

CROWN CASTLE
TITLE SHEET



NODE ID: SCL CULVER 13
4604 SEPULVEDA BLVD, CULVER CITY, CA 90230
JURISDICTION: CITY OF CULVER
POLE ID: 29995Y
LATITUDE: 34.001845°, LONGITUDE: -118.404724°

NODE ID:
SCL CULVER 13

NODE INFORMATION

CROWN NODE ID: SCL CULVER 13
POLE ID: 29995Y
POLE OWNER: VERIZON
POWER PROVIDER: SCE
HUB ID: 124434 (WASHINGTON)
CLUSTER/AREA: PRP_VZW_VCA2_WASHINGTON_2_26 NODES
LATITUDE: 34.001845°
LONGITUDE: -118.404724°
NEAREST ADDRESS: 4604 SEPULVEDA BLVD
AZIMUTH: 360°



IF YOU DIG IN ANY STATE
DIAL 811 FOR THE LOCAL
"ONE CALL CENTER" -
IT'S THE LAW

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS
CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT
SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES
NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE
THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE
UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO
THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE
RESPONSIBILITY OF THE CONTRACTOR.

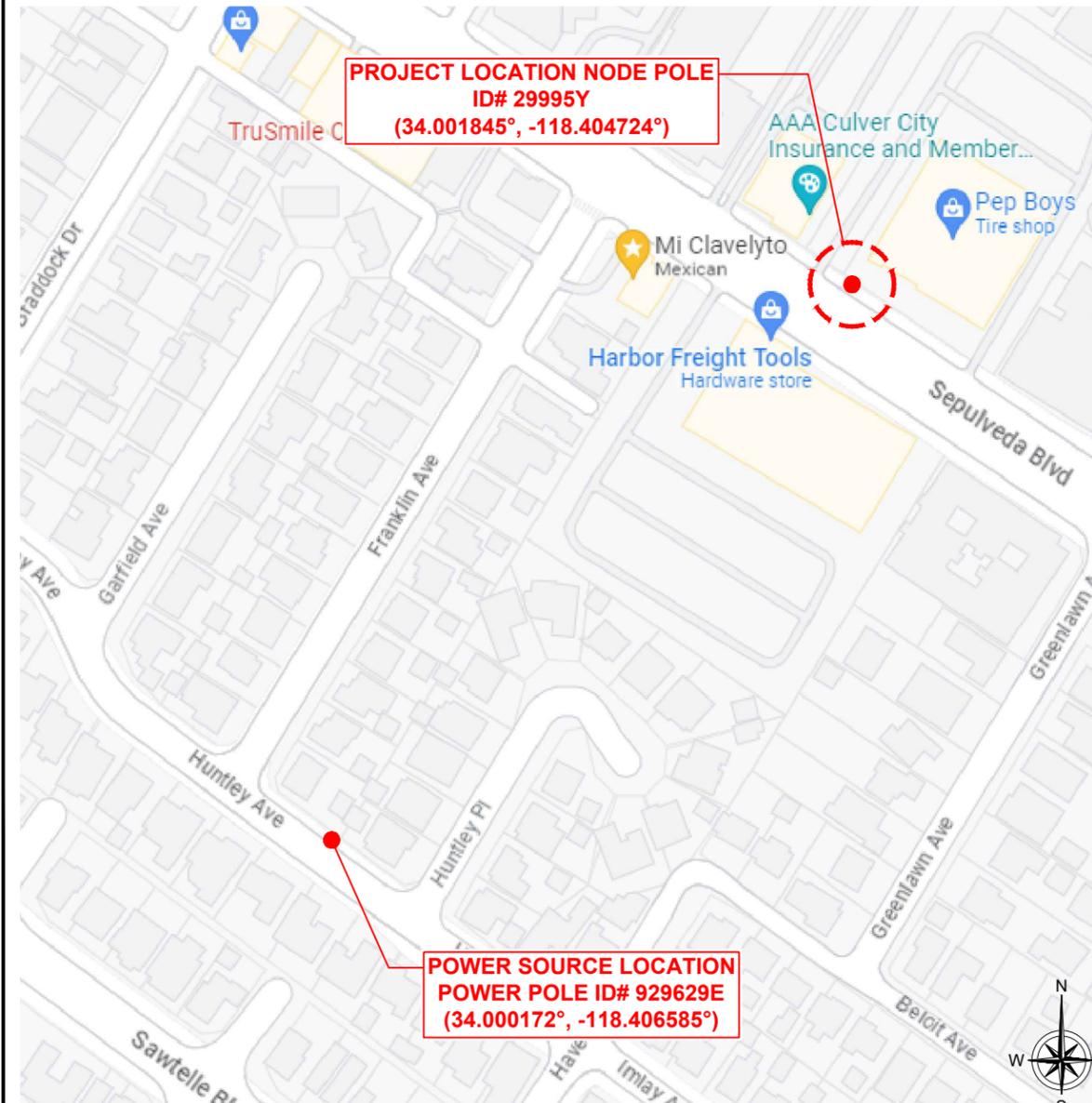
POWER SOURCE POLE INFORMATION

POWER POLE ID: 929629E
POLE OWNER: SCE
LATITUDE: 34.000172°
LONGITUDE: -118.406585°
NEAREST ADDRESS: 11265 HUNTLEY AVE

SITE EXHIBIT PHOTO



LOCATION MAP



PROJECT LOCATION NODE POLE
ID# 29995Y
(34.001845°, -118.404724°)

POWER SOURCE LOCATION
POWER POLE ID# 929629E
(34.000172°, -118.406585°)

PROJECT TEAM

CROWN CASTLE PROJECT DELIVERY MANAGER:
CONTACT: JASON SHUMAN
PHONE: 661-644-1826
200 SPECTRUM CENTER DR. STE. 1700
IRVINE, CA 92618
CROWN CASTLE PROJECT CONSTRUCTION MANAGER:
CONTACT: MATT WADE
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200 SPECTRUM CENTER DR. STE. 1700
IRVINE, CA 92618
CROWN CASTLE CONSTRUCTION MANAGER:
CONTACT: LANCE HALE
PHONE: (562) 320-7936
200 SPECTRUM CENTER DR. STE. 1700
IRVINE, CA 92618
CROWN CASTLE UTILITY RELATIONS:
CONTACT: MICHAEL BONAS
PHONE: (949) 813-6905
200 SPECTRUM CENTER DR. STE. 1700
IRVINE, CA 92618

SCOPE OF WORK

- EQUIPMENT TO BE INSTALLED:
- PROPOSED AMPHENOL ANTENNA
 - PROPOSED RADIO SHROUD
 - PROPOSED (1) 8863 AND (1) 8843 RADIOS
 - PROPOSED (3) PSU
 - PROPOSED ANTENNA ARM
 - PROPOSED (2) 2" POWER PVC RISERS
 - PROPOSED RF CAUTION SIGNAGE
 - PROPOSED RF NOTICE SIGNAGE
 - PROPOSED FIBER TAP DROP
 - PROPOSED 5/8"Ø X 8' GROUND ROD
 - PROPOSED (2) B-LINE BOX WITH SPI
 - PROPOSED (2) DONGAN BUCK AND BOOST
 - PROPOSED LOAD CENTER
 - PROPOSED FRONTHAUL (FUTURE)
 - PROPOSED 40' CLASS 3 WOOD UTILITY POLE
- POWER POLE:
- PROPOSED (2) DONGAN BUCK AND BOOST
 - PROPOSED (2) B-LINE BOX WITH SPI
 - PROPOSED WTR BOX
 - PROPOSED 1" POWER PVC RISER AND SERVICE
 - PROPOSED 2" POWER PVC RISER
 - PROPOSED (2) 5/8"Ø X 8' GROUND ROD
 - PROPOSED DOWN GUY

SHEET INDEX

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ENGINEER:

Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:

CROWN CASTLE
200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:
CROWN CASTLE
POLE #: 29995Y

REVISIONS

REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER: SCL CULVER 13

SHEET NAME: TITLE SHEET

DATE DRAWN: 08/07/2023

SCALE: AS SHOWN

T-1

CROWN CASTLE GENERAL NOTES

NODE ID:
SCL CULVER 13

EROSION AND SEDIMENT CONTROL NOTES:

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE CITY OF CULVER LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS* MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED PUBLIC IMPROVEMENTS CONSISTENT WITH THE EROSION CONTROL PLAN AND/OR WATER POLLUTION CONTROL PLAN (WPCP), IF APPLICABLE.
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- THE CONTRACTOR OF QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAIN SEASON.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED IMPROVEMENT PLAN SHALL BE INCORPORATED HERON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR WILL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL, SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

NOTES:

- CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS.
- CONTRACTOR TO PLACE SANDBAGS AROUND ANY/ALL STORM DRAIN INLETS TO PREVENT CONTAMINATED WATER.
- SPOILS PILE WILL BE COVERED AND CONTAINED AND STREET WILL BE SWEEPED AND CLEANED AS NEEDED.
- CONTRACTOR REPAIR DAMAGED PUBLIC IMPROVEMENTS TO THE SATISFACTION OF THE CITY ENGINEER.
- CURB & GUTTER TO BE PROTECTED IN PLACE, SIDEWALK TO BE REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
- THE CONTRACTION SHALL RESTORE THE ROADWAY BACK TO ITS ORIGINAL CONDITION SATISFACTORY TO THE CITY ENGINEER INCLUDING, BUT NOT LIMITED TO PAVING, STRIPING, BIKE LANES, PAVEMENT LEGENDS, SIGNS, AND TRAFFIC LOOP DETECTORS.
- SIDEWALK SHALL BE RESTORED/REPLACED PER CITY OF CULVER STANDARD DRAWINGS.
- PEDESTRIAN RAMP WILL NOT BE DISTURBED.
- SEPARATE PERMIT WILL BE REQUIRED FROM DEPARTMENT OF ENGINEERING FOR EXCAVATION AND TRAFFIC CONTROL.
- REPAIR OR REPLACE ANY DISTURBED OR DAMAGED LANDSCAPE IN PARKWAY AREAS DUE TO MAINTENANCE AND/OR POLE REPLACEMENT.
- PROTECT EXISTING TREES IN PLACE.
- IN THE EVENT OF A RECORDED RULE 20 INITIATIVE, CROWN CASTLE WILL TAKE PROMPT ACTION TO UNDERGROUND OUR EXISTING AERIAL CABLING AND RELOCATE OR REDESIGN EXISTING SMALL CELLS TO ALIGN WITH THE RULE 20 PLAN.

ROW GROUND CONSTRUCTION NOTES:

- GROUND CONSTRUCTION TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, G095 AND G0128 STANDARDS AND REGULATIONS.
- CALL USA 48 HOURS PRIOR TO EXCAVATING AT (800) 277-2600 OR 811.
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
- ALL EQUIPMENT TO BE BONDED.
- METERING CABINET REQUIRES 36" CLEARANCE AT DOOR OPENING.
- CAULK CABINET BASE AT PAD.

NORMAL LOCATION OF UNDERGROUND UTILITIES NOTES:

- LOCATION AND DEPTH OF EXISTING AND PROPOSED UTILITIES MUST BE PROVIDED BY THE SUBDIVIDER AND SHOWN ON ANY PLANS SUBMITTED TO THE CITY OF CULVER DEPARTMENT OF ENGINEERING, FOR APPROVAL.
- CHANGES MAY BE PERMITTED BY THE CITY OF CULVER DEPARTMENT OF ENGINEERING, IN CASES OF CONFLICTING FACILITIES.
- CONFLICTS BETWEEN UTILITY OF COMPANIES FACILITIES, EXISTING AND PROPOSED, MUST BE MUTUALLY RESOLVED BY THE UTILITY COMPANIES.
- FOR COMMERCIAL SIDEWALKS, THE FIRE HYDRANT SHALL BE PLACED WITHIN THE SIDEWALK 1'-6" BEHIND FACE OF CURB.
- MAXIMUM 2" DIAMETER GAS MAINS MAY BE PLACED IN JOINT UTILITIES TRENCH SUBJECT TO APPROVAL OF CITY ENGINEER (IN TRACTS).

CALIFORNIA STATE CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PREFORMED 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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE (INCLUDING TITLES 24 & 25) 2010
- 2022 CALIFORNIA BUILDING CODES WHICH ADOPTS THE 2014 UBC, 2015 UMC, 2015 UPC AND THE 2014 NEC.
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2022 CALIFORNIA MECHANICAL CODE
- ANSI/EIA-222-F LIFE SAFETY CODE NFPA-101
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- CURRENT LOCAL BUILDING CODE
- CURRENT CITY/COUNTY ORDINANCES

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS DO NOT APPLY IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.

FCC NOTE:
THIS WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST BOARD OF PUBLIC WORKS OF THE CITY OF CULVER ADOPTED EDITION AND SUPPLEMENTS TO THE "GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS MODIFIED BY THE CORRESPONDING ISSUE OF THE BROWN BOOK, THE LATEST EDITION OF THE BUREAU OF STREET LIGHTING "SPECIAL SPECIFICATIONS", AND THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE CONDITION OF ALL EXISTING EQUIPMENT TO BE REUSED, MODIFIED OR RETURNED TO THE BUREAU OF STREET LIGHTING YARD.

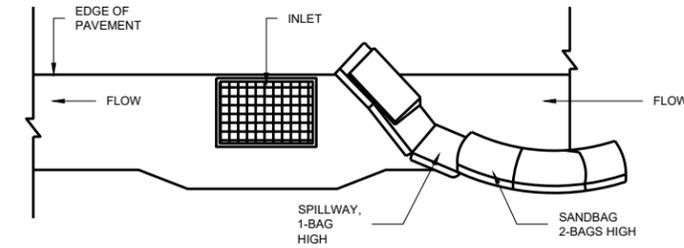
MULTIPLE CIRCUIT NOTES

- WIRE CONNECTORS - WIRE CONNECTORS SHALL BEAR THE UNDERWRITERS LABORATORY SEAL OF APPROVAL. THE INSTALLATION PROCEDURE, INCLUDING CONNECTOR SIZE AND CRIMPING TOOLS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. GENERALLY, BULKY OR ODD SHAPE CONNECTORS, NARROW CONNECTORS WHICH MAY DAMAGE THE WIRE, OR TWIST-ON AND SPLIT-BOLT TYPE CONNECTORS WILL NOT BE ALLOWED. THE MECHANICAL PERFORMANCE OF THE CONNECTOR SHALL BE SUCH THAT NO FREE PLAY CAN BE OBSERVED AFTER THE CONNECTOR IS SUBJECTED TO A COMBINATION OF HAND-APPLIED TWISTS AND PULLS. A SOLID CROSS SECTION WILL ALSO BE REQUIRED WHEN THE CONNECTOR IS SUBJECT TO SAW CUTTING. ALL WIRE CONNECTORS SHALL HAVE A NOMINAL CROSS SECTION ARE EQUIVALENT TO THE AREA OF THE LARGEST CONDUCTOR CONNECTED

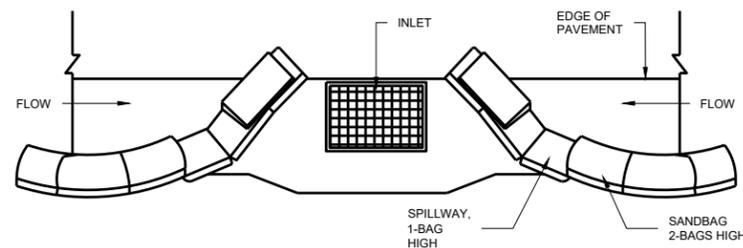
GENERAL REQUIREMENT - UNDERGROUND UTILITY AVOIDANCE

- GENERAL CONTRACTOR RESPONSIBLE TO FOLLOW ALL FEDERAL & STATE STATUTES AND REGULATIONS; INDUSTRY BEST PRACTICES; BUILDING AND FIRE CODES; GENERAL CONTRACTOR LICENSES; AND LOCAL LAWS, REGULATIONS & ORDINANCES. IN THE EVENT A CONFLICT EXISTS BETWEEN THESE REGULATIONS AND THIS DOCUMENT, THE REGULATIONS SHALL CONTROL THE GENERAL CONTRACTOR'S ACTIONS.
- AT THE MINIMUM, WHEN NOT IN CONFLICT WITH FEDERAL, STATE, AND LOCAL STATUTES, THE GENERAL CONTRACTOR SHALL FOLLOW THE "COMMON GROUND ALLIANCE (CGA) BEST PRACTICES VERSION 17.0 MANUAL OR LATEST - THE DEFINITIVE GUIDE FOR UNDERGROUND SAFETY & DAMAGE PREVENTION RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL PREPARE AN EMERGENCY RESPONSE PLAN, INCLUDING APPROPRIATE CONTACT INFORMATION, ONE CALL TICKET DETAILS, AND IMMEDIATE CONTACTING DETAILS, IN EVENT OF UNDERGROUND UTILITY DAMAGE, IS AVAILABLE AT THE INSTALLATION SITE.
- GENERAL CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE ALL ELECTRICAL STRIKE SYSTEMS ARE IN PLACE, IF APPLICABLE, AND HAS BRIEFED THE INSTALLATION CREW ON THE GENERAL CONTRACTORS ELECTRICAL AND GAS LINE STRIKE PROCEDURES EACH DAY PRIOR TO WORK COMMENCING.
- GENERAL CONTRACTOR SHALL WHITE LINE THE PROPOSED CONSTRUCTION ROUTE PRIOR TO CONTACTING THE UTILITY ONE-CALL SYSTEM.
- GENERAL CONTRACTOR SHALL IDENTIFY PRIOR TO WORK COMMENCEMENT, A COMPETENT PERSON ON THE WORK CREW WHO IS CAPABLE OF IDENTIFYING HAZARDS AND HAS THE AUTHORIZATION TO TAKE PROMPT CORRECTIVE MEASURES, INCLUDING STOP WORK AUTHORITY, TO ELIMINATE THEM, AND SHALL BE ON SITE AT ALL TIMES.
- GENERAL CONTRACTOR SHALL CONTACT THE ONE CALL FACILITY FOR EXISTING UTILITY LOCATES AS REQUIRED BY LAW AND PRESERVE ALL MARKS UNTIL THE PROJECT IS COMPLETED AND REFRESH THE ONE CALL IF REQUIRED BY STATE OR JURISDICTIONAL REQUIREMENTS.
- FOR PROJECTS WITH HIGH PRIORITY UTILITIES, OR ANY UNUSUAL OR COMPLEX CONSTRUCTION, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-EXCAVATION MEETING WITH THE AFFECTED UTILITIES AND/OR THEIR DESIGNATED LOCATING COMPANY TO DISCUSS THE PROJECT. HIGH PRIORITY UTILITIES SHALL INCLUDE, BUT NOT LIMITED TO, HIGH-PRESSURE GAS LINES, HIGH-VOLTAGE ELECTRIC LINES, MAJOR PIPELINES, MAJOR WATER LINES, AND HIGH-CAPACITY FIBER OPTIC LINES.
- THE GENERAL CONTRACTOR SHALL ENSURE ANY UTILITIES IDENTIFIED FOR LOCATING WHICH ARE NOT MARKED ON THE GROUND HAVE PROVIDED POSITIVE CONFIRMATION NO CONFLICT EXISTS. IF THERE IS A LACK OF POSITIVE CONFIRMATION, THE GENERAL CONTRACTOR MUST RE-CALL THE ONE-CALL CENTER OR RELEVANT UTILITY DIRECTLY FOR CONFIRMATION.
- IN THE EVENT A UTILITY CANNOT BE RELOCATED, WHERE POSITIVE CONFIRMATION IS NOT RECEIVED, OR WHERE THERE IS A LIKE LIKELIHOOD OF UNDOCUMENTED UTILITIES, SUCH AS PRIVATE INFRASTRUCTURE, THE GENERAL CONTRACTOR SHALL TAKE THE STEP OF SYSTEMATICALLY UTILIZING A GROUND PENETRATING RADAR (GPR) SYSTEM OR SIMILAR ADVANCED LOCATING TECHNOLOGY WITHIN THE TOLERANCE ZONE TO IDENTIFY AND DOCUMENT ANY UTILITIES WITHIN THE CONSTRUCTION ZONE. ANY UTILITY LOCATED USING GPR SHALL BE PROPERLY LOCATED AND EXPOSED AS OUTLINED WITHIN THIS STANDARD PRIOR TO DIGGING.
- THE GENERAL CONTRACTOR SHALL INSPECT THE AREA, PRIOR TO INSTALLATION FOR ANY UNDERGROUND UTILITY INFRASTRUCTURE WHICH MAY HAVE BEEN MISSED BY SURVEYING THE CONSTRUCTION AREA AND SURROUNDING ENVIRONMENT FOR CLEANOUTS, SUNKEN AREAS, RISERS, OUTBUILDINGS, LIGHT POLES, METERS, UTILITY BOXES, PEDESTALS, MANHOLE COVERS, MARKERS, ETC. PARTICULAR ATTENTION SHOULD BE MADE TO IDENTIFY SERVICE FEEDS FROM BUILDINGS AND HOMES ARE MARKED.
- THE GENERAL CONTRACTOR SHALL CONTACT ANY UTILITY WHERE LOCATES ARE IN QUESTION AND/OR UNVERIFIED. NO ASSUMPTIONS SHOULD BE MADE ON LOCATION OR DEPTH OF EXISTING UTILITIES.
- THE GENERAL CONTRACTOR AT MINIMUM SHALL TAKE AND STORE A PHOTO SERIES TO BE SUBMITTED WITH THE CLOSE OUT PACKAGE OF ALL EXCAVATION AREAS ONCE LOCATES ARE COMPLETE AND PRIOR TO EXCAVATION.
- GENERAL CONTRACTOR SHALL MEET ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING WORKER SAFETY AND TRAINING WHEN WORKING AROUND UNDERGROUND FACILITIES.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES CROSSING THE TOLERANCE ZONE AND SHALL POSITIVELY IDENTIFY THEIR LOCATION AND DEPTH USING APPROPRIATE TECHNIQUES WITHIN THE TOLERANCE ZONE.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES RUNNING PARALLEL WITH THE PROPOSED PATH AT THE APPROPRIATE INTERVALS WITHIN THE TOLERANCE ZONE AND APPROPRIATE BUFFER ZONE. UNLESS MORE STRINGENT REGULATIONS EXIST, THE GENERAL CONTRACTOR SHALL EXPOSE (POT-HOLE) AT MINIMUM ANY PARALLEL UTILITY WITHIN 3' OF THE TOLERANCE ZONE EVERY 25', AND ANY PARALLEL UTILITY BETWEEN 3' TO 5' OF THE TOLERANCE ZONE EVERY 100'.
- THE TOLERANCE ZONE SHALL BE A MINIMUM OF 30' BEYOND EACH SIDE OF THE INSTALLED PIPE, OR GREATER IF CODE REQUIRES.
- GENERAL CONTRACTOR SHALL USE A DRILL HEAD TRACKING DEVICE WHEN BORING AND TRACK THE DRILL HEAD AT MINIMUM OF EVERY 5' OR AS REQUIRED BY CODE. A LOG SHALL BE CREATED RECORDING THE LOCATION AND DEPTH AND SUBMITTED WITH THE GENERAL CONTRACTOR AS-BUILT PACKAGE.
- GENERAL CONTRACTOR SHALL ENSURE THESE REQUIREMENTS ARE ENFORCED WITH ALL SUB-CONTRACTORS RETAINED BY THE GENERAL CONTRACTOR.

STORM DRAIN INLET PROTECTION



TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS

NOTES:

- INTENDED FOR SHORT-TERM USE.
- USE TO INHIBIT NON-STORM WATER FLOW.
- ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
- BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
- NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

LEGEND

SYMBOL DESCRIPTION

PROPOSED

- 2' X 3' VAULT
- NEW STREET LIGHT
- NEW PEDESTAL
- TRENCH AND FIBER CONDUIT (PVT)

EXISTING

- EXISTING STREET LIGHT
- EXISTING VAULT/HANDHOLE
- EXISTING PEDESTAL
- EXISTING TRANSFORMER
- STATION POINT (100' INCREMENTS)
- EXISTING CURB RAMP
- EXISTING CURB FACE
- EXISTING RIGHT OF WAY
- EXISTING CENTER LINE
- EXISTING PROPERTY LINE

ABBREVIATIONS

- A/C ASPHALT
- B.O.C. BACK OF CURB
- B/EOP BACK OF EDGE OF PAVEMENT
- C&G CURB & GUTTER
- C/F CURB FACE
- C/L CENTER LINE
- EX. EXISTING
- EOP EDGE OF PAVEMENT
- F.O.C. FACE OF CURB
- F/EOP FACE OF EDGE OF PAVEMENT
- PL PROPERTY LINE
- R/W RIGHT OF WAY
- S/B SUBDIVISION BOUNDARY

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ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:



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SHEET NAME: **GENERAL NOTES**

DATE DRAWN: **08/07/2023**

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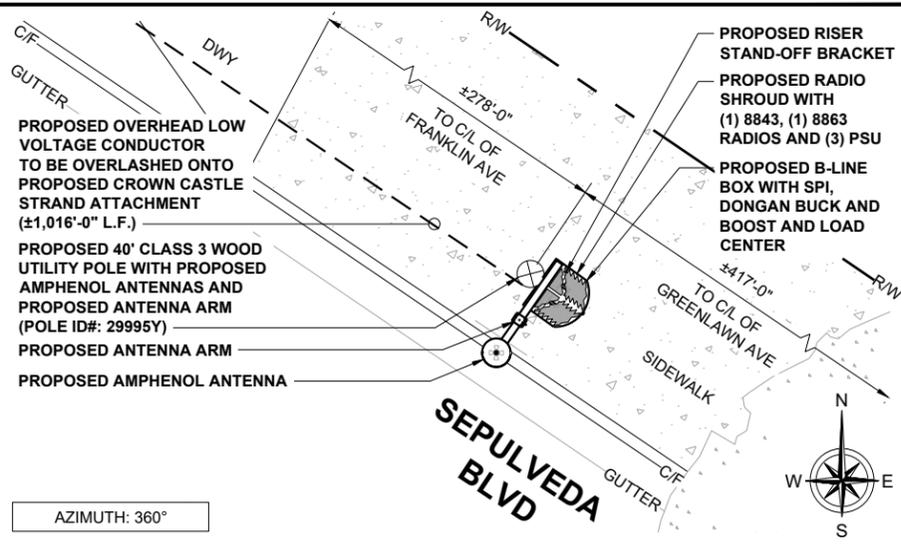
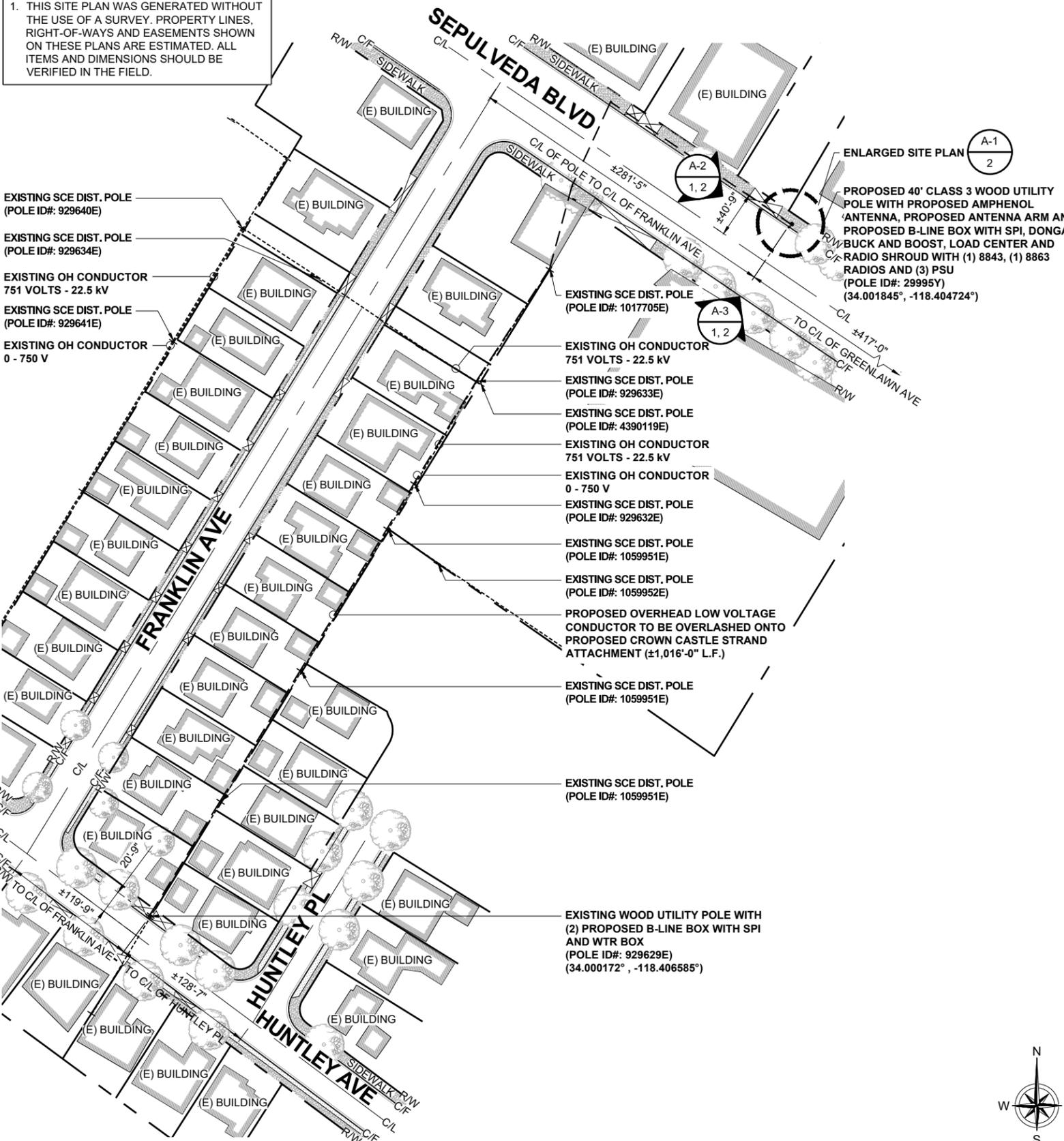
GN-1

CROWN CASTLE SITE PLAN

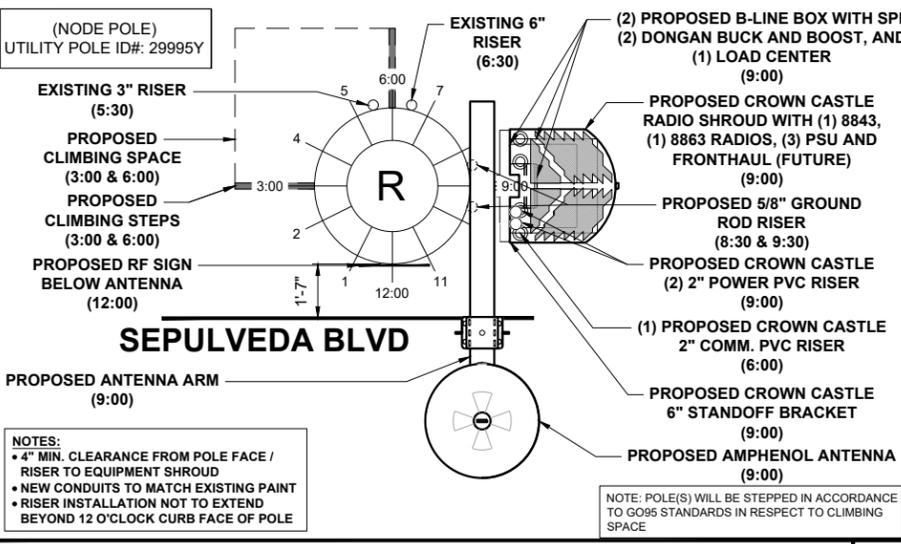
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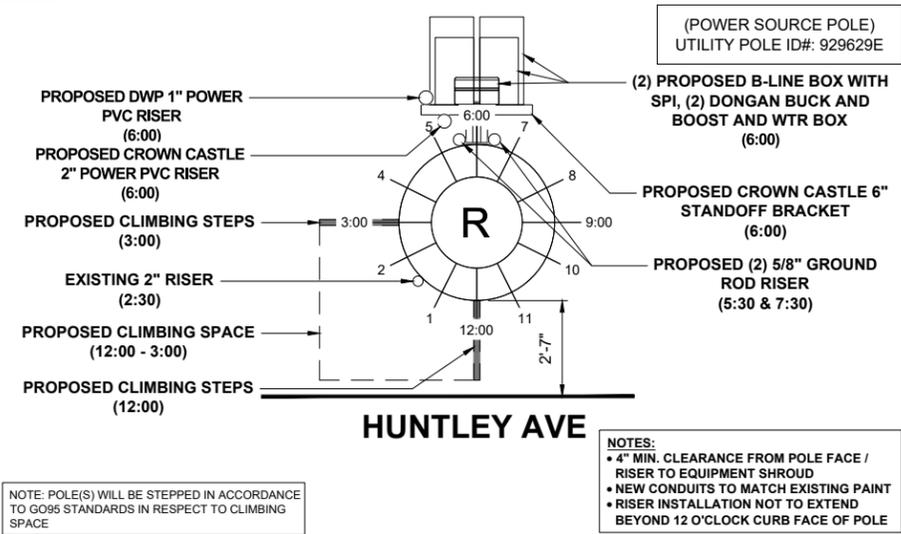
NOTES:
1. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY. PROPERTY LINES, RIGHT-OF-WAYS AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.



ENLARGED SITEPLAN (NODE POLE) 11"x17" SCALE: 1/8" = 1'-0" 24"x36" SCALE: 1/4" = 1'-0"



RISER DIAGRAM (NODE POLE) 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S.



RISER DIAGRAM (POWER SOURCE) 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S.

ENGINEER:	
 Pramira ARCHITECTURAL & ENGINEERING SERVICES	
OWNER/DEVELOPER:	
 CROWN CASTLE 200 SPECTRUM CENTER DRIVE, 19TH FLOOR IRVINE, CA 92618	

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JD		G.A.	G.A.
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SHEET NAME:		SITE PLAN	
DATE DRAWN:		08/07/2023	
SCALE:		AS SHOWN	

SITE PLAN 11"x17" SCALE: 1" = 110'-0" 24"x36" SCALE: 1" = 50'-0"

A-1	
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CROWN CASTLE ELEVATIONS

NODE ID:
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CLUSTER/AREA:	PRP_VZW_VCA2_WASHINGTON_2_26 NODES
LATITUDE:	34.001845°
LONGITUDE:	-118.404724°
NEAREST ADDRESS:	4604 SEPULVEDA BLVD
AZIMUTH:	360°

POWER SOURCE POLE INFORMATION	
POWER POLE ID:	929629E
POLE OWNER:	SCE
LATITUDE:	34.000172°
LONGITUDE:	-118.406585°
NEAREST ADDRESS:	11265 HUNTLEY AVE

ENGINEER:	
 Pramira ARCHITECTURAL & ENGINEERING SERVICES	
OWNER/DEVELOPER:	
 CROWN CASTLE 200 SPECTRUM CENTER DRIVE, 19TH FLOOR IRVINE, CA 92618	
TITLE:	
CROWN CASTLE POLE #: 29995Y	

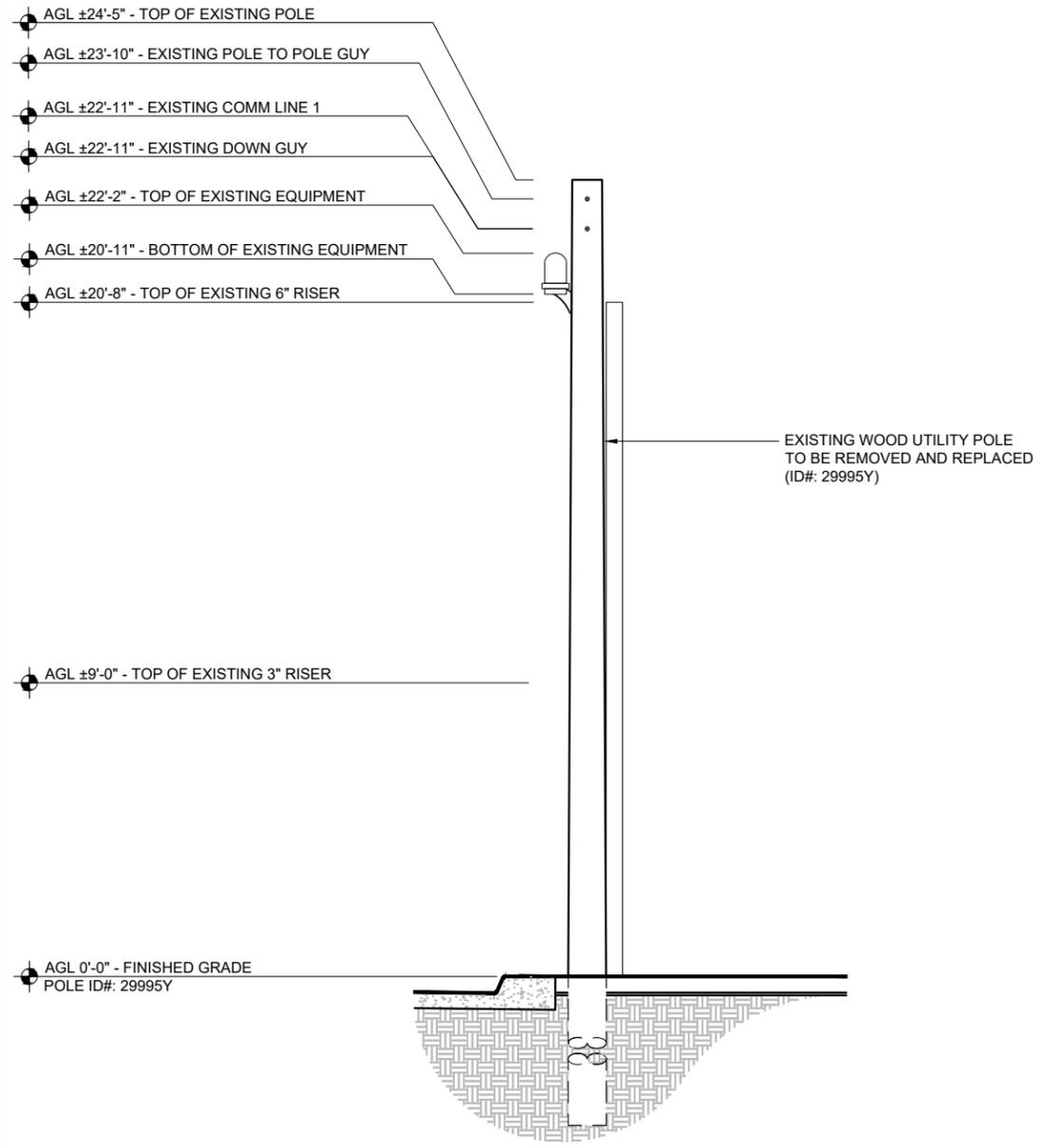
REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	ELEVATIONS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

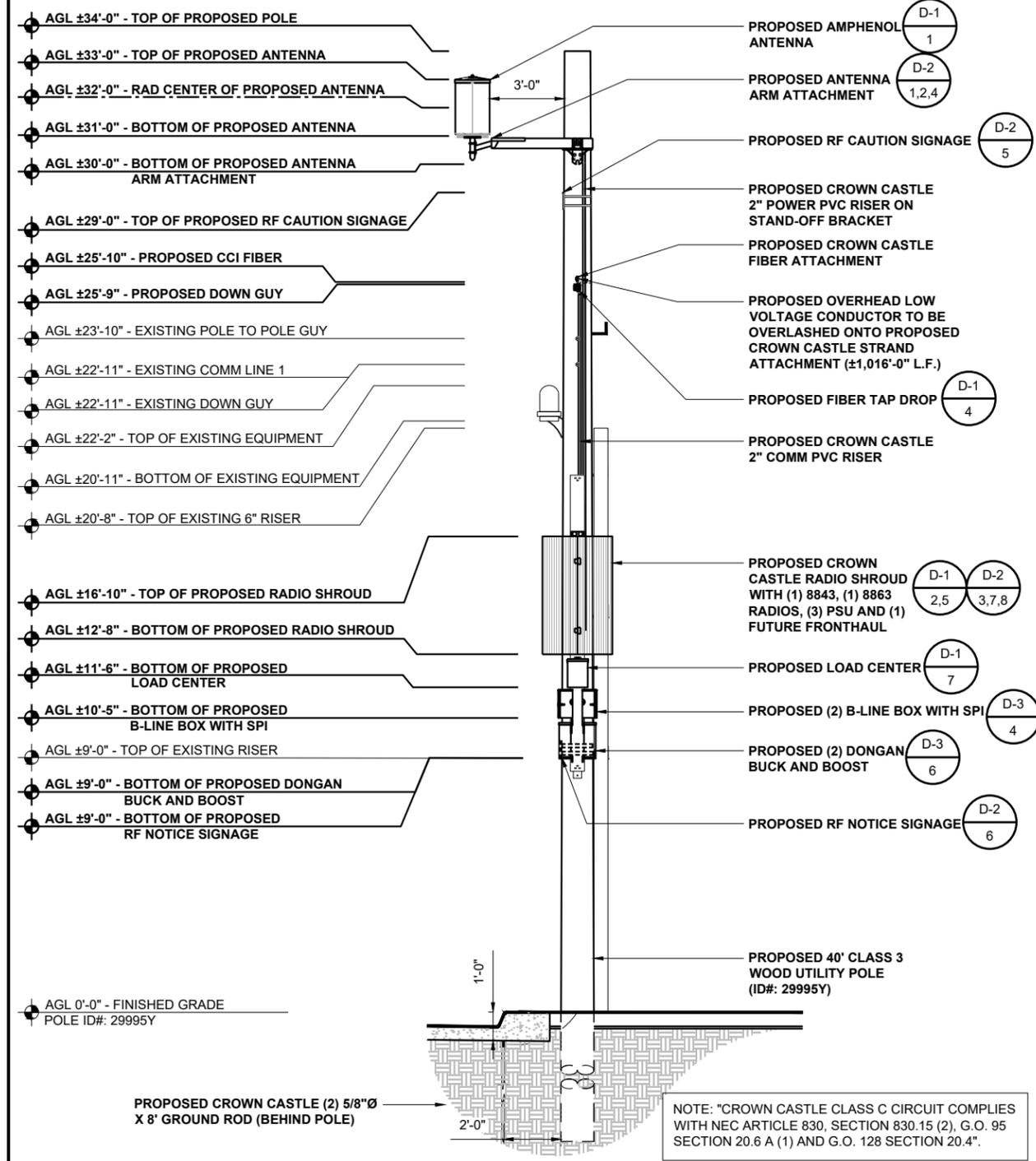
A-2

- NOTES:**
- 4" MIN. CLEARANCE FROM POLE FACE / RISER TO EQUIPMENT SHROUD
 - NEW CONDUITS TO MATCH EXISTING PAINT
 - RISER INSTALLATION NOT TO EXTEND BEYOND 12 O'CLOCK CURB FACE OF POLE



EXISTING SOUTHEAST ELEVATION

11"x17" SCALE: 3/16" = 1'-0"
24"x36" SCALE: 3/8" = 1'-0"



PROPOSED SOUTHEAST ELEVATION

11"x17" SCALE: 3/16" = 1'-0"
24"x36" SCALE: 3/8" = 1'-0"

CROWN CASTLE ELEVATIONS

NODE ID:	
SCL CULVER 13	
NODE INFORMATION	
CROWN NODE ID	SCL CULVER 13
POLE ID	29995Y
POLE OWNER	VERIZON
POWER PROVIDER:	SCE
HUB ID:	124434 (WASHINGTON)
CLUSTER/AREA:	PRP_VZW_VCA2_WASHINGTON_2_26 NODES
LATITUDE:	34.001845°
LONGITUDE:	-118.404724°
NEAREST ADDRESS:	4604 SEPULVEDA BLVD
AZIMUTH:	360°

POWER SOURCE POLE INFORMATION	
POWER POLE ID:	929629E
POLE OWNER:	SCE
LATITUDE:	34.000172°
LONGITUDE:	-118.406585°
NEAREST ADDRESS:	11265 HUNTLEY AVE

ENGINEER:	 Pramira ARCHITECTURAL & ENGINEERING SERVICES
OWNER/DEVELOPER:	 CROWN CASTLE 200 SPECTRUM CENTER DRIVE, 19TH FLOOR IRVINE, CA 92618
TITLE:	CROWN CASTLE POLE #: 29995Y

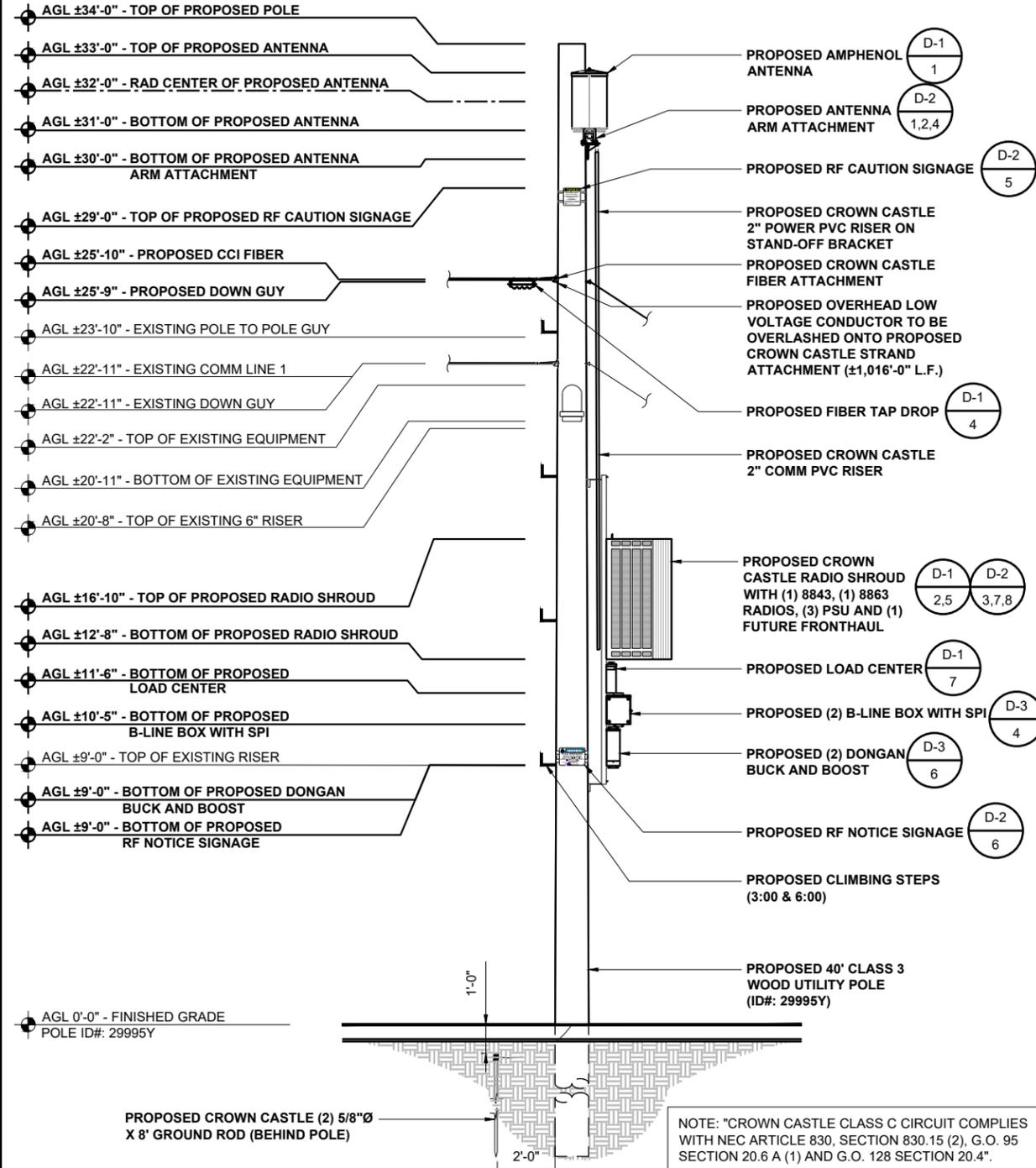
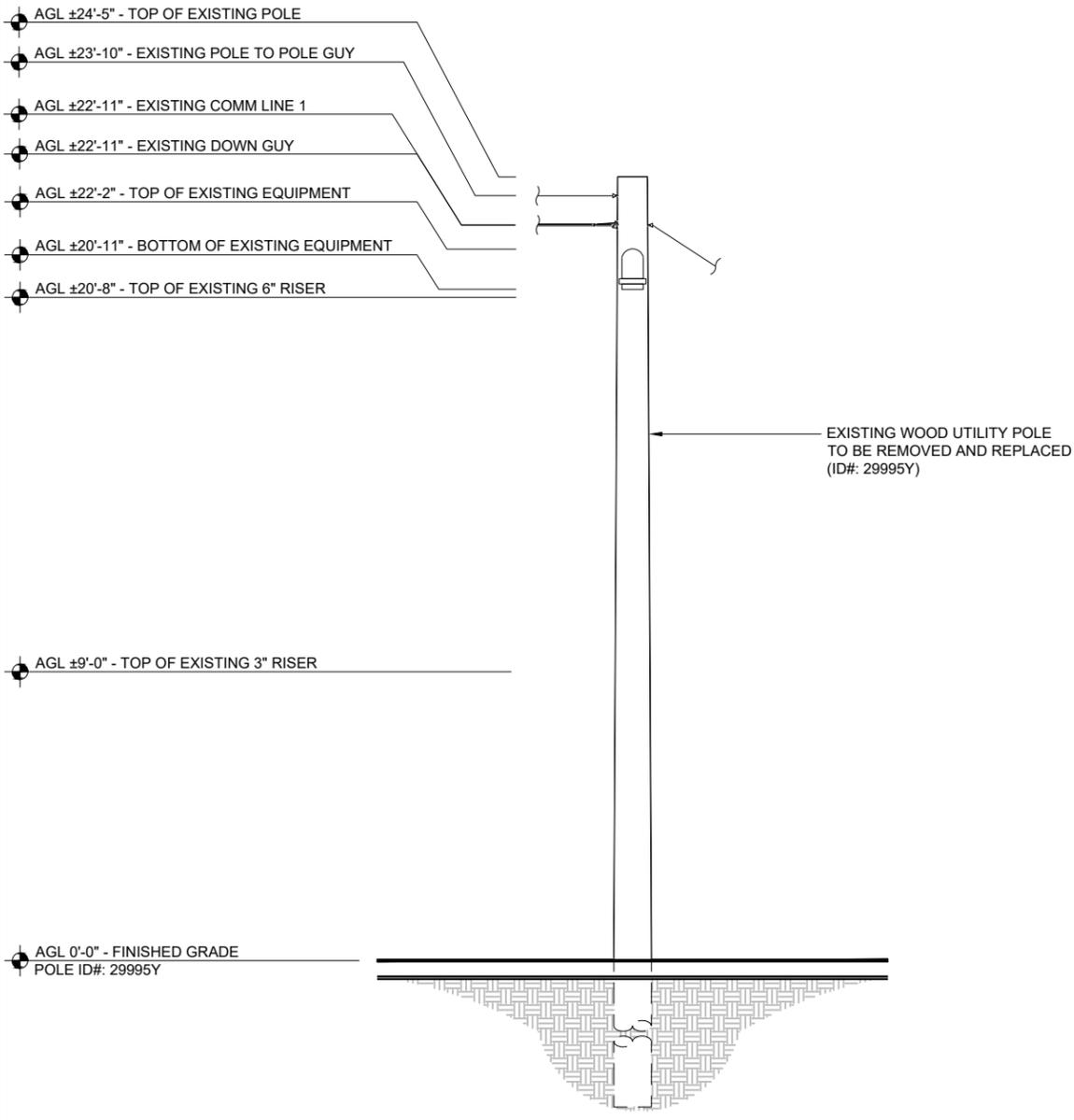
REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	ELEVATIONS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	ELEVATIONS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

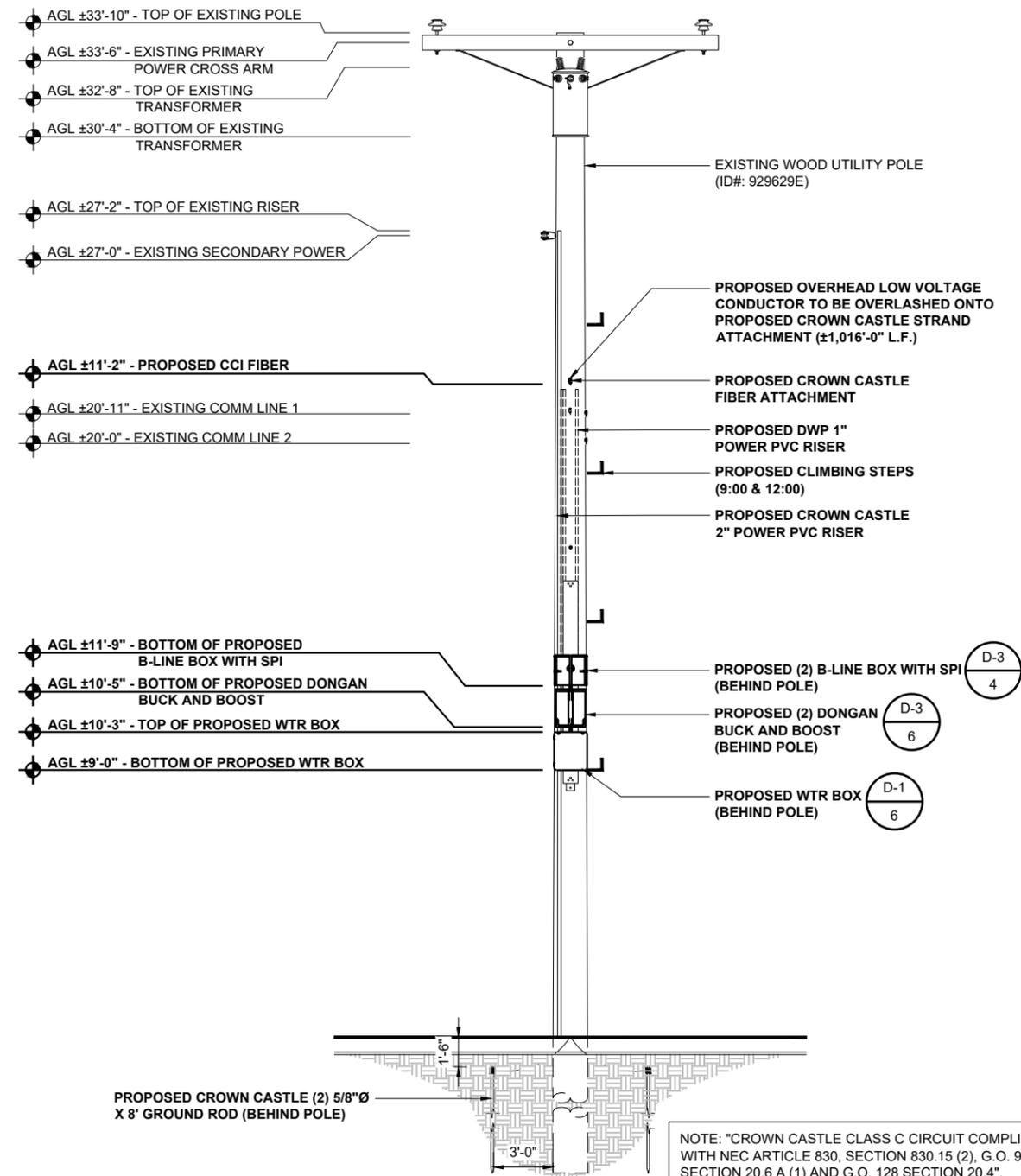
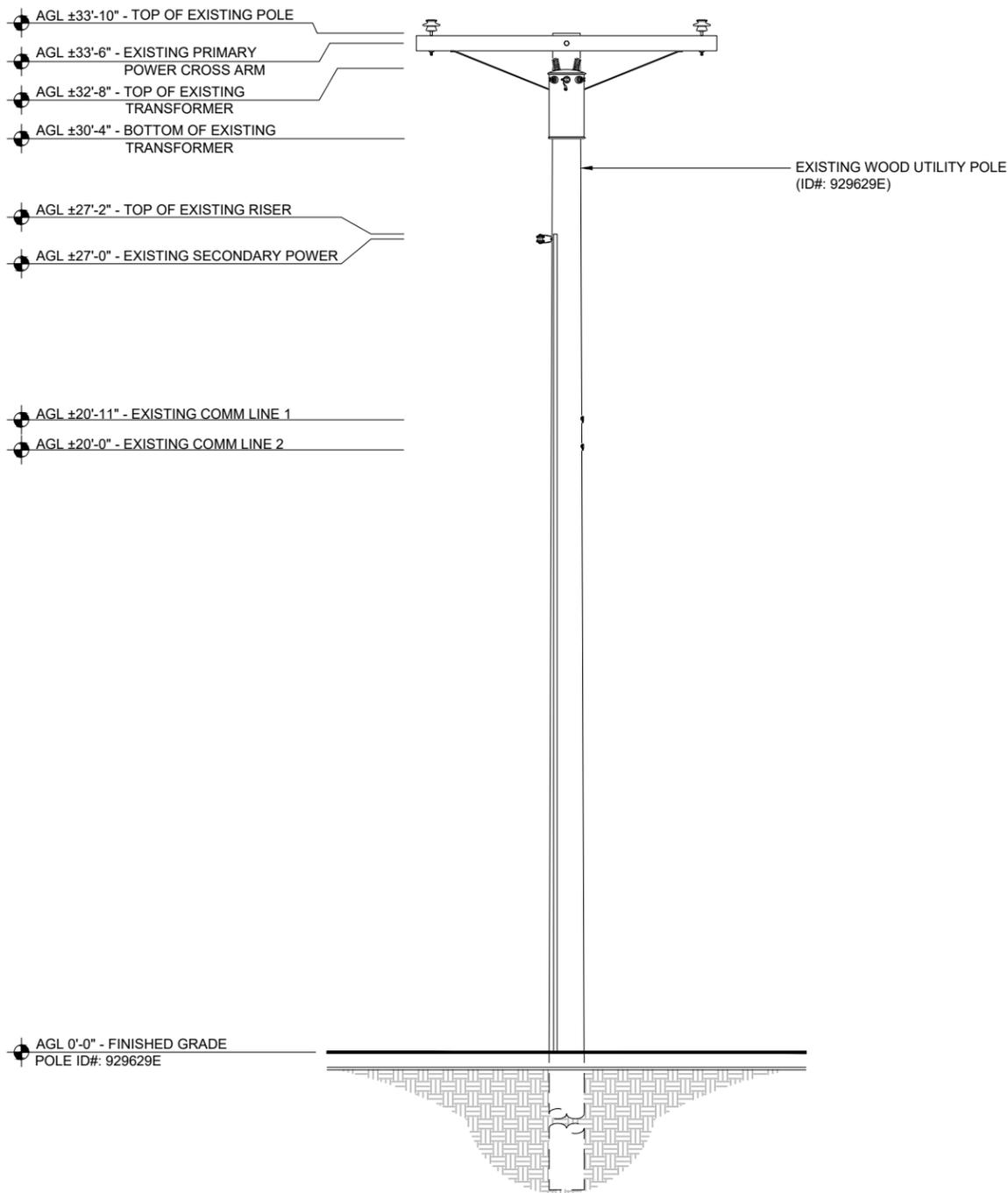
- NOTES:**
- 4" MIN. CLEARANCE FROM POLE FACE / RISER TO EQUIPMENT SHROUD
 - NEW CONDUITS TO MATCH EXISTING PAINT
 - RISER INSTALLATION NOT TO EXTEND BEYOND 12 O'CLOCK CURB FACE OF POLE



CROWN CASTLE ELEVATIONS (POWER POLE)

NODE ID: SCL CULVER 13	
NODE INFORMATION	
CROWN NODE ID	SCL CULVER 13
POLE ID	29995Y
POLE OWNER	VERIZON
POWER PROVIDER:	SCE
HUB ID:	124434 (WASHINGTON)
CLUSTER/AREA:	PRP_VZW_VCA2_WASHINGTON 2_26 NODES
LATITUDE:	34.001845°
LONGITUDE:	-118.404724°
NEAREST ADDRESS:	4604 SEPULVEDA BLVD
AZIMUTH:	360°

POWER SOURCE POLE INFORMATION	
POWER POLE ID:	929629E
POLE OWNER:	SCE
LATITUDE:	34.000172°
LONGITUDE:	-118.406585°
NEAREST ADDRESS:	11265 HUNTLEY AVE



NOTES:
 • 4" MIN. CLEARANCE FROM POLE FACE / RISER TO EQUIPMENT SHROUD
 • NEW CONDUITS TO MATCH EXISTING PAINT
 • RISER INSTALLATION NOT TO EXTEND BEYOND 12 O'CLOCK CURB FACE OF POLE

POWER SOURCE POLE INFORMATION	
POWER POLE ID:	929629E
POLE OWNER:	SCE
LATITUDE:	34.000172°
LONGITUDE:	-118.406585°
NEAREST ADDRESS:	11265 HUNTLEY AVE

ENGINEER:

Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:

CROWN CASTLE

200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:
**CROWN CASTLE
 POLE #: 29995Y**

REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

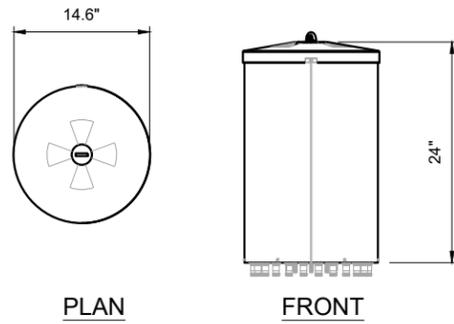
DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	ELEVATIONS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

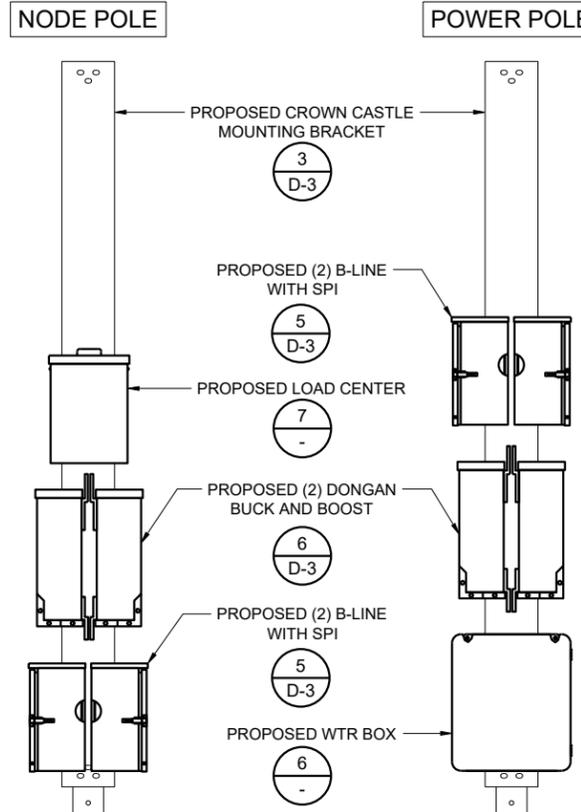
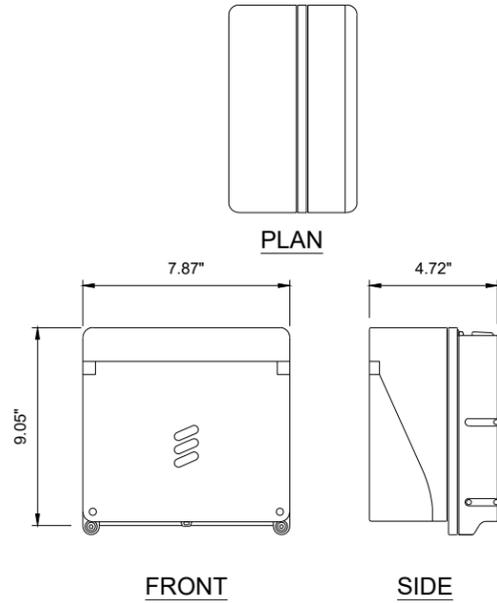
CROWN CASTLE EQUIPMENT DETAILS

NODE ID:
SCL CULVER 13

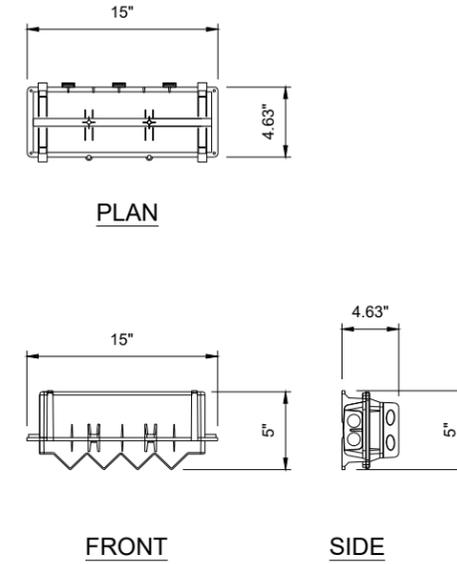
SPECIFICATIONS	
DIMENSIONS (HXWXD)	(14.6"Ø x 24")
WEIGHT	29 LBS
MANUFACTURER	AMPHENOL
MODEL	2C4U6VT360X06FWXYS5



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(9.05" x 7.87" x 4.72")
WEIGHT	7.7 LBS
MANUFACTURER	ERICSSON
MODEL	FRONTHAUL 6387



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(5" x 15" x 4.63")
WEIGHT	N/A
MANUFACTURER	R&M USA INC.
MODEL	FTH-LCU-PGT-F12-1524 OR FTH-LCU-PGT-F12-3048 (OR APPROVED EQUAL)



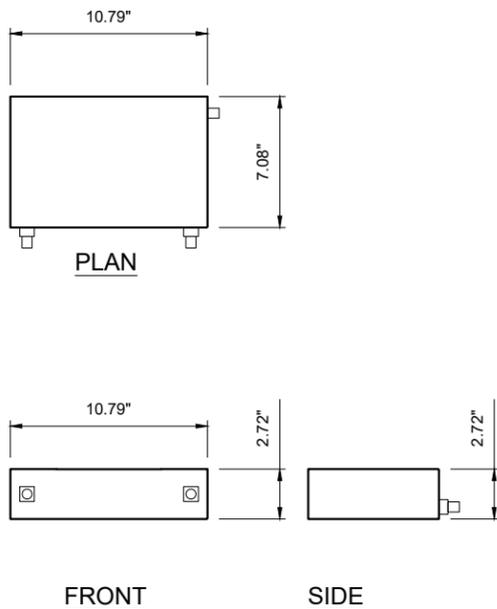
ANTENNA MODEL 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 1

FRONTHAUL (FUTURE) 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 2

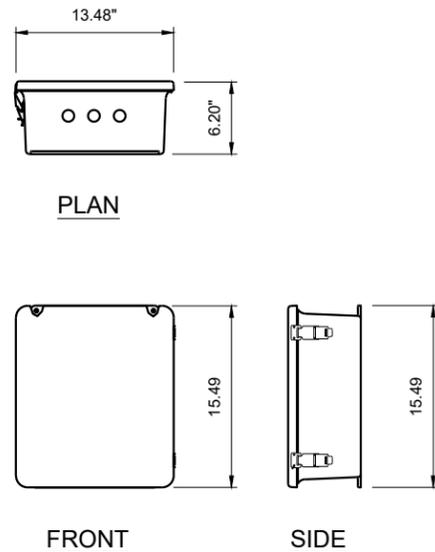
TYPICAL EQUIPMENT DETAIL 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 3

FIBER TAP DROP 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 4

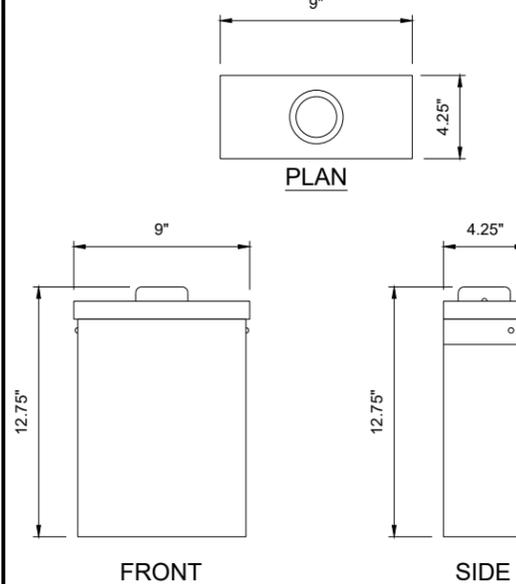
SPECIFICATIONS	
DIMENSIONS (HXWXD)	(2.72" x 7.08" x 10.79")
WEIGHT	11.464 LBS
MANUFACTURER	ERICSSON
MODEL	PSU AC 08 (100-250 V AC)



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(15.49" x 13.48" x 6.20")
WEIGHT	10 LBS
MANUFACTURER	STAHLIN
MODEL	WTR BOX



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(12.75" x 9" x 4.25")
WEIGHT	5.5 LBS
MANUFACTURER	SQUARE D
MODEL	QO612L100RB (OR APPROVED EQUAL)



PSU AC 08 (100 - 250 V AC) 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 5

WTR BOX 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 6

LOAD CENTER 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 7

NOT USED 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 8

NODE INFORMATION

CROWN NODE ID: **SCL CULVER 13**
 POLE ID: **29995Y**
 POLE OWNER: **VERIZON**
 POWER PROVIDER: **SCE**
 HUB ID: **124434 (WASHINGTON)**
 CLUSTER/AREA: **PRP_VZW_VCA2_WASHINGTON_2_26 NODES**
 LATITUDE: **34.001845°**
 LONGITUDE: **-118.404724°**
 NEAREST ADDRESS: **4604 SEPULVEDA BLVD**
 AZIMUTH: **360°**

POWER SOURCE POLE INFORMATION

POWER POLE ID: **929629E**
 POLE OWNER: **SCE**
 LATITUDE: **34.000172°**
 LONGITUDE: **-118.406585°**
 NEAREST ADDRESS: **11265 HUNTLEY AVE**

ENGINEER:



Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:



CROWN CASTLE
200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:
**CROWN CASTLE
POLE #: 29995Y**

REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

D-1

CROWN CASTLE EQUIPMENT DETAILS

NODE ID:
SCL CULVER 13

NODE INFORMATION

CROWN NODE ID: **SCL CULVER 13**
 POLE ID: **29995Y**
 POLE OWNER: **VERIZON**
 POWER PROVIDER: **SCE**
 HUB ID: **124434 (WASHINGTON)**
 CLUSTER/AREA: **PRP_VZW_VCA2_WASHINGTON_2_26 NODES**
 LATITUDE: **34.001845°**
 LONGITUDE: **-118.404724°**
 NEAREST ADDRESS: **4604 SEPULVEDA BLVD**
 AZIMUTH: **360°**

POWER SOURCE POLE INFORMATION

POWER POLE ID: **929629E**
 POLE OWNER: **SCE**
 LATITUDE: **34.000172°**
 LONGITUDE: **-118.406585°**
 NEAREST ADDRESS: **11265 HUNTLEY AVE**

ENGINEER:



Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:



CROWN CASTLE
200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:
**CROWN CASTLE
POLE #: 29995Y**

REVISIONS

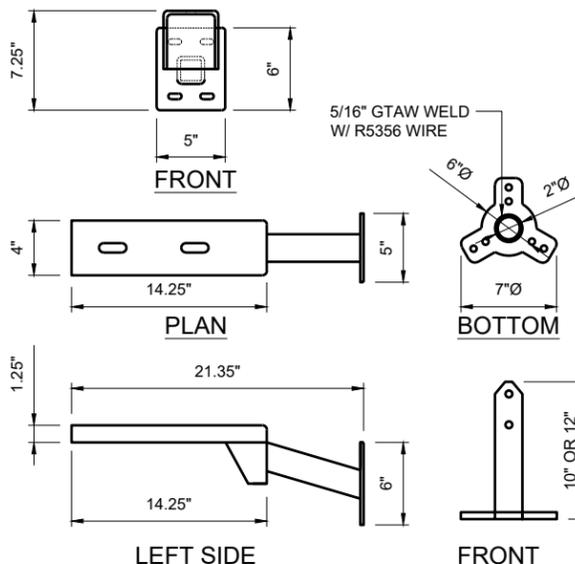
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

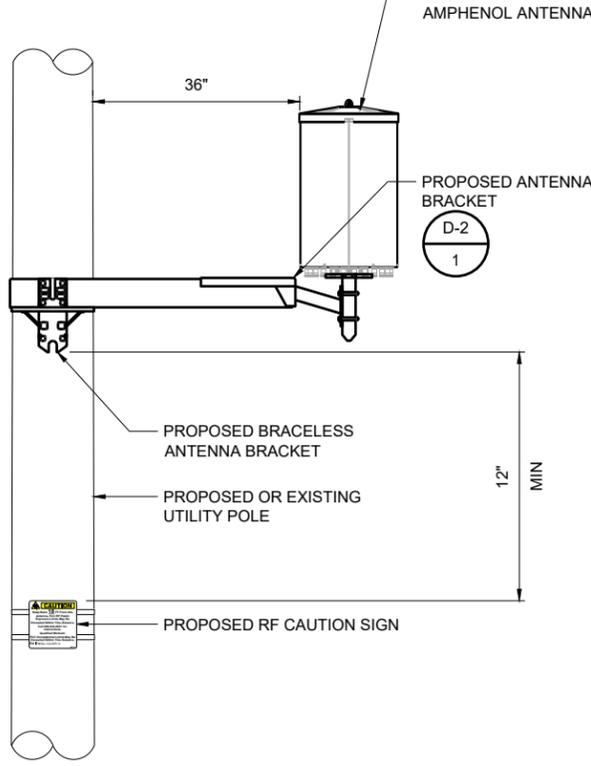
D-2

SPECIFICATIONS	
DIMENSIONS (HXWXD)	7.25" x 21.35" x 5" (STAND-OFF) 10" OR 12" x 7" Ø (ANTENNA MOUNT)
WEIGHT	N/T
MANUFACTURER	-
MODEL	ANTENNA KIT 005I-SS



5/16" GTAW WELD
W/ R5356 WIRE

ANTENNA KIT 005I-SS 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 1



PROPOSED AMPHENOL ANTENNA

PROPOSED ANTENNA BRACKET

PROPOSED BRACELESS ANTENNA BRACKET

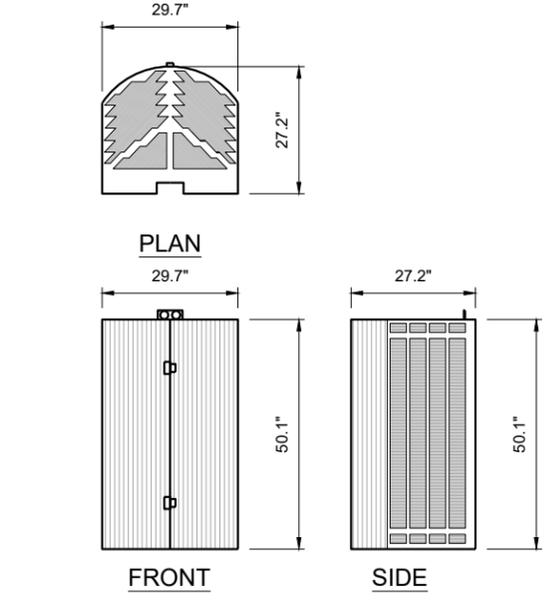
PROPOSED OR EXISTING UTILITY POLE

PROPOSED RF CAUTION SIGN

12" MIN

TYPICAL ANTENNA ASSEMBLY 2

SPECIFICATIONS	
DIMENSIONS (HXWXD)	(50.1" x 29.7" x 27.2")
WEIGHT	92 LBS
MANUFACTURER	CHARLES
MODEL	SH60-503027



29.7"

27.2"

29.7"

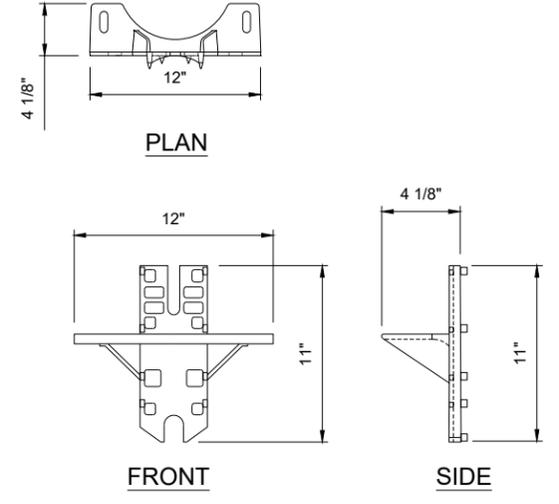
27.2"

50.1"

50.1"

CONCEALMENT SHROUDS 3

SPECIFICATIONS	
DIMENSIONS (HXWXD)	11" x 12" x 4 1/8"
WEIGHT	7.17 LBS
MANUFACTURER	GAINS
MODEL	PX171



4 1/8"

12"

12"

11"

4 1/8"

11"

BRACELESS CROSSARM GAINS 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 4



CAUTION

Keep Back **18** FT From this Antenna. FCC RF Public Exposure Limits May Be Exceeded Within This Distance. Call 888-632-0931 for Instructions. Qualified Workers: FCC Occupational Limits May Be Exceeded Within This Distance. Site ID # SCL CULVER 13

Rev. A

RF CAUTION SIGN 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 5



NOTICE

POLE WORKERS

There is an antenna operation high on this pole. Please follow guidance on signs near the antenna or call the number below.

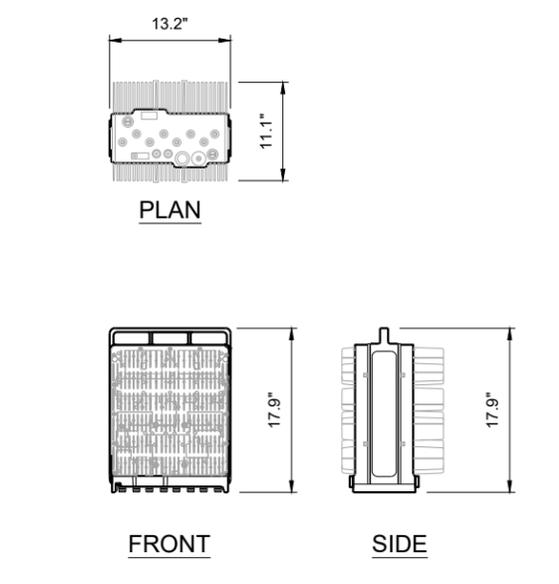
Site ID # **SCL CULVER 13**

 888-632-0931

Rev. A

RF NOTICE SIGN 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 6

SPECIFICATIONS	
DIMENSIONS (HXWXD)	(17.9" x 13.2" x 11.1")
WEIGHT	72 LBS
MANUFACTURER	ERICSSON
MODEL	8843



13.2"

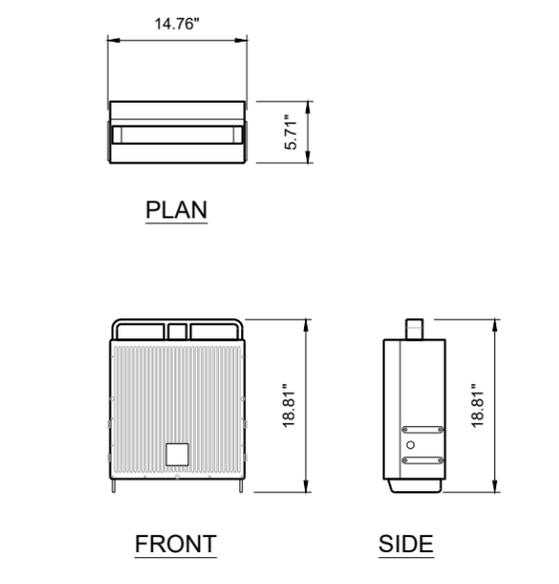
11.1"

17.9"

17.9"

8843 RADIO DETAILS 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 7

SPECIFICATIONS	
DIMENSIONS (HXWXD)	(18.81" x 14.76" x 5.71")
WEIGHT	50.71 LBS
MANUFACTURER	ERICSSON
MODEL	8863



14.76"

5.71"

18.81"

18.81"

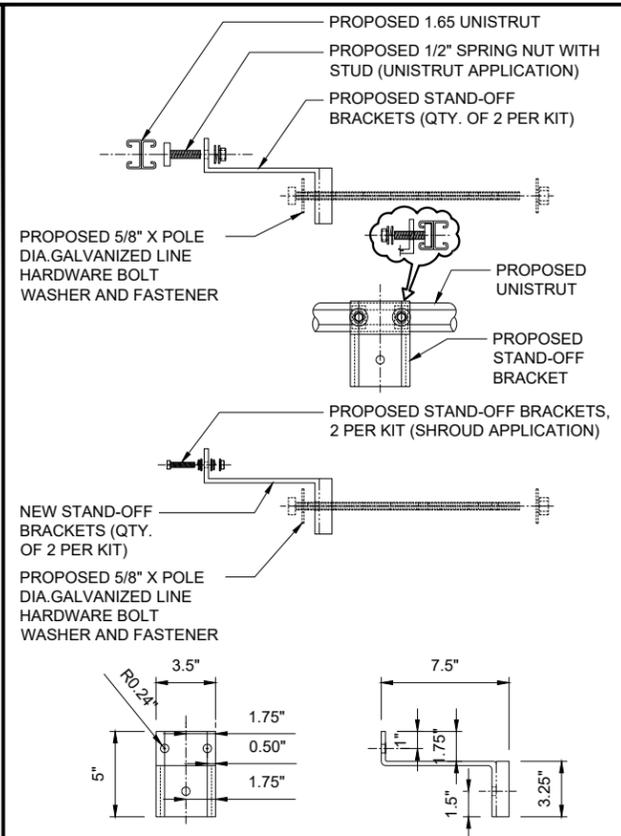
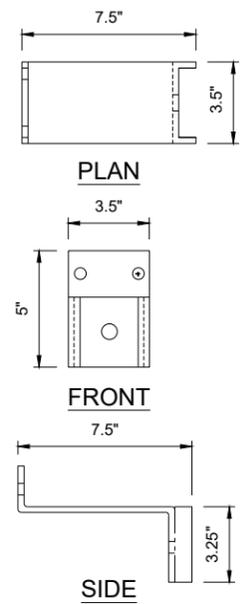
8863 RADIO DETAILS 11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S. 8

CROWN CASTLE EQUIPMENT DETAILS

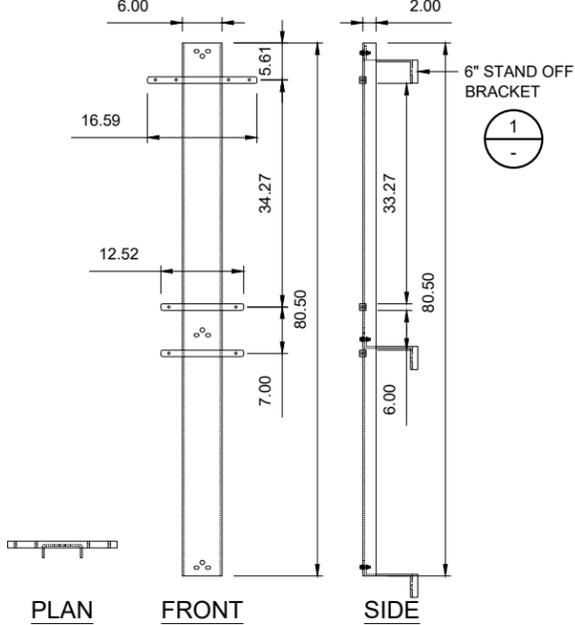
NODE ID: SCL CULVER 13
NODE INFORMATION
CROWN NODE ID: SCL CULVER 13 POLE ID: 29995Y POLE OWNER: VERIZON POWER PROVIDER: SCE HUB ID: 124434 (WASHINGTON) CLUSTER/AREA: PRP_VZW_VCA2_WASHINGTON 2_26 NODES LATITUDE: 34.001845° LONGITUDE: -118.404724° NEAREST ADDRESS: 4604 SEPULVEDA BLVD AZIMUTH: 360°

POWER SOURCE POLE INFORMATION
POWER POLE ID: 929629E POLE OWNER: SCE LATITUDE: 34.000172° LONGITUDE: -118.406585° NEAREST ADDRESS: 11265 HUNTLEY AVE

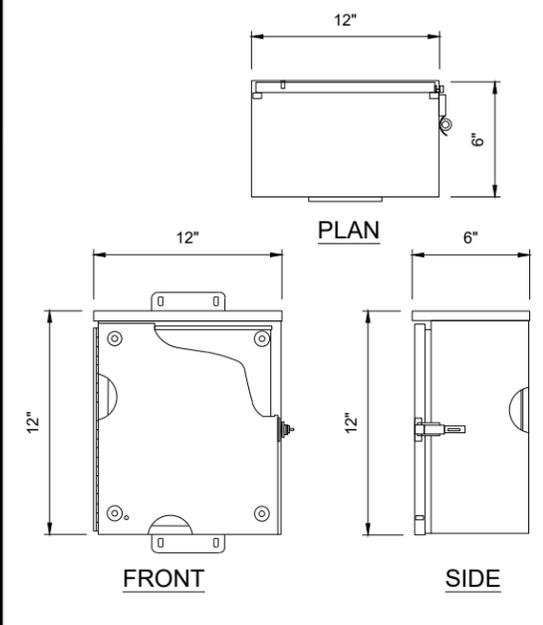
SPECIFICATIONS	
DIMENSIONS (HXWXD)	(5" x 3.5" x 7.5")
WEIGHT	TBD
MANUFACTURER	HP COMMUNICATIONS INC.
MODEL	#23-S06 (OR APPROVED EQUAL)



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(80.50" x 6" x 2")
WEIGHT	95 LBS
MANUFACTURER	HP COMMUNICATIONS INC.
MODEL	#23-CH81 (OR APPROVED EQUAL)



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(12" x 12" x 6")
WEIGHT	25 LBS
MANUFACTURER	B-LINE
MODEL	#12126RHC (OR APPROVED EQUAL)



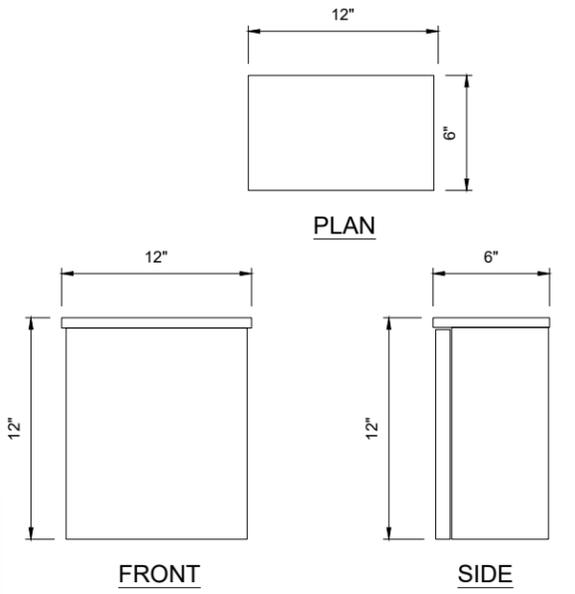
6" STAND OFF SPECS. 1

RISER STAND-OFF BRACKET 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 2

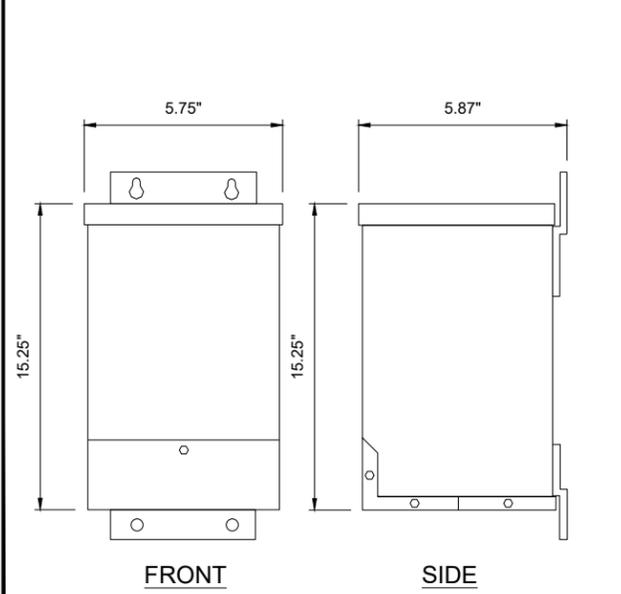
EQUIPMENT BRACKET SPECS. 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 3

SPI BOX 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 4

SPECIFICATIONS	
DIMENSIONS (HXWXD)	(12.0" x 12.0" x 6.0")
WEIGHT	5 LBS
MANUFACTURER	COOPER B-LINE
MODEL	J12126 RHC (OR APPROVED EQUAL)



SPECIFICATIONS	
DIMENSIONS (HXWXD)	(15.25" x 5.75" x 5.87")
WEIGHT	28 LBS
MANUFACTURER	DONGAN
MODEL	85-Y036 (OR APPROVED EQUAL)



B-LINE BOX ENCLOSURE 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 5

DONGAN BUCK/BOOST XFMR 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 6

NOT USED 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 7

NOT USED 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 8

ENGINEER:

Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:

CROWN CASTLE

200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE: **CROWN CASTLE
POLE #: 29995Y**

REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

D-3

CROWN CASTLE EQUIPMENT DETAILS

NODE ID: **SCL CULVER 13**

NODE INFORMATION

CROWN NODE ID: **SCL CULVER 13**
 POLE ID: **29995Y**
 POLE OWNER: **VERIZON**
 POWER PROVIDER: **SCE**
 HUB ID: **124434 (WASHINGTON)**
 CLUSTER/AREA: **PRP_VZW_VCA2_WASHINGTON_2_26 NODES**
 LATITUDE: **34.001845°**
 LONGITUDE: **-118.404724°**
 NEAREST ADDRESS: **4604 SEPULVEDA BLVD**
 AZIMUTH: **360°**

POWER SOURCE POLE INFORMATION

POWER POLE ID: **929629E**
 POLE OWNER: **SCE**
 LATITUDE: **34.000172°**
 LONGITUDE: **-118.406585°**
 NEAREST ADDRESS: **11265 HUNTLEY AVE**

ENGINEER:



ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:



CROWN CASTLE
 200 SPECTRUM CENTER DRIVE, 19TH FLOOR
 IRVINE, CA 92618

TITLE: **CROWN CASTLE
POLE #: 29995Y**

REVISIONS

REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

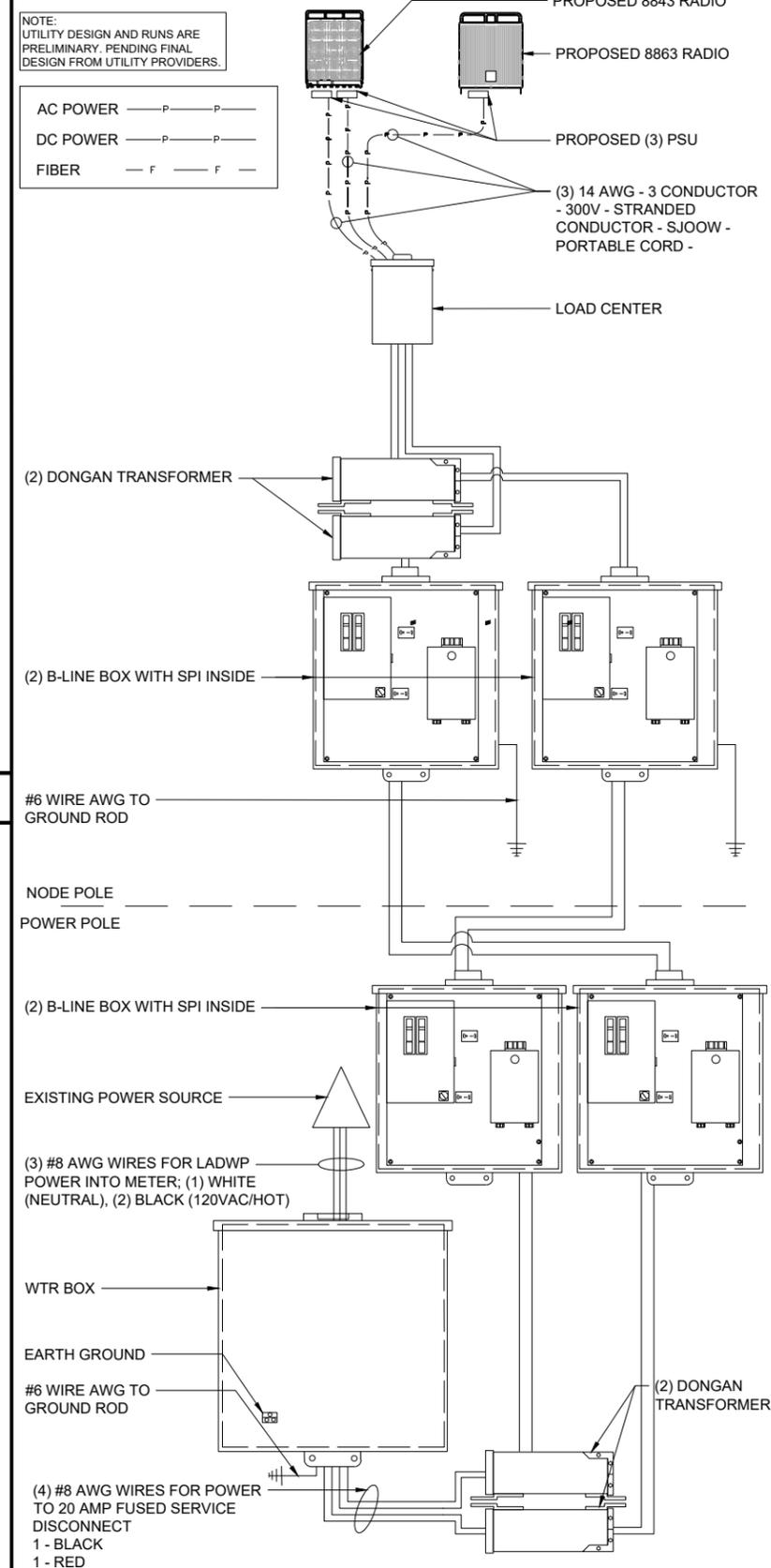
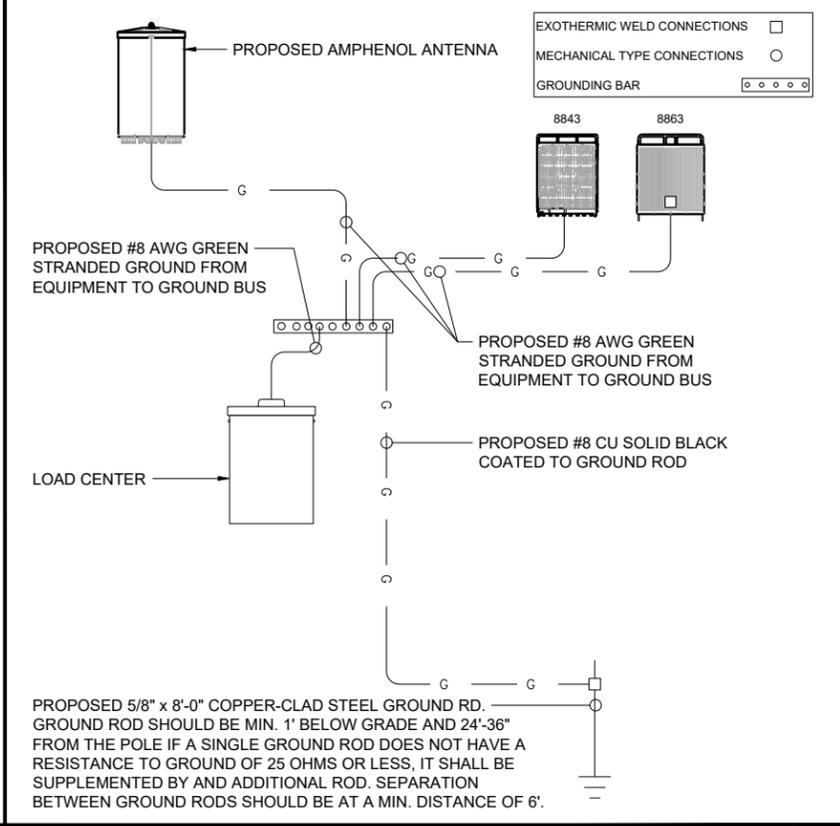
DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER: **SCL CULVER 13**

SHEET NAME: **EQUIPMENT DETAILS**

DATE DRAWN: **08/07/2023**

SCALE: **AS SHOWN**



NOT USED 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 1

GROUNDING SCHEMATIC 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 2

PANEL CIRCUIT AND LOAD SCHEDULE

LOAD								TO RADIOS
DESCRIPTION	QTY	UNIT V.A.	TRIP	POLES	WIRE SIZE	K.A.I.C	WIRE TYPE	
1 PSU 1 - PSU AC 08 (8843)	1	658	10A	1	8	10	Cu	
2 PSU 3 - PSU AC 08 (8863)	1	942	10A	1	8	10	Cu	
3 PSU 2 - PSU AC 08 (8843)	1	622	10A	1	8	10	Cu	
4								
5								
6								
7								
8								
9								
10								
11								
12								
TOTAL NON-CONTINUOUS								
TOTAL VA		2,222	VOLTAGE: 120/240 V		PHASE: 1			
TOTAL AMPS		18.52	MAIN LUG:		WIRES: 3			

LOAD SCHEDULE 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 3

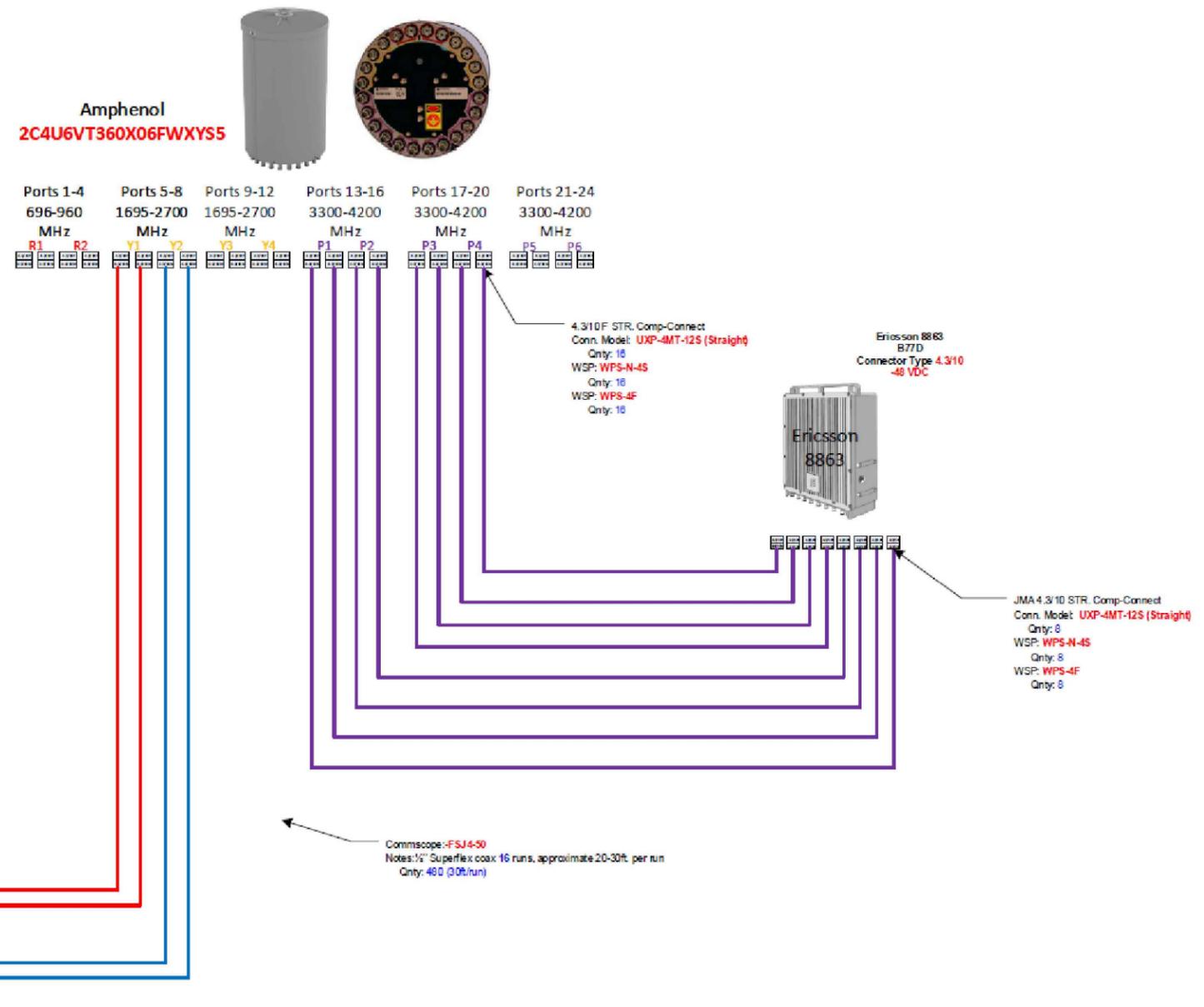
ONE-LINE DIAGRAM 11"x17" SCALE: N.T.S. 24"x36" SCALE: N.T.S. 4

E-1

CROWN CASTLE EQUIPMENT DETAILS

NODE ID: SCL CULVER 13	
NODE INFORMATION	
CROWN NODE ID	SCL CULVER 13
POLE ID	29995Y
POLE OWNER	VERIZON
POWER PROVIDER	SCE
HUB ID	124434 (WASHINGTON)
CLUSTER/AREA	PRP_VZW_VCA2_WASHINGTON 2_26 NODES
LATITUDE	34.001845°
LONGITUDE	-118.404724°
NEAREST ADDRESS	4604 SEPULVEDA BLVD
AZIMUTH	360°

POWER SOURCE POLE INFORMATION	
POWER POLE ID	929629E
POLE OWNER	SCE
LATITUDE	34.000172°
LONGITUDE	-118.406585°
NEAREST ADDRESS	11265 HUNTLEY AVE



ENGINEER:	
 Pramira ARCHITECTURAL & ENGINEERING SERVICES	
OWNER/DEVELOPER:	
 CROWN CASTLE 200 SPECTRUM CENTER DRIVE, 19TH FLOOR IRVINE, CA 92618	
TITLE:	
CROWN CASTLE POLE #: 29995Y	

REVISIONS			
REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER:	SCL CULVER 13
SHEET NAME:	RF PLUMBING DIAGRAM
DATE DRAWN:	08/07/2023
SCALE:	AS SHOWN

CROWN CASTLE GROUNDING DETAILS

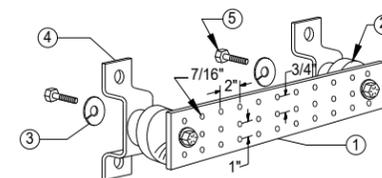
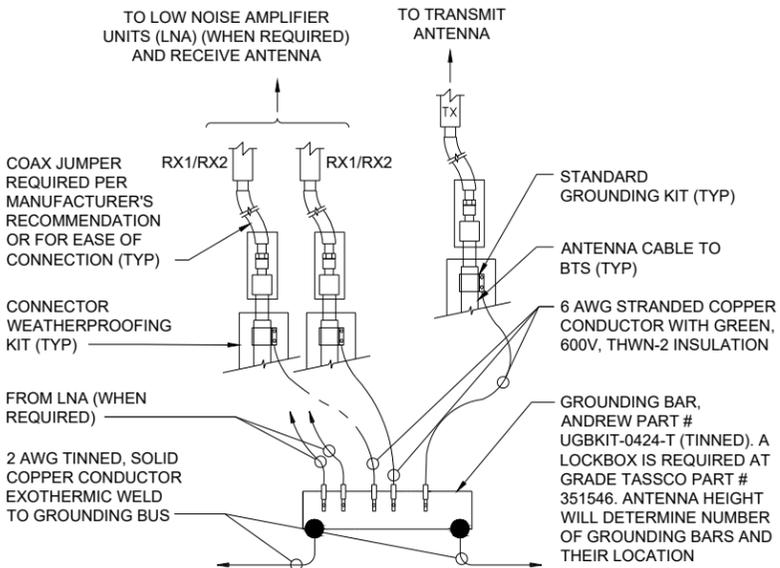
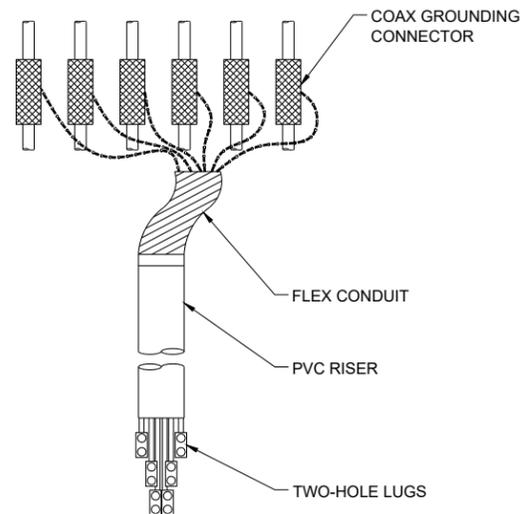
NODE ID:
SCL CULVER 13

NODE INFORMATION

CROWN NODE ID: **SCL CULVER 13**
 POLE ID: **29995Y**
 POLE OWNER: **VERIZON**
 POWER PROVIDER: **SCE**
 HUB ID: **124434 (WASHINGTON)**
 CLUSTER/AREA: **PRP_VZW_VCA2_WASHINGTON_2_26 NODES**
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 LONGITUDE: **-118.404724°**
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 AZIMUTH: **360°**

POWER SOURCE POLE INFORMATION

POWER POLE ID: **929629E**
 POLE OWNER: **SCE**
 LATITUDE: **34.000172°**
 LONGITUDE: **-118.406585°**
 NEAREST ADDRESS: **11265 HUNTLEY AVE**



LEGEND

- 1- TINNED COPPER GROUND BAR, 1/4"x4"x20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
- 2- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
- 3- 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
- 4- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056
- 5- 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1

COAX GROUND KIT

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

1

GROUNDING BAR CONNECTION

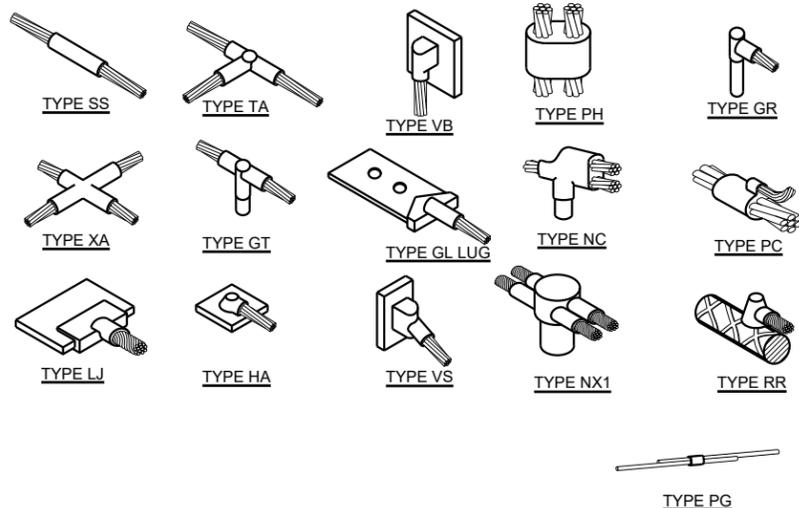
11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

2

GROUND BAR DETAIL

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

3



TYPICAL CADWELD TYPES

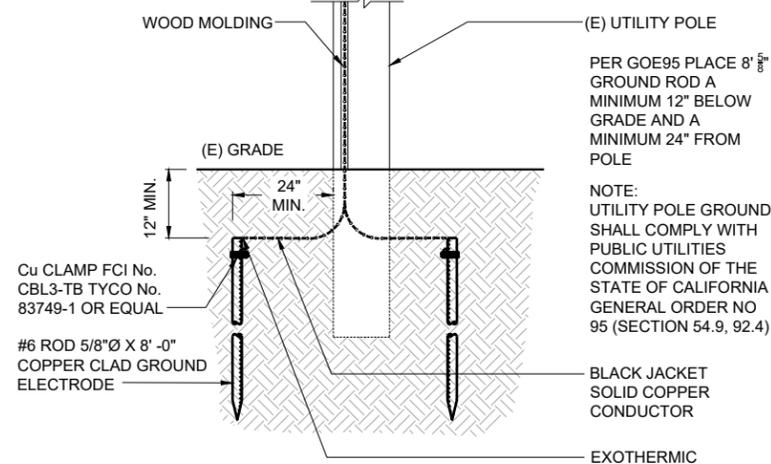
11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

4

GROUND ROD

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

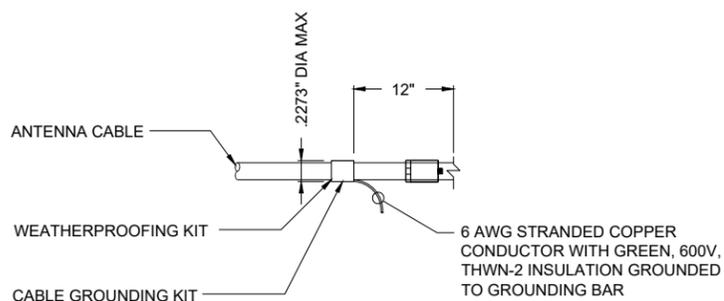
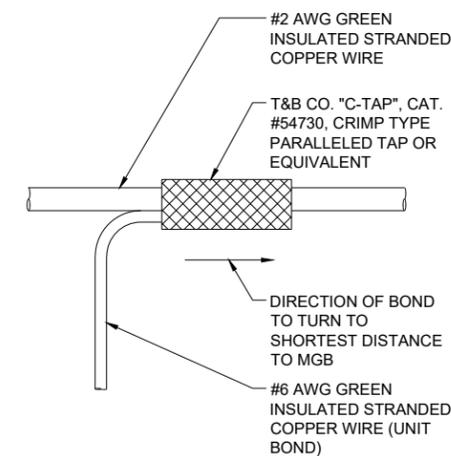
5



GROUNDING WIRE CONNECTION

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

6



NOT USED

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

7

CABLE GROUND KIT DETAIL

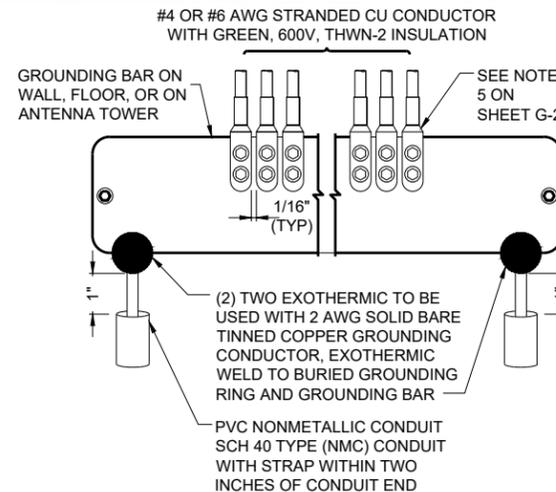
11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

8

WIRE TO GROUND BAR CONNECTION

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

9



TITLE:
**CROWN CASTLE
POLE #: 29995Y**

REVISIONS

REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER: **SCL CULVER 13**

SHEET NAME: **GROUNDING DETAILS**

DATE DRAWN: **08/07/2023**

SCALE: **AS SHOWN**

G-1

CROWN CASTLE
PHOTOSIMS

NODE ID:
SCL CULVER 13



EXISTING WOOD UTILITY POLE
TO BE REMOVED AND REPLACED
(ID#: 29995Y)

EXISTING LOOKING NORTHEAST

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

2



PROPOSED CROWN CASTLE
FIBER ATTACHMENT

PROPOSED OVERHEAD LOW
VOLTAGE CONDUCTOR TO BE
OVERLASHED ONTO PROPOSED
CROWN CASTLE STRAND
ATTACHMENT (±1,016'-0" L.F.)

PROPOSED (3) INTEGRATED
5G ANTENNAS

PROPOSED ANTENNA
ARM ATTACHMENT

PROPOSED RF CAUTION SIGNAGE

PROPOSED FIBER TAP DROP

PROPOSED CROWN CASTLE RADIO
SHROUD WITH (1) 8843, (1) 8863 RADIOS,
(3) PSU AND (1) FUTURE FRONTHAUL

PROPOSED LOAD CENTER

PROPOSED (2) B-LINE BOX WITH SPI

PROPOSED (2) DONGAN
BUCK AND BOOST

PROPOSED RF NOTICE SIGNAGE

PROPOSED WOOD UTILITY POLE
(ID#: 29995Y)

PROPOSED LOOKING NORTHEAST

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

1

NODE INFORMATION

CROWN NODE ID: **SCL CULVER 13**
POLE ID: **29995Y**
POLE OWNER: **VERIZON**
POWER PROVIDER: **SCE**
HUB ID: **124434 (WASHINGTON)**
CLUSTER/AREA: **PRP_VZW_VCA2_WASHINGTON 2_26 NODES**
LATITUDE: **34.001845°**
LONGITUDE: **-118.404724°**
NEAREST ADDRESS: **4604 SEPULVEDA BLVD**
AZIMUTH: **360°**

POWER SOURCE POLE INFORMATION

POWER POLE ID: **929629E**
POLE OWNER: **SCE**
LATITUDE: **34.000172°**
LONGITUDE: **-118.406585°**
NEAREST ADDRESS: **11265 HUNTLEY AVE**

ENGINEER:



ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:



**CROWN
CASTLE**
200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:

CROWN CASTLE
POLE #: 29995Y

REVISIONS

REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER: **SCL CULVER 13**

SHEET NAME: **PHOTOSIMS**

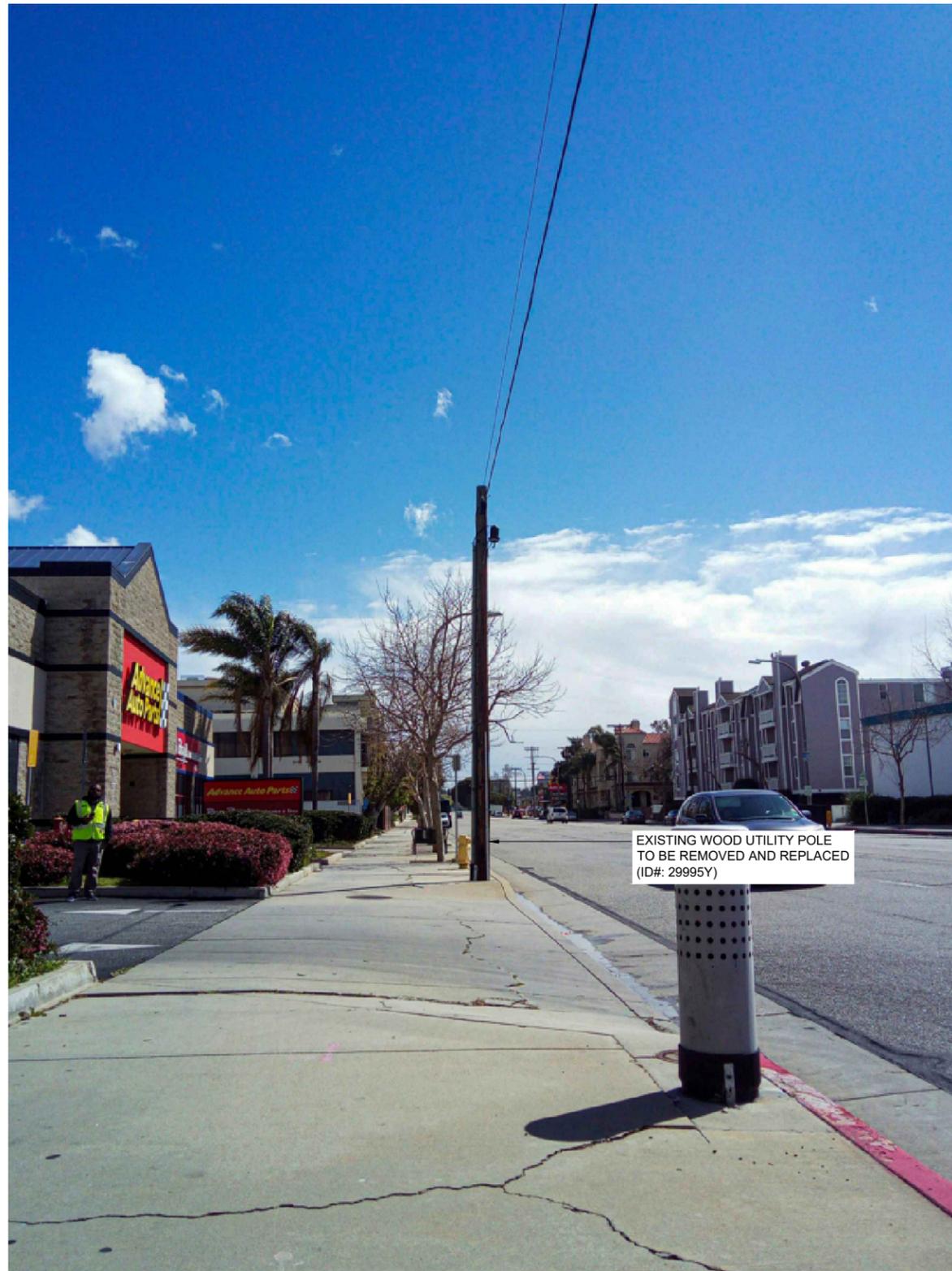
DATE DRAWN: **08/07/2023**

SCALE: **AS SHOWN**

P-1

CROWN CASTLE
PHOTOSIMS

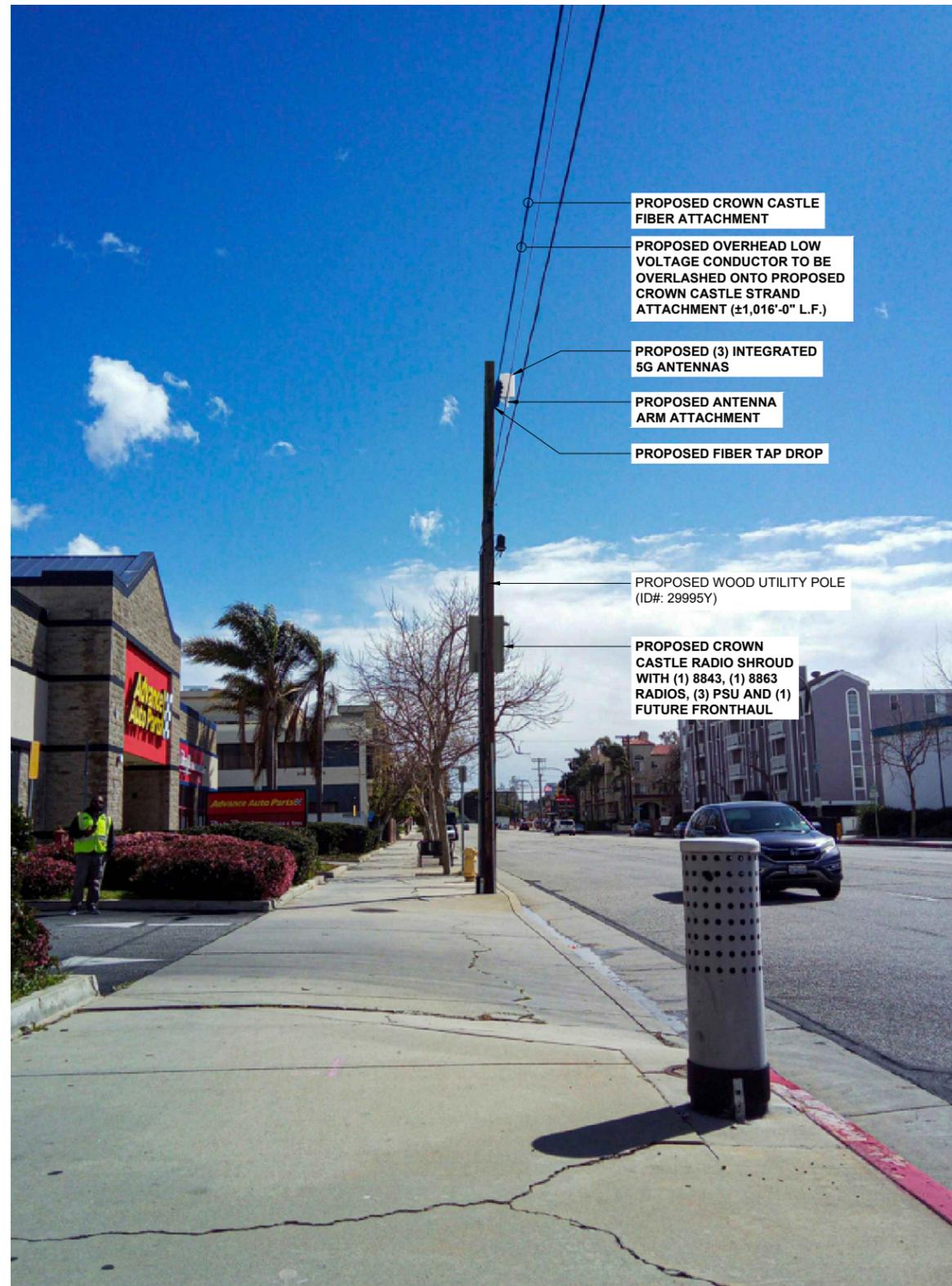
NODE ID:
SCL CULVER 13



EXISTING LOOKING NORTHWEST

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

2



PROPOSED LOOKING NORTHWEST

11"x17" SCALE: N.T.S.
24"x36" SCALE: N.T.S.

1

NODE INFORMATION

CROWN NODE ID: SCL CULVER 13
 POLE ID: 29995Y
 POLE OWNER: VERIZON
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 HUB ID: 124434 (WASHINGTON)
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ENGINEER:



OWNER/DEVELOPER:



TITLE:
CROWN CASTLE
POLE #: 29995Y

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A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	G.A.	G.A.

PROJECT NUMBER: SCL CULVER 13

SHEET NAME: PHOTOSIMS

DATE DRAWN: 08/07/2023

SCALE: AS SHOWN

P-2

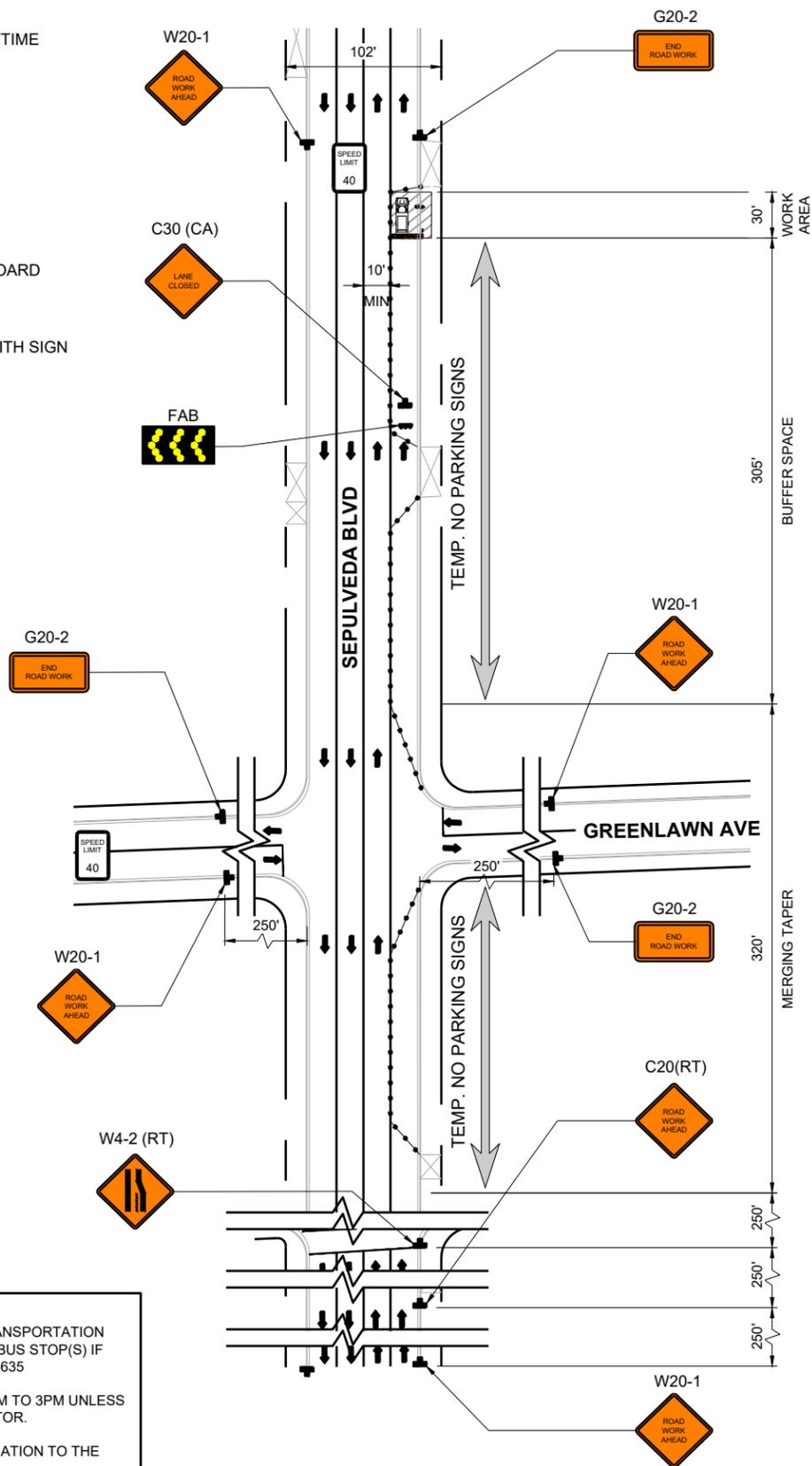
CROWN CASTLE TCP (PLAN ONLY)

NODE ID:
SCL CULVER 13

LEGEND

T.A.N.S.A.T. - TOW AWAY NO STOPPING AT ANYTIME

- SIGNALIZED INTERSECTION
- TRAFFIC CONE
- EXISTING DRIVEWAY
- PROPOSED SIGN AND POST
- PROPOSED WORK AREA
- PROPOSED FLASHING ARROW BOARD
- FLAGGER
- EXISTING TYPE III BARRICADE/ WITH SIGN
- BUS STOP
- DIRECTION OF TRAVEL



- NOTE:**
- THE CONTRACTOR SHALL COORDINATE WITH TRANSPORTATION DEPARTMENT TO RELOCATE ANY AFFECTED EXISTING BUS STOP(S) IF NECESSARY AT LEAST 3 WEEKS IN ADVANCE - 310.253.5635
 - LANE CLOSURES CAN ONLY OCCUR BETWEEN 9AM TO 3PM UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
 - TRAFFIC CONTROL IS SUBJECT TO FIELD MODIFICATION TO THE SATISFACTION OF THE PUBLIC WORKS INSPECTOR.

DURATION NOTES

- WORK OPERATIONS ARE 60 MINUTES OR LESS
- SPEED LIMIT IS 45 MPH OR LESS
- NO SIGHT OBSTRUCTIONS TO VEHICLES APPROACHING THE WORK AREA FOR A DISTANCE EQUAL TO THE BUFFER SPACE
- VEHICLES IN THE WORK AREA HAVE HIGH-INTENSITY, ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS OPERATING
- VOLUME AND COMPLEXITY OF THE ROADWAY HAS BEEN CONSIDERED

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) 2019 EDITION.
- ALL STRINGS AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA, STANDARD PLANS AND SPECIFICATIONS, INCLUDING STANDARD PLAN A-20, DETAILS.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK AREA OVERNIGHT. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE, IF USED DURING NIGHT-TIME HOURS.
- THE CONTRACTOR SHALL MAINTAIN ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS, OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC. FROM TRAVEL LANE.
- REMOVE OR TUNE OFF SIGNS DURING NON-WORK HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKING SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- "ROAD WORK AHEAD" AND THE "BE PREPARED TO STOP" SIGNS MAY BE OMITTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
- CITY OF SANTA ANA STD 1126F

DIMENSION GUIDELINE

TEMPORARY TRAFFIC CONTROL PLAN DIMENSION GUIDELINES											
SPEED MPH (2)	Dimension A/B/C ADVANCE WARNING SIGN SPACING (5)		Dimension MERGING TAPER LENGTH		Dimension L/3 SHOULDER TAPER LENGTH		Dimension L/3 MINIMUM SHOULDER LENGTH		Dimension BUFFER SPACE (4-A) and FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0-8)		MINIMUM CHANNELIZER TAPER SPACING (3)
	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	150	180	180	25	50	12	12
30	250	180	90	60	200	200	210	30	60	15	15
35	250	225	120	85	250	250	220	35	70	17	17
40	250	300	150	110	300	300	310	40	80	20	20
45	350	340	170	130	350	350	350	45	90	22	22
50	500	400	200	150	400	400	420	50	100	25	25
55	500	450	220	170	450	450	450	55	100	25	25
60	500	500	240	190	500	500	500	60	100	25	25
65	500	550	260	210	550	550	550	65	100	25	25

(1) Work on Freeways and Expressways shall meet the Caltrans Standard Plans and Standard Specification requirements.
 (2) Posted Speed or observed operating speed (whichever is greater)
 (3) Channelizer spacing shall be reduced by half at areas where work is taking place on curved or areas of head-on conflict.
 (4-A) Buffer space may be inserted in low-speed urban areas and should be inserted in high-speed urban and rural areas.
 (4-B) The Stopping Sight Distance should enable Road User to see the Primary Flagger Station and safety stop.
 (5) Sign spacing in rural areas should be 500 ft.
 (6) ** Table 6F-10(CA)

NODE INFORMATION

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 POLE OWNER: **SCE**
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 LONGITUDE: **-118.406585°**
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ENGINEER:

Pramira
ARCHITECTURAL & ENGINEERING SERVICES

OWNER/DEVELOPER:

CROWN CASTLE
200 SPECTRUM CENTER DRIVE, 19TH FLOOR
IRVINE, CA 92618

TITLE:
**CROWN CASTLE
POLE #: 29995Y**

REVISIONS

REV	DATE	DESCRIPTION	BY
A	08/07/2023	90% CONSTRUCTION DRAWINGS	JD
B	09/28/2023	95% CONSTRUCTION DRAWINGS	JR

DRAWN BY: **JD** CHECKED BY: **G.A.** APPROVED BY: **G.A.**

PROJECT NUMBER: **SCL CULVER 13**

SHEET NAME: **ELEVATIONS**

DATE DRAWN: **08/07/2023**

SCALE: **AS SHOWN**

TCP PLAN