Tuesday, **July 12, 2016**, in the City Hall Council Chambers, 70 North First Street, Campbell, California, for a Public Hearing to consider the application of Leah Hernikl, on behalf of T-Mobile, for a Modification (PLN2016-174) of a previously approved Conditional Use Permit to allow the removal and replacement of three antenna panels and associated equipment on a PG&E Lattice Tower located at **1469 S. Bascom Avenue**. Staff is recommending that this item be deemed Categorical Exempt under CEQA.

Interested persons may appear and be heard at this hearing. Please be advised that if you challenge the nature of the above project in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this Notice, or in written correspondence delivered to the City of Campbell Planning Commission at, or prior to, the Public Hearing. Questions may be addressed to the Community Development Department at (408) 866-2140.

Plans and architectural drawings may be viewed at the Planning Division office during normal business hours (8:00 a.m. – 5:00 p.m.) and on the City's 'Public Notices' web page (<http://www.cityofcampbell.com/501/Public-Notices>) under 'Planning Commission'.

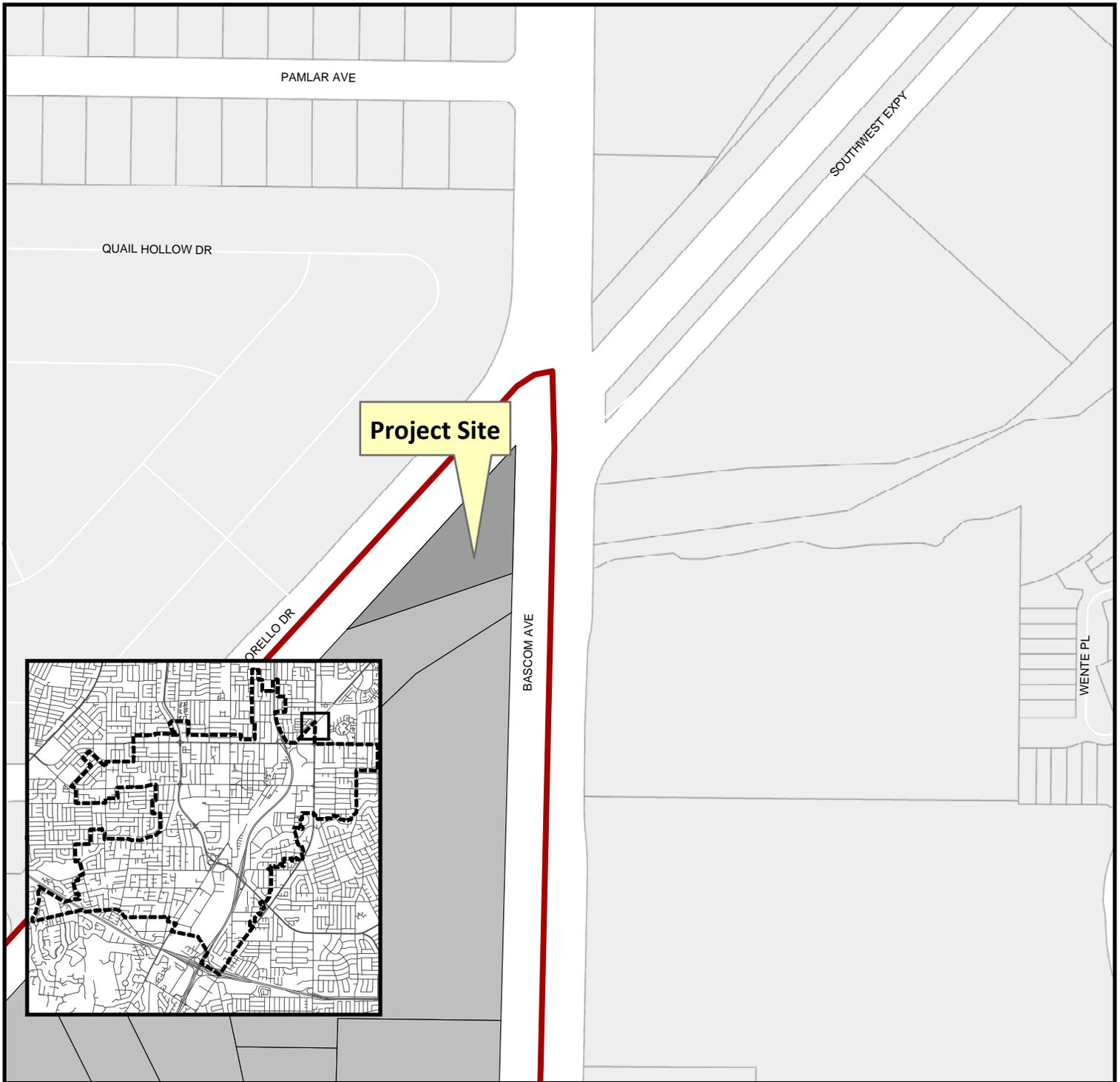
Decisions of the Planning Commission may be appealed to the City Council. Appeals must be submitted to the City Clerk in writing within 10 calendar days of an action by the Commission.

In compliance with the Americans with Disabilities Act, listening assistive devices are available for all meetings held in the Council Chambers. If you require accommodation, please contact the Community Development Department at (408) 866-2140, at least one week in advance of the meeting.

PLANNING COMMISSION
CITY OF CAMPBELL
PAUL KERMOYAN
SECRETARY

PLEASE NOTE: When calling about this Notice,
please refer to: **1469 S. Bascom Avenue**

Project Location Map

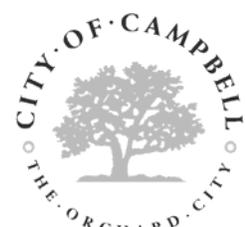
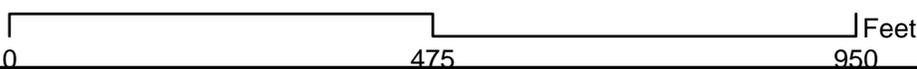


Project Location: 1469 S. Bascom Avenue

Application Type: Modification

Planning File No.: PLN2016-174

Description: To allow removal and replacement of three antenna panels on existing PGE lattice tower.



Community Development Department
Planning Division

T-MOBILE WEST LLC



PG&E BASCOM HWY 17

1469 S BASCOM AVE
CAMPBELL, CA 95008

SF70135M

RFDS VER#: 5 04/08/2016

PG&E
BASCOM
HWY 17

SF70135M
1469 S BASCOM AVE
CAMPBELL, CA 95008

ISSUE STATUS

Δ	DATE	DESCRIPTION	
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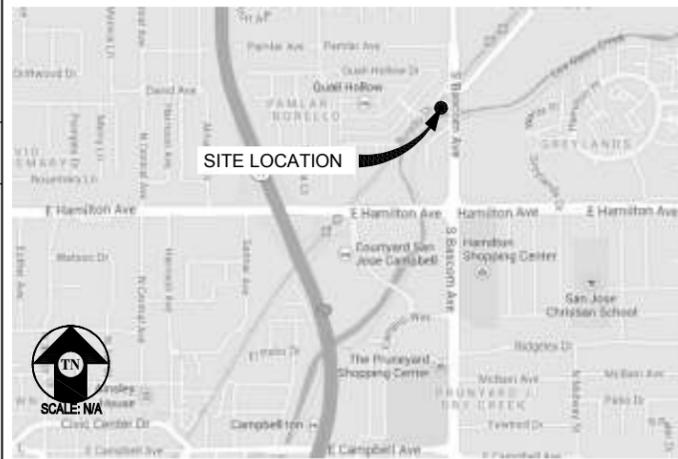
DRAWN BY: D. HAYES
CHECKED BY: S. SAVIG
APPROVED BY: K. SORENSEN
DATE: 05/04/16

PROJECT DESCRIPTION

A MODIFICATION TO AN (E) UNMANNED T-MOBILE TELECOMMUNICATION FACILITY CONSISTING OF:

- REMOVING & REPLACING (3) (E) T-MOBILE ANTENNAS W/ (3) (N) T-MOBILE ANTENNAS
- REMOVING & REPLACING (E) BATTERY CABINET W/ (1) (N) PTS 8003
- REMOVING (E) CDMA RADIO CABINET
- REMOVING (3) (E) TMAS

VICINITY MAP



CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & 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:

- 2013 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. (2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
- 2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

ANSI/EIA-TIA-222-G
ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.4

PROJECT INFORMATION

SITE NAME: PG&E BASCOM HWY 17
COUNTY: SANTA CLARA
APN: 282-24-002
SITE ADDRESS: 1469 S BASCOM AVE, CAMPBELL, CA 95008
CURRENT ZONING: -
CONSTRUCTION TYPE: I-B
OCCUPANCY TYPE: U, (UNMANNED COMMUNICATIONS FACILITY)
PROPERTY OWNER: PG&E, 245 MARKET ST, MAIL CODE N100, SAN FRANCISCO, CA 94105

APPLICANT: T-MOBILE WEST LLC, 1855 GATEWAY BLVD 9TH FLOOR, CONCORD, CA 94520-3200

LEASING CONTACT: ATTN: CHRISTINE CASEY, (415) 806-8750

ZONING CONTACT: ATTN: LEAH HERNIKL, (480) 799-1182

CONSTRUCTION CONTACT: ATTN: WES FREY, (707) 315-6796

LATITUDE: N 37° 17' 51.03" NAD 83
LONGITUDE: W 121° 55' 55.12" NAD 83

AMSL: ±173'

PG&E INFORMATION

TOWER INFO:
TOWER SAP#: 40756316
TOWER#: 0/4
LINE NAME: EL PATIO / SAN JOSE A 115KV
PROJECT#: SFA-C07-135A
SBE#:

PG&E CONTACT INFO:
LAND AGENT CONTACT: MATT RANGE, (415) 973-3353, E-MAIL: M3RH@PGE.COM, MAYA HERR-ANDERSON, (415) 973-5736, E-MAIL: M4HA@PGE.COM

PROJECT MANAGER: RICHARD SARTINI, MOBILE: (415) 308-9400, E-MAIL: RRSR@PGE.COM

ADDRESS: 245 MARKET ST, MAIL CODE N100, SAN FRANCISCO, CA 94105

DRIVING DIRECTIONS

FROM: 1855 GATEWAY BLVD, CONCORD, CA 94520-3200
TO: 1469 S BASCOM AVE, CAMPBELL, CA 95008

- HEAD SOUTHEAST ON GATEWAY BLVD 108 FT
- TAKE THE 1ST RIGHT ONTO CLAYTON RD 0.3 MI
- MERGE ONTO CA-242 S VIA THE RAMP TO OAKLAND 1.2 MI
- MERGE ONTO I-680 S 49.4 MI
- CONTINUE ONTO I-280 N 3.9 MI
- TAKE THE RACE ST/SOUTHWEST EXPY EXIT 0.1 MI
- KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR SOUTHWEST EXPY AND MERGE ONTO SOUTHWEST EXPY 1.5 MI
- TURN RIGHT ONTO STOKES ST 0.2 MI
- TURN LEFT ONTO S BASCOM AVE 0.3 MI
- DESTINATION WILL BE ON THE RIGHT

END AT: 1469 S BASCOM AVE, CAMPBELL, CA 95008

ESTIMATED TIME: 55 MINUTES ESTIMATED DISTANCE: 57 MILES

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	-
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E-1	ELECTRICAL & GROUNDING PLAN	-

APPROVAL

RF
LEASING
ZONING
CONSTRUCTION
T-MOBILE
PG&E

Streamline Engineering
Civil Design, Inc.
8445 Sierra College Blvd, Suite E, Granite Bay, CA 95746
Contact: Kevin Sorensen, Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com, Fax: 916-660-1941

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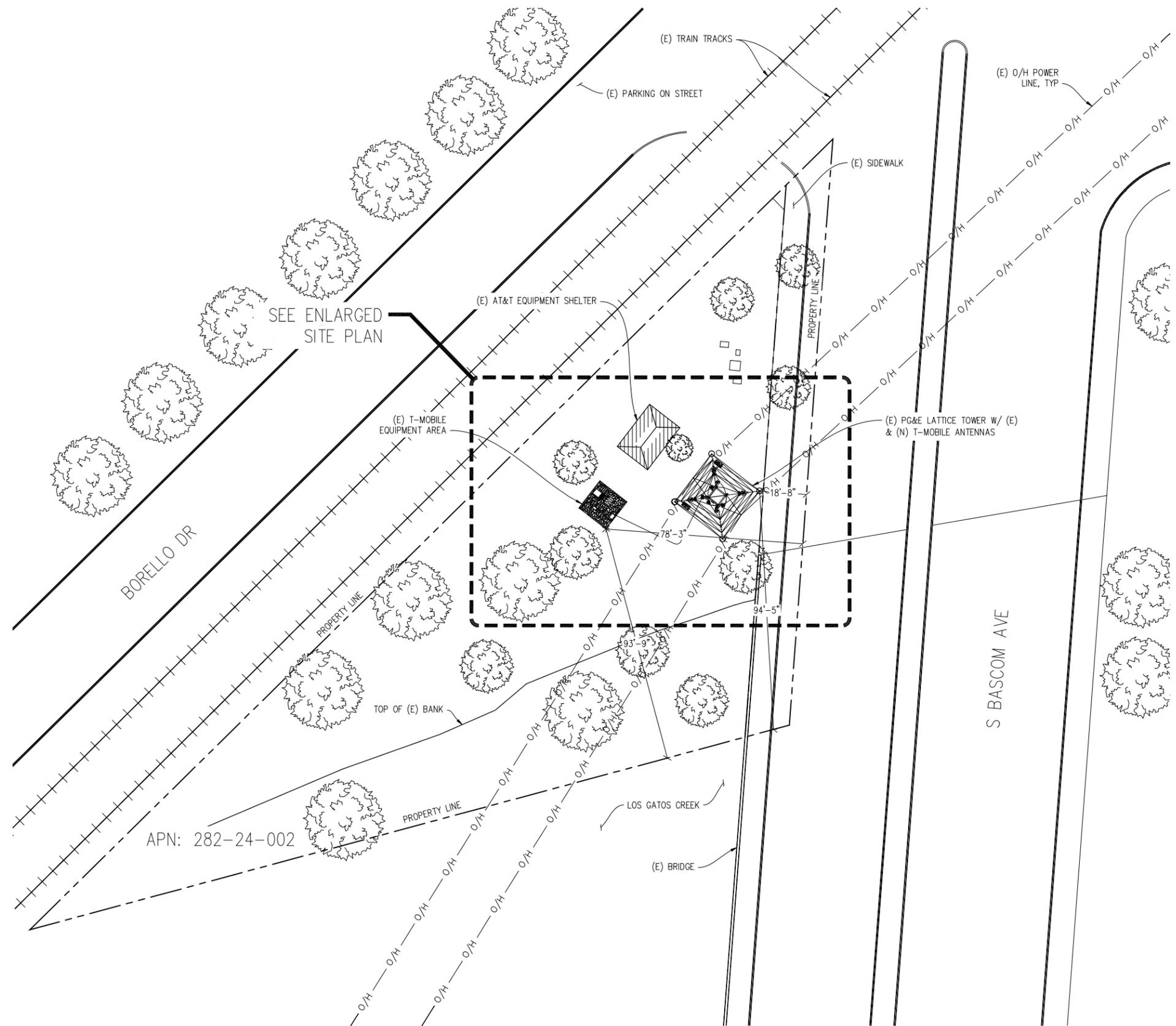


T-MOBILE WEST LLC
T-Mobile
1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:
TITLE
SHEET NUMBER:
T-1

PROJECT GENERAL NOTES

1. THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.
3. THE SCOPE OF WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. CALL BEFORE YOU DIG. CONTRACTOR IS REQUIRED TO CALL 811 (NATIONWIDE "CALL BEFORE YOU DIG" HOTLINE) AT LEAST 72 HOURS BEFORE DIGGING.
8. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
9. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL ALSO COORDINATE ALL PORTIONS OF THE WORK UNDER THE CONTRACT; INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
11. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
12. 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 DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES.
14. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. THE CONTRACTOR SHALL PROVIDE A TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
16. SUFFICIENT MONUMENTATION WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES SHOWN HEREON AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.
17. THE CONTRACTOR TO VERIFY THE LATEST/CURRENT RF DESIGN.
18. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE SEPARATE PLANS, SPECIFICATIONS, FEES AND PERMITS FOR ANY REVISION TO ANY FIRE SPRINKLER AND/OR ALARM SYSTEM ON THE PREMISES AS MAY BE NEEDED TO COMPLETE THE WORK DEPICTED HEREIN, USING A C-10 LICENSED SUBCONTRACTOR FOR ALL SUCH WORK.



**PG&E
BASCOM
HWY 17**

SF70135M
1469 S BASCOM AVE
CAMPBELL, CA 95008

ISSUE STATUS

DATE	DESCRIPTION	
12/14/15	CD 90%	B.S.
04/11/16	CLIENT REV.	M.H.
05/04/16	CD 100%	D.H.
-	-	-
-	-	-

DRAWN BY: D. HAYES

CHECKED BY: S. SAVIG

APPROVED BY: K. SORENSEN

DATE: 05/04/16

Streamline Engineering
and Design, Inc.

8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

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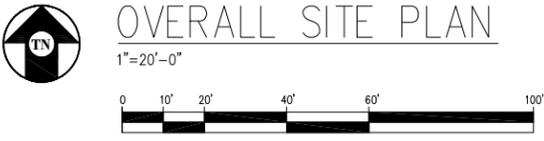
T-Mobile

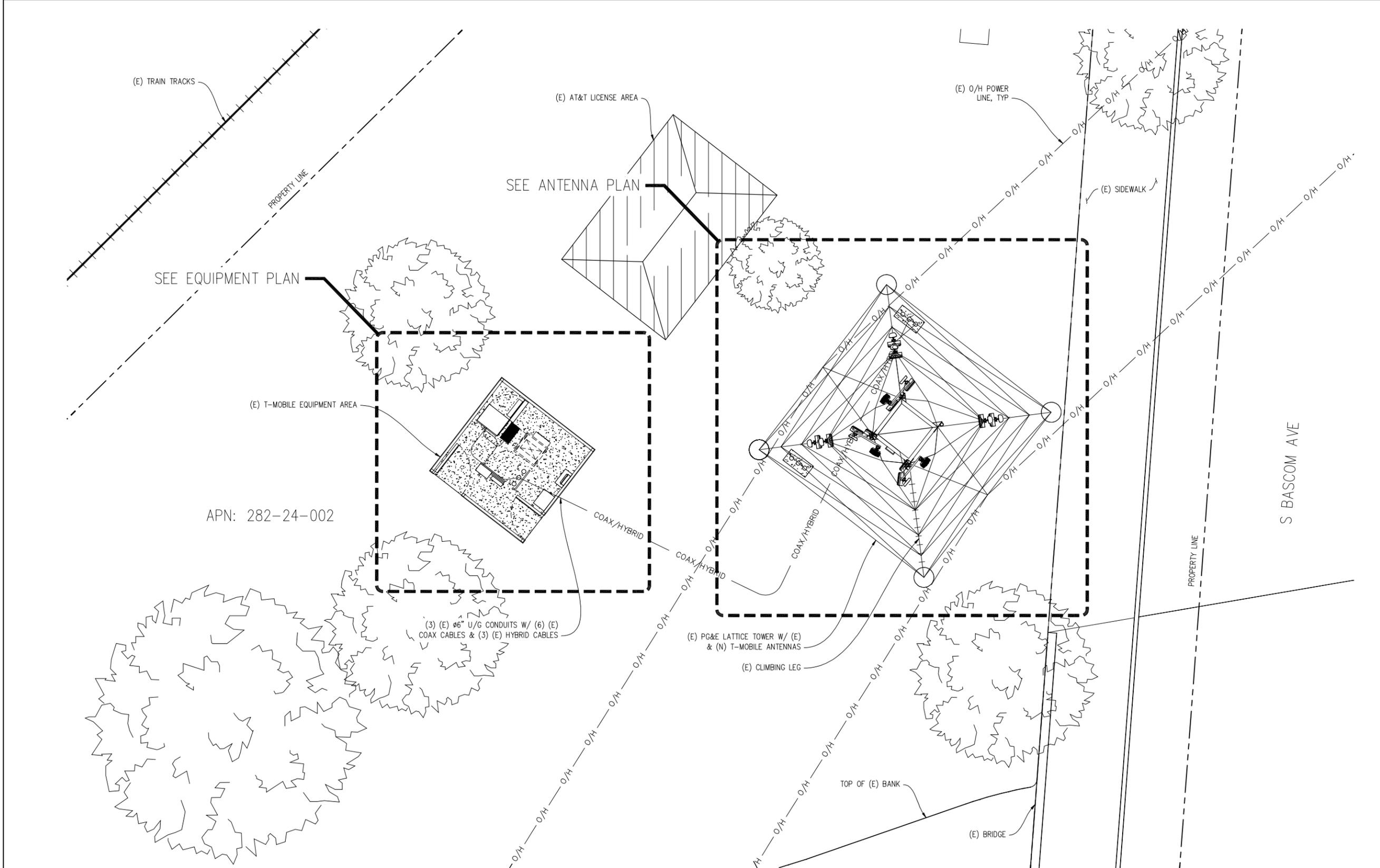
T-MOBILE WEST LLC

1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1





**PG&E
BASCOM
HWY 17**

SF70135M
1469 S BASCOM AVE
CAMPBELL, CA 95008

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T-Mobile
T-MOBILE WEST LLC

1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520



ENLARGED SITE PLAN

1"=5'-0"

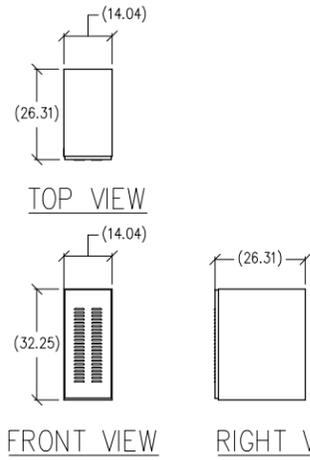


NOTICE

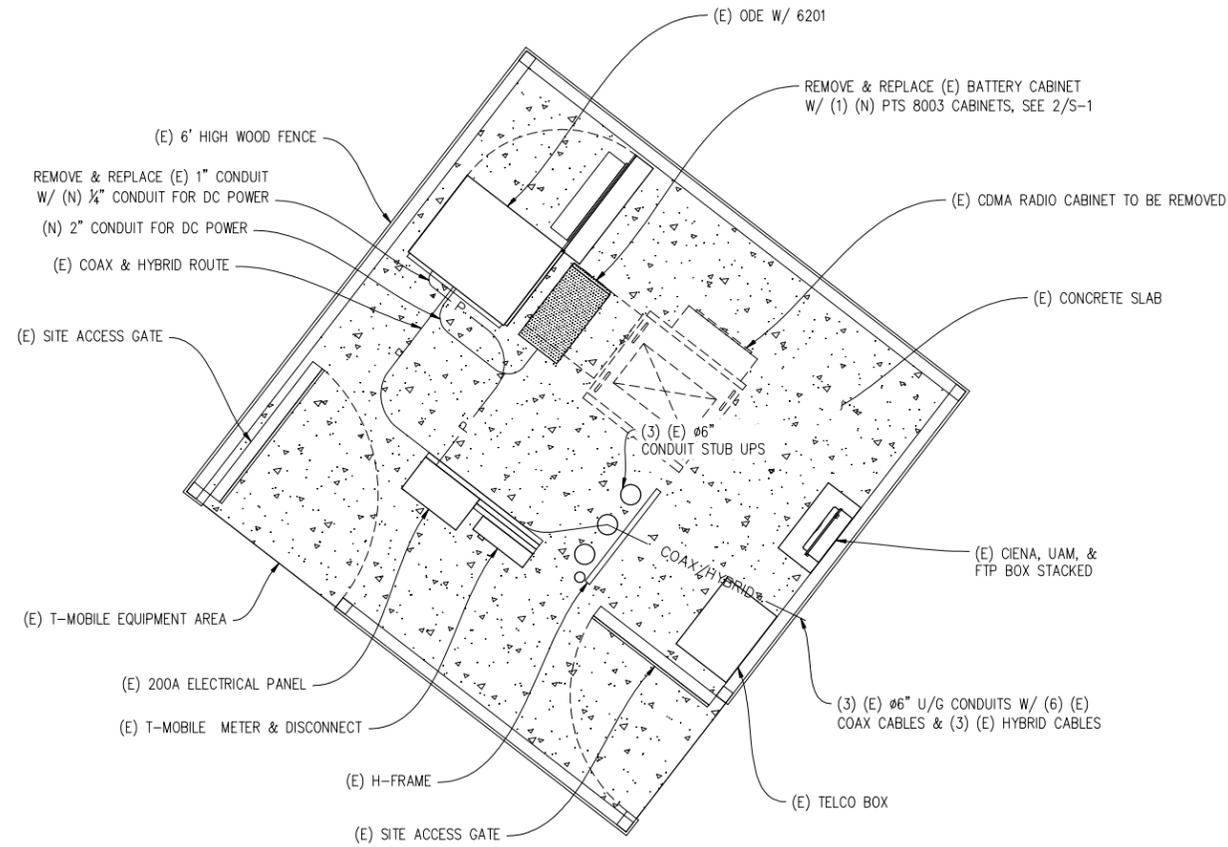
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SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2



① PTS BATTERY CABINET DETAIL
 1/2" = 1'-0" MAX WEIGHT = 565.2 LBS



EQUIPMENT PLAN

1/2" = 1'-0"



**PG&E
 BASCOM
 HWY 17**

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 1469 S BASCOM AVE
 CAMPBELL, CA 95008

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T-Mobile
 T-MOBILE WEST LLC
 1855 GATEWAY BLVD 9TH FLOOR
 CONCORD, CA 94520

SHEET TITLE:
EQUIPMENT PLAN
SHEET NUMBER:
A-3

ISSUE STATUS

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T-MOBILE WEST LLC
T-Mobile

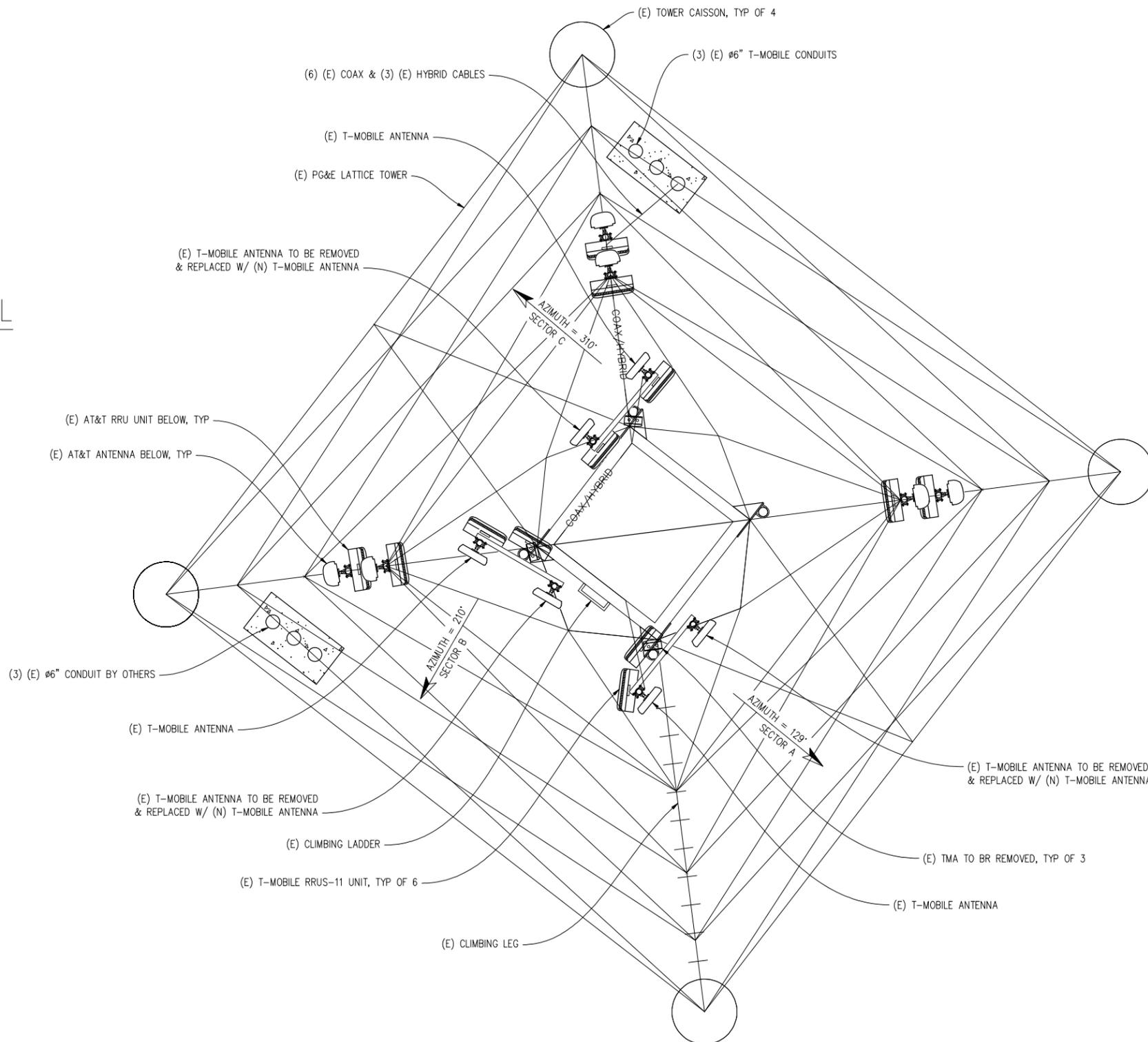
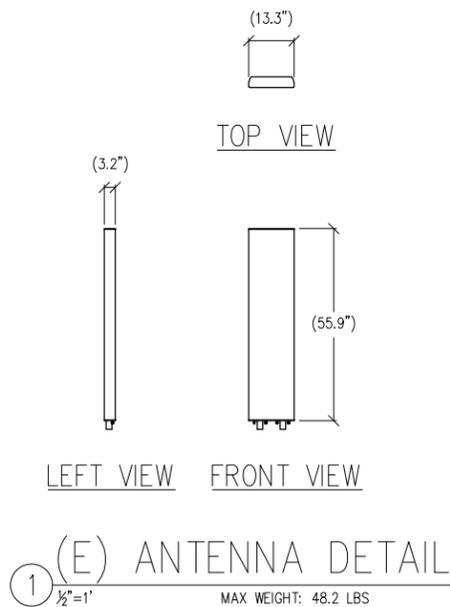
1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:

ANTENNA PLAN
& DETAIL

SHEET NUMBER:

A-4



(E) ANTENNA PLAN
1/2"=1'-0"

NOTICE
EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

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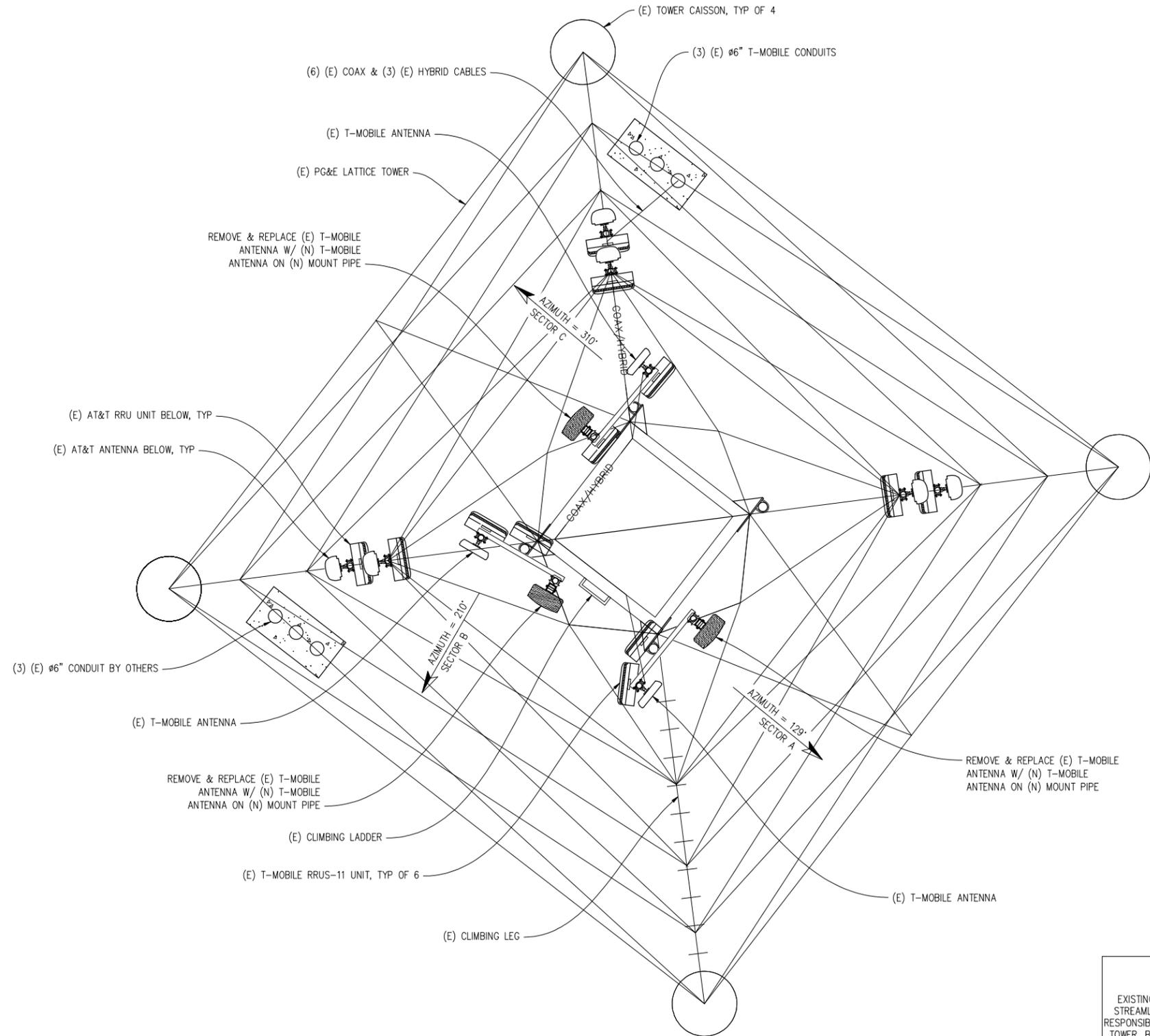
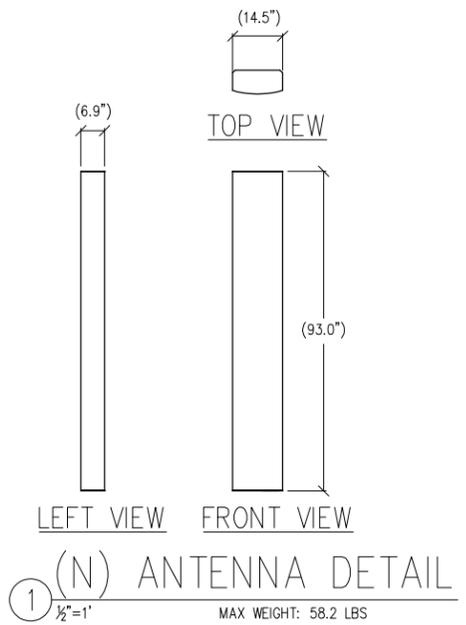
T-Mobile

T-MOBILE WEST LLC

1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:
ANTENNA PLAN
& DETAIL

SHEET NUMBER:
A-5



(N) ANTENNA PLAN
1/2"=1'-0"

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NOTE:
PAINT (E) & (N) ANTENNA TO MATCH (E) TOWER

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Streamline Engineering
and Design, Inc.

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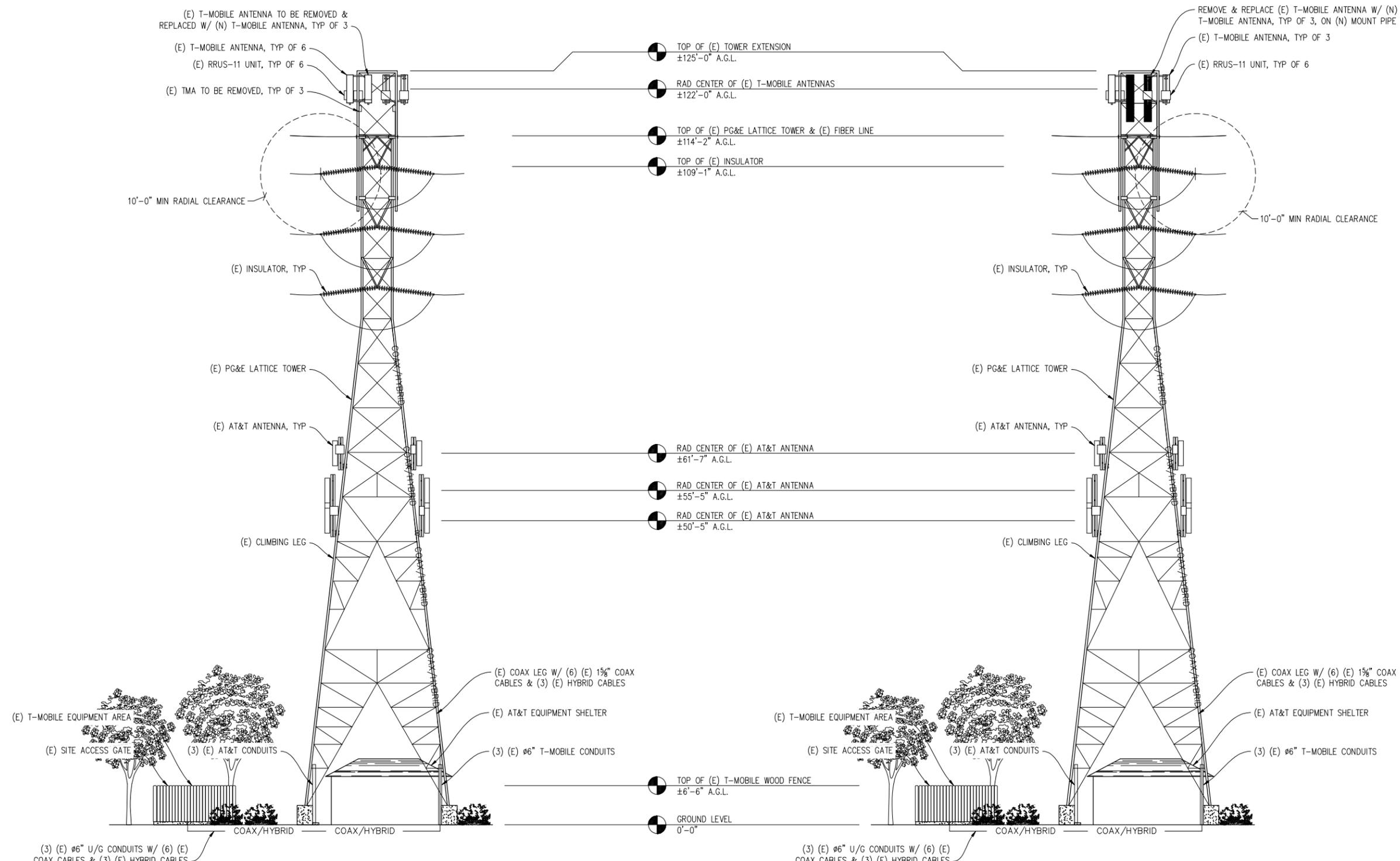
1855 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-6



(E) SOUTHEAST ELEVATION
1/8"=1'-0"

(N) SOUTHEAST ELEVATION
1/8"=1'-0"

NOTICE
EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN, INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:
PAINT (E) & (N) ANTENNAS TO MATCH (E) TOWER

ISSUE STATUS

Δ	DATE	DESCRIPTION	
	12/14/15	CD 90%	B.S.
	04/11/16	CLIENT REV.	M.H.
	05/04/16	CD 100%	D.H.
	-	-	-
	-	-	-
	-	-	-

DRAWN BY: D. HAYES

CHECKED BY: S. SAVIG

APPROVED BY: K. SORENSEN

DATE: 05/04/16

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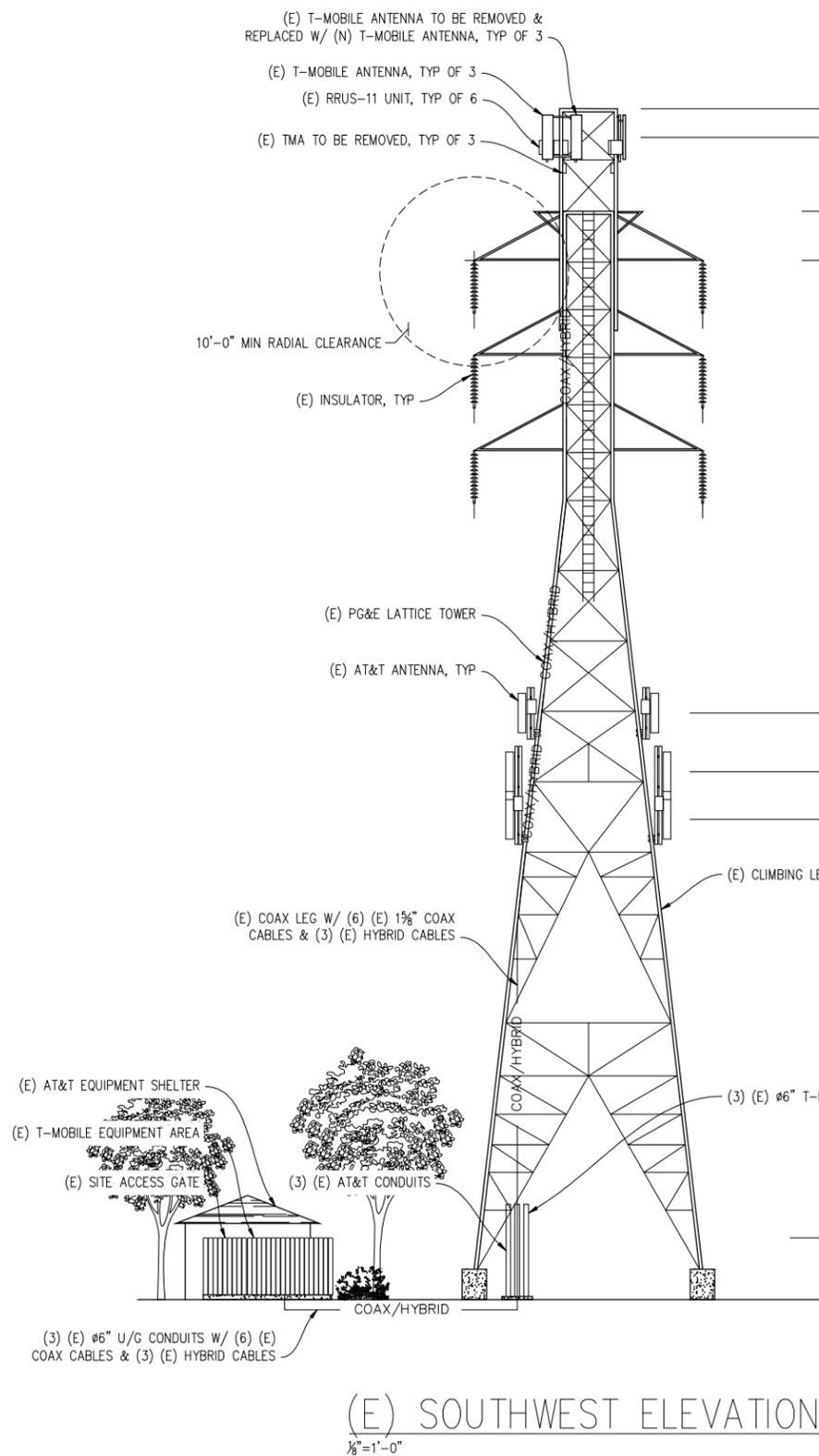
1655 GATEWAY BLVD 9TH FLOOR
CONCORD, CA 94520

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-7



- TOP OF (E) TOWER EXTENSION
±125'-0" A.G.L.
- RAD CENTER OF (E) T-MOBILE ANTENNAS
±122'-0" A.G.L.
- TOP OF (E) PG&E LATTICE TOWER & FIBER LINE
±114'-2" A.G.L.
- TOP OF (E) INSULATOR
±109'-1" A.G.L.

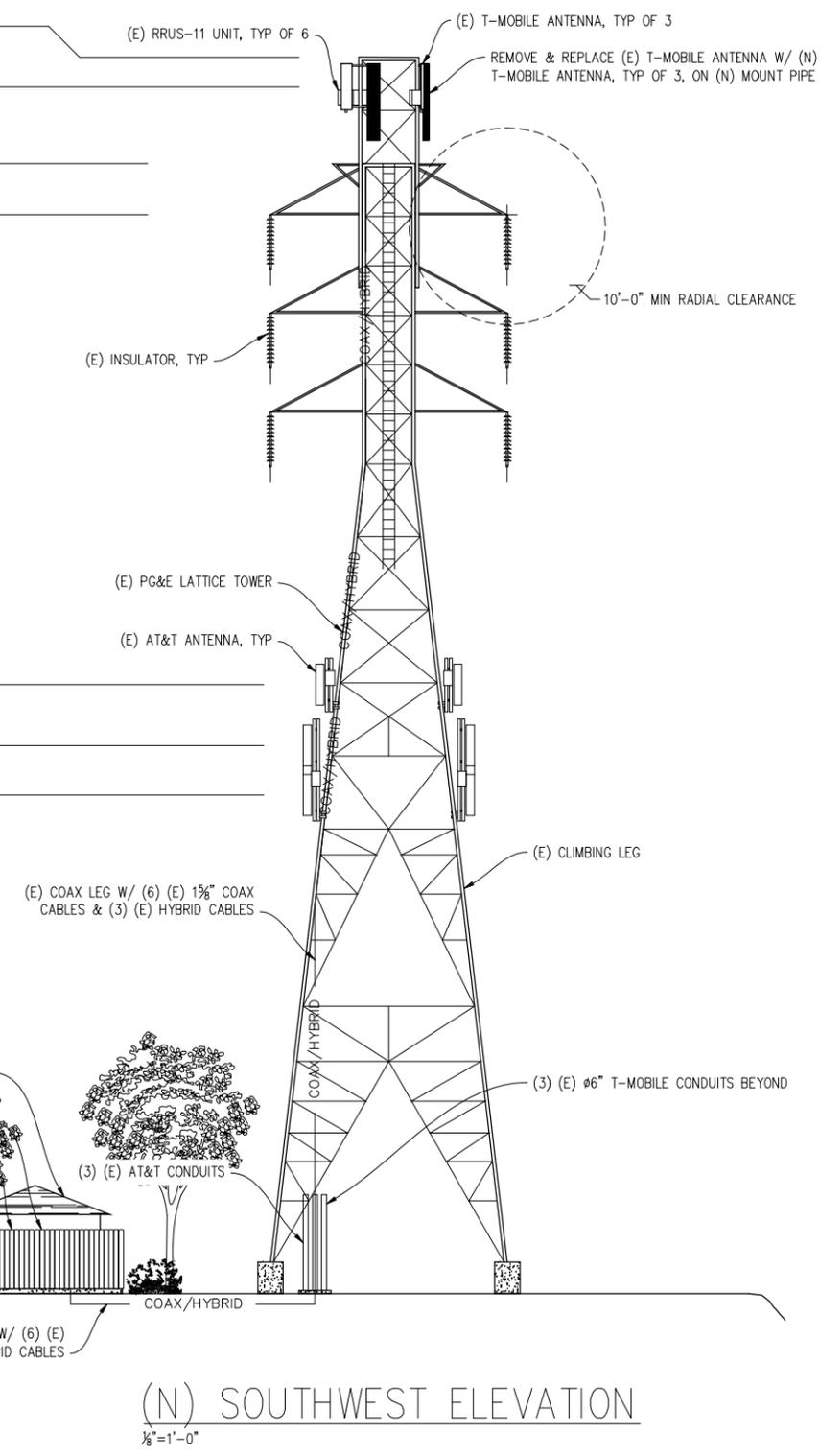
- RAD CENTER OF (E) AT&T ANTENNA
±61'-7" A.G.L.
- RAD CENTER OF (E) AT&T ANTENNA
±55'-5" A.G.L.
- RAD CENTER OF (E) AT&T ANTENNA
±50'-5" A.G.L.

- TOP OF (E) T-MOBILE WOOD FENCE
±6'-6" A.G.L.
- GROUND LEVEL
0'-0"

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NOTE:
PAINT (E) & (N) ANTENNAS TO MATCH (E) TOWER



CONSTRUCTION NOTES

- EXISTING BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OR ORDERING OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER OF RECORD FOR RESOLUTION PRIOR TO PROCEEDING. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT ALTER, DAMAGE OR REMOVE ANY PART OF THE EXISTING STRUCTURE UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS.
- THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITION, ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE 2013 CBC. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2013 CBC, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PREPARED AND SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO PROCEEDING WITH THE WORK.
- ALL WORK AND MATERIALS SHOWN ARE NEW UNLESS INDICATED AS EXISTING (E).
- IT MAY BE NECESSARY TO REMOVE ARCHITECTURAL FINISHES, PLUMBING PIPES AND FIXTURES, ELECTRICAL CONDUIT, FIXTURES, PANELS, BOXES, TELEPHONE OR FIRE ALARM WIRING AND FIXTURES OR OTHER NON-STRUCTURAL ITEMS TO INSTALL STRUCTURAL WORK AND MATERIALS SHOWN ON THESE DRAWINGS. SUCH ITEMS SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO MATCH PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTORS EXPENSE.
- ALL WEATHER PROOFING, INCLUDING BUT NOT LIMITED TO TORCH DOWN, CAULKING, Z-FLASHING OR ANY OTHER MATERIAL THAT MAY BE ALTERED DURING INSTALLATION SHALL BE REPAIRED REPLACED AND/OR MODIFIED TO ENSURE THE BUILDING AT THE INSTALLATION SITE IS WEATHER PROOF.
- ANY PROPOSED SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, ANCHOR TYPES, OR DETAILING INDICATED IN THESE DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ORDERING MATERIALS. SUCH REVIEW SHALL BE BILLED ON A TIME AND MATERIALS BASIS TO THE CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.

STRUCTURAL STEEL NOTES

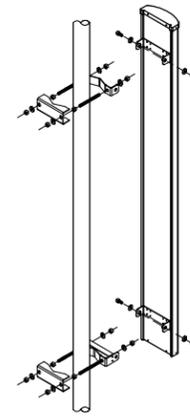
- ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2013 CBC.
- ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) & WT (TEE) SHAPES TO BE ASTM A992 ($F_y=50,000$ PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE B ($F_y=46,000$ PSI). ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR S, GRADE B ($F_y=35,000$ PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
- ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC & AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
- ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
- BOLTS SHALL BE GALVANIZED ASTM A325 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS. SPECIAL INSPECTION NOT REQUIRED U.O.N.
- THREADED RODS SHALL BE ASTM F593 CW 304/316 STAINLESS STEEL. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.
- ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HDG WASHERS.
- ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED PER PLAN.
- ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
- AT ALL WEB STIFFENER PLATES LEAVE 3/4"Ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.

CONCRETE CORE/DRILLING NOTES

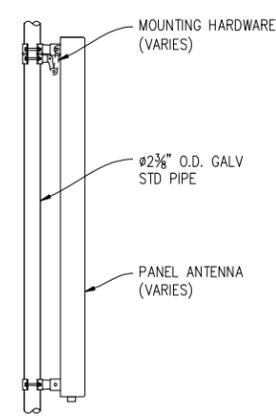
- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED OR POST-TENSIONED REINFORCED CONCRETE (MILD REINFORCED), USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING ANCHORS INTO (E) PRE-STRESSED OR POST-TENSIONED CONCRETE LOCATE THE PRE-STRESSED OR POST-TENSIONED TENDONS BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, AT POINT OF PENETRATION, PRIOR TO INSTALLATION. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- WHEN CORING EXISTING REINFORCED CONCRETE OF ANY CONSTRUCTION TYPE (PRE-STRESSED, POST-TENSIONED OR MILD REINFORCED), LOCATE THE EXISTING REINFORCING BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, PRIOR TO CORING. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING ANY REINFORCING DURING CORING. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE CORE. THE MAXIMUM SIZE OF ANY CORE IS TO BE 6" DIAMETER AND THE MINIMUM SPACING BETWEEN CORES IS TO BE TWICE THE CORE DIAMETER (I.E. 12" SPACING FOR A 6" DIAMETER CORE).
- INSPECTOR IS TO BE PRESENT DURING ALL CORE DRILLING OPERATIONS TO VERIFY THAT NO REINFORCING CABLES, TENDONS, OR REBAR HAVE BEEN CUT. (SEE NOTE 5 BELOW)
- THE INSPECTOR SHALL SUBMIT A WRITTEN REPORT TO THE OWNER.
- THE INSPECTIONS INDICATED IN NOTES 3 AND 4 ABOVE ARE NOT REQUIRED FOR A CONCRETE FILL OVER METAL DECK APPLICATION WHERE INDICATED ON THE CONSTRUCTION DRAWINGS.

EXPANSION & EPOXY ANCHORS

- EXPANSION AND EPOXY ANCHORS SHALL BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE (CBC).
- ALL ANCHORS PROVIDED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC), AND SHALL BE EVALUATED FOR 2012 IBC MINIMUM REQUIREMENTS IN THE ICC REPORT
- CONCRETE EXPANSION ANCHORS SHALL BE KWIK BOLT TZ BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-1917 OR APPROVED EQUIVALENT.
- CMU EXPANSION ANCHORS SHALL BE KWIK BOLT 3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-1385 OR APPROVED EQUIVALENT. ANCHORS SHALL BE INSTALLED A MINIMUM OF 1 3/8" FROM ANY VERTICAL MORTAR JOINT TYPICAL. ANCHORS TO BE SPACED 8 INCHES ON CENTER MINIMUM AND LIMITED TO ONE ANCHOR PER CELL.
- CONCRETE ADHESIVE EPOXY ANCHORS SHALL BE HIT RE-500SD BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-2322 OR APPROVED EQUIVALENT.
- GROUT FILLED CMU ADHESIVE EPOXY ANCHORS SHALL BE HIT RE-500SD BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-2322 OR APPROVED EQUIVALENT.
- INSTALL EXPANSION AND EPOXY ANCHORS WITH SPECIAL INSPECTION IN ACCORDANCE WITH THE 2013 CBC, CHAPTER 17, AND ALL REQUIREMENTS OF THE MANUFACTURER, THE MANUFACTURER'S ICC APPROVAL AND THESE DRAWINGS.
- EXPANSION ANCHORS SHALL BE 304/316 STAINLESS STEEL U.O.N.. EPOXY ANCHOR THREADED ROD SHALL BE ASTM F593 CW 304/316 STAINLESS STEEL U.O.N.
- LOCATE AND AVOID REINFORCEMENT AND OTHER EMBEDDED ITEMS WHEN INSTALLING ANCHORS, TYPICAL. SEE CONCRETE CORE DRILLING NOTES FOR ADDITIONAL INFORMATION.
- THE SPECIAL INSPECTOR MUST MAKE PERIODIC INSPECTIONS DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE AND DIMENSIONS, CONCRETE MEMBER THICKNESS, ANCHOR SPACING, EDGE DISTANCES, TIGHTENING TORQUE, HOLE DIAMETER, DEPTH AND CLEANLINESS, ANCHOR EMBEDMENT AND ADHERENCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE NOTE 10 BELOW FOR FREQUENCY OF INSPECTIONS.
- 50% OF ALL ANCHORS, INCLUDING ALTERNATE BOLTS IN A GROUP OF ANCHORS, SHALL BE INSPECTED PER NOTE 10 ABOVE AND TORQUE TESTED PER THE ICC REPORT TEST VALUES NOTED BELOW:
 $3/8"$ =25 FT LB $1/2"$ =40 FT LB $5/8"$ =60 FT LB $3/4"$ =110 FT LB

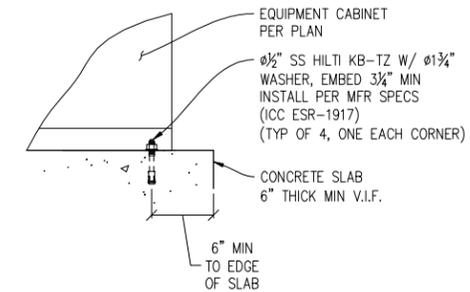


ISO VIEW



SIDE VIEW

1 ANTENNA MOUNT DETAIL 1"=1'-0"



2 CABINET TO CONC 1 1/2"=1'-0"

**PG&E
BASCOM
HWY 17**

SF70135M
1469 S BASCOM AVE
CAMPBELL, CA 95008

ISSUE STATUS

Δ	DATE	DESCRIPTION	
	12/14/15	CD 90%	B.S.
	04/11/16	CLIENT REV.	M.H.
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DRAWN BY: D. HAYES

CHECKED BY: S. SAVIG

APPROVED BY: K. SORENSEN

DATE: 05/04/16

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Civil Design, Inc.

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T-Mobile WEST LLC

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SHEET TITLE:
STRUCTURAL NOTES & DETAILS
SHEET NUMBER:
S-1

ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE CEC AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER PLAN SPECIFICATIONS.
- ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
- ELECTRICAL WIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THW-2, INSULATION RATED FOR 90°C DRY OR 70°C WET.
- ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
- ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
- A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
- WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE AND HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.
- WHERE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'TS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING MEANS, AND AIC REQ'T, AND SHALL OBTAIN CLARIFICATION FROM THE PROJECT ENGINEER ON ANY DEVIATIONS FOUND IN THESE PLANS.
- WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2-WIRE, SHALL COMPLY WITH ARTICLE 720, AS FOLLOWS:
 - POWER PLANT SHALL BE SUPPLIED BY THE WIRELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.
 - CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN. CONDUCTORS FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.
 - THERE ARE NO DC RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT. ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LUG TAP OR SOCKET TERMINATION ON AN INTEGRATED DC CIRCUIT BREAKER AT AN INDIVIDUAL RECTIFIER MODULE AND TERMINATE AT THE SPECIALIZED LUG ON THE RESPECTIVE APPLIANCE AS A SINGLE RUN OF WIRE WITHOUT SPLICES. ALL DC WIRING SHALL BE LABELLED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC VOLTAGE.
 - ALL CABLING SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.

GROUNDING NOTES

- GROUNDING SHALL COMPLY WITH CEC ARTICLE 250.
- USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- EXPOSED GROUNDING CONNECTIONS SHALL BE MADE WITH BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELDS AS SPECIFIED IN THE PLANS.
- CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE.
- APPLY BUTYL & ELECTRICAL TAPE OVER COLD SHRINK AT ALL LOCATIONS FOR WEATHER PROOFING OVER COAX GROUND KITS.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS WITH STAR WASHERS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLES. ALWAYS MAKE A 12" RADIUS BEND, HOWEVER, #6 WIRE CAN BE BENT AT A 6" RADIUS WHEN NECESSARY.
- THE SYSTEM GROUND RESISTANCE MUST BE 10 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:
 - CONNECT TO EXISTING GROUNDING SYSTEMS
 - CONNECT TO BUILDING STEEL COLUMNS
 - INSTALL A NEW GROUNDING SYSTEM

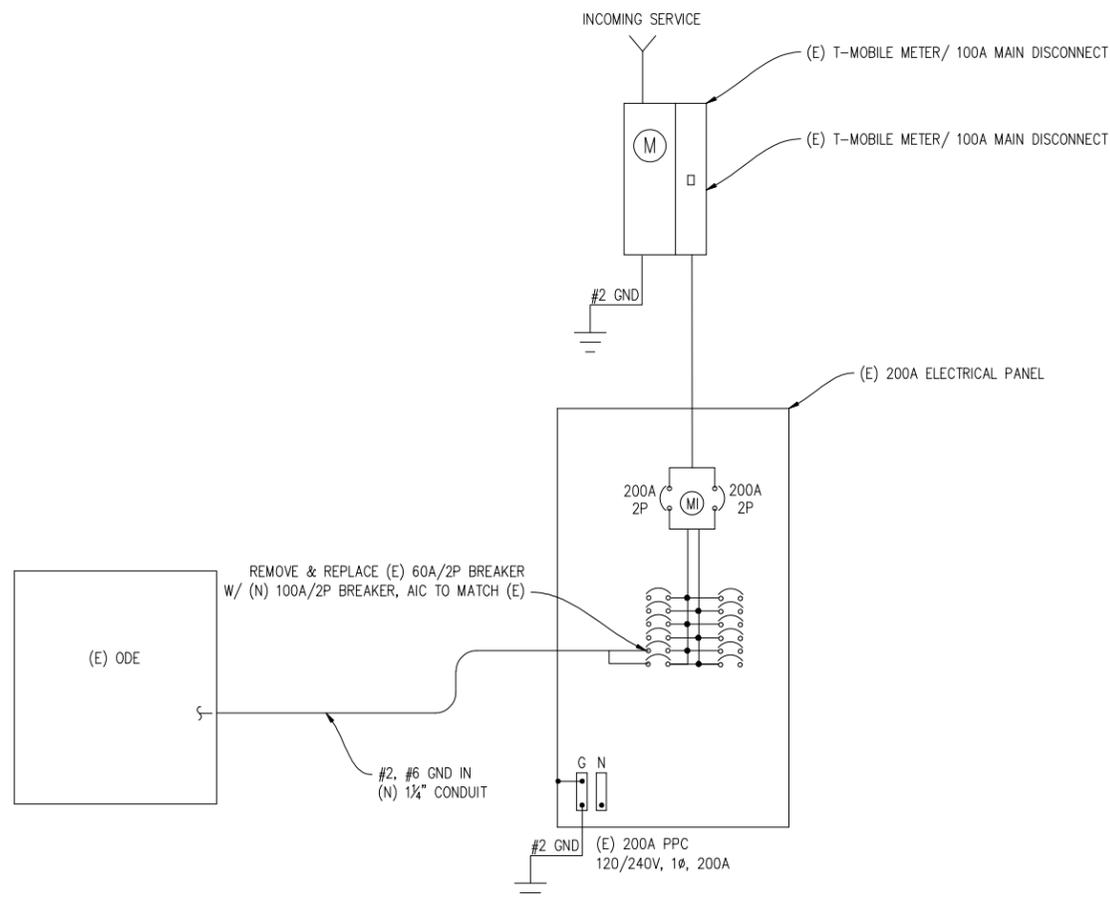
UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR CONSTRUCTION MANAGER.

ELECTRIC LEGEND

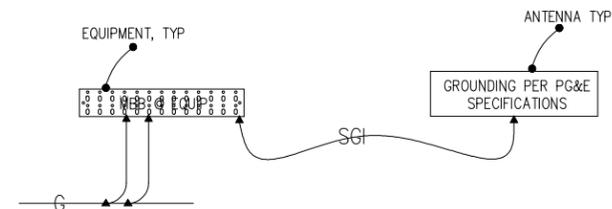
-  MECHANICAL INTERLINK
-  METER
-  CIRCUIT BREAKER
-  SERVICE GROUND
-  WIRED CONNECTION

GROUND LEGEND

-  MECHANICAL CONNECTION
-  EXOTHERMIC CADWELD
-  TYP #2 TINNED BCW UNDERGROUND GND RING @ 18" MIN BELOW FINISH GRADE



SINGLE LINE DIAGRAM



GROUNDING SINGLE LINE DIAGRAM

PANEL SCHEDULE

NAMEPLATE : PANEL A		SC LEVEL 10,000				VOLTS: 120V/240V, 1Ø			
LOCATION : OUTSIDE						BUSS AMPS: 200A			
MOUNTING : H-FRAME						MAIN CB: 200A			
#A	#B	LOAD DESCRIPTION	BKR AMP/POLE	CIRCUIT NO	BKR AMP/POLE	LOAD DESCRIPTION	#A	#B	LOAD VA
60		TVSS	60/2	1 2	80/2	SPARE			0
	60	" "	" "	3 4	" "	" "			0
180		LIGHT	15/1	5 6	20/1	GFI			300
	180	LIGHT	15/1	7 8	" "	BLANK			0
3149		(E) BTS ODE	100/2	9 10	" "	" "			0
	3149	" "	" "	11 12	" "	" "			0
3389	3389	PHASE TOTALS				PHASE TOTALS	300	0	
TOTAL VA =	7078	TOTAL AMPS =		29					

NOTE: EXISTING LOADS HAVE NOT BEEN FIELD VERIFIED. THEY ARE APPROXIMATE BASED ON EXISTING CB SIZES. CONTACT THE ENGINEER IF THE LOADS DIFFER FROM THAT WHICH IS SHOWN ON THE PLANS

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T-Mobile

T-MOBILE WEST LLC

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SHEET TITLE:

ELECTRICAL &
GROUNDING PLAN

SHEET NUMBER:

E-1