

PUBLIC IMPROVEMENT CONSTRUCTION PLANS  
SOUTH INTERSECTION OF TRAILBLAZER WAY AND BELLAVISTA ST.  
IN THE MEADOWS FILING 16 PARCELS 1, 2, 3 & 4  
A PARCEL OF LAND BEING A PORTION OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN,  
TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO  
TOWN OF CASTLE ROCK PROJECT NO. CD21-0032

SITE DETAILS



TOWN PROJECT #: CD25-0070  
2681 TRAILBLAZER WAY  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

VERIZON PROJECT NAME: ALCAZAR SC

LATITUDE: N 39° 23' 29.98" (NAD '83) \*  
39.391664°  
LONGITUDE: W 104° 53' 49.83" (NAD '83) \*  
-104.897175°  
GROUND ELEVATION: 6,310' (NAVD '88) \*  
\*INFORMATION PROVIDED BY 1-A CERTIFICATION LETTER  
BY RYAN L. FIDLER, PLS DATED 09-28-23

SITE COORDINATES

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

|                                                            |                                          |
|------------------------------------------------------------|------------------------------------------|
| 1. INTERNATIONAL BUILDING CODE (2018 EDITION) w/AMENDMENTS | 4. NATIONAL ELECTRIC CODE (2023 EDITION) |
| 2. INTERNATIONAL CODE COUNCIL                              | 5. LOCAL BUILDING CODE                   |
| 3. ANSI/TIA/EIA-222-H                                      |                                          |

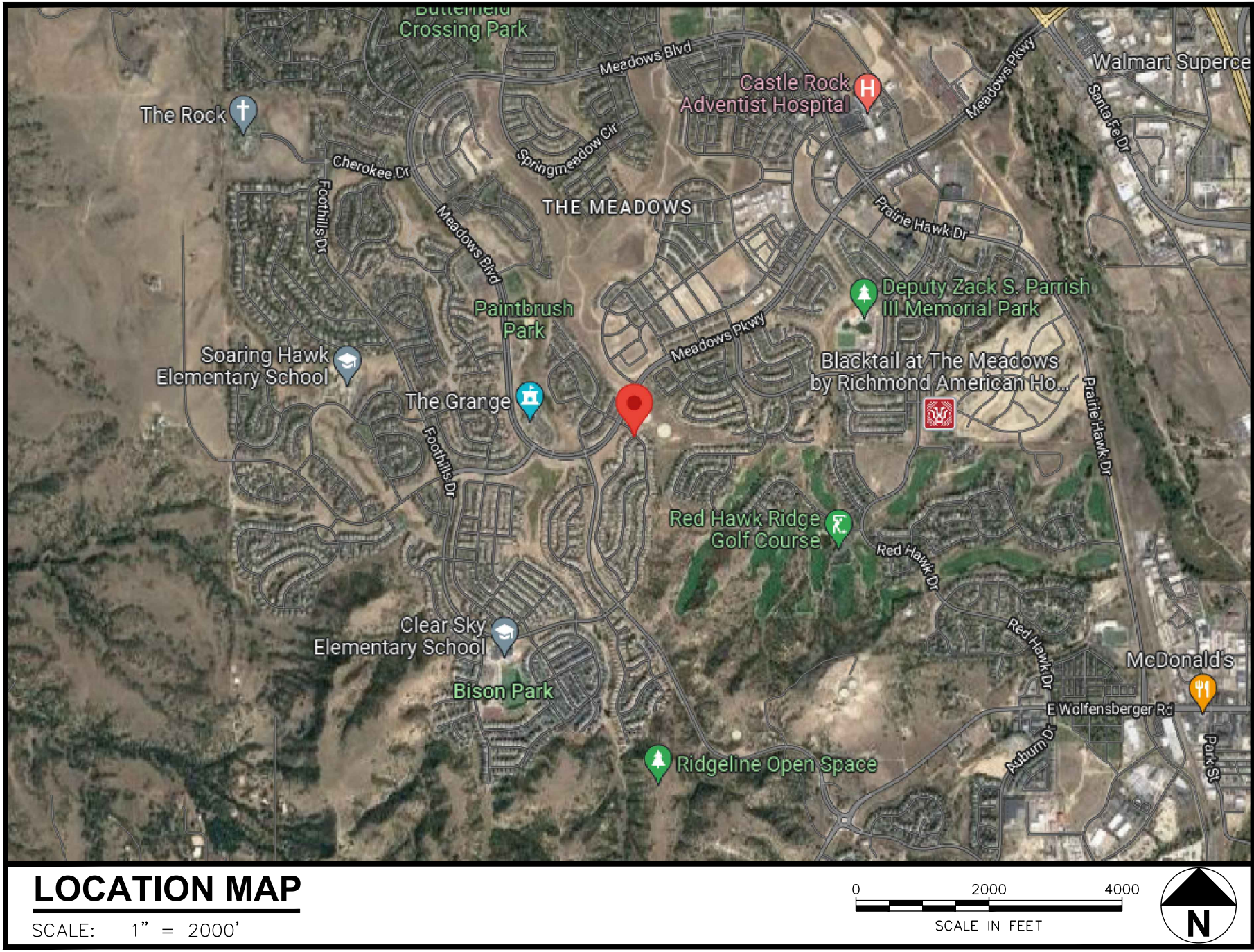
CODE COMPLIANCE



SITE PHOTO

POWER COMPANY: CORE ELECTRIC COOPERATIVE  
PHONE: (800) 332-9540  
ADDRESS: 5496 N US HWY 85  
CITY, STATE, ZIP: SEDALIA, CO 80135  
FIBER COMPANY: ONE FIBER PER FUZE  
ADDRESS: N/A  
CONTACT: N/A  
PHONE: N/A

UTILITY INFORMATION



FROM VERIZON OFFICES: TURN RIGHT ON PARK MEADOWS DR AND CONTINUE FOR 1.3 MI. TURN LEFT ONTO LINCOLN AVE AND RIGHT ONTO I-25S. CONTINUE FOR 7.1 MI AND TAKE EXIT 185 TOWARD N. MEADOWS DR. SLIGHT RIGHT ONTO CASTLE ROCK PKWY. CONTINUE ON N MEADOWS DR FOR 1.0 MI. TURN RIGHT ONTO MEADOWS BLVD AND CONTINUE FOR 2.2 MI. TURN RIGHT ONTO TRAILBLAZER WAY AND THE DESTINATION WILL BE ON THE RIGHT.

DRIVING DIRECTIONS

VERIZON SITE NAME: ALCAZAR SC  
STRUCTURE TYPE: 30'-0" MONOPOLE  
ZONING JURISDICTION: TOWN OF CASTLE ROCK  
AREA OF CONSTRUCTION: 49± SQ. FT. (LEASE AREA)  
ZONING: MEADOWS FOURTH AMENDMENT - R-SF  
PROJECT DESCRIPTION: PROPOSED SMALL CELL FACILITY  
SITE ADDRESS: 2681 TRAILBLAZER WAY (E911 ADDRESS TBD) CASTLE ROCK, CO 80109

PROJECT INFORMATION

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INDEX OF SHEETS

CONTACT INFORMATION

PROPOSED SMALL CELL LOCATED IN CASTLE ROCK:  
• ANTENNA MOUNTED ON INTEGRATED EQUIPMENT POLE IN THE RIGHT OF WAY (R.O.W.)  
• ASSOCIATED UTILITIES  
• NEW LIGHT FIXTURE TO MATCH EXISTING LIGHT HEIGHTS IN THE AREA

PROJECT DESCRIPTION

GENERAL NOTES:

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF CASTLE ROCK (TCR) MUNICIPAL CODE, TCR TECHNICAL MANUALS, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE TECHNICAL MANUAL OR ANY APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
- THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOURS NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS/TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING OR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TCR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR OR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY CR WATER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE CRITERIA AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ONSITE AT ALL TIMES.
- IF THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE TCR CONSTRUCTION INSPECTOR IMMEDIATELY.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (TOWN, COUNTY OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR AS DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE TCR CONSTRUCTION INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- ALL INITIAL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER THE TEMPORARY EROSION & SEDIMENT CONTROL (TESC) PLAN PRIOR TO ANY EARTH-DISTURBING ACTIVITY. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGES.
- THE CONTRACTOR SHALL PROVIDE AN ACTION PLAN IMMEDIATELY FOLLOWING THE PRE-CONSTRUCTION MEETING DETAILING SUFFICIENT MEANS TO MITIGATE DUST ON SITE DURING OVERLOT GRADING, ROCK CRUSHING OR OTHER EARTHWORK ACTIVITIES. IF THE CONTRACTOR FAILS TO CONTROL DUST, ALL EARTH DISTURBING ACTIVITIES SHALL BE STOPPED UNTIL SUFFICIENT MEASURES ARE TAKEN TO THE TOWN'S SATISFACTION. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO AIR QUALITY REGULATIONS FOR LAND DEVELOPMENT, AS REQUIRED.
- THE CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO PERMIT FOR STORM WATER DISCHARGE, THE STORM WATER MANAGEMENT PLAN, AND THE EROSION CONTROL PLAN.
- ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO ANY OTHER EARTH-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREA IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
- THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS UNLESS SPECIFICALLY APPROVED BY THE TCR CONSTRUCTION INSPECTOR AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE PUBLIC WORKS DIRECTOR.
- NO SOLID OBJECT (EXCLUDING FIRE HYDRANTS AND TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNS) EXCEEDING THIRTY (30) INCHES IN HEIGHT ABOVE THE FLOWLINE ELEVATION OF THE ADJACENT STREET, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITY CABINETS, WALLS, FENCES, LANDSCAPE PLANTINGS, CROPS, CUT SLOPES, AND BERMS, SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.

NOTES

- THIS PROPERTY IS LOCATED WITHIN ZONE X AS PER FEMA FIRM PANEL 080350C0301G DATED 03/16/2016.
- BASIS OF THE BEARINGS AND COORDINATES IS THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983 [NAD 83(2011) EPOCH:2011] BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON 08/06/2019, TIED TO THE NATIONAL SPATIAL REFERENCE SYSTEM AND EXPRESSED IN US SURVEY FEET. ASSUMED BASIS OF BEARINGS IS THE WEST LINE OF TRACT B OF SAID PLUM CREEK FAIRWAY 13, SUBDIVISION FILING NO. 1. ASSUMED BEARING IS S01°24'20"E (M), S01°00'33"E (R1), AS SHOWN HEREON. VERTICAL DATA BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND EXPRESSED IN US SURVEY FEET.

STREET CONSTRUCTION NOTES:

- ALL STREET CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE STREET CONSTRUCTION NOTES LISTED HERE.
  - A PAVING SECTION DESIGN, SIGNED AND SEALED BY A COLORADO REGISTERED PROFESSIONAL ENGINEER, MUST BE SUBMITTED TO THE TCR PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO ANY STREET CONSTRUCTION ACTIVITY (FULL-DEPTH ASPHALT SECTIONS ARE NOT PERMITTED AT A DEPTH GREATER THAN 8" ASPHALT). THE JOB MIX SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF ANY ASPHALT.
  - WHERE PROPOSED PAVING ADJOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT A MINIMUM DISTANCE OF 12" FROM THE EXISTING EDGE TO CREATE A CLEAN CONSTRUCTION JOINT. THE DEVELOPER SHALL BE REQUIRED TO REMOVE EXISTING PAVEMENT TO A DISTANCE WHERE A CLEAN CONSTRUCTION JOINT CAN BE MADE.
  - STREET SUBGRADES SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RE-COMPACTED PRIOR TO SUB-BASE INSTALLATION. NO BASE MATERIAL SHALL BE LAID UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
  - VALVE BOXES ARE TO BE BROUGHT UP TO GRADE AT THE TIME OF PAVEMENT PLACEMENT OR OVERLAY. VALVE BOX ADJUSTING RINGS ARE NOT ALLOWED.
- ALL SIGNAGE AND STRIPING IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE SIGNAGE AND STRIPING NOTES LISTED HERE.
- ALL PAINT SHALL BE 15 MIL THICK UPON INSTALLATION AND 8 MIL THICK WHEN DRY.
  - ALL PERMANENT LONGITUDINAL PAVEMENT STRIPING ON ASPHALT SURFACES (CENTERLINES, LANE LINES, BAY LINES, ETC.) SHALL BE INSTALLED USING AN APPROVED REFLECTIVE TRAFFIC PAINT OR PAVEMENT MARKING TAPE. REFLECTIVE BEADS SHALL BE APPLIED IN ACCORDANCE WITH CDOTS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUFACTURER'S REQUIREMENTS. WHEN TAPE IS USED ON AN ASPHALT STREET, IT SHALL BE "ROLLED" INTO THE FINAL LIFT. ON CONCRETE SURFACES TAPE SHALL BE UTILIZED WITH A CONTRASTING BLACK EDGE AND GROOVED INTO THE PAVEMENT.
  - THERMO-PLASTIC APPLICATIONS SHALL BE AS SPECIFIED IN THE PLANS AND/OR PER TOWN CRITERIA.
  - ALL SURFACES THAT ACCEPT PAINT/THERMO-PLASTIC STRIPING OR PRE-FORMED MARKINGS SHALL BE FIRST SANDBLASTED AND THOROUGHLY CLEANED PRIOR TO INSTALLATION OF STRIPING OR MARKINGS.
  - ALL ARROW MARKINGS SHALL BE PRE-FORMED TAPE, THERMO-PLASTIC OR EPOXY-PAINTED.
  - STOP BARS SHALL BE 90 MIL THERMO-PLASTIC.
  - ALL ROADWAY SIGNAGE SHALL CONFORM TO THE MUTCD AND/OR THE TOWN'S CRITERIA.
  - ALL SIGNPOSTS SHALL UTILIZE BREAKAWAY ASSEMBLIES AND FASTENERS, PER THE TCR STANDARD DETAIL.

FIRE NOTES:

- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN DRIVE LANES FOR EMERGENCY VEHICLE INGRESS AND EGRESS, INCLUDING SNOW REMOVAL.
- EMERGENCY VEHICLE ACCESS ROAD IS REQUIRED TO ALLOW ACCESS WITHIN 150' OF ALL EXTERIOR OF THE BUILDING BY AN APPROVED ROUTE.
- FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRES APPARATUS AND SHALL BE PROVIDED WITH A SURFACE SO AS TO PROVIDE WEATHER DRIVING CAPABILITIES. ACCESS ROAD SHALL BE EITHER CONCRETE, ASPHALT OR OTHER APPROVED ALTERNATIVE MATERIAL ACCOMPANIED WITH AN ENGINEER'S STAMP STATING THE MATERIAL WILL SUPPORT A 75,000 POUND IMPOSED LOAD.
- FIRE HYDRANT(S) ARE REQUIRED TO BE INSTALLED AND MADE SERVICEABLE PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ONTO THE SITE AND DURING THE TIME OF VERTICAL CONSTRUCTION.
- NO PARKING FIRE LANE SIGNS ARE REQUIRED IN AREAS THAT MEET THE FOLLOWING CRITERIA AND IN AREAS DESIGNATED BY THE FIRE PREVENTION BUREAU. SIGNS SHALL BE POSTED ON BOTH SIDES OF FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS AND DRIVEWAYS LESS THAN 26 FEET WIDE. SIGNS SHALL BE POSTED ON ONE SIDE ONLY OF FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS BETWEEN 26 FEET WIDE AND 32 FEET WIDE. NO SIGNAGE IS REQUIRED FOR ACCESS ROADWAY FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS EXCEEDING 32 FEET WIDE.
- WHEN FIRE APPARATUS ACCESS ROADS OR A WATER SUPPLY FOR FIRE PROTECTION IS REQUIRED TO BE INSTALLED, SUCH PROTECTION SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ONTO THE SITE AND THE BUILDING CONSTRUCTION GOING VERTICAL.
- TRACER WIRE SHALL BE INSTALLED ON ALL FIRE SERVICE LINES AND AT ALL FIRE HYDRANTS. REFER TO TOWN OF CASTLE ROCK STANDARD DETAILS, THE WATER LINE CONSTRUCTION NOTES, AND THE TRACER WIRE INSTALLATION NOTES LISTED HEREIN.

PLANS PREPARED FOR:



10000 PARK MEADOWS DR, SUITE 300  
LONE TREE, CO 80124  
(303) 489-7836

PLANS PREPARED BY:



TEP OPCO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 666-9914

PROJECT INFORMATION:

ALCAZAR SC

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS   |                 |
|---------------|-----------------|
| I             | 12-16-25        |
| O             | 10-03-25        |
| D             | 07-22-25        |
| C             | 05-02-25        |
| B             | 11-03-23        |
| A             | 09-20-23        |
| REV           | DATE            |
| ISSUED FOR:   |                 |
| DRAWN BY: DRB | CHECKED BY: EGG |

These plans have been reviewed by the Town of Castle Rock for concept only. The review does not imply responsibility by the Town of Castle Rock for the design or construction of the project. The Engineer, or the Town of Castle Rock for the design or construction of the project, shall be responsible for the design and construction of the project. The Town of Castle Rock shall be responsible for the design and construction of the project. The Town of Castle Rock shall be responsible for the design and construction of the project.

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



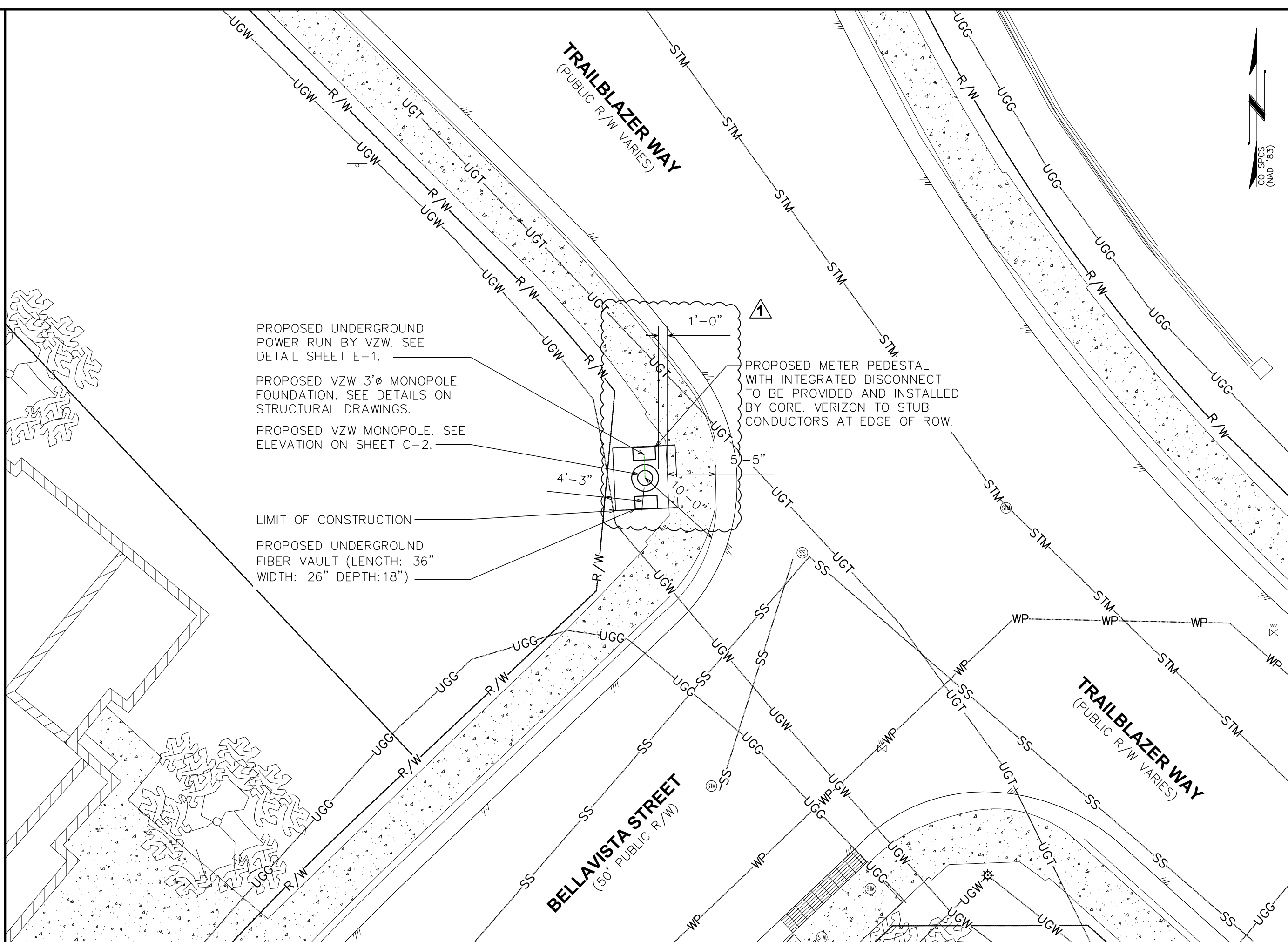
TOWN OF CASTLE ROCK APPROVAL PLANS ARE REVIEWED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE: TITLE SHEET & NOTES

SHEET 1 OF 11 REVISION: 1  
TEP # 2367G4.403579



PROPOSED SMALL CELL LOCATION.  
SEE THIS SHEET FOR DETAILS.

| POLE INFO |          |       |    |          |       |    |          |       |
|-----------|----------|-------|----|----------|-------|----|----------|-------|
| #         | HEIGHT   | TYPE  | #  | HEIGHT   | TYPE  | #  | HEIGHT   | TYPE  |
| 01        | ± 29'-0" | METAL | 05 | ± 29'-0" | METAL | 09 | ± 22'-0" | METAL |
| 02        | ± 29'-0" | METAL | 06 | ± 29'-0" | METAL | 10 | ± 22'-0" | METAL |
| 03        | ± 29'-0" | METAL | 07 | ± 22'-0" | METAL | 11 | ± 22'-0" | METAL |
| 04        | ± 29'-0" | METAL | 08 | ± 22'-0" | METAL | —  | —        | —     |

## **A&E FIRM NOTES:**

1. ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED VERIZON 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 AND PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF COLORADO.
3. STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/TIA/EIA-222-H, 2017. THIS CONFORMS TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2021 EDITION.
4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2021 EDITION, AND MOST RECENT DENVER BUILDING CODE AMENDMENTS.
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 INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE 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 IS 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 OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO BEGIN 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, 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.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR 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.
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 SUBGRADE SHALL BE PROPOFFED WITH A FULLY LOADED TANDEN AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL 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. ALL MATERIAL AND WORKSMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
18. THE OWNER 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 RESPONSIBLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

## **A&E FIRM STRUCTURAL STEEL NOTES:**

1. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
  - A. STRUCTURAL STEEL, ASTM DESIGNATION A36 OR A992 GR50.
  - B. ALL BOLTS, ASTM A325 TYPE I GALVANIZED HIGH STRENGTH BOLTS.
  - C. ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
  - D. ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.
4. HOLES SHALL NOT BE FLAME CUT THRU STEEL UNLESS APPROVED BY THE ENGINEER.
5. HOT-DIP GALVANIZE ALL ITEMS UNLESS OTHERWISE NOTED, AFTER FABRICATION WHERE PRACTICABLE. GALVANIZING: ASTM A123, ASTM A153/A153M OR ASTM A653/A653M, 14TH EDITION, SHALL APPLY.
6. REPAIR DAMAGE TO SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED, WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS IN STICK OR PASTED; SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
7. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
8. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXCLUDE THE THREADS FROM THE SHEAR PLANE.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
10. ALL ASSEMBLY BOLTS ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN SECTION 8.1 OF THE AISC, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", DATED JUNE 30, 2004.
11. FLAT WASHERS ARE TO BE INSTALLED WITH BOLTS OVER SLOTTED HOLES.
12. DO NOT OVER TORQUE ASSEMBLY BOLTS. GALVANIZING ON BOLTS, NUTS, AND STEEL PARTS MAY ACT AS A LUBRICANT, THUS OVER TIGHTENING MAY OCCUR AND MAY CAUSE BOLTS TO CRACK AND SNAP OFF.
13. PAL NUTS ARE TO BE INSTALLED AFTER NUTS ARE TIGHT AND WITH EDGE UP OUT. PAL NUTS ARE NOT REQUIRED WHEN SELF-LOCKING NUTS ARE PROVIDED.
14. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
15. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.1-2010 STRUCTURAL WELDING CODE - STEEL.

**A&E FIRM NOTES**  
SCALE: "N.T.S."

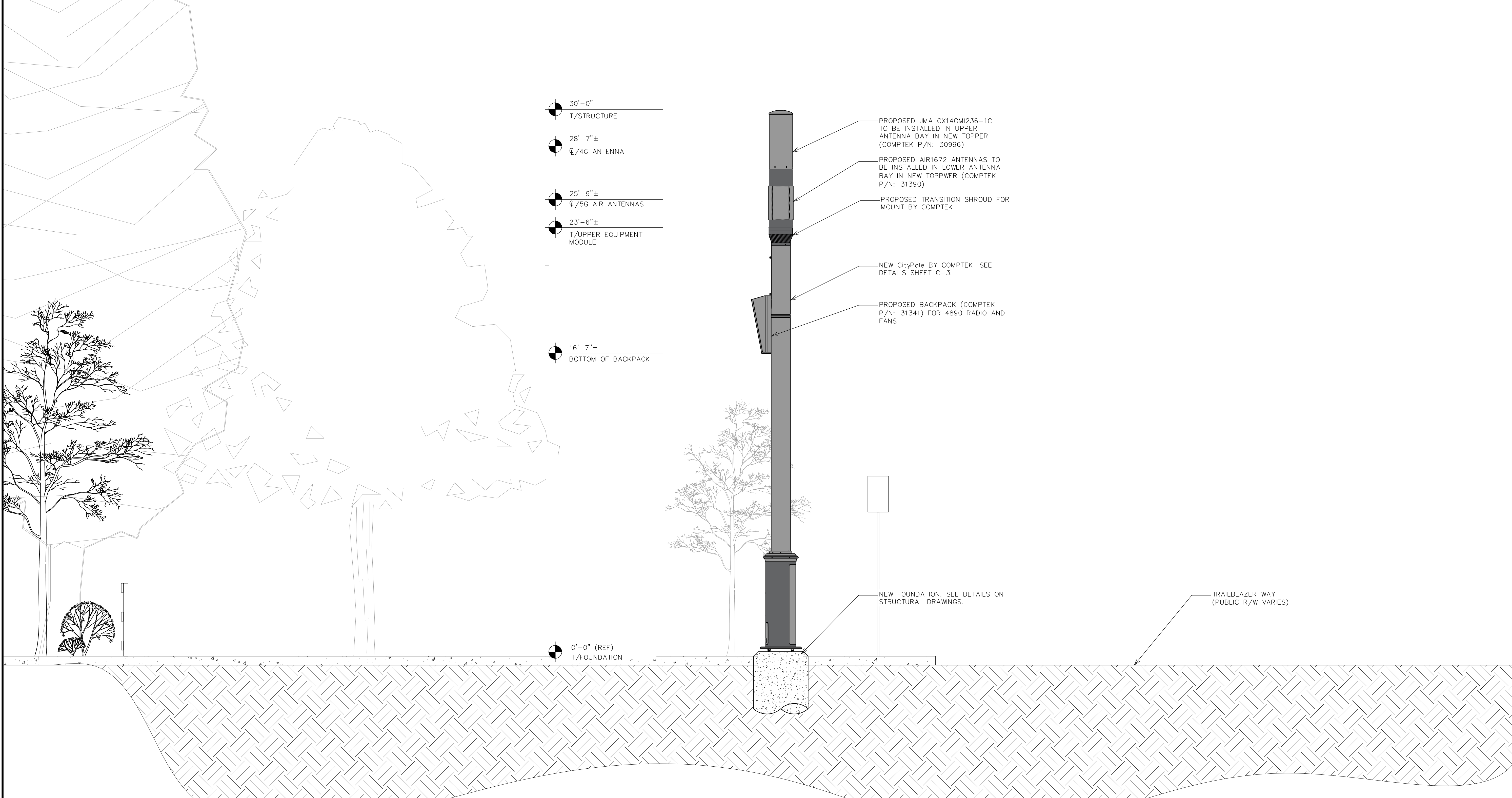
| PROJECT INFORMATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          | PLANS PREPARED BY:                                                                                          |  | PLANS PREPARED FOR:                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| <b>ALCAZAR SC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |  <b>TEP OP&amp;C LLC</b> |  |  |  |
| 2881 TRAILBLAZER WAY<br>CASTLE ROCK, CO 80109<br>(DOUGLAS COUNTY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 4570 IVY ST SUITE B-100<br>DENVER, CO 80216<br>OFFICE: (303) 866-9814                                       |  | 10000 PARK MEADOWS DR. SUITE 300<br>LOWE TREE, CO 80124<br>(303) 489-7836           |  |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12-16-25 | JN COMMENTS                                                                                                 |  |                                                                                     |  |
| O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10-03-25 | 100% CONSTRUCTION CD's                                                                                      |  |                                                                                     |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 07-22-25 | PRELIMINARY                                                                                                 |  |                                                                                     |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 05-02-25 | PRELIMINARY                                                                                                 |  |                                                                                     |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11-03-23 | PRELIMINARY                                                                                                 |  |                                                                                     |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 09-20-23 | PRELIMINARY                                                                                                 |  |                                                                                     |  |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE     | ISSUED FOR:                                                                                                 |  |                                                                                     |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                                                                                             |  |                                                                                     |  |
| DRAWN BY: DREB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | CHECKED BY: EGG                                                                                             |  |                                                                                     |  |
| <p>[These plans have been reviewed by the Town of Castle Rock for concept only. The review does not imply responsibility for the reviewing department, the Town Engineer, or the Town of Castle Rock for accuracy and correctness of the calculations. Furthermore, the review does not imply that quantities of items on the plans are the final quantities required. The review shall not be construed for any reason as acceptance of financial responsibility by the Town for additional quantities of items shown that may be required during the construction phase. All work shall be constructed in accordance with the Town of Castle Rock Municipal Code, Technical Manuals and/or other Town-approved applicable standards.]</p> |          |                                                                                                             |  |                                                                                     |  |
| INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                                                                             |  |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                                                                             |  |                                                                                     |  |
| <p>with all applicable Town of Castle Rock and State of Colorado design standards, specifications and manuals, I am fully responsible for all design and revisions shown on these plans.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                             |  |                                                                                     |  |
| <p>TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF REVIEW FOR THE SERVICES APPROVAL.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                             |  |                                                                                     |  |
| APPROVED BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                             |  |                                                                                     |  |
| <p>DEVELOPMENT SERVICES</p> <p>DATE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                                                                                             |  |                                                                                     |  |
| SHEET TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                             |  |                                                                                     |  |
| <b>SITE PLAN &amp; VICINITY MAP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                                                                                             |  |                                                                                     |  |
| SHEET 2 OF 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                                                                                                             |  |                                                                                     |  |
| REVISION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                             |  |                                                                                     |  |
| <b>C-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                                                                                                             |  |                                                                                     |  |
| <b>1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                                                                                             |  |                                                                                     |  |
| TEP #: 236764.403579                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                                                                             |  |                                                                                     |  |

NOTE:

1. CONTRACTOR TO PAINT EQUIPMENT SHROUD, POLE, AND ANTENNA JET BLACK RAL #9005 TO MATCH EXISTING STREET POLES AND LIGHT FIXTURES IN THE SURROUNDING AREA.
2. TOP OF STRUCTURE NOT TO EXCEED 30'-0".
3. MAXIMUM ANTENNA VOLUME NOT TO EXCEED 3 CUBIC FEET
4. RETURN NEW CONSTRUCTION AREA TO PRE-CONSTRUCTION CONDITIONS AFTER INSTALLATION.
5. LOCATE AND AVOID EXISTING UNDERGROUND UTILITIES. POT HOLE AS REQUIRED TO DETERMINE EXACT LOCATION AND DEPTH.
6. PROPOSED SMALL CELL TOWER ADHERES TO AASHTO DESIGN GUIDELINES AND SETBACKS

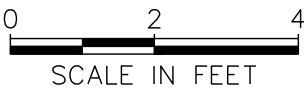
RADIO FREQUENCY NOTES

- 1.PROPOSED VOLTAGE – THE POWER SUPPLIED TO THE SITE IS 120–240 VOLTS AC. THIS IS CONVERTED TO ~48 VOLTS DC. TRANSMITTERS MAY BE SUPPLIED WITH EITHER DC OR AC POWER
- 2.MAXIMUM TRANSMISSION WATTAGE – THIS SITE MAY BE INSTALLED WITH MULTIPLE RADIOS: (1) DUAL BAND RADIO FOR PCS AND AWS WITH A MAXIMUM OF 480 TOTAL WATTS, (1) CBRs RADIO WITH A MAXIMUM OF 20 TOTAL WATTS, EITHER (1) CBAND RADIO WITH A MAXIMUM OF 320 WATTS OR (3) CBAND RADIOS WITH A MAXIMUM OF 80 WATTS EACH (240 WATTS TOTAL)
- 3.RADIO FREQUENCY – WE WILL OPERATE ON 4 BANDS: PCS (TRANSMIT FROM 1965 MHz TO 1975 MHz), AWS (TRANSMIT FROM 2120 MHz TO 2130 MHz AND FROM 2170 MHz TO 2180 MHz), CBRs (TRANSMIT FROM 3550–3700 MHz) AND 28GHz/39GHz (TRANSMIT FROM 27500 MHz TO 28300 MHz AND 38,600 MHz TO 39,400 MHz). CBAND (TRANSMIT FROM 3700–3860 MHz)
- 4.MICROWAVE EXPULSION – NO MICROWAVE RADIOS WILL BE USED AT THIS SITE.
- 5.MAXIMUM ALLOWABLE TRANSMISSION – THE FCC THRESHOLDS IN EIRP ARE AS FOLLOWS: PCS 1640 W/MHz, AWS 1640 W/MHz, CBRs 40 dBm (10 W) per 10 MHz, 28GHz/39GHz 75 dBm (31,623 W) per 100 MHz, CBAND –64.78/26.99 (W/MHz)



PROPOSED FRONT ELEVATION (LOOKING NORTHWEST)

SCALE: 3/8" = 1'-0"



VERIZON IDENTIFICATION

VERIZON TO INSTALL A PERMANENT PLAQUE AT 3' TO 6' IN HEIGHT DISPLAYING: POLE OWNERSHIP, UNIQUE POLE IDENTIFICATION NUMBER MATCHING POLE CODE FROM MASTER TRACKER, AND A CONTACT PHONE NUMBER FOR POLE OWNER.

PLANS PREPARED FOR:



10000 PARK MEADOWS DR., SUITE 300  
LOVELAND, CO 80124  
(303) 469-7636

PLANS PREPARED BY:



TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 666-9914

PROJECT INFORMATION:

ALCAZAR SC

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS     | 100% CONSTRUCTION CD's |
|-----------------|------------------------|
| I               | 12/16/25               |
| O               | 10/03/25               |
| D               | 07/22/25               |
| C               | 05/02/25               |
| B               | 11/03/23               |
| A               | 09/20/23               |
| REV             | DATE                   |
| ISSUED FOR:     |                        |
| CHECKED BY: EGG |                        |
| DRAWN BY: DRB   |                        |

These plans have been reviewed by the Town of Castle Rock for concept only. The review does not imply responsibility by the reviewing department, the Town Engineer, or the Town of Castle Rock for accuracy and correctness of the calculations. Furthermore, the review does not imply that quantities of items on the plans are the final quantities required. The review shall not be construed for any reason as acceptance or additional quantities of items shown that may be required during the construction phase. All work shall be constructed in accordance with the Town of Castle Rock Municipal Code, Technical Manuals and/or other Town-approved applicable standards.

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and construction relative to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE REVIEWED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:

TOWER ELEVATION

SHEET 3 OF 11 REVISION:

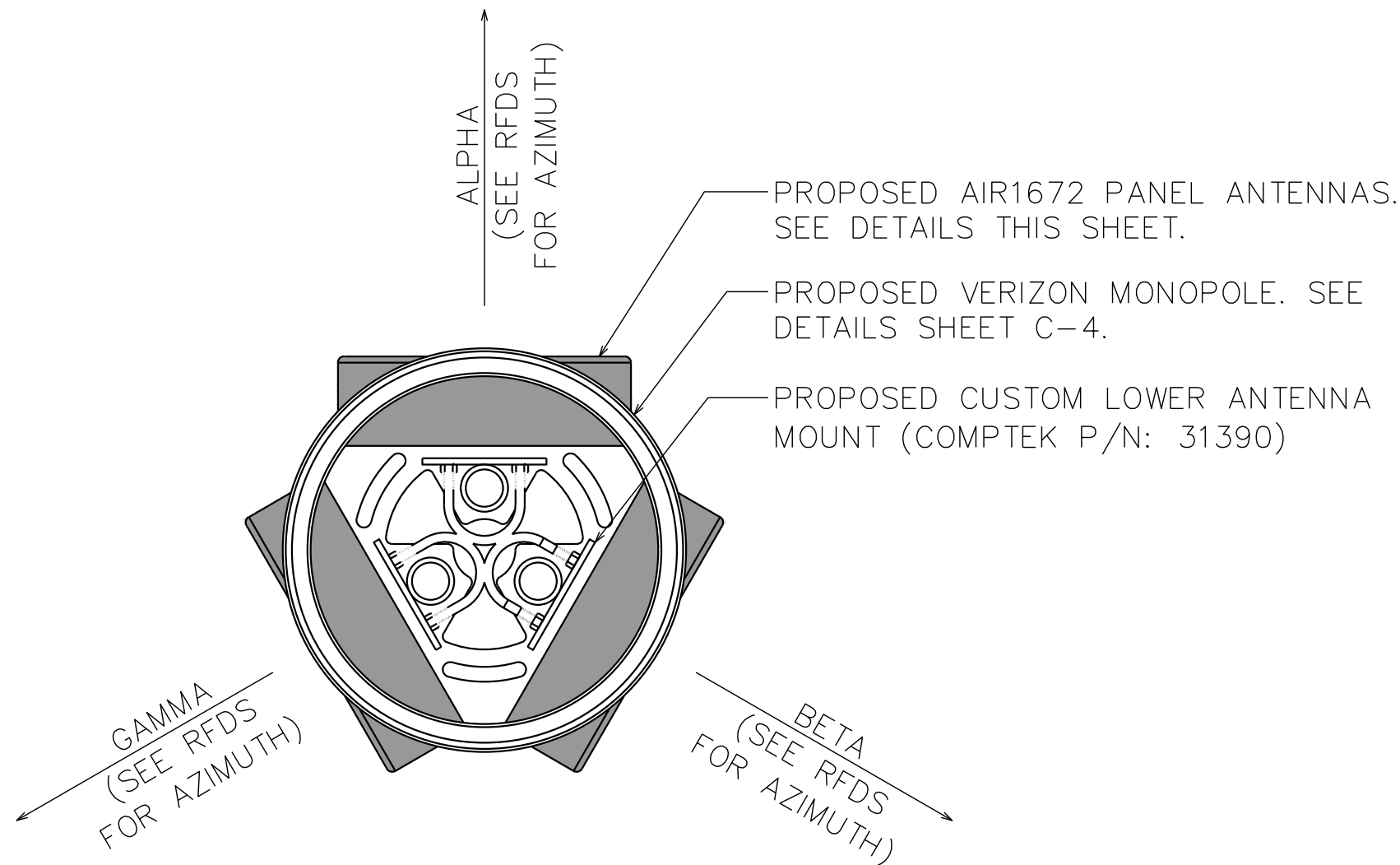
C-2

1

TEP #: 236764.403579

| ANTENNA/COAX SCHEDULE |          |                                           |                 |                 |                            |                 |
|-----------------------|----------|-------------------------------------------|-----------------|-----------------|----------------------------|-----------------|
| SECTOR/<br>POSITION   | AZIMUTH  | ANTENNA<br>SPECIFICATIONS                 | ELEC.<br>D-TILT | MECH.<br>D-TILT | CABLE<br>SIZE              | CABLE<br>LENGTH |
| N/A                   | N/A      | OMNI (2.97 FT <sup>3</sup> )              | 0°              | 0°              | (8) ¼" COAX<br>(4) ¼" COAX | 5'<br>30'       |
| ALPHA                 | SEE RFDS | PANEL ANTENNAS<br>(0.51 FT <sup>3</sup> ) | 0°              | 0°              | (3) POWER<br>(3) FIBER     | 30'             |
| BETA                  | SEE RFDS |                                           | 0°              | 0°              |                            |                 |
| GAMMA                 | SEE RFDS |                                           | 0°              | 0°              |                            |                 |

| EQUIPMENT VOLUME TABLE  |                                                           |                                                    |
|-------------------------|-----------------------------------------------------------|----------------------------------------------------|
| DESCRIPTION             | INCLUDES                                                  | VOLUME (FT <sup>3</sup> )                          |
| ANTENNA(S)              | (1) 14"ø x 33" H OMNI<br>(3) 21.2"H x 8.1"W x 5.1"D PANEL | 2.94 FT <sup>3</sup><br>0.51 FT <sup>3</sup> (EA.) |
| ASSOCIATED<br>EQUIPMENT | EQUIPMENT, RADIO(S),<br>POWER PANEL                       | 12.02 FT <sup>3</sup>                              |
| UTILITY                 | DISCONNECT, METER,<br>FIBER FRONTHAUL                     | 2.41 FT <sup>3</sup>                               |

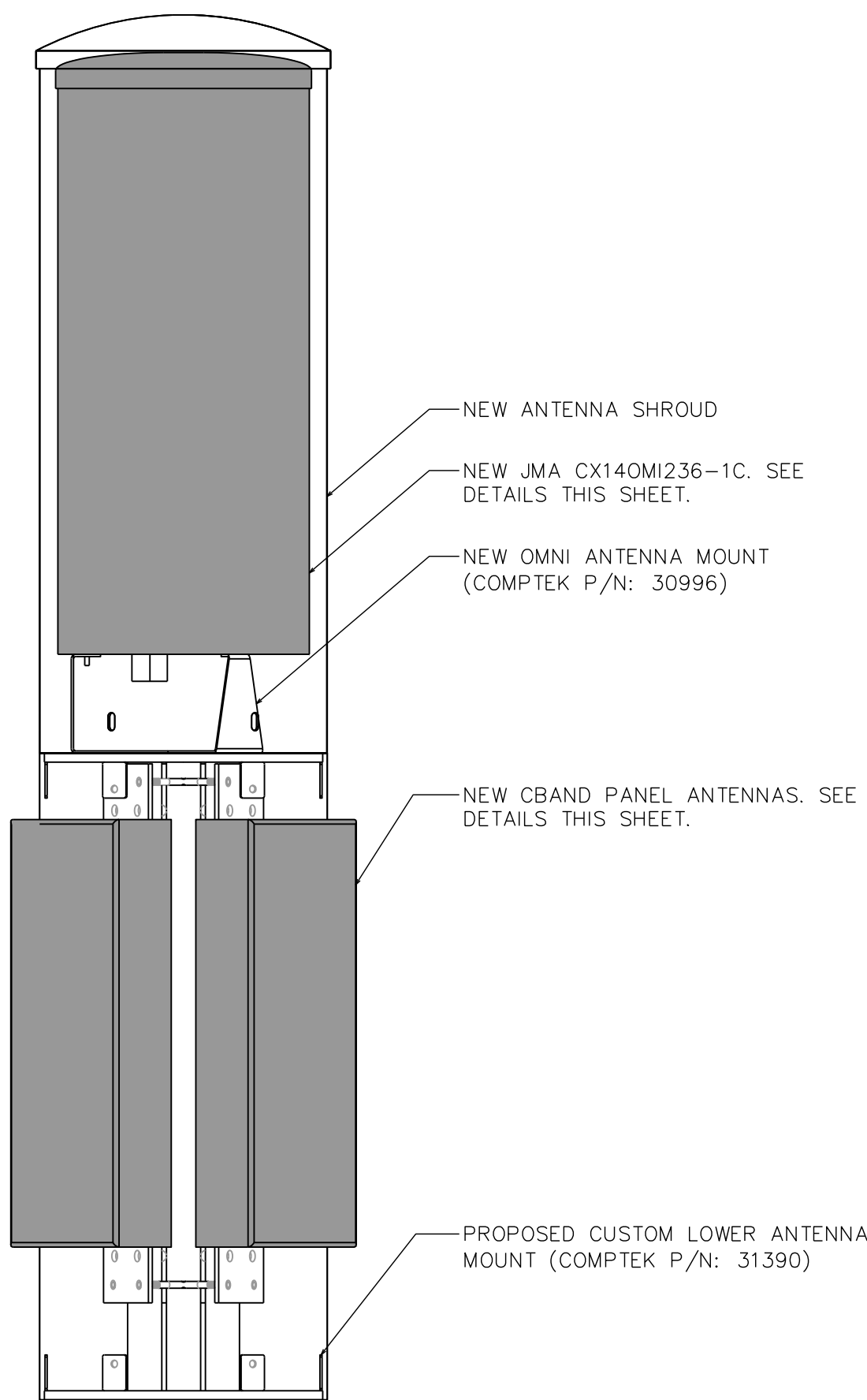


#### ANTENNA/COAX SCHEDULE

SCALE: N.T.S.

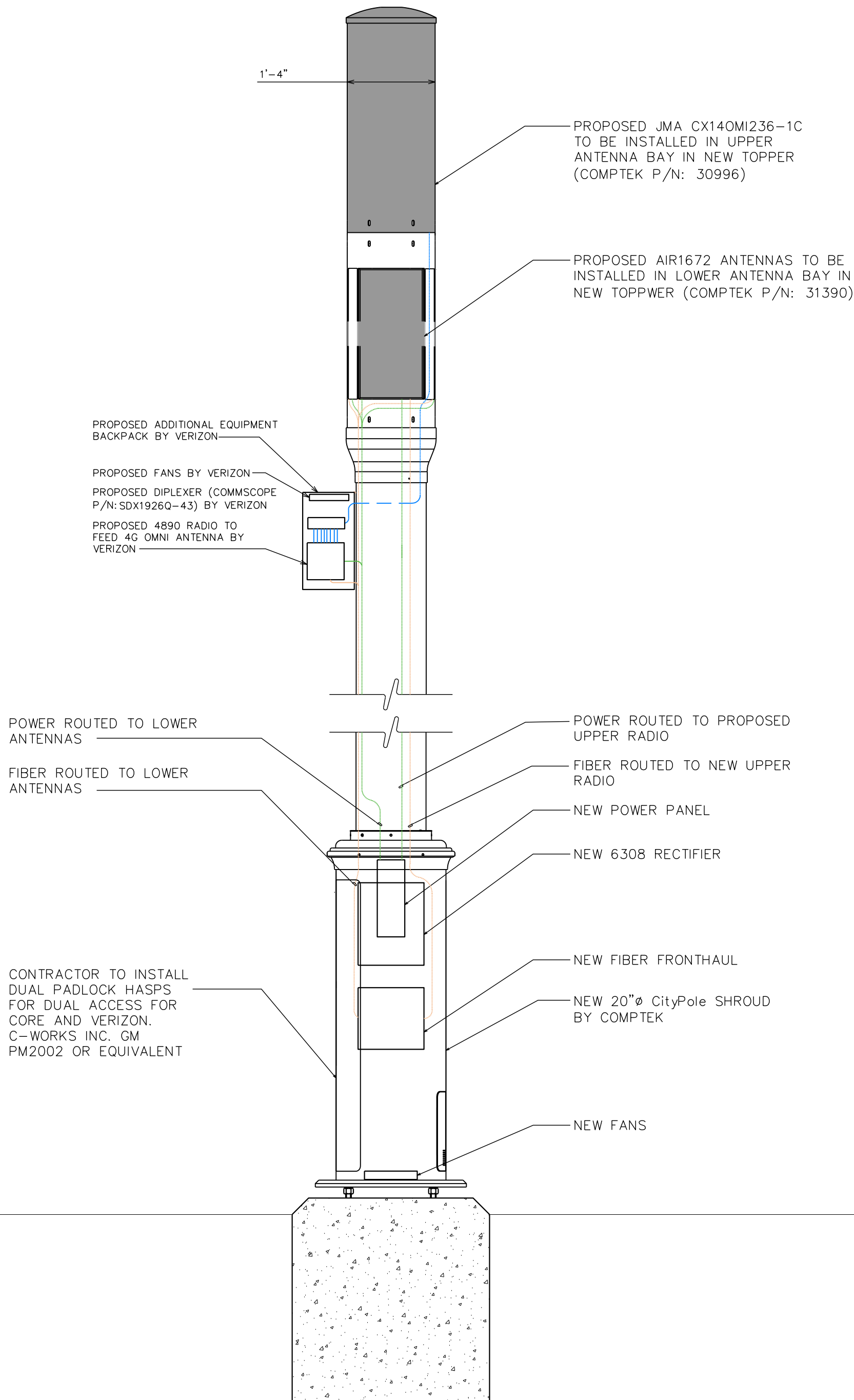
#### LOWER ANTENNA MOUNT

SCALE: N.T.S.



#### ANTENNA MOUNTING ELEVATION

SCALE: N.T.S.

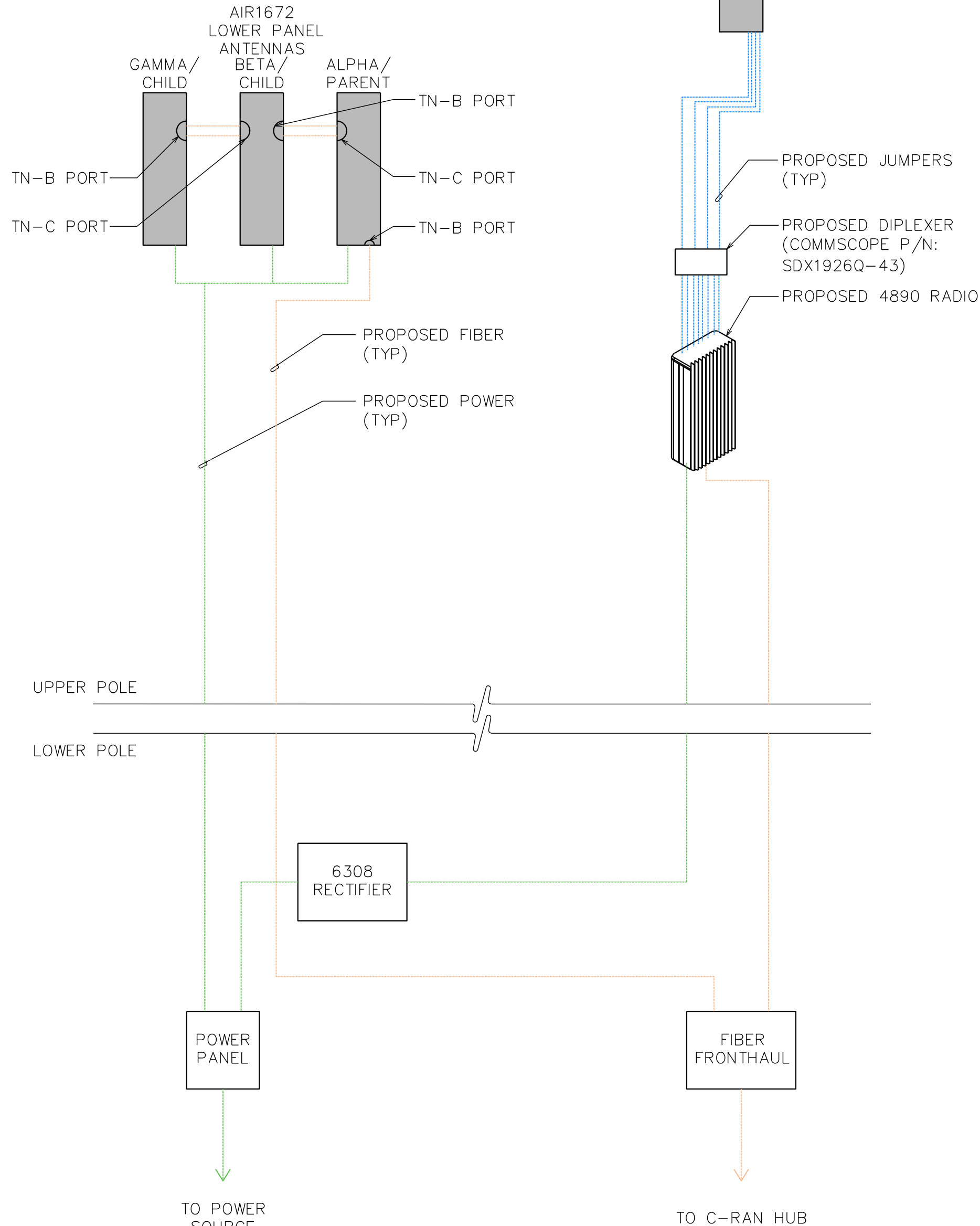


#### POLE DETAILS

SCALE: N.T.S.

#### NOTES:

- DAISY CHAIN CONFIGURATION SUPPORT CASCADING AIR1672 WHILE USING SINGLE 10G FIBER FROM BACKHAUL.
- MAX 3 UNIT OF AIR1672 CASCADED SUPPORT NOW USING SINGLE 10G FIBER WHICH TERMINATED TO TNB PORT OF MASTER AIR1672.



#### PLUMBING DIAGRAM

SCALE: N.T.S.

PLANS PREPARED FOR:

**verizon**

10000 PARK MEADOWS DR., SUITE 300  
LOWE, CO 80124  
(303) 469-7836

PLANS PREPARED BY:

**TEP**

TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 666-9914

PROJECT INFORMATION:

**ALCAZAR SC**

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS | 100% CONSTRUCTION CD's |
|-------------|------------------------|
| I           | 12-16-25               |
| O           | 10-03-25               |
| D           | 07-22-25               |
| C           | 05-02-25               |
| B           | 11-03-23               |
| A           | 09-20-23               |
| REV         | DATE                   |
| ISSUED FOR: | EGG                    |
| CHECKED BY: | DRB                    |
| DRAWN BY:   | DRB                    |

These plans have been reviewed by the Town of Castle Rock for concept only. The review does not imply responsibility by the reviewing department, the Town Engineer, or the Town of Castle Rock for accuracy and correctness of the calculations. Furthermore, the review does not imply that quantities of items on the plans are the final quantities required. The review shall not be construed as an acceptance of financial responsibility by the Town for additional quantities of items shown that may be required during the construction phase. All work shall be constructed in accordance with the Town of Castle Rock Municipal Code, Technical Manuals and/or other Town-approved applicable standards.

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and revision relative to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE REVIEWED AND APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:

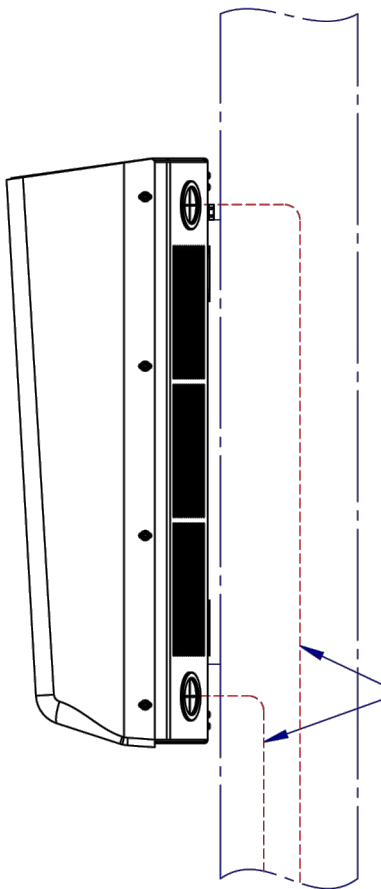
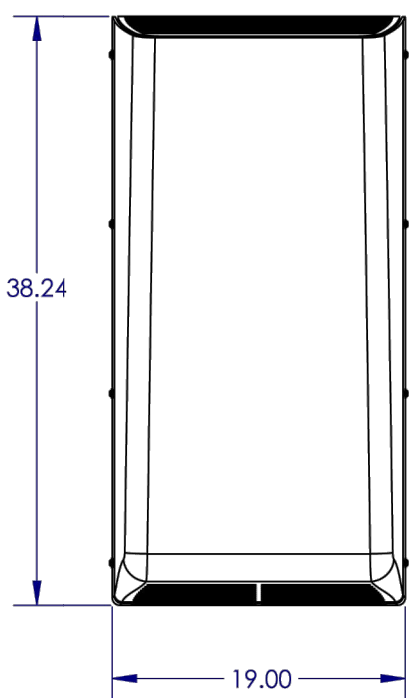
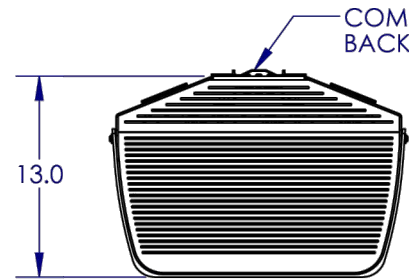
**ANTENNA & PLUMBING DETAILS**

SHEET 4 OF 11 REVISION:

**C-3** 1

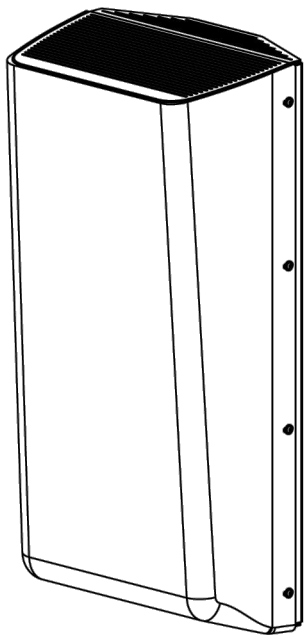
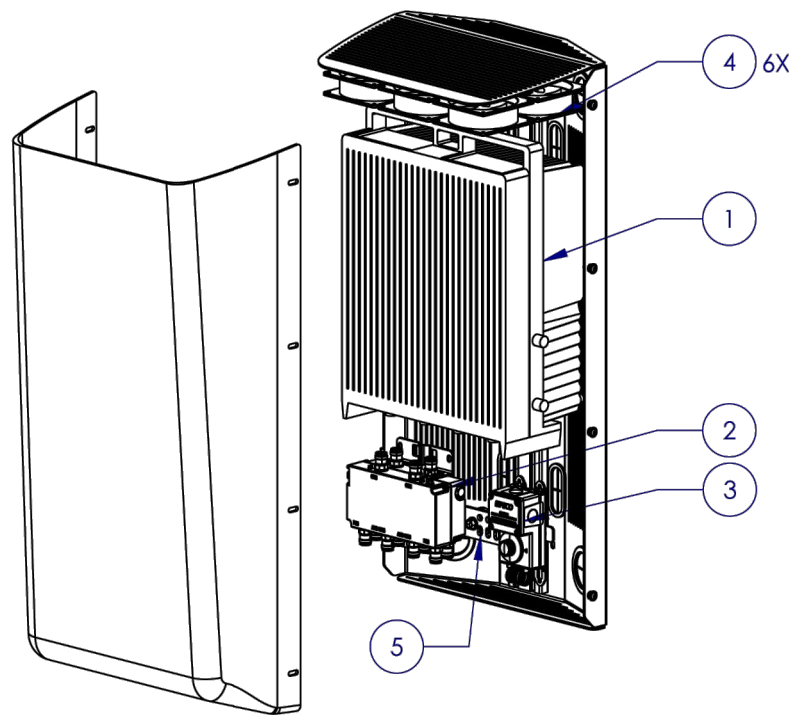
TEP #: 236764.403579

| EQUIPMENT   |                                                                              |       |                 |             |
|-------------|------------------------------------------------------------------------------|-------|-----------------|-------------|
| ITEM NUMBER | PRODUCT                                                                      | QTY.  | INTERNAL MFG. # | PROVIDED BY |
| 1           | RADIO, ERICSSON 4490                                                         | 1 MAX | 40954           | OTHERS      |
|             | RADIO, ERICSSON 4890                                                         |       | 40955           | OTHERS      |
| 2           | DIPLEXER, JMA, DBCC-AW-P-48F                                                 | 1     | 40064           | OTHERS      |
| 3           | THERMOSTAT, PECO TF115-001                                                   | 1     | 40008           | COMPTK      |
| 4           | FAN - AXIAL, OA10PEC-UR-1TRIP68A, 10GCFM, 43DB, 4.9W, .08A, IP68-ATEX SERIES | 6     | 40131           | COMPTK      |
| 5           | ASSY, BUS BAR, SHORT MOUNT, SHORT BAR                                        | 1     | 51314           | COMPTK      |



| REVISIONS |                 |            |       |       |           |
|-----------|-----------------|------------|-------|-------|-----------|
| REV.      | DESCRIPTION     | DATE       | DRAWN | APPR. | RELEASE # |
| 01        | INITIAL RELEASE | 12/13/2023 | JAD   | DAC   | P000677   |

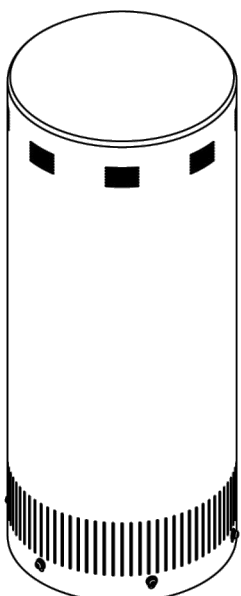
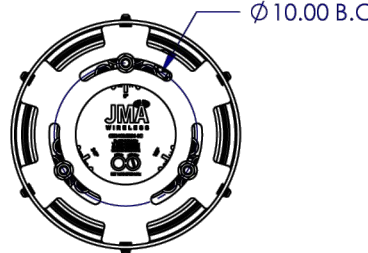
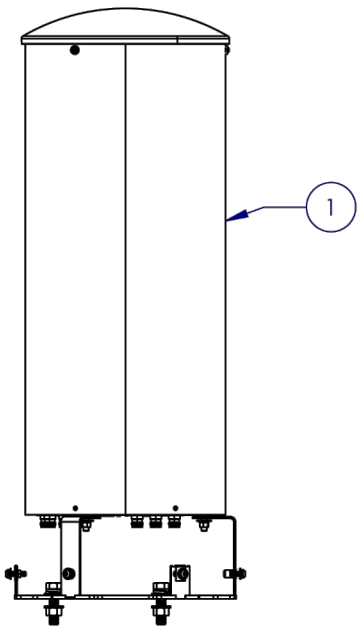
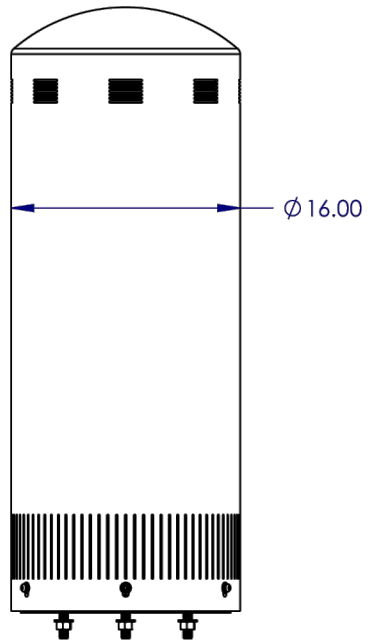
| PRODUCT TABLE |                                                            |           |                 |
|---------------|------------------------------------------------------------|-----------|-----------------|
| PRODUCT TYPE  | PRODUCT                                                    | ID NUMBER | INTERNAL MFG. # |
| BACKPACK      | BACKPACK, XL CROPPED, ERICSSON 4890 SINGLE RADIO, DIPLEXER | TBD       | TBD             |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                    |                                                                     |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 15800 E 40TH AVENUE<br>AURORA, CO 80011<br>PHONE: 303-531-5758<br>FAX: 303-531-5596<br>www.comptektechnologies.com | TITLE<br>BACKPACK, XL CROPPED, ERICSSON 4890 SINGLE RADIO, DIPLEXER |                     |
| PROPRIETARY AND CONFIDENTIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | DIMENSIONS ARE IN INCHES<br>UNLESS OTHERWISE SPECIFIED                                                             | DO NOT SCALE                                                        | SIZE B SHEET 1 OF 1 |
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| EQUIPMENT   |                            |      |            |             |
|-------------|----------------------------|------|------------|-------------|
| ITEM NUMBER | PRODUCT                    | QTY. | COMPTK P/N | PROVIDED BY |
| 1           | ANTENNA, JMA, CX140M236-1C | 1    | 40074      | OTHERS      |

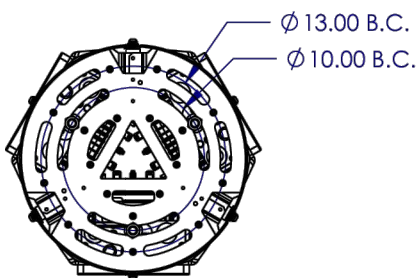
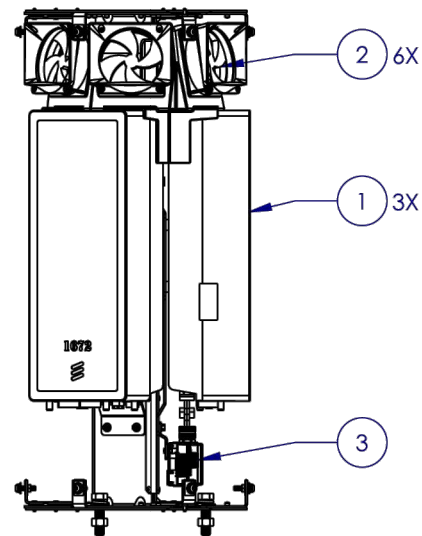
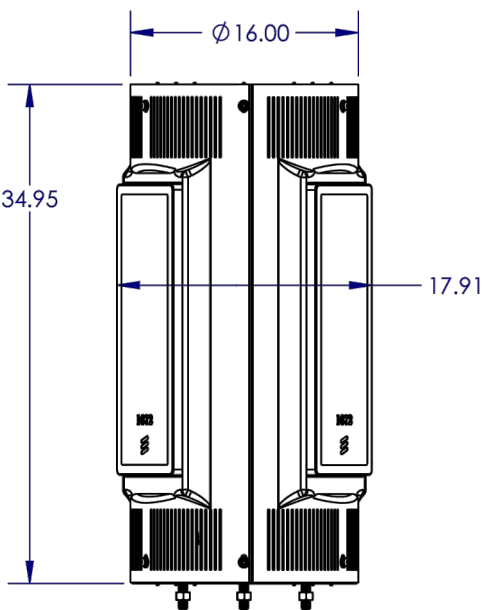
| PRODUCT TABLE   |                    |                                                      |              |       |                 |
|-----------------|--------------------|------------------------------------------------------|--------------|-------|-----------------|
| PRODUCT TYPE    | ID NUMBER          | PRODUCT                                              | COLOR        | SCD # | INTERNAL MFG. # |
| ANTENNA SECTION | 001180524000000540 | KIT, CANTENNA TOPPER, JMA CX140M236, FIBERGLASS DOME | SINGLE COLOR | 30996 | 70950           |



| REVISIONS |                            |            |       |       |           |
|-----------|----------------------------|------------|-------|-------|-----------|
| REV.      | DESCRIPTION                | DATE       | DRAWN | APPR. | RELEASE # |
| 01        | INITIAL RELEASE            | 9/13/2022  | AJB   | DAC   | P000380   |
| 02        | UPDATE TO PRODUCTION PARTS | 11/16/2022 | JAD   | DAC   | P000484   |
| 03        | UPDATE VENTING             | 2/15/2023  | JAD   | DAC   | P000506   |

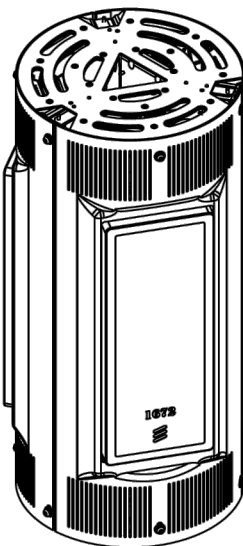
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 15800 E 40TH AVENUE<br>AURORA, CO 80011<br>PHONE: 303-531-5758<br>FAX: 303-531-5596<br>www.comptektechnologies.com | TITLE<br>KIT, CANTENNA TOPPER, JMA CX140M236, FIBERGLASS DOME |                     |
| PROPRIETARY AND CONFIDENTIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | DIMENSIONS ARE IN INCHES<br>UNLESS OTHERWISE SPECIFIED                                                             | DO NOT SCALE                                                  | SIZE B SHEET 1 OF 1 |
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| EQUIPMENT   |                                                                              |      |                 |             |  |
|-------------|------------------------------------------------------------------------------|------|-----------------|-------------|--|
| ITEM NUMBER | PRODUCT                                                                      | QTY. | INTERNAL MFG. # | PROVIDED BY |  |
| 1           | ERICSSON, C-BAND, AIR 1672, 16116R B77D (DUAL BAND - CBR5 + C-BAND)          | 3    | 40986           | OTHERS      |  |
| 2           | FAN - AXIAL, OA10PEC-UR-1TRIP68A, 10GCFM, 43DB, 4.9W, .08A, IP68-ATEX SERIES | 6    | 40131           | COMPTK      |  |
| 3           | THERMOSTAT, PECO TF115-001                                                   | 1    | 40008           | COMPTK      |  |



| REVISIONS |                 |          |       |       |           |
|-----------|-----------------|----------|-------|-------|-----------|
| REV.      | DESCRIPTION     | DATE     | DRAWN | APPR. | RELEASE # |
| 01        | INITIAL RELEASE | 5/7/2025 | JAD   | DAC   | P000769   |

| PRODUCT TABLE   |                                            |                    |                 |
|-----------------|--------------------------------------------|--------------------|-----------------|
| PRODUCT TYPE    | PRODUCT                                    | ID NUMBER          | INTERNAL MFG. # |
| ANTENNA SECTION | KIT, 5G TOPPER, ERICSSON 1672, SHEET METAL | 001180524000000946 | 71370           |



NOTES:  
- FULL SHROUD PAINTABLE TO MATCH POLE. COLOR TO BE SPECIFIED AT THE TIME OF P.O.  
- MAXIMUM DESIGN WIND SPEED FOR 700 YEARS MRI = 150MPH  
- ANALYSIS BASED OFF CYLINDRICAL TOP SHROUD 16" DIAMETER BY 43" HEIGHT (ALL OTHER CHANGES IN FORM FACTOR MUST BE APPROVED BY COMPTK)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                |                                                     |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 11001 W 10TH AVE, SUITE 400<br>BROOMFIELD, CO 80021<br>PHONE: 303-531-5758<br>FAX: 303-531-5596<br>www.comptektechnologies.com | TITLE<br>KIT, 5G TOPPER, ERICSSON 1672, SHEET METAL |                     |
| PROPRIETARY AND CONFIDENTIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | DIMENSIONS ARE IN INCHES<br>UNLESS OTHERWISE SPECIFIED                                                                         | DO NOT SCALE                                        | SIZE B SHEET 1 OF 1 |
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## BACKPACK SHROUD

SCALE: N.T.S.

PLANS PREPARED FOR:  
**verizon**  
10000 PARK MEADOWS DR., SUITE 300  
LOUISVILLE, CO 80124  
(303) 469-7836

PLANS PREPARED BY:  
**TEP**  
TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 566-9914

PROJECT INFORMATION:  
**ALCAZAR SC**  
2681 TRAILBLAZER WAY  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JK COMMENTS |          | 100% CONSTRUCTION CD's |          |
|-------------|----------|------------------------|----------|
| I           | 12/16/25 | D                      | 10-03-25 |
| O           | 10-03-25 | C                      | 07-22-25 |
| D           | 07-22-25 | B                      | 05-02-25 |
| C           | 05-02-25 | A                      | 11-03-23 |
| B           | 11-03-23 | REV                    | DATE     |
| A           | 09-20-23 | ISSUED FOR:            | EGG      |
| REV         | DATE     | CHECKED BY:            | EGG      |
| DRAWN BY:   | DRB      | CHECKED BY:            | EGG      |

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INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS

SEAL:

TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

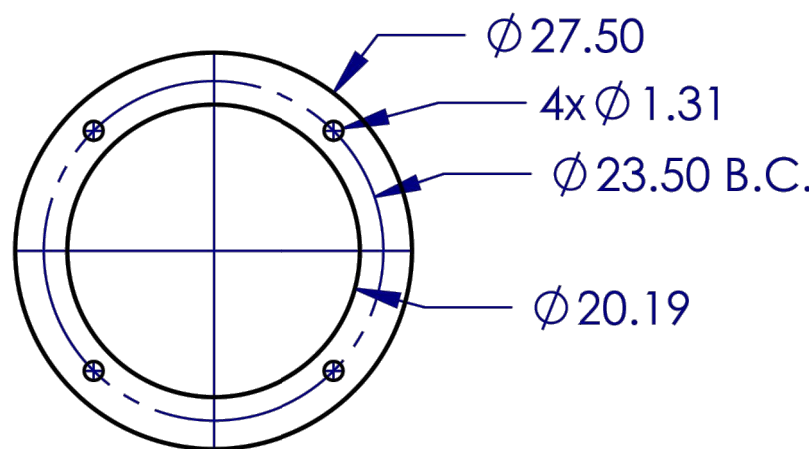
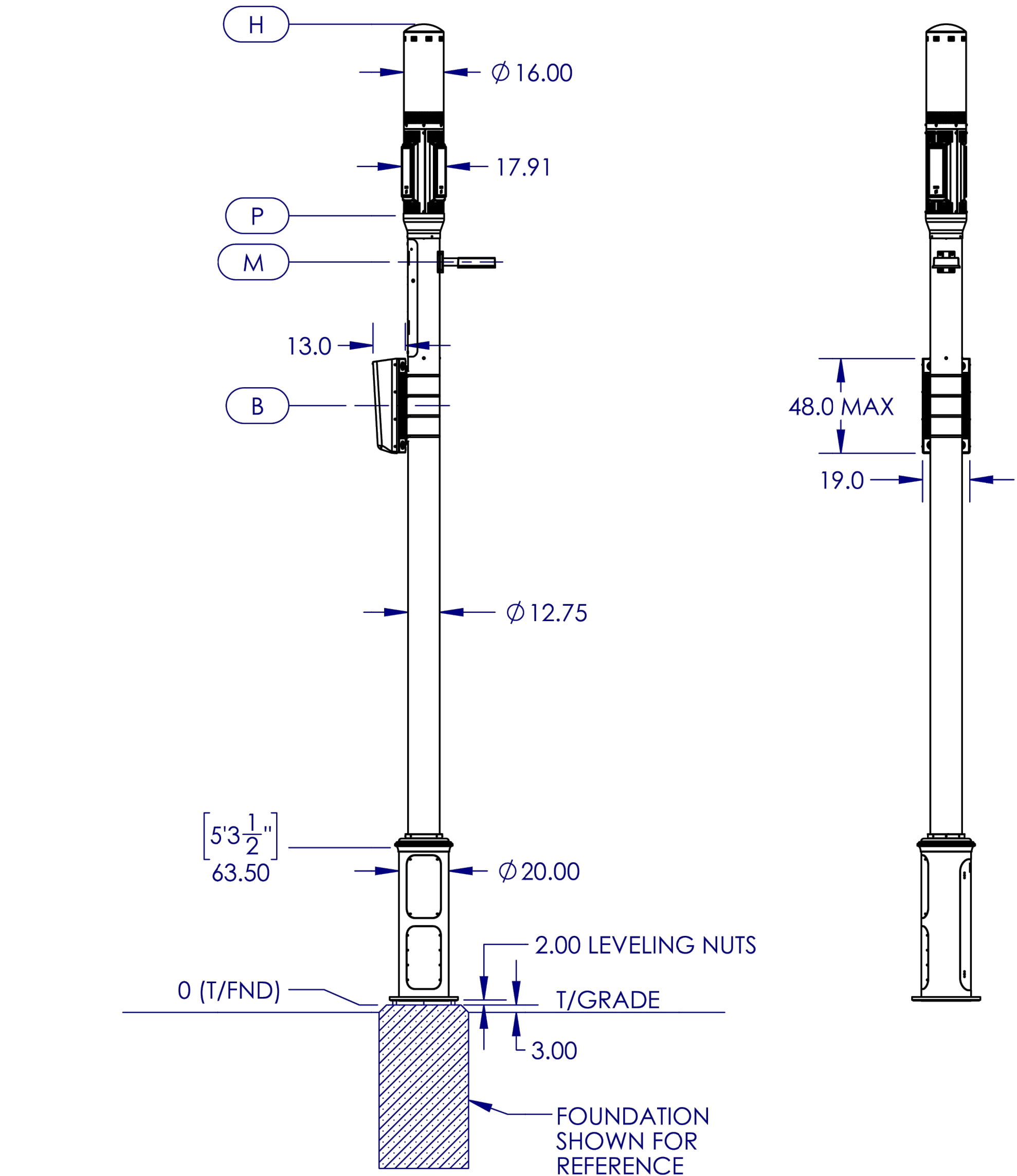
DEVELOPMENT SERVICES DATE

SHEET TITLE:  
**BACKPACK SHROUD**

SHEET 5 OF 11 REVISION:  
**C-4** 1  
TEP #: 236764-403579

TEP is a firm of companies licensed to provide different services in different jurisdictions. Depending on the jurisdiction, professional engineering and land surveying services are provided by TEP OP&CO LLC, a Delaware limited liability company. General contractor services are provided by TEPDB OP&CO LLC, a Delaware limited liability company. We acquire the required licenses in each state. All services are provided by TEP OP&CO LLC, a Delaware limited liability company.

| CONFIGURATION TABLE |                 |                     |                               |                  |               |
|---------------------|-----------------|---------------------|-------------------------------|------------------|---------------|
| OVERALL HEIGHT (H)  | POLE HEIGHT (P) | BACKPACK HEIGHT (B) | LUMINAIRE MOUNTING HEIGHT (M) | LUMINAIRE TYPE ④ | SITE NAME     |
| 27' 0"              | 20' 7"          | 14' 2"              | 19' 0"                        | 5K LUMEN         | KRAKEN SC 6   |
| 30' 0"              | 23' 7"          | 17' 2"              | N/A                           | NONE             | ALCAZAR SC    |
| 33' 0"              | 26' 7"          | 20' 2"              | 25' 0"                        | 7K LUMEN         | PAINTBRUSH SC |



BASE PLATE DETAIL  
SCALE 1 : 24

| REVISIONS |                 |           |       |       |           |
|-----------|-----------------|-----------|-------|-------|-----------|
| REV.      | DESCRIPTION     | DATE      | DRAWN | APPR. | RELEASE # |
| 01        | INITIAL RELEASE | 7/10/2025 | JAD   | DAC   | P000786   |

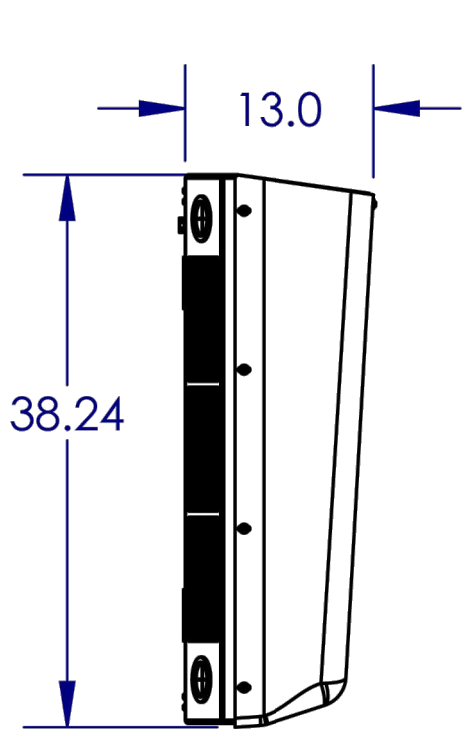
| PRODUCT TABLE |                                           |                                                                                            |       |                    |                 |
|---------------|-------------------------------------------|--------------------------------------------------------------------------------------------|-------|--------------------|-----------------|
| ITEM NUMBER   | PRODUCT TYPE                              | PRODUCT                                                                                    | SCD # | ID NUMBER          | INTERNAL MFG. # |
| 1             | ANTENNA SECTION                           | KIT, CANTENNA TOPPER, JMA CX140MI236, FIBERGLASS DOME                                      | 30996 | SEE SUB-COMPONENTS | 70950           |
| 2             | ANTENNA SECTION                           | KIT, 5G TOPPER, ERICSSON 1672, SHEET METAL                                                 | 31454 | SEE SUB-COMPONENTS | 71370           |
| 3             | TRANSITION SHROUD                         | UPPER TRANSITION SHROUD, 12.75IN TO 16IN                                                   | -     | 001180524000000546 | 70510           |
| 4             | LUMINAIRE (CHOOSE ONE OR NONE)            | 5K LUMEN LUMINAIRE, KIT, VZW, CASTLE ROCK, LIGHT MOUNT, LIGHT ARM, PLATE STEEL, PT/PC      | -     | 001180524000000549 | 70630           |
|               |                                           | 7K LUMEN LUMINAIRE, KIT, VZW, CASTLE ROCK, LIGHT MOUNT, LIGHT ARM, PLATE STEEL, PT/PC      | -     | 001180524000000664 | 71077           |
| 5             | BACKPACK (CHOOSE ONE OR NONE)             | BACKPACK, XL CROPPED, ERICSSON 4890 SINGLE RADIO, DIPLEXER                                 | 31341 | SEE SUB-COMPONENTS | 71264           |
|               |                                           | ASSEMBLY - KIT, CROPPED XL, MID POWER BACKPACK, ERICSSON 8863 B77D/C-BAND RADIO / 6304 PSU | 31356 | SEE SUB-COMPONENTS | 71278           |
| 6             | MOUNTING BRACKET (REQUIRED WITH BACKPACK) | BACKPACK MOUNTING BRACKET, 3.5IN-18IN POLES                                                | 30667 | SEE SUB-COMPONENTS | 52301           |
| 7             | INTERMEDIATE POLE                         | 12.75"D POLE SECTION WITH EQUIPMENT CABINET, 3X ERICSSON 440X, CASTLE ROCK                 | 31471 | SEE SUB-COMPONENTS | VARIES          |
| 8             | TRANSITION SHROUD                         | LOWER TRANSITION SHROUD, 20IN TO 12.75IN                                                   | -     | 001180524000000545 | 70770           |
| 9             | BASE CABINET                              | BASE CABINET, 20IN, NO METER, NO AC DISCONNECT, ERICSSON 8863                              | 31472 | SEE SUB-COMPONENTS | 71444           |
| 10            | ANCHOR KIT                                | FOUNDATION TEMPLATE & ANCHOR ROD KIT, 23.5IN BC                                            | -     | 001180524000000585 | 70499           |

#### ④ LUMINAIRE OPTIONS (PROVIDED BY COMPTK)

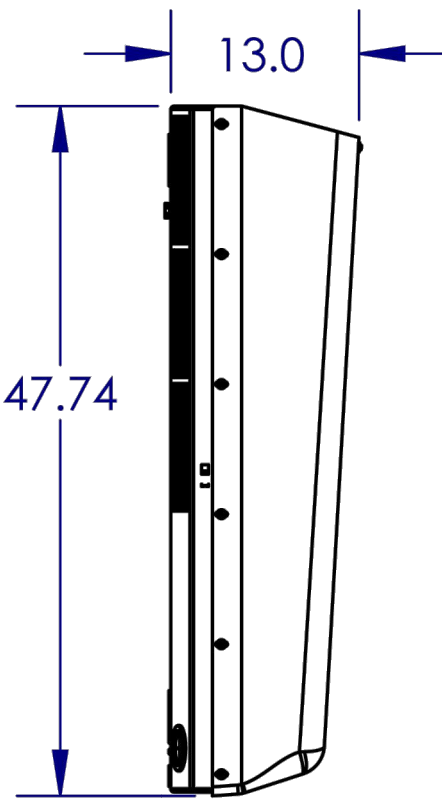
5K LUMEN LUMINAIRE (70630):  
RDG RIDGEVIEW LUMINAIRE  
(RDG-F02-LED-D-U-T3-BK-4N7-  
LCF-FADC-U122901) WITH  
ADAPTER MOUNT

7K LUMEN LUMINAIRE (71077):  
RDG RIDGEVIEW LUMINAIRE  
(RDG-F03-LED-D-U-T3-BK-4N7-  
LCF-FADC-U122901) WITH  
ADAPTER MOUNT

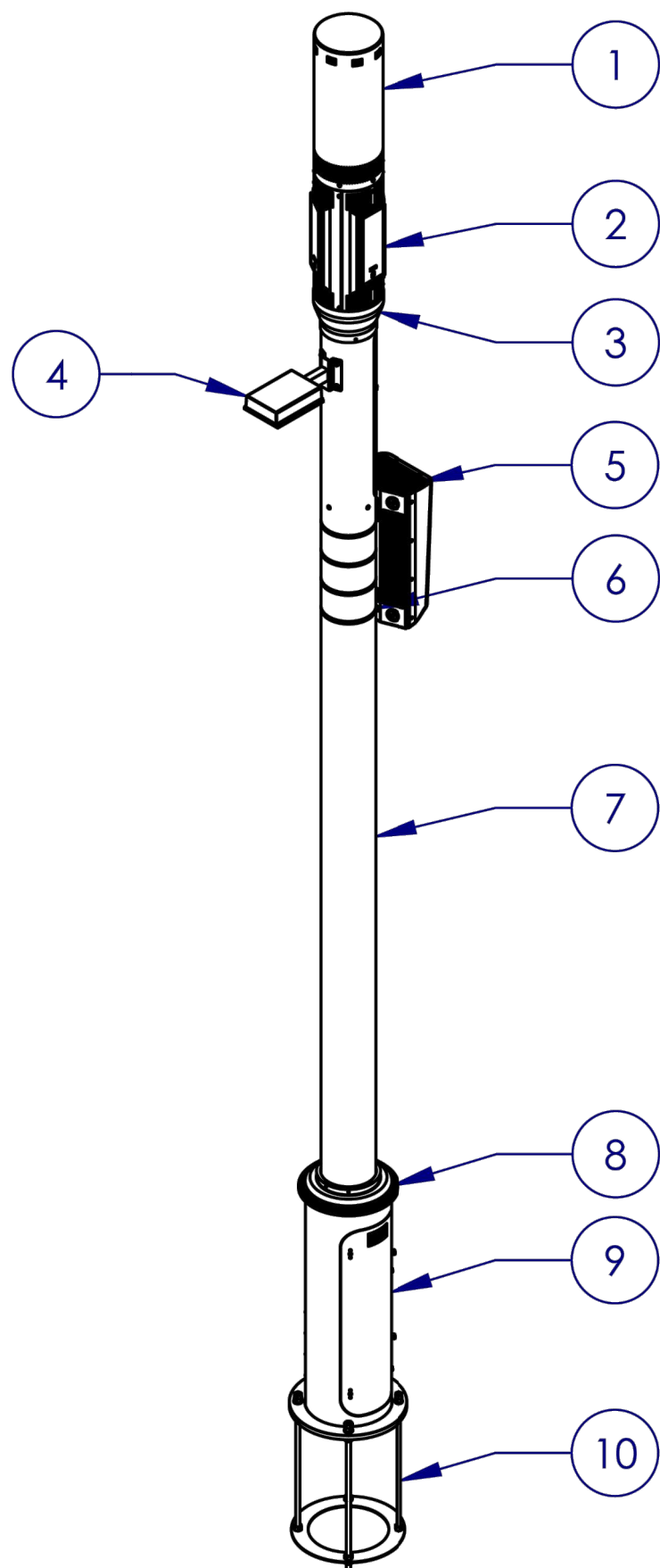
#### ⑤ BACKPACK OPTIONS (PROVIDED BY COMPTK)



ERICSSON 4890  
BACKPACK (71264)



ERICSSON 8863  
BACKPACK (71278)



11001 W 120TH AVE, SUITE 400  
BROOMFIELD, CO, 80021  
PHONE: 303-531-5758  
FAX: 303-531-5595  
www.comptektechnologies.com

TITLE  
**VZW, CASTLE ROCK, INTEGRATED LIGHT POLE, 4G-5G, WITH  
BACKPACK**

PROPRIETARY AND CONFIDENTIAL

DIMENSIONS ARE IN INCHES  
UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

SIZE **B**

SHEET 1 OF 1

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PROJECT, NO.  
**31470**

REV  
**01**

## POLE DESIGN

SCALE: N.T.S.

PLANS PREPARED FOR:



10000 PARK MEADOWS DR., SUITE 300  
LOWE, CO 80124  
(303) 469-7836

PLANS PREPARED BY:



TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 566-9914

PROJECT INFORMATION:

ALCAZAR SC

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS | 100% CONSTRUCTION CD's |
|-------------|------------------------|
| I           | 12-16-25               |
| O           | 10-03-25               |
| D           | 07-22-25               |
| C           | 05-02-25               |
| B           | 11-03-23               |
| A           | 09-20-23               |
| REV         | DATE                   |
| REV         | DATE                   |

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INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with all applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and revision relative to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE REVIEWED APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:

**POLE  
DESIGN**

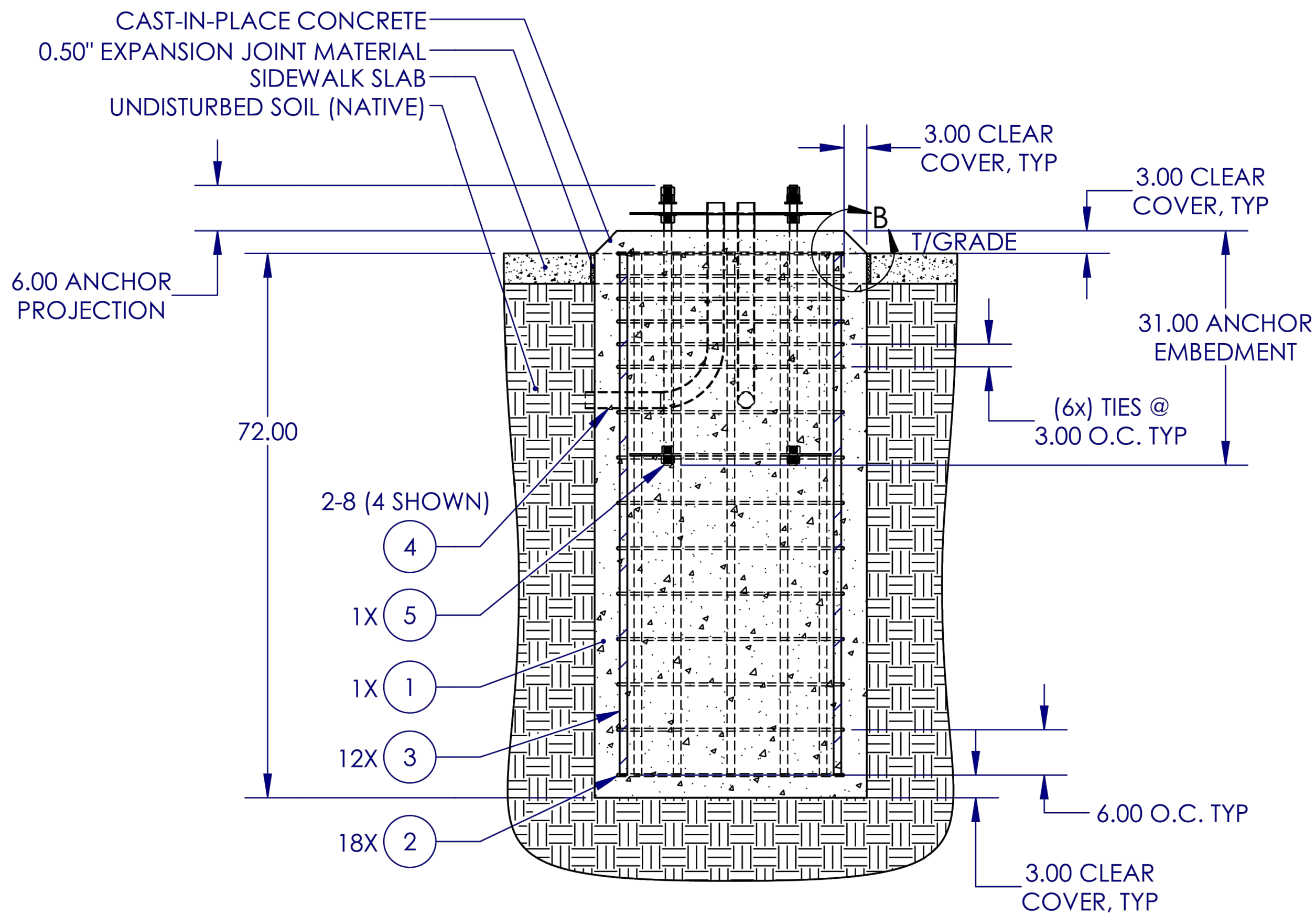
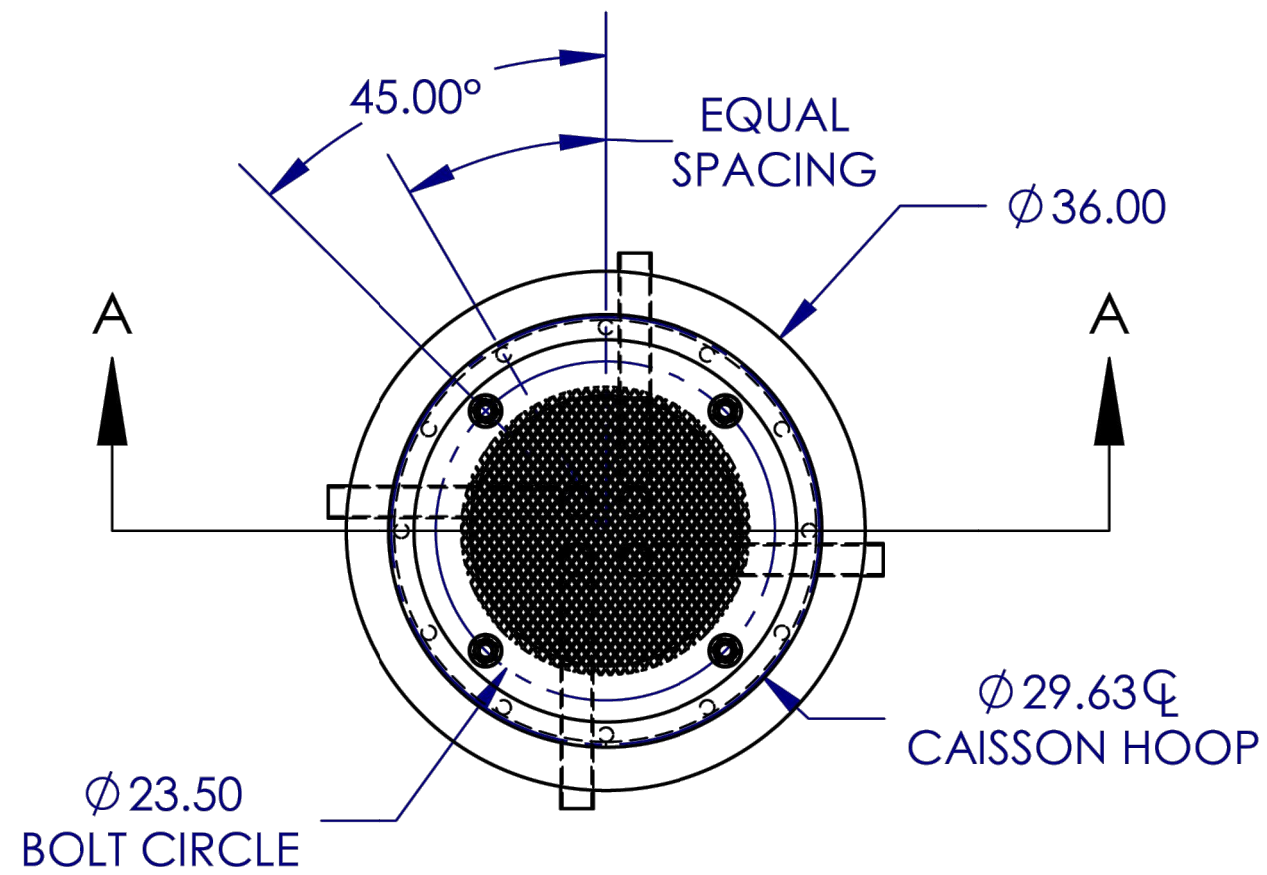
SHEET 6 OF 11 REVISION:

**C-5**

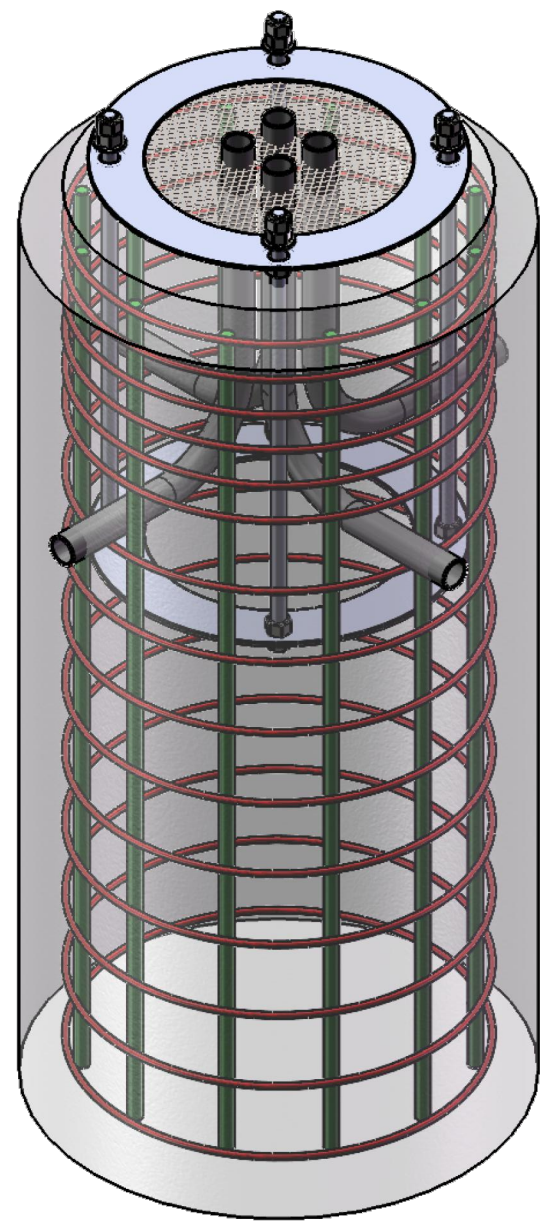
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TEP #: 236764.403579

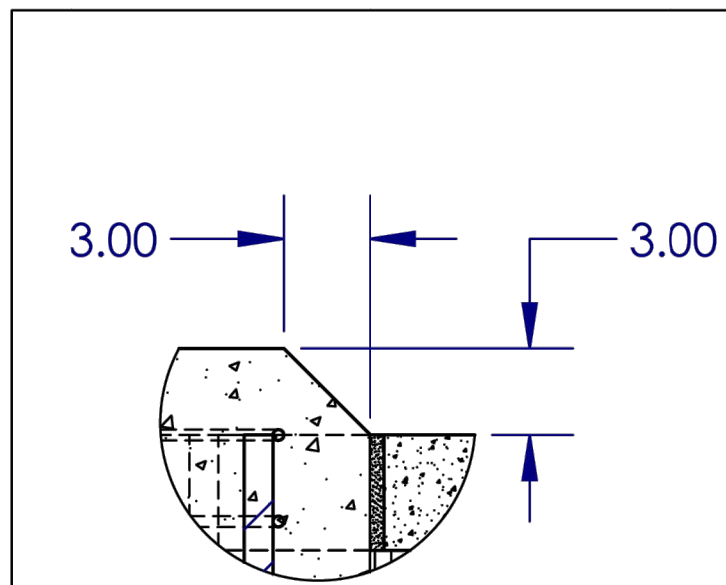
NOTES:  
- DRAWING BASED ON COMPTK FOUNDATION TEMPLATE 63051  
- REFER TO CONSTRUCTION DRAWINGS (BY OTHERS) FOR ADDITIONAL SUBGRADE REQUIREMENTS



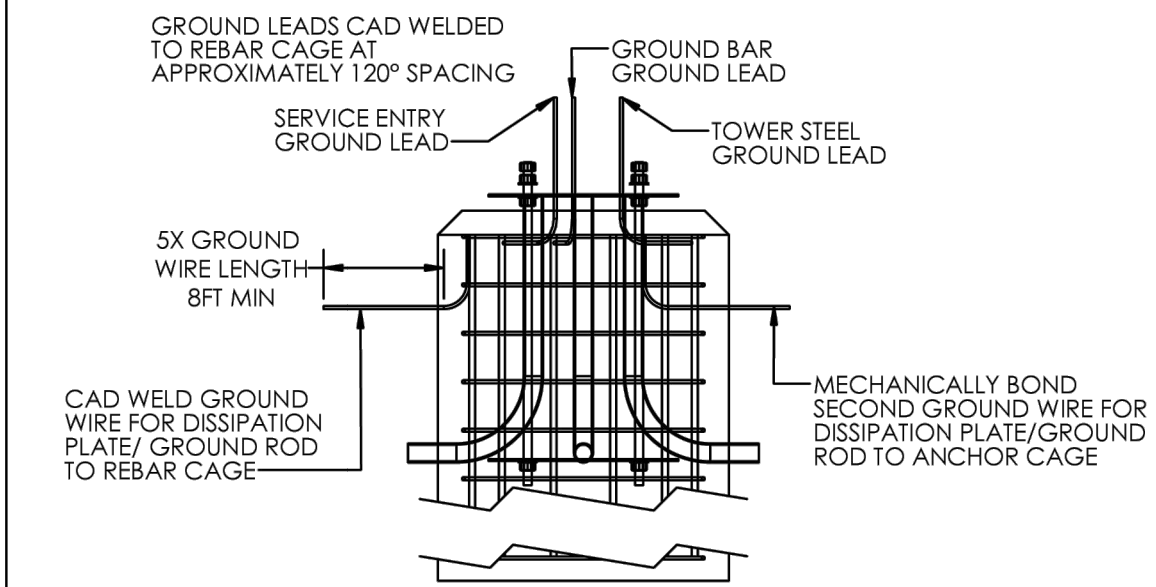
SECTION A-A



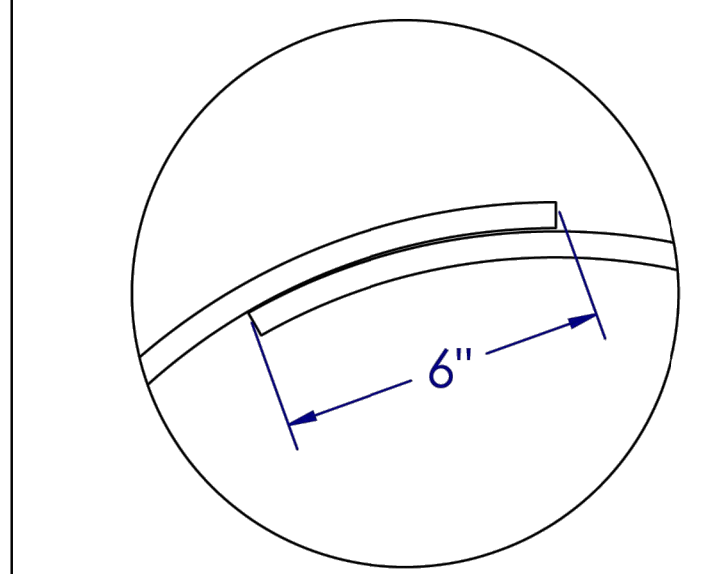
| ITEM NO. | QTY           | DESCRIPTION                                 | WEIGHT (lbs) | WEIGHT TOTAL (lbs) |
|----------|---------------|---------------------------------------------|--------------|--------------------|
| 1        | 1             | CAISSON, CAST-IN-PLACE CONCRETE             | 6585.08      | 6585.08            |
| 2        | 18            | #3, GRADE 60 STEEL, HOOP REINFORCEMENT      | 2.90         | 52.2               |
| 3        | 12            | #5, GRADE 60 STEEL, VERTICAL REINFORCEMENT  | 15.27        | 183.24             |
| 4        | 2-8 (4 SHOWN) | CONDUIT, 1.25IN-2IN PVC (2IN SHOWN)         | 1.58         | 6.32               |
| 5        | 1             | ANCHOR CAGE ASSEMBLY, 23.5IN B.C. X 37IN LG | 71.99        | 71.99              |



DETAIL B - CONCRETE CHAMFER



TYP GROUNDING DETAIL



6" MINIMUM OVERLAP FOR TIES

SITE ADDRESSES  
**KRAKEN SC 6**  
1471 Ebony Drive, Castle Rock, Co 80104



DINESH KUMAR, P.E.  
COLORADO PROFESSIONAL ENGINEER  
LICENSE #0050412 (EXP. 10/31/2025)

11001 W. 120th Ave.,  
Suite 400, Broomfield,  
CO 80021

TITLE  
**FOUNDATION DRAWING**  
**CAISSON, 36X72, 23.5IN BC, ABOVE GROUND**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |              |               |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|---------------|---------------|
| PROPRIETARY AND CONFIDENTIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED | DO NOT SCALE | SIZE <b>B</b> | SHEET 2 OF 3  |
| THIS DOCUMENT, AND THE INFORMATION IT CONTAINS, INCLUDING THE PRINCIPLES OF DESIGN, IS THE EXCLUSIVE PROPERTY OF COMPTK AND IS CONFIDENTIAL. ACCORDINGLY, THIS INFORMATION IS SUBMITTED TO YOU WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR LOANED IN PART OR IN WHOLE, NOR IS THE INFORMATION TO BE RELAYED TO ANY OTHER INDIVIDUAL OR COMPANY EXCEPT AS COMPTK FIRST AUTHORIZES IN WRITING. ACCEPTANCE OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE RESTRICTIONS. |                                                     |              |               | REV <b>01</b> |

31470

FOUNDATION DESIGN

SCALE: N.T.S.

PLANS PREPARED FOR:  
**verizon**  
10000 PARK MEADOWS DR., SUITE 300  
LOWELL, CO 80124  
(303) 469-7836

PLANS PREPARED BY:  
**TEP**  
TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 666-9914

PROJECT INFORMATION:  
**ALCAZAR SC**  
2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS   | 100% CONSTRUCTION CD's |
|---------------|------------------------|
| I             | 12-16-25               |
| D             | 10-03-25               |
| C             | 07-22-25               |
| B             | 05-02-25               |
| A             | 11-03-23               |
| REV           | DATE                   |
| DRAWN BY: DRB | CHECKED BY: EGG        |

These plans have been reviewed by the Town of Castle Rock for concept only. The review does not imply responsibility by the reviewing department, the Town Engineer, or the Town of Castle Rock for accuracy and correctness of the calculations. Furthermore, the review does not imply that quantities of items on the plans are the final quantities required. The review shall not be construed for any reason as acceptance or additional responsibility by the Town of Castle Rock for quantities of items shown that may be required during the construction phase. All work shall be constructed in accordance with the Town of Castle Rock Municipal Code, Technical Manuals and/or other Town-approved applicable standards.

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with applicable laws and regulations, and that I am fully responsible for all design and construction relative to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE REVIEWED AND APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:  
**FOUNDATION DESIGN**

SHEET 7 OF 11 REVISION:

**C-6** 1

TEP #: 236764-403579

RADIO FREQUENCY NOTES

1. PROPOSED VOLTAGE – THE POWER SUPPLIED TO THE SITE IS 120/240V AC. THIS VOLTAGE IS CONVERATION TO –48V DC WHICH IS THEN SUPPLIED TO THE ANTENNAS.
2. MAXIMUM TRANSMISSION WATTAGE – THIS SITE WILL BE INSTALLED WITH 6 RADIOS. (1) DUAL BAND RADIO FOR PCS AND AWS WITH A MAXIMUM OF 320 TOTAL WATTS, (1) LAA RADIO WITH A MAXIMUM OF 1 TOTAL WATT, (1) CBRS RADIO WITH A MAXIMUM OF 20 TOTAL WATTS, AND (3) 28GHz/39GHz RADIOS WITH A MAXIMUM OF 1 TOTAL WATT EACH.
3. RADIO FREQUENCY – THIS SITE WILL OPERATE ON 4 BANDS: PCS (1965 MHz to 1975 MHz), AWS (2120 MHz TO 2130 MHZ AND 2170 MHZ TO 2180 MHZ), LAA (5150 MHz TO 5250 MHz AND 5745–5825 MHz) AND 28GHz/39GHz (27500 MHz TO 28300 mhZ AND 38600 MHz TO 39400 MHz)
4. MICROWAVE EXPULSION – NO MICROWAVE RADIOS WILL BE USED AT THIS SITE.
5. MAXIMUM ALLOWABLE TRANSMISSION – THE FFC THRESHOLDS IN EIRP ARE AS FOLLOWS:
  - 5.1. PCS 1640 W/MHz
  - 5.2. AWS 1640 W/MHz
  - 5.3. LAA 0.05 W/MHz
  - 5.4. CBRS 40 dBm (10W) PER 10 MHz
  - 5.5. 28GHz/39GHz 75 dBm (31623W) PER 100 MHz)

PROPOSED BACKBACK FOR 4890 RADIO AND PSU 6308 – THIS IS TO BE INSTALLED ON THE BACK OF THE POLE AND IS SHOWN HERE FOR ILLUSTRATION PURPOSES

XCEL ENERGY RF/ POWER SHUT-OFF SWITCH

THIS SWITCH SHUTS OFF ALL POWER TO TRANSMITTERS AND ANTENNAS

XCEL POWER DISCONNECT

PROPOSED DISCONNECT SIGNAGE BY VZW INSTALLED ON INTEGRATED POWER DISCONNECT BELOW D/C LEVER.

4"

6"

INFORMATION

This is a Verizon Wireless Antenna Site

Site ID: \_\_\_\_\_

For Information, call:

800-264-6620



VERIZON IDENTIFICATION

VERIZON TO INSTALL A PERMANENT PLAQUE AT 3' TO 6' IN HEIGHT DISPLAYING: POLE OWNERSHIP, UNIQUE POLE IDENTIFICATION NUMBER MATCHING POLE CODE FROM MASTER TRACKER, AND A CONTACT PHONE NUMBER FOR POLE OWNER.

PROPOSED POLE SIGNAGE

SCALE: N.T.S.

PLANS PREPARED FOR:



10000 PARK MEADOWS DR, SUITE 300  
LONE TREE, CO 80124  
(303) 489-7836

PLANS PREPARED BY:



TEP OP&O LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 566-9914

PROJECT INFORMATION:

ALCAZAR SC

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80009  
(DOUGLAS COUNTY)

| I             | O | D               | C | B | A | REV | JX COMMENTS |                        |
|---------------|---|-----------------|---|---|---|-----|-------------|------------------------|
|               |   |                 |   |   |   |     | 10-03-25    | 100% CONSTRUCTION CD's |
|               |   |                 |   |   |   |     | 07-22-25    | PRELIMINARY            |
|               |   |                 |   |   |   |     | 05-02-25    | PRELIMINARY            |
|               |   |                 |   |   |   |     | 11-03-23    | PRELIMINARY            |
|               |   |                 |   |   |   |     | 09-20-23    | PRELIMINARY            |
|               |   |                 |   |   |   |     | DATE        | ISSUED FOR:            |
| DRAWN BY: DRB |   | CHECKED BY: EGG |   |   |   |     |             |                        |

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INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS

SEAL:



I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with all applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and revision matters to and from.

December 16, 2025

APPROVED BY:

| DEVELOPMENT SERVICES |      |
|----------------------|------|
|                      | DATE |

SHEET TITLE:

POLE SIGNAGE DETAILS

SHEET 8 OF 11

REVISION:

C-7

1

TEP #: 236764.403579

## ELECTRICAL NOTES:

### SCOPE:

- PROVIDE LABOR, MATERIALS, INSPECTION, AND TESTING TO PROVIDE CODE COMPLIANCE FOR ELECTRIC, TELEPHONE, AND GROUNDING/LIGHTNING SYSTEMS.

### CODES:

- THE INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND CODES. THESE INCLUDE BUT ARE NOT LIMITED TO THE LATEST ADOPTED EDITIONS OF:
  - THE NATIONAL ELECTRICAL SAFETY CODE
  - THE NATIONAL ELECTRIC CODE – NFPA-70
  - REGULATIONS OF THE SERVING UTILITY COMPANY
  - LOCAL AND STATE AMENDMENTS
  - THE INTERNATIONAL ELECTRIC CODE – IEC (WHERE APPLICABLE)
- PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR.
- AFTER COMPLETION AND FINAL INSPECTION OF THE WORK, THE OWNER SHALL BE FURNISHED A CERTIFICATE OF COMPLETION AND APPROVAL.

### TESTING:

- UPON COMPLETION OF THE INSTALLATION, OPERATE AND ADJUST THE EQUIPMENT AND SYSTEMS TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. THE TESTING SHALL BE DONE BY QUALIFIED PERSONNEL.

### GUARANTEE:

- IN ADDITION TO THE GUARANTEE OF THE EQUIPMENT BY THE MANUFACTURER, EACH PIECE OF EQUIPMENT SPECIFIED HEREIN SHALL ALSO BE GUARANTEED FOR DEFECTS OF MATERIAL OR WORKMANSHIP OCCURRING DURING A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND WITHOUT EXPENSE TO THE OWNER.
- THE WARRANTY CERTIFICATES & GUARANTEES FURNISHED BY THE MANUFACTURERS SHALL BE TURNED OVER TO THE OWNER.

### UTILITY CO-ORDINATION:

- CONTRACTOR SHALL COORDINATE WORK WITH THE POWER AND TELEPHONE COMPANIES AND SHALL COMPLY WITH THE SERVICE REQUIREMENTS OF EACH UTILITY COMPANY.

### EXAMINATION OF SITE:

- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE JOB AND SHALL FAMILIARIZE HIMSELF WITH THE CONDITIONS AFFECTING THE PROPOSED ELECTRICAL INSTALLATION AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FAILURE TO COMPLY WITH THE INTENT OF THIS SECTION WILL IN NO WAY RELIEVE THE CONTRACTOR OF PERFORMING THE WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM OR SYSTEMS.

### CUTTING, PATCHING AND EXCAVATION:

- COORDINATION OF SLEEVES, CHASES, ETC., BETWEEN SUBCONTRACTORS WILL BE REQUIRED PRIOR TO THE CONSTRUCTION OF ANY PORTION OF THE WORK. CUTTING AND PATCHING OF WALLS, PARTITIONS, FLOORS, AND CHASES IN CONCRETE, WOOD, STEEL OR MASONRY SHALL BE DONE AS PROVIDED ON THE DRAWINGS.
- NECESSARY EXCAVATIONS AND BACKFILLING INCIDENTAL TO THE ELECTRICAL WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWING.
- SEAL PENETRATIONS THROUGH RATED WALLS, FLOORS, ETC., WITH APPROVED METHOD AS LISTED BY UL.

### RACEWAYS / CONDUITS GENERAL:

- CONDUCTORS SHALL BE INSTALLED IN LISTED RACEWAYS. CONDUIT SHALL BE RIGID STEEL, EMT, SCH40 PVC, OR SCH80PVC AS INDICATED ON THE DRAWINGS. THE RACEWAY SYSTEM SHALL BE COMPLETE COMPLETE BEFORE INSTALLING CONDUCTORS.
- EXTERIOR RACEWAYS AND GROUNDING SLEEVES SHALL BE SEALED AT POINTS OF ENTRANCE AND EXIT. THE RACEWAY SYSTEM SHALL BE BONDED PER NEC.

### EXTERIOR CONDUIT:

- EXPOSED CONDUIT SHALL BE NEATLY INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL.
- THE CONDUIT SHALL BE RIGID STEEL AT GRADE TRANSITIONS OR WHERE EXPOSED TO DAMAGE.
- UNDERGROUND CONDUITS SHALL BE RIGID STEEL, SCH40 PVC, OR SCH80 PVC AS INDICATED ON THE DRAWINGS.
- BURIAL DEPTH OF CONDUITS SHALL BE AS REQUIRED BY CODE FOR EACH SPECIFIC CONDUIT TYPE AND APPLICATION, BUT SHALL NOT BE LESS THAN THE FROST DEPTH AT THE SITE.
- CONDUIT ROUTES ARE SCHEMATIC. CONTRACTOR SHALL FIELD VERIFY ROUTES BEFORE BID. COORDINATE ROUTE WITH WIRELESS CARRIER AND/OR BUILDING OWNER.

### INTERIOR CONDUIT:

- CONCEALED CONDUIT IN WALLS OR INTERIOR SPACES ABOVE GRADE MAY BE EMT OR PVC.
- CONDUIT RUNS SHALL USE APPROVED COUPLINGS AND CONNECTORS. PROVIDE INSULATED BUSHING FOR ALL CONDUIT TERMINATIONS. CONDUIT RUNS IN A WET LOCATION SHALL HAVE WATERPROOF FITTINGS.
- PROVIDE SUPPORTS FOR CONDUITS IN ACCORDANCE WITH NEC REQUIREMENTS. CONDUITS SHALL BE SIZED AS REQUIRED BY NEC.

### EQUIPMENT:

- DISCONNECT SWITCHES SHALL BE SERVICE ENTRANCE RATED, HEAVY DUTY TYPE.
- CONTRACTOR SHALL VERIFY MAXIMUM AVAILABLE FAULT CURRENT AND COORDINATE INSTALLATION WITH THE LOCAL UTILITY BEFORE STARTING WORK. CONTRACTOR WILL VERIFY THAT EXISTING CIRCUIT BREAKERS ARE RATED FOR MORE THAN AVAILABLE FAULT CURRENT AND REPLACE AS NECESSARY.
- NEW CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AS DETERMINED BY THE LOCAL UTILITY.

### CONDUCTORS:

- FURNISH AND INSTALL CONDUCTORS SPECIFIED IN THE DRAWINGS. CONDUCTORS SHALL BE COPPER AND SHALL HAVE TYPE THWN (MIN) (75° C) INSULATION, RATED FOR 600 VOLTS.
- THE USE OF ALUMINUM CONDUCTORS SHALL BE LIMITED TO THE SERVICE FEEDERS INSTALLED BY THE UTILITY.
- CONDUCTORS SHALL BE PROVIDED AND INSTALLED AS FOLLOWS:
  - MINIMUM WIRE SIZE SHALL BE #12 AWG.
  - CONDUCTORS SIZE #8 AND LARGER SHALL BE STRANDED. CONDUCTORS SIZED #10 AND #12 MAY BE SOLID OR STRANDED.
  - CONNECTION FOR #10 AWG #12 AWG SHALL BE BY TWISTING TIGHT AND INSTALLING INSULATED PRESSURE OR WIRE NUT CONNECTIONS.
  - CONNECTION FOR #8 AWG AND LARGER SHALL BE BY USE OF STEEL CRIMP-ON SLEEVES WITH NYLON INSULATOR.
- CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC STANDARDS.

### UL COMPLIANCE:

- ELECTRICAL MATERIALS, DEVICES, CONDUCTORS, APPLIANCES, AND EQUIPMENT SHALL BE LABELED/LISTED BY UL OR ACCEPTED BY JURISDICTION (I.E., LOCAL COUNTY OR STATE) APPROVED THIRD PARTY TESTING AGENCY.

### GROUNDING:

- ELECTRICAL NEUTRALS, RACEWAYS AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250. THIS SHALL INCLUDE NEUTRAL CONDUCTORS, CONDUITS, SUPPORTS, CABINETS, BOXES, GROUND BUSSES, ETC. THE NEUTRAL CONDUCTOR FOR EACH SYSTEM SHALL BE GROUNDED AT A SINGLE POINT.
- PROVIDE GROUND CONDUCTOR IN RACEWAYS PER NEC.
- PROVIDE BONDING AND GROUND TO MEET NFPA 780 – "LIGHTNING PROTECTION" AS A MINIMUM.
- PROVIDE GROUNDING SYSTEM AS INDICATED ON THE DRAWINGS, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, RADIO EQUIPMENT MANUFACTURERS, AND MOTOROLA R56 (AS APPLICABLE).

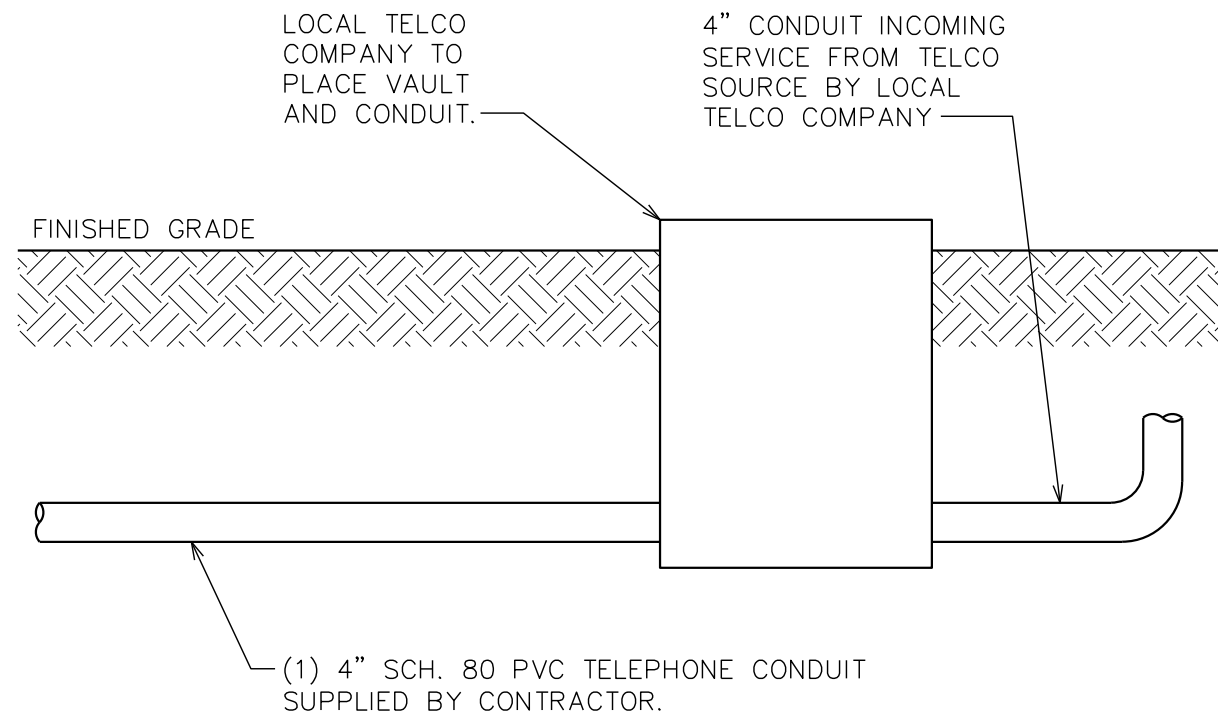
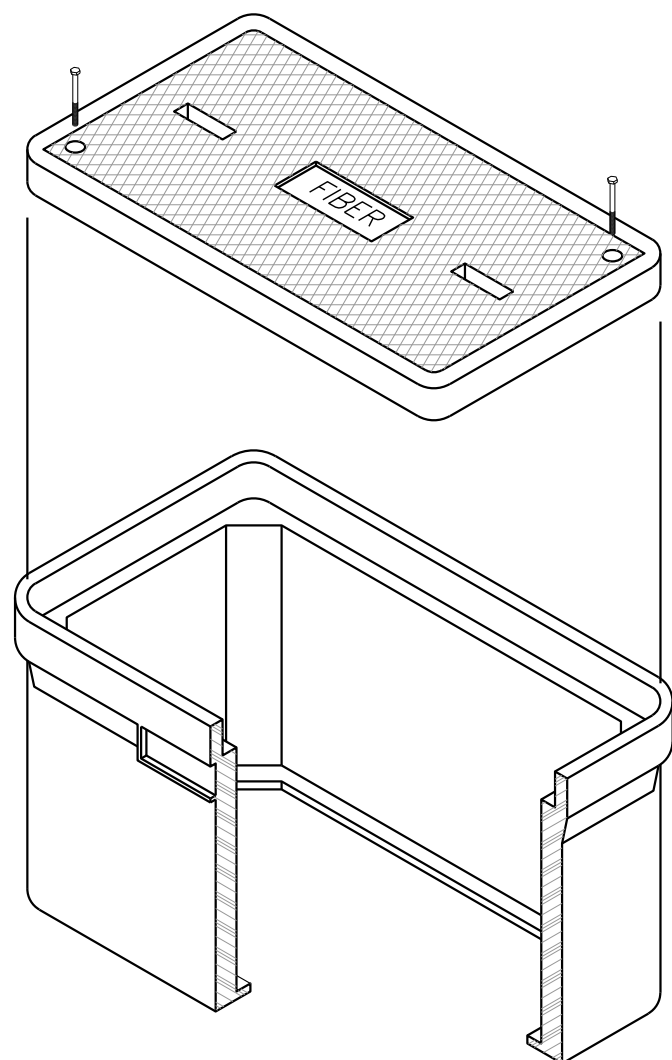
## ABBREVIATIONS AND LEGEND

|      |   |                               |       |   |                                |
|------|---|-------------------------------|-------|---|--------------------------------|
| A    | – | AMPERE                        | PNLBD | – | PANELBOARD                     |
| AFG  | – | ABOVE FINISHED GRADE          | PVC   | – | RIGID NON-METALLIC CONDUIT     |
| ATS  | – | AUTOMATIC TRANSFER SWITCH     | RGS   | – | RIGID GALVANIZED STEEL CONDUIT |
| AWG  | – | AMERICAN WIRE GAUGE           | SW    | – | SWITCH                         |
| BCW  | – | BARE COPPER WIRE              | TGB   | – | TOWER GROUND BAR               |
| BFG  | – | BELOW FINISHED GRADE          | UL    | – | UNDERWRITERS LABORATORIES      |
| BKR  | – | BREAKER                       | V     | – | VOLTAGE                        |
| C    | – | CONDUIT                       | W     | – | WATTS                          |
| CKT  | – | CIRCUIT                       | XFMR  | – | TRANSFORMER                    |
| DISC | – | DISCONNECT                    | XMTR  | – | TRANSMITTER                    |
| EGR  | – | EXTERNAL GROUND RING          |       |   |                                |
| EMT  | – | ELECTRIC METALLIC TUBING      |       |   |                                |
| FSC  | – | FLEXIBLE STEEL CONDUIT        |       |   |                                |
| GEN  | – | GENERATOR                     |       |   |                                |
| GPS  | – | GLOBAL POSITIONING SYSTEM     |       |   |                                |
| GRD  | – | GROUND                        |       |   |                                |
| IGB  | – | ISOLATED GROUND BAR           |       |   |                                |
| IGR  | – | INTERIOR GROUND RING (HALO)   |       |   |                                |
| KW   | – | KILOWATTS                     |       |   |                                |
| NEC  | – | NATIONAL ELECTRIC CODE        |       |   |                                |
| PCS  | – | PERSONAL COMMUNICATION SYSTEM |       |   |                                |
| PH   | – | PHASE                         |       |   |                                |
| PNL  | – | PANEL                         |       |   |                                |

|       |                                              |
|-------|----------------------------------------------|
| — — — | UNDERGROUND ELECTRICAL CONDUIT               |
| — — — | UNDERGROUND TELEPHONE CONDUIT                |
|       | KILOWATT-HOUR METER                          |
| — — — | UNDERGROUND BONDING AND GROUNDING CONDUCTOR. |
| Ø     | GROUND ROD                                   |
| ●     | CADWELD                                      |
| ⊗     | GROUND ROD WITH INSPECTION WELL              |

## ELECTRICAL NOTES

SCALE: N.T.S.



## TYPICAL FIBER VAULT DETAILS

SCALE: N.T.S.

## UTILITY PLAN SCHEDULE

| ITEM                                               | QTY/<br>DISTANCE | DESCRIPTION          | PROVIDED BY | INSTALLED BY |
|----------------------------------------------------|------------------|----------------------|-------------|--------------|
| TRANSFORMER                                        | —                | —                    | CORE        | CORE         |
| UTILITY POLES                                      | —                | —                    | CORE        | CORE         |
| OVERHEAD LINES                                     | —                | —                    | CORE        | CORE         |
| UTILITY POLE RISERS                                | —                | —                    | CORE        | CORE         |
| CONDUCTORS, METER PEDESTAL TO EXISTING TRANSFORMER | —                | —                    | CORE        | CORE         |
| CONDUITS, POWER PANEL TO METER PEDESTAL            | 25'±             | 2"Ø PVC              | VERIZON     | VERIZON      |
| CONDUCTORS, MONOPOLE TO METER PEDESTAL             | 25'±             | (3)–#4 CU CONDUCTORS | VERIZON     | VERIZON      |
| METER CANISTER                                     | —                | SINGLE METER         | VERIZON     | VERIZON      |
| METERING DEVICE                                    | —                | —                    | CORE        | CORE         |
| SERVICE DISCONNECT                                 | —                | PROPOSED 60A         | VERIZON     | VERIZON      |
| METER PEDESTAL                                     | 1                | PROPOSED             | CORE        | CORE         |

## POWER NOTES:

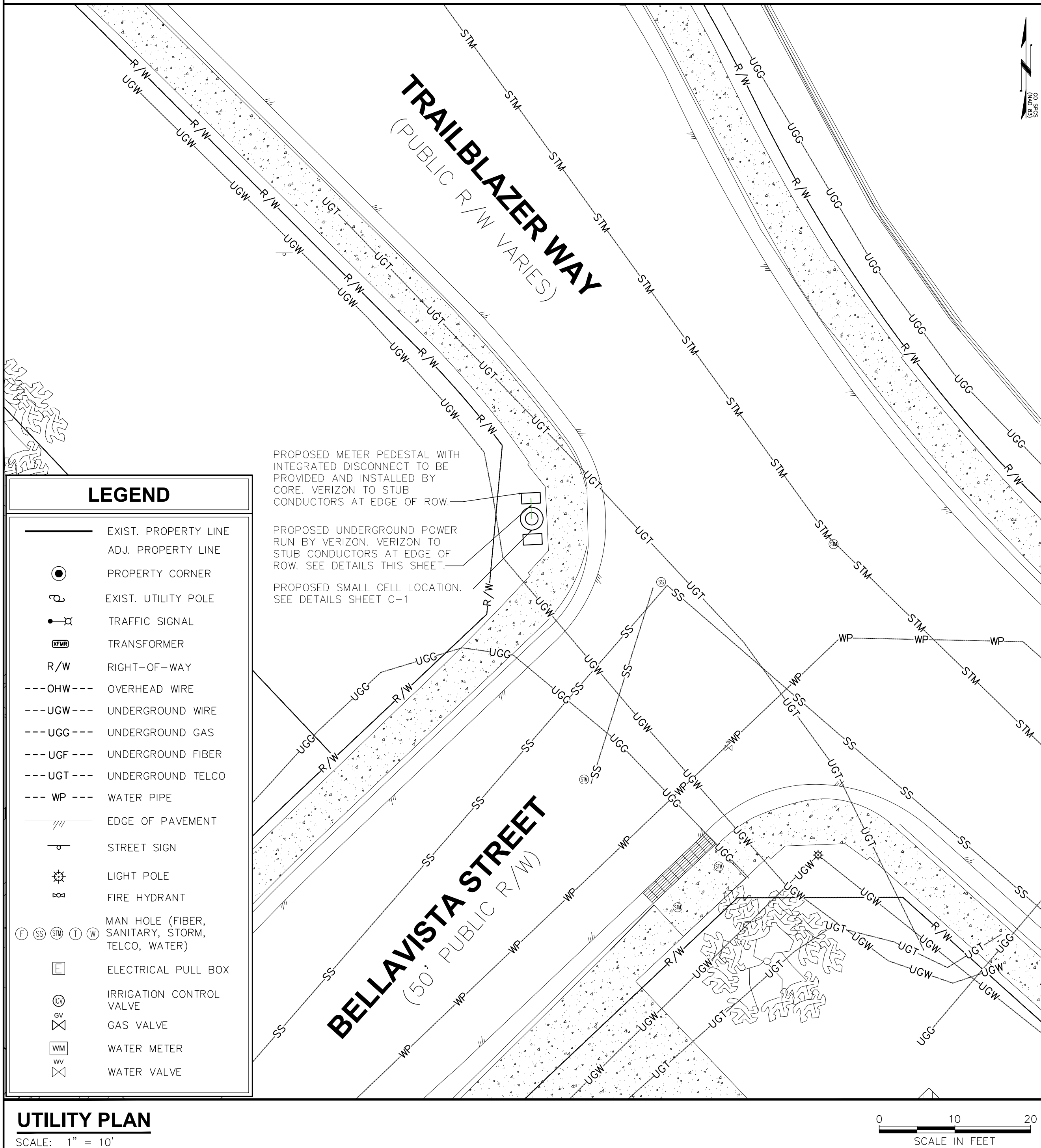
PROVIDER: CORE  
CONTACT: CUSTOMER SERVICE  
PHONE: (303) 688-3100  
POWER RUN: 25'±  
SERVICE No:  
W.O. No:

### SERVICE NOTES:

- VERIZON ELECTRICAL SERVICE SHALL BE 125A, 120/240V, 1Ø, 3W.
- PROVIDE LEVER TYPE SERVICE DISCONNECT

### CONSTRUCTION NOTES:

- CONTRACTOR TO RUN UNDERGROUND POWER LINES FROM PROPOSED ELECTRIC VAULT TO PROPOSED VERIZON SMALL CELL.
- CONTRACTOR TO SUPPLY AND INSTALL ALL TRENCHES AND CONDUIT FROM PROPOSED ELECTRIC VAULT TO PROPOSED VERIZON SMALL CELL.
- WIRING SHALL INCLUDE (3)–AWG #4 CU CONDUCTORS IN 2" PVC CONDUIT.
- INSPECTION MUST BE COMPLETE, METER TAGGED AND SITE ADDRESSED BEFORE SERVICE IS ENERGIZED.
- CONTRACTOR TO HAND DIG WITHIN 18" OF GAS LINE.



## UTILITY PLAN

SCALE: 1" = 10'

PLANS PREPARED FOR:

**verizon**

10000 PARK MEADOWS DR. SUITE 300  
LOVE TREE, CO 80124  
(303) 489-7836

PLANS PREPARED BY:

**TEP**

TEP OPCO LLC

4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 566-9914

PROJECT INFORMATION:

**ALCAZAR SC**

2681 TRAILBLAZER WAY  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| REV | DATE     | ISSUED FOR:            | CHECKED BY: | EGG |
|-----|----------|------------------------|-------------|-----|
| 1   | 12-16-25 | 100% CONSTRUCTION CD's | DEB         |     |
| 0   | 10-03-25 | PRELIMINARY            |             |     |
| D   | 07-22-25 | PRELIMINARY            |             |     |
| C   | 05-02-25 | PRELIMINARY            |             |     |
| B   | 11-03-23 | PRELIMINARY            |             |     |
| A   | 09-20-23 | PRELIMINARY            |             |     |

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APPROVED BY:

INDemnIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



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APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:  
**ELECTRICAL  
NOTES &  
UTILITY PLAN**

SHEET 9 OF 11 REVISION:

**E-1** 1  
TEP #: 236764.403579

### MAXIMUM PANEL SCHEDULE - 125A, 120/240V, 1Ø, 3W

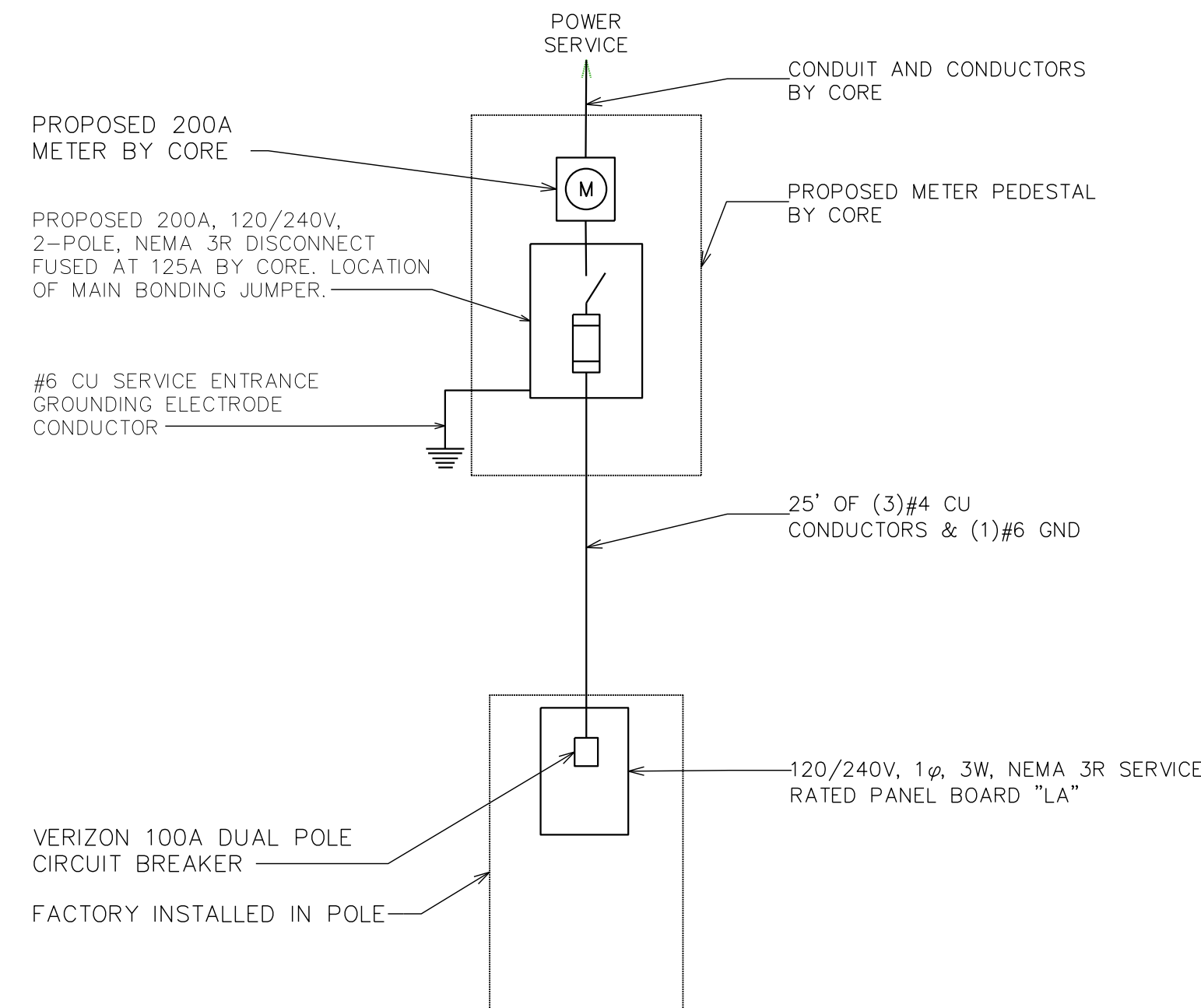
| LOAD SERVED     | VOLT AMPERES (WATTS) |      | TRIP | CKT # | PHASE | CKT #            | TRIP            | VOLT AMPERES (WATTS) |    | LOAD SERVED   |
|-----------------|----------------------|------|------|-------|-------|------------------|-----------------|----------------------|----|---------------|
|                 | L1                   | L2   |      |       |       |                  |                 | L1                   | L2 |               |
| 6308 RECTIFIER  | 2000                 |      | 30A  | 1     | A     | 2                | 20A             | 80                   |    | AIR1672 ALPHA |
|                 |                      | 2000 |      | 3     | B     | 4                | 20A             |                      | 80 | AIR1672 BETA  |
| GFCI            | 180                  |      | 20A  | 5     | A     | 6                | 20A             | 80                   |    | AIR1672 GAMMA |
| FANS            |                      | 600  | 20A  | 7     | B     | 8                | -               |                      | -  | SPARE         |
| -               | -                    | -    | -    | 9     | A     | 10               | -               | -                    | -  | SPARE         |
| SPARE           | -                    | -    | -    | 11    | B     | 12               | -               | -                    | -  | SPARE         |
| VOLT AMPS       | 2180                 | 2600 |      |       |       |                  |                 | 180                  | 80 | VOLT AMPS     |
| L1 VOLT AMPERES |                      |      |      | 2360  |       | 2680             | L2 VOLT AMPERES |                      |    |               |
|                 |                      |      |      |       | 2680  | MAX VOLT AMPERES |                 |                      |    |               |
|                 |                      |      |      |       | 22.33 | MAX AMPS         |                 |                      |    |               |
|                 |                      |      |      |       | 27.92 | AMPS X 125%      |                 |                      |    |               |

#### NOTES:

- ELECTRICAL SERVICE SHALL BE 125A, 120/240V, 1Ø 3 WIRE.
- SERVICE SHALL BE INSTALLED WITH A LEVER TYPE DISCONNECT.
- FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER TO VENDOR PRINTS PROVIDED BY EQUIPMENT CABINET MANUFACTURER.
- METER, PEDESTAL AND METER BY CORE. SEE INTERNAL WIRING DIAGRAM PROVIDED BY MANUFACTURES.
- WIRE AND CONDUIT SIZE BASED OFF A 25' POWER RUN WITH 28A AVAILABLE SERVICE. IF MORE THAN 200A OF CONDUIT IS USED, CONTACT TEP FOR NEW SIZING.
- VERIZON SMALL CELL TOWER TO PULL 27.92A FROM ELECTRICAL SERVICE.

### POWER PANEL SCHEDULE

SCALE: N.T.S.

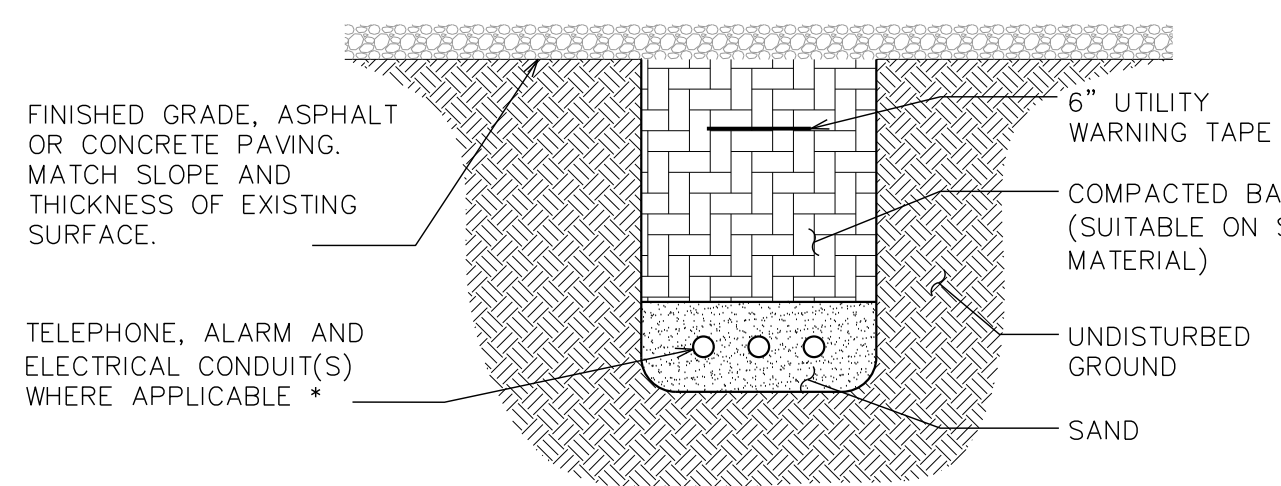


### ONE LINE DIAGRAM

SCALE: N.T.S.

#### NOTES:

- ACTUAL SEPARATION OF CONDUITS TO BE DETERMINED BY SITE SPECIFIC REQUIREMENTS.
- PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
- PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLES, EQUIPMENT, ETC.)
- PROVIDE RGS CONDUIT FOR INSTALLATIONS BELOW PARKING LOTS AND ROADWAYS.



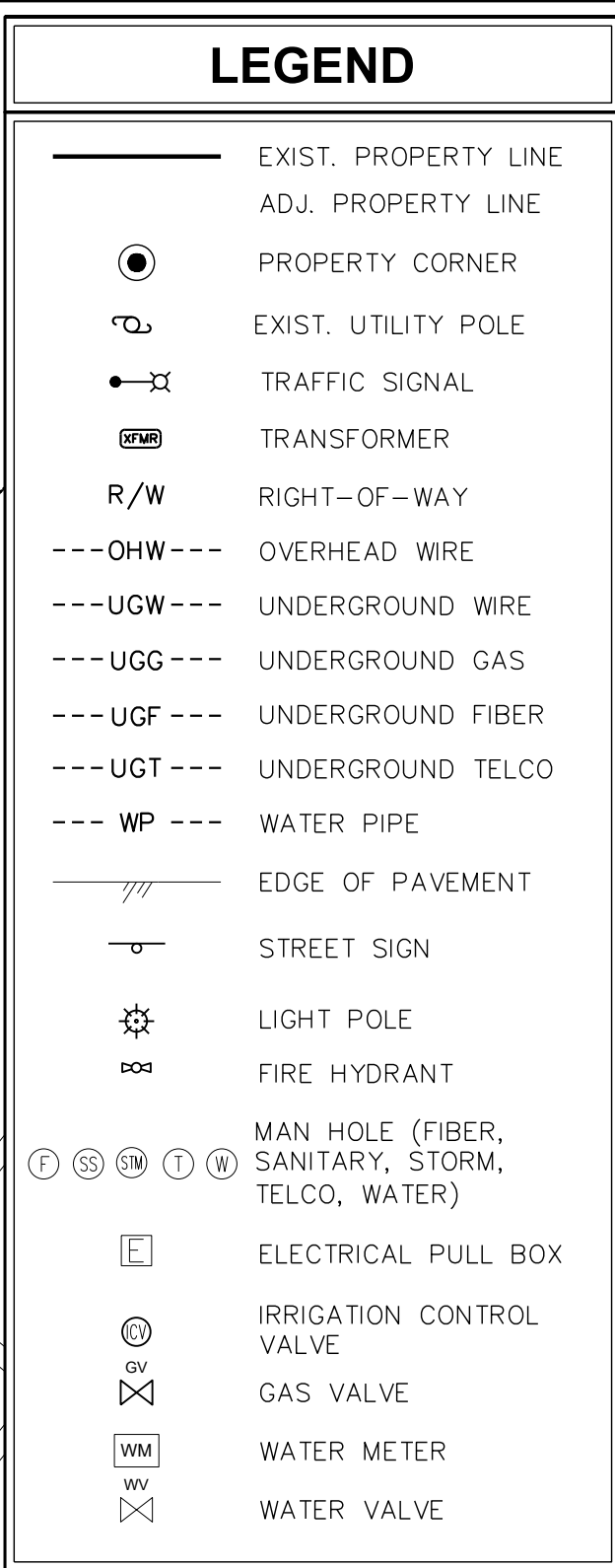
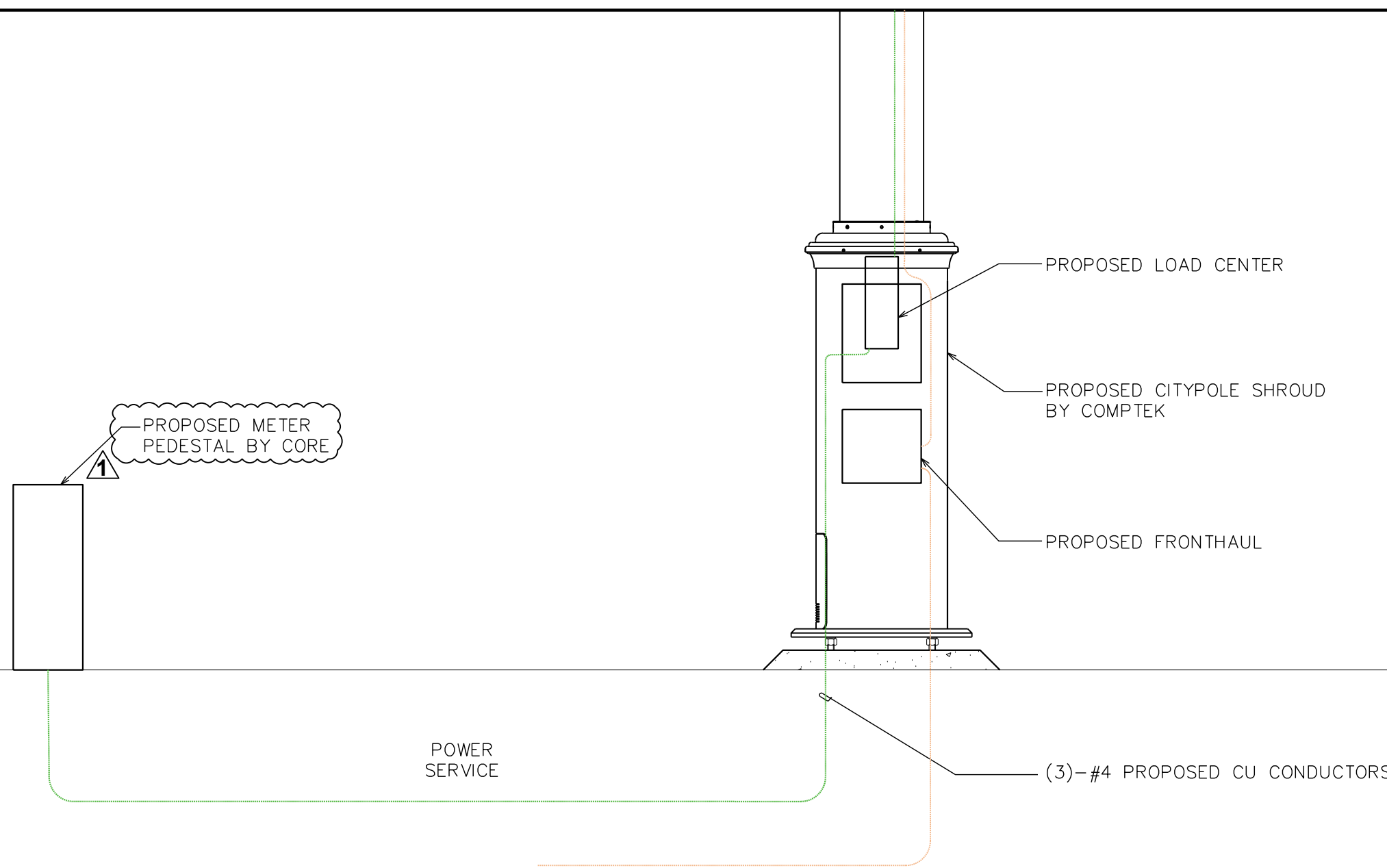
\* SEPARATION DIMENSIONS TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.

### UNDERGROUND CONDUIT(S) TRENCHING DETAIL

SCALE: N.T.S.

### ONE-LINE ELEVATION

SCALE: N.T.S.

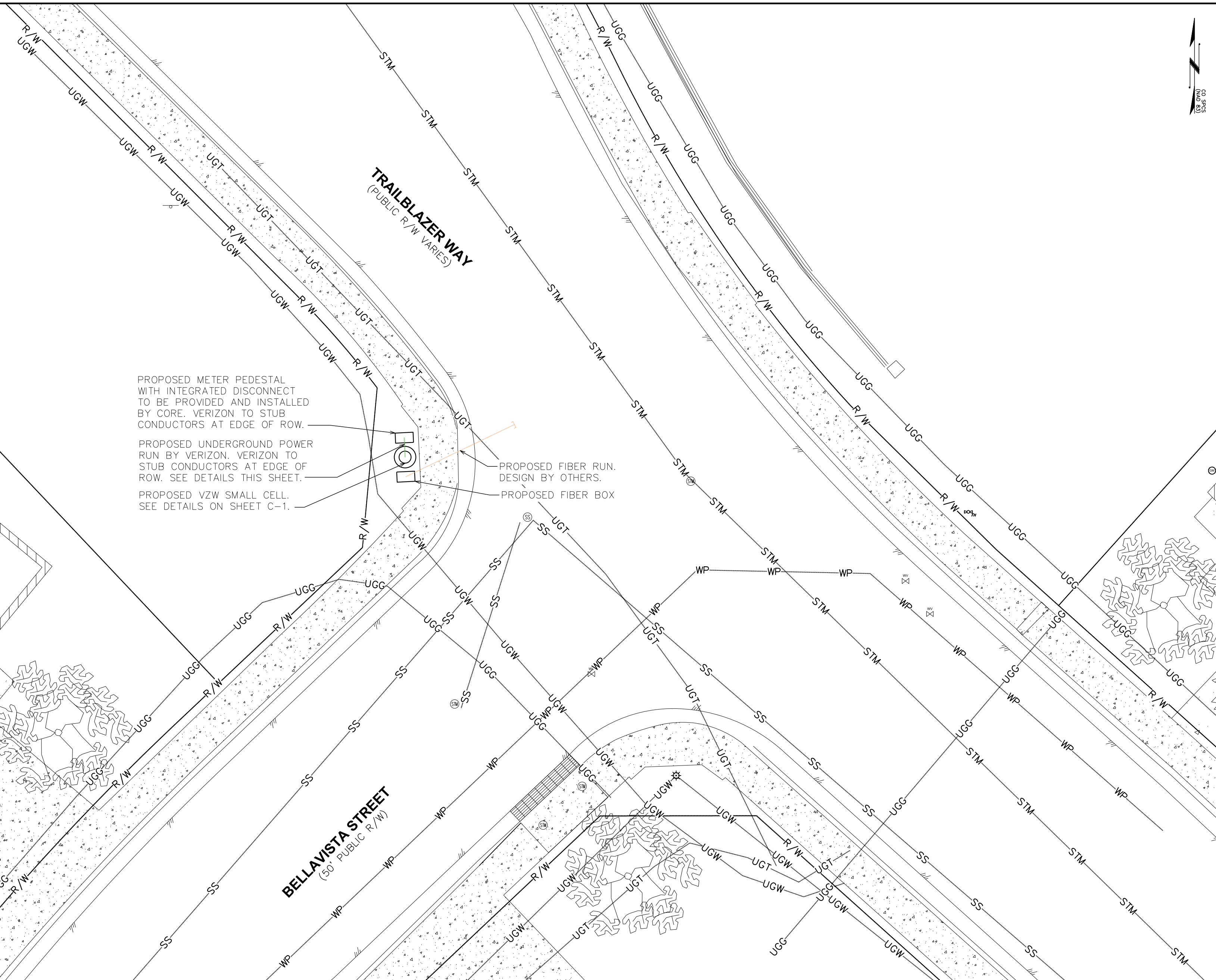


#### NOTE:

CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

### POWER AND TELCO ROUTING PLAN

SCALE: 1" = 10'-0"



PLANS PREPARED FOR:

**verizon**

10000 PARK MEADOWS DR., SUITE 300  
LOWE, CO 80124  
(303) 469-7836

PLANS PREPARED BY:

**TEP**

TEP OP&CO LLC  
4570 IVY ST SUITE B-100  
DENVER, CO 80216  
OFFICE: (303) 666-9914

PROJECT INFORMATION:

**ALCAZAR SC**

2681 TRAILBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| JX COMMENTS   | 100% CONSTRUCTION CD's |
|---------------|------------------------|
| I             | 12-16-25               |
| D             | 10-03-25               |
| O             | 07-22-25               |
| C             | 05-02-25               |
| B             | 11-03-23               |
| A             | 09-20-23               |
| REV           | DATE                   |
| DRAWN BY: DRB | CHECKED BY: EGG        |

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INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



Scale will indicate Town of Castle Rock and shall conform to Colorado standards and statutes, respectively, and shall be the responsibility for all design and revisions relative to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE APPROVED FOR THE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:

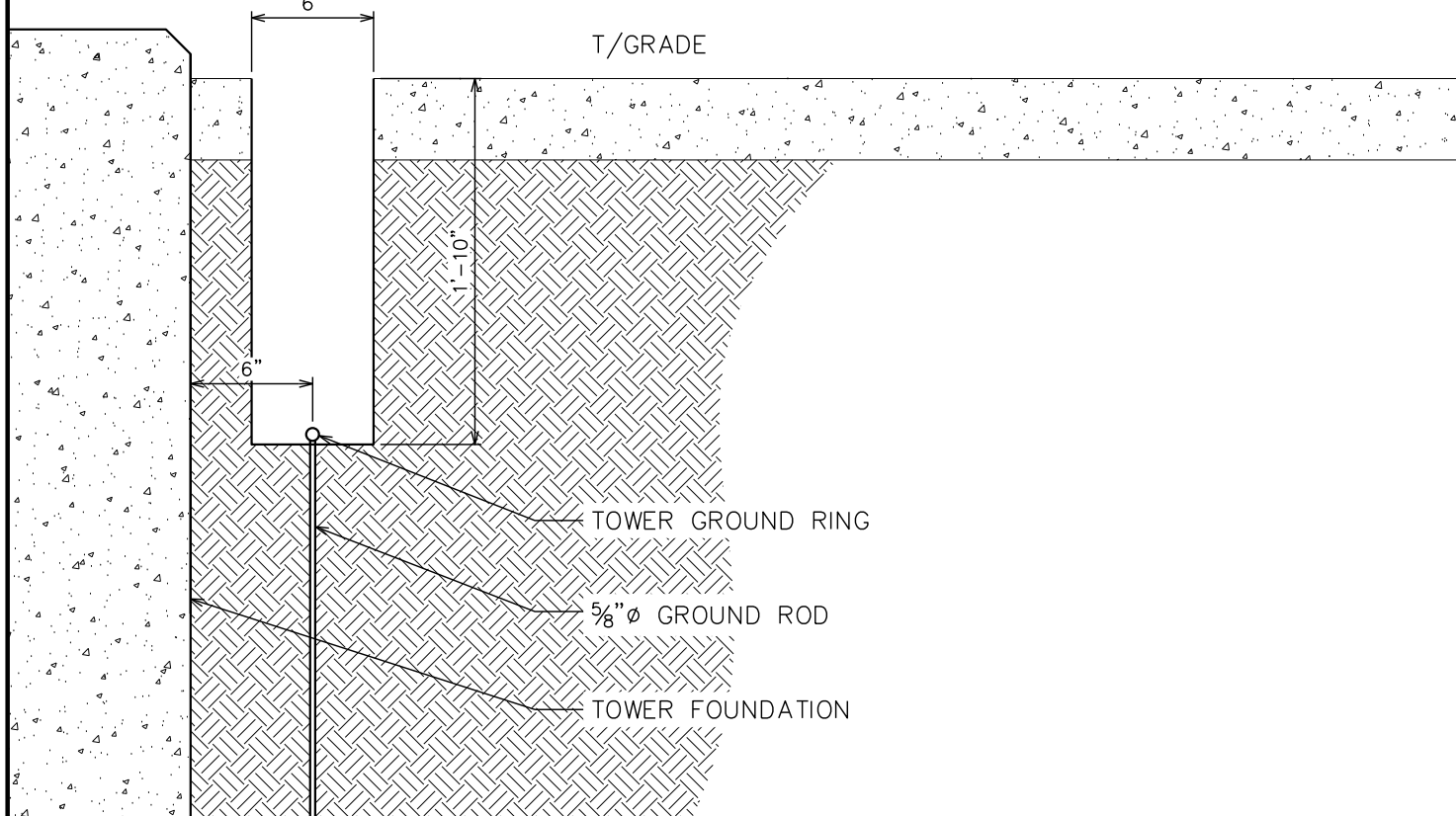
**ELECTRICAL DETAILS**

SHEET 10 OF 11 REVISION:

**E-2** 1

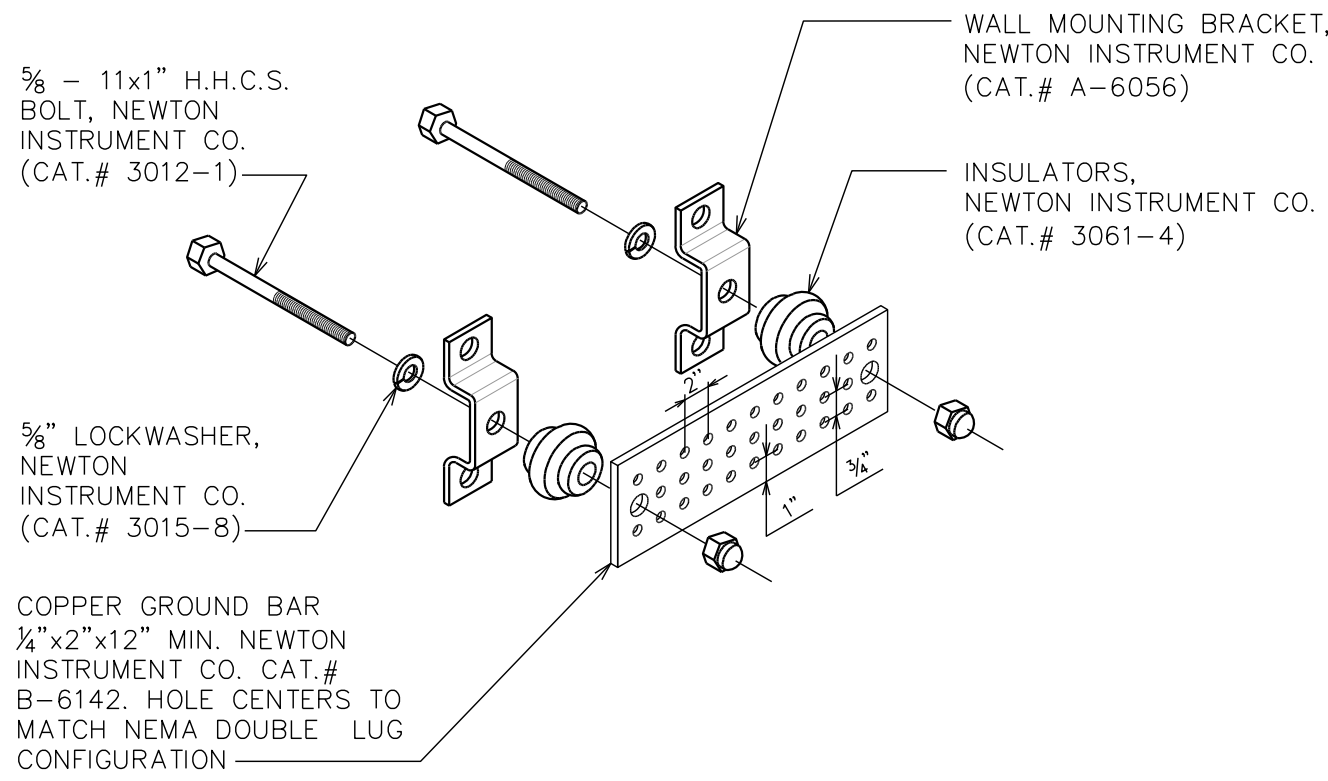
TEP #: 236764.403579

**TRENCH DETAIL**  
SCALE: N.T.S.



**NOTES:**

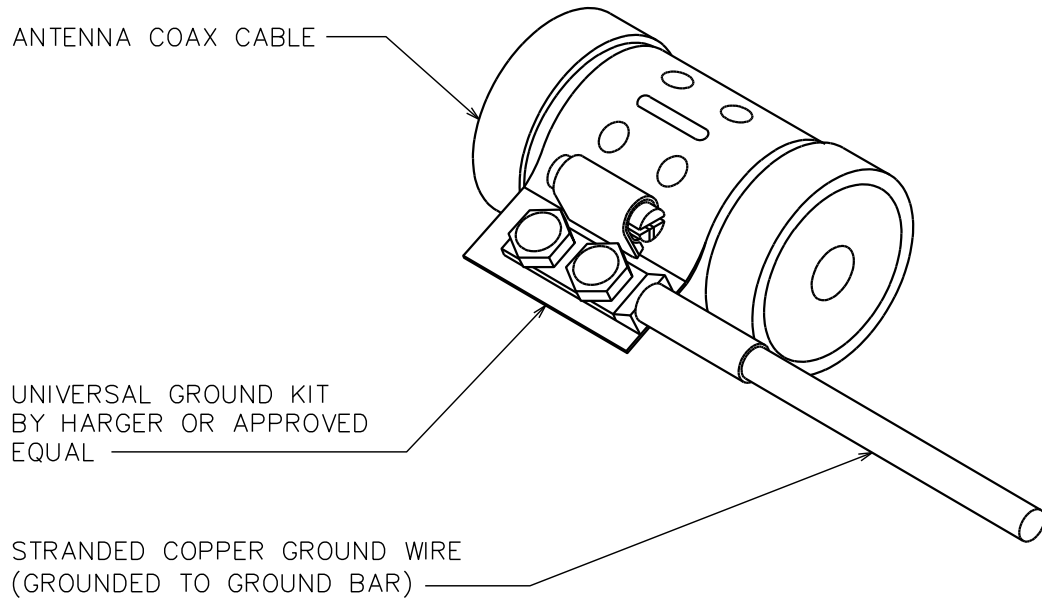
GROUND BAR SHALL BE SIZED TO ACCOMMODATE ALL GROUNDING CONNECTIONS REQUIRED AS WELL AS PROVIDE 50% SPARE CAPACITY.



**STANDARD GROUND BAR DETAIL**  
SCALE: N.T.S.

**NOTES:**

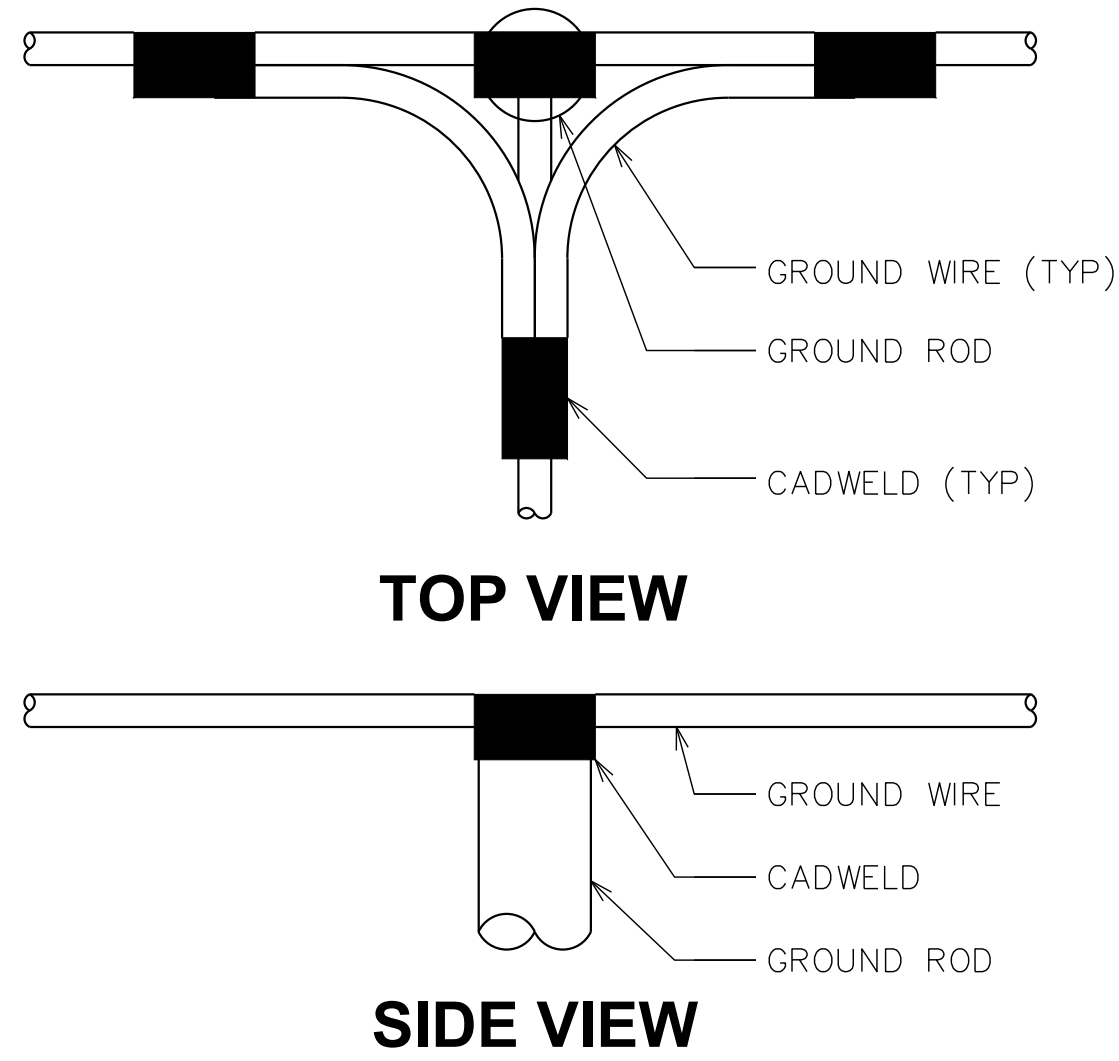
DO NOT INSTALL COAX GROUND KIT AT A BEND.  
CONTRACTOR TO WEATHERPROOF COAX GROUND.



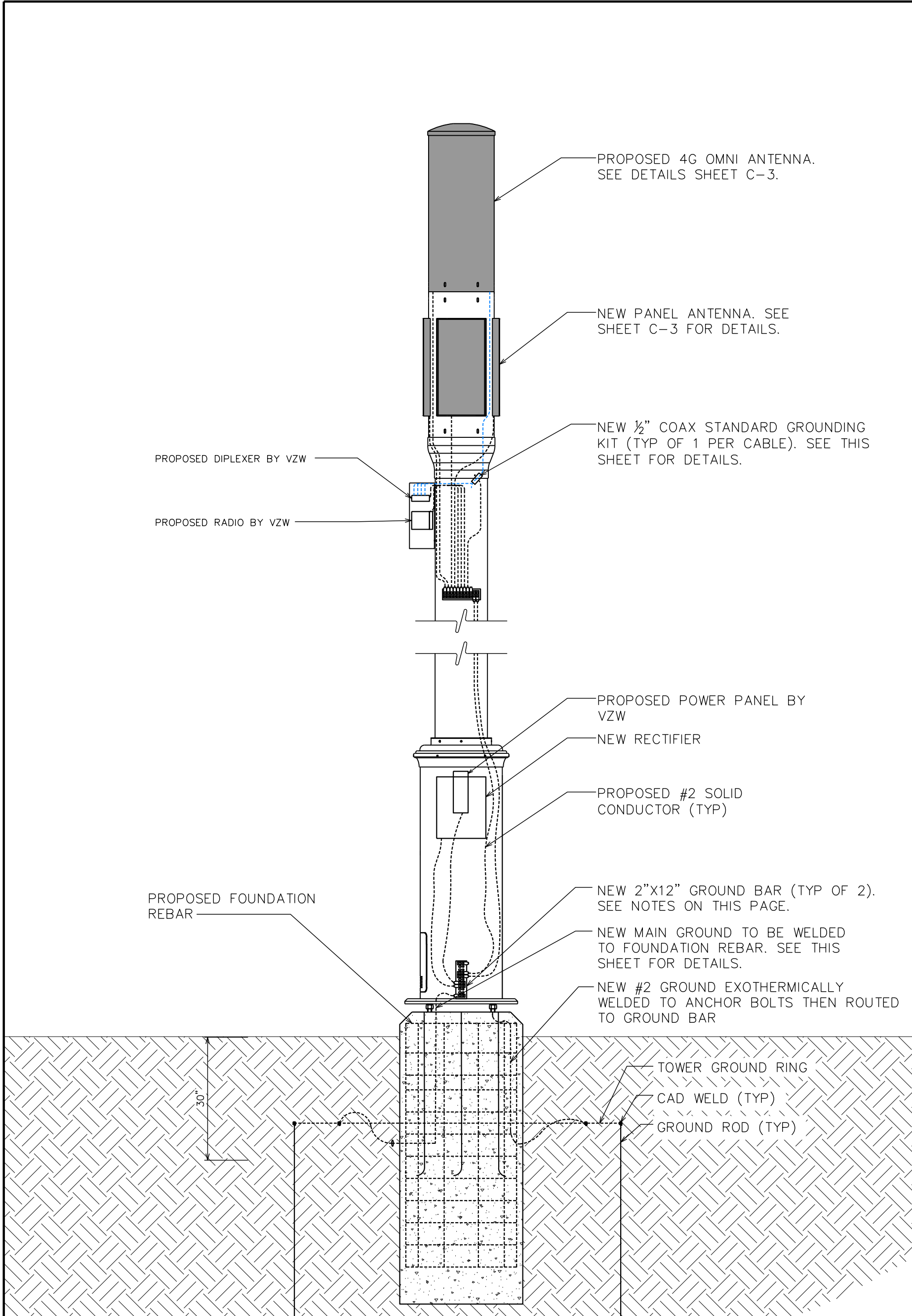
**COAX GROUND KIT DETAILS**  
SCALE: N.T.S.

**NOTE:**

MINIMUM SPACING OF 12" BETWEEN ALL CADWELDS



**UFER GROUNDING DETAIL**  
SCALE: N.T.S.



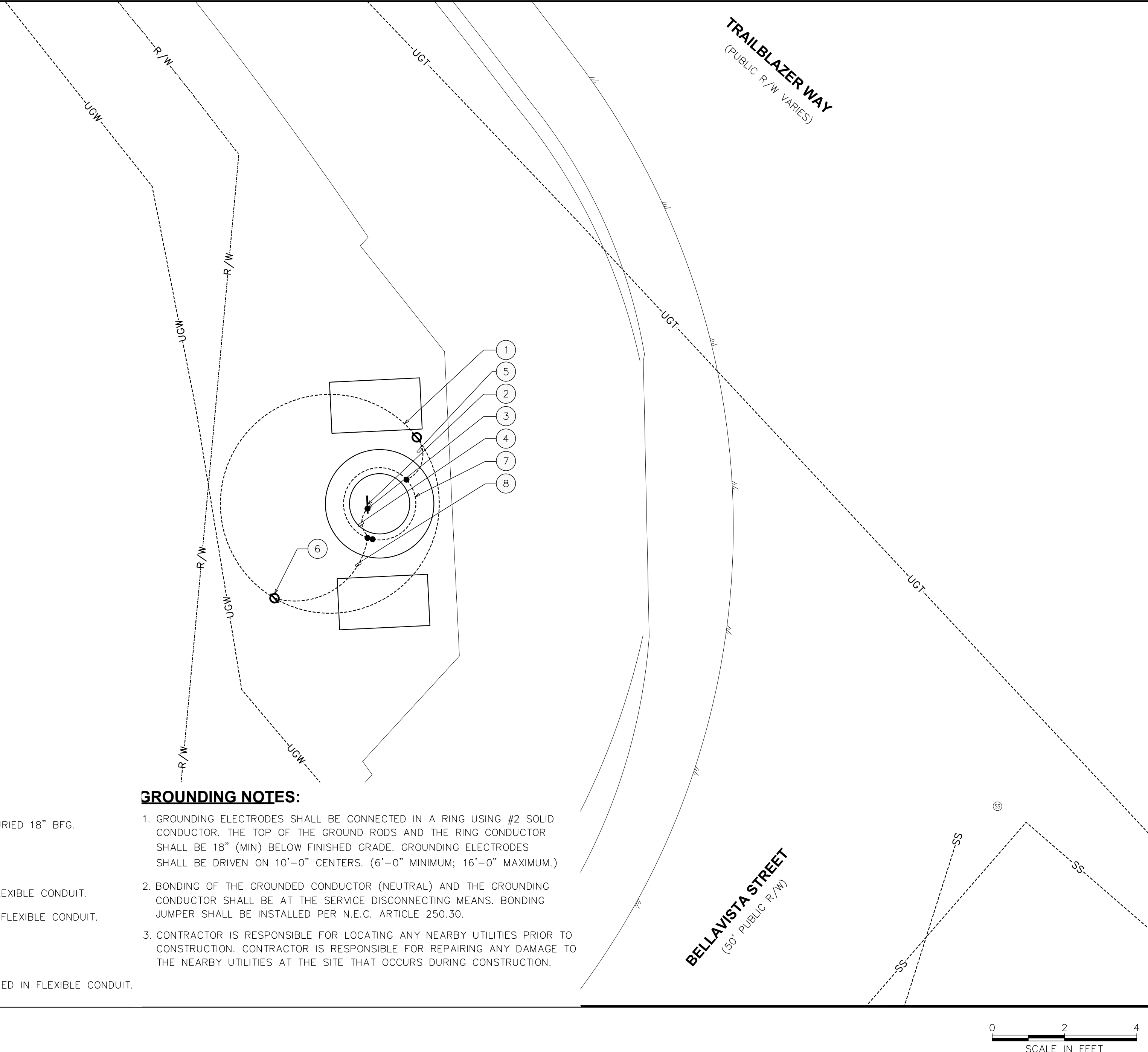
**TOWER & EQUIPMENT GROUNDING ELEVATION**  
SCALE: N.T.S.

| LEGEND    |                                                 |
|-----------|-------------------------------------------------|
|           | EXIST. PROPERTY LINE                            |
|           | ADJ. PROPERTY LINE                              |
|           | PROPERTY CORNER                                 |
|           | EXIST. UTILITY POLE                             |
|           | TRAFFIC SIGNAL                                  |
|           | TRANSFORMER                                     |
| R/W       | RIGHT-OF-WAY                                    |
| ---OHW--- | OVERHEAD WIRE                                   |
| ---UCW--- | UNDERGROUND WIRE                                |
| ---UGG--- | UNDERGROUND GAS                                 |
| ---UGF--- | UNDERGROUND FIBER                               |
| ---UGT--- | UNDERGROUND TELCO                               |
| ---WP---  | WATER PIPE                                      |
|           | EDGE OF PAVEMENT                                |
|           | STREET SIGN                                     |
|           | LIGHT POLE                                      |
|           | FIRE HYDRANT                                    |
|           | MAN HOLE (FIBER, SANITARY, STORM, TELCO, WATER) |
|           | ELECTRICAL PULL BOX                             |
|           | IRRIGATION CONTROL VALVE                        |
|           | GAS VALVE                                       |
|           | WATER METER                                     |
|           | WATER VALVE                                     |

**DRAWING NOTES:**

- 1 TOWER GROUND RING- #2 COPPER CONDUCTOR-BARE TINNED, BURIED 18" BFG.
- 2 EQUIPMENT GROUND BAR
- 3 CAD WELD (TYP)
- 4 GROUND BAR LEAD- #2 COPPER CONDUCTOR-BARE TINNED IN FLEXIBLE CONDUIT.
- 5 TOWER GROUND LEAD- #2 COPPER CONDUCTOR-BARE TINNED IN FLEXIBLE CONDUIT.
- 6 3/8" x 10' COPPER GROUND ROD (TYP)
- 7 FOUNDATION REBAR
- 8 ANCHOR BOLT GROUND LEAD-#2 COPPER CONDUCTOR-BARE TINNED IN FLEXIBLE CONDUIT.

**GROUNDING PLAN**  
SCALE: 1/2" = 1'-0"



**GROUNDING NOTES:**

1. GROUNDING ELECTRODES SHALL BE CONNECTED IN A RING USING #2 SOLID CONDUCTOR. THE TOP OF THE GROUND RODS AND THE RING CONDUCTOR SHALL BE 18" (MIN) BELOW FINISHED GRADE. GROUNDING ELECTRODES SHALL BE DRIVEN ON 10'-0" CENTERS. (6'-0" MINIMUM; 16'-0" MAXIMUM.)
2. BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250.30.
3. CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY NEARBY UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE NEARBY UTILITIES AT THE SITE THAT OCCURS DURING CONSTRUCTION.

PLANS PREPARED FOR:  
**verizon**  
10000 PARK MEADOWS DR, SUITE 300  
LONE TREE, CO 80124  
(303) 489-7836

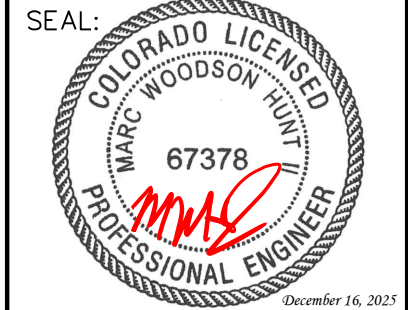
PLANS PREPARED BY:  
**TEP**  
TEP OP&C LLC  
4570 IVY ST SUITE B-100  
DENVER CO 80216  
OFFICE: (303) 566-9914

PROJECT INFORMATION:  
**ALCAZAR SC**  
2681 TRALEBLAZER WAY,  
CASTLE ROCK, CO 80109  
(DOUGLAS COUNTY)

| J.Y. COMMENTS |          | 100% CONSTRUCTION CD's |
|---------------|----------|------------------------|
| I             | 12-16-25 | PRELIMINARY            |
| O             | 10-03-25 | PRELIMINARY            |
| D             | 07-22-25 | PRELIMINARY            |
| C             | 05-02-25 | PRELIMINARY            |
| B             | 11-03-23 | PRELIMINARY            |
| A             | 08-20-23 | ISSUED FOR:            |
| REV           | DATE     | CHECKED BY: EGG        |

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INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS



I hereby affirm that these design plans were prepared under my direct supervision, in accordance with all applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and revisions related to said plans.

TOWN OF CASTLE ROCK APPROVAL PLANS ARE UPON REVIEW APPROVED FOR ONE YEAR FROM DATE OF REVIEW.

APPROVED BY:

DEVELOPMENT SERVICES DATE

SHEET TITLE:  
**GROUNDING PLAN & DETAILS**

SHEET 11 OF 11 REVISION:  
**E-3** 1  
TEP #: 236764.403579