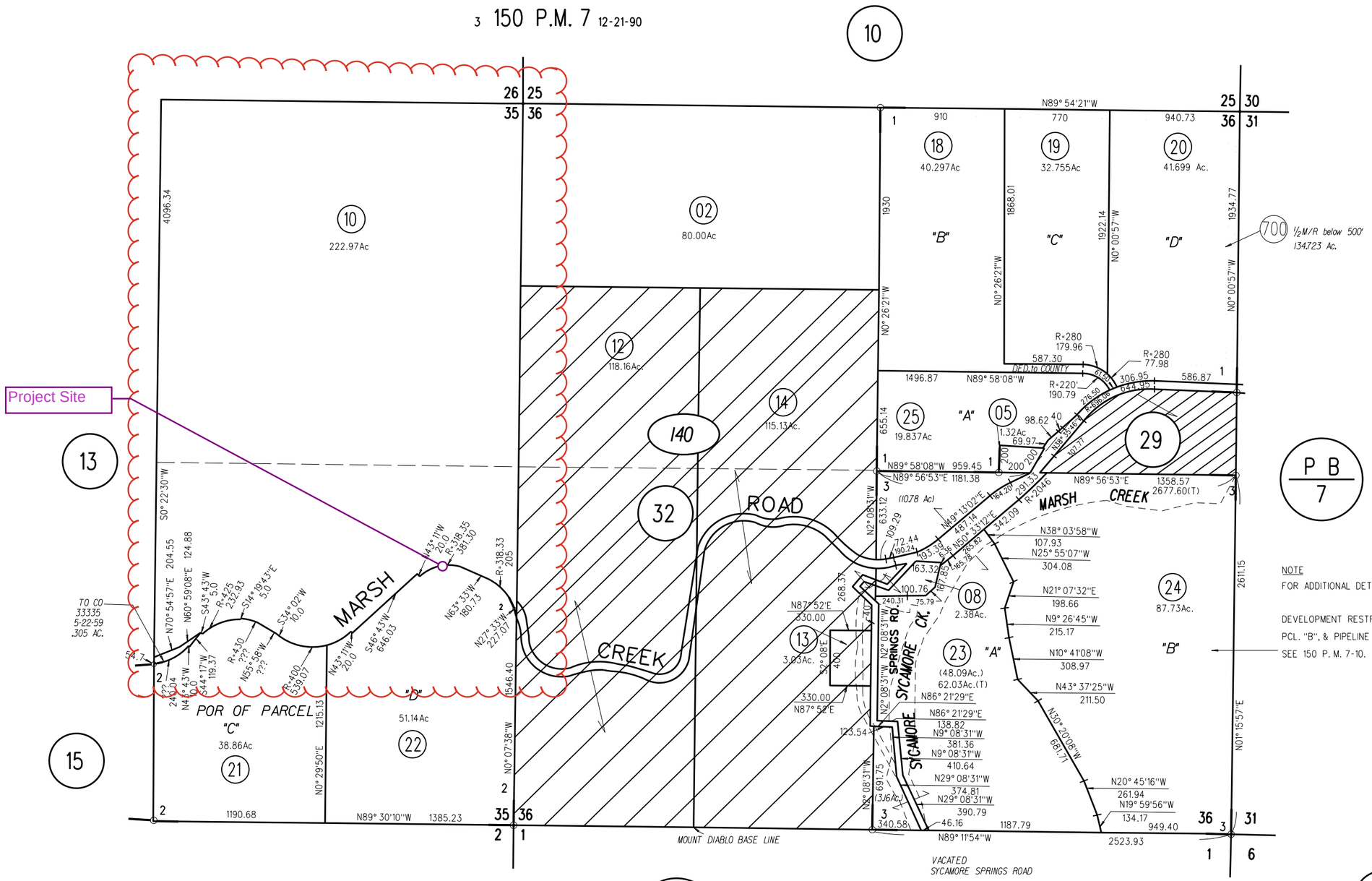
E ½ SEC 35 & SEC 36 T1N R1E MDBM

1- 37P.M.18 & 19 3-14-75
2- 89P.M.22 9-17-80
3 150 P.M. 7 12-21-90

1" = 800'



NOTE
FOR ADDITIONAL DETAILS OF

DEVELOPMENT RESTRICTIONS OF
PCL. "B", & PIPELINE ESMTS.,
SEE 150 P. M. 7-10.

P B 7

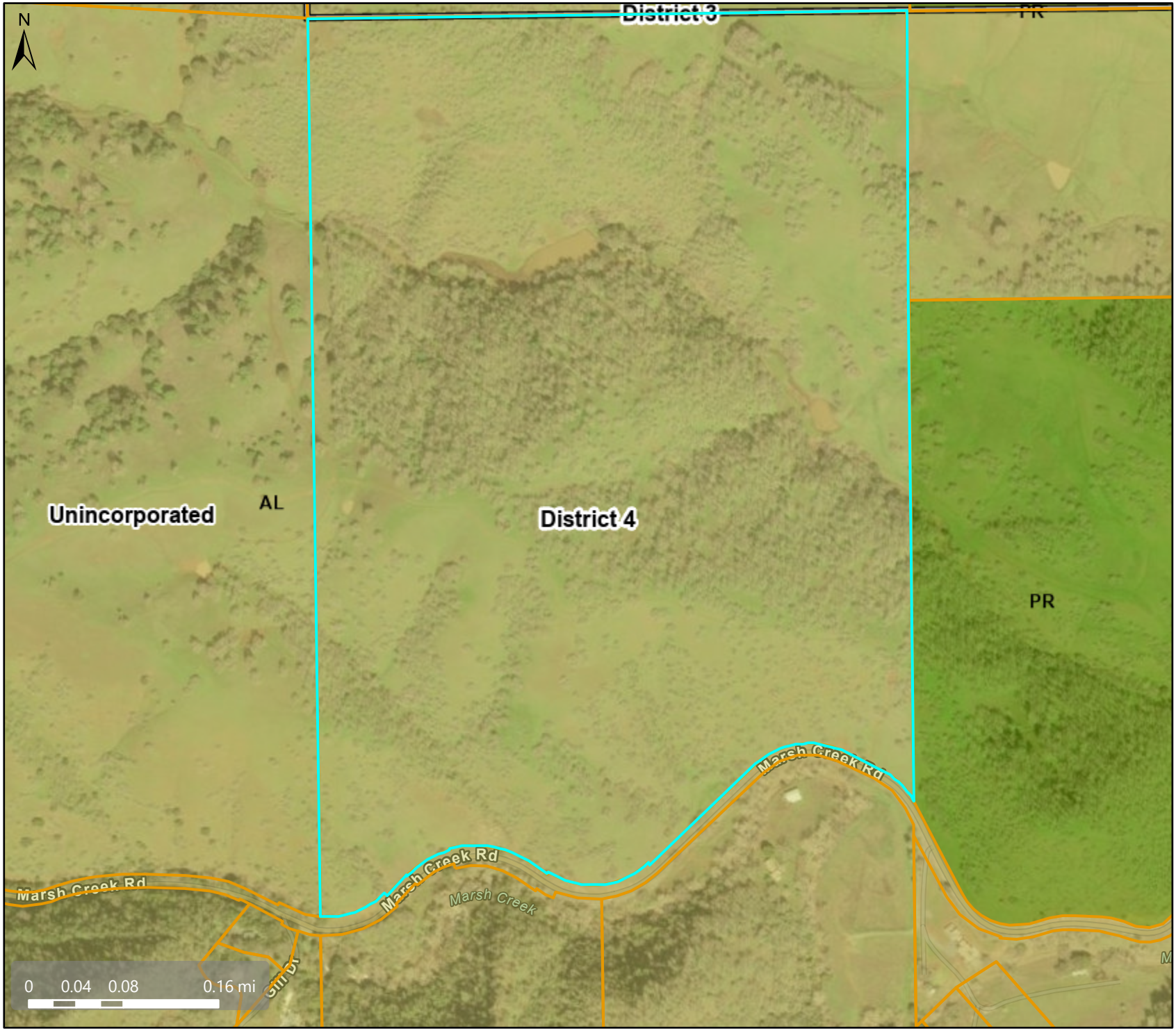
P B 80

NOTE: THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE INFORMATION DELINEATED HEREON. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT SPLIT OR BUILDING SITE ORDINANCES.

140 25
10/16/14

2/25/91
ASSESSOR'S MAP
BOOK 78 PAGE 14
40-14 CONTRA COSTA COUNTY, CALIF.

General Plan Designation - AL



Map Legend

- Assessment Parcels

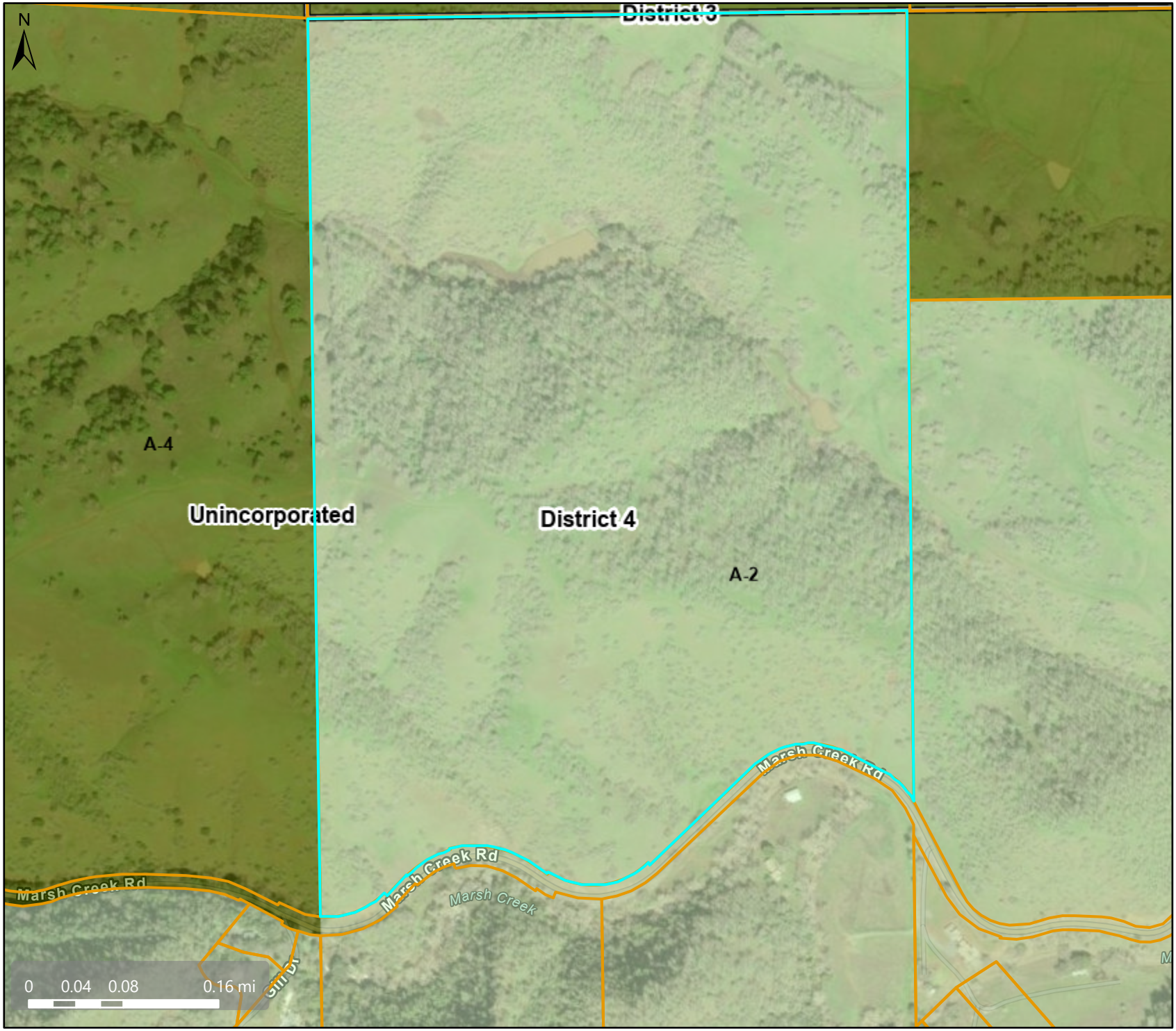
Planning Layers (DCD)

General Plan

- PR (Park and Recreation)
- AL (Agricultural Lands) (1 du/10 ac) (1 du/20 ac in DPZ)
- Unincorporated
- Board of Supervisors' Districts

Spatial Reference
PCS: WGS 1984 Web Mercator Auxiliary Sphere
Datum: WGS 1984

Zoning District - A-2

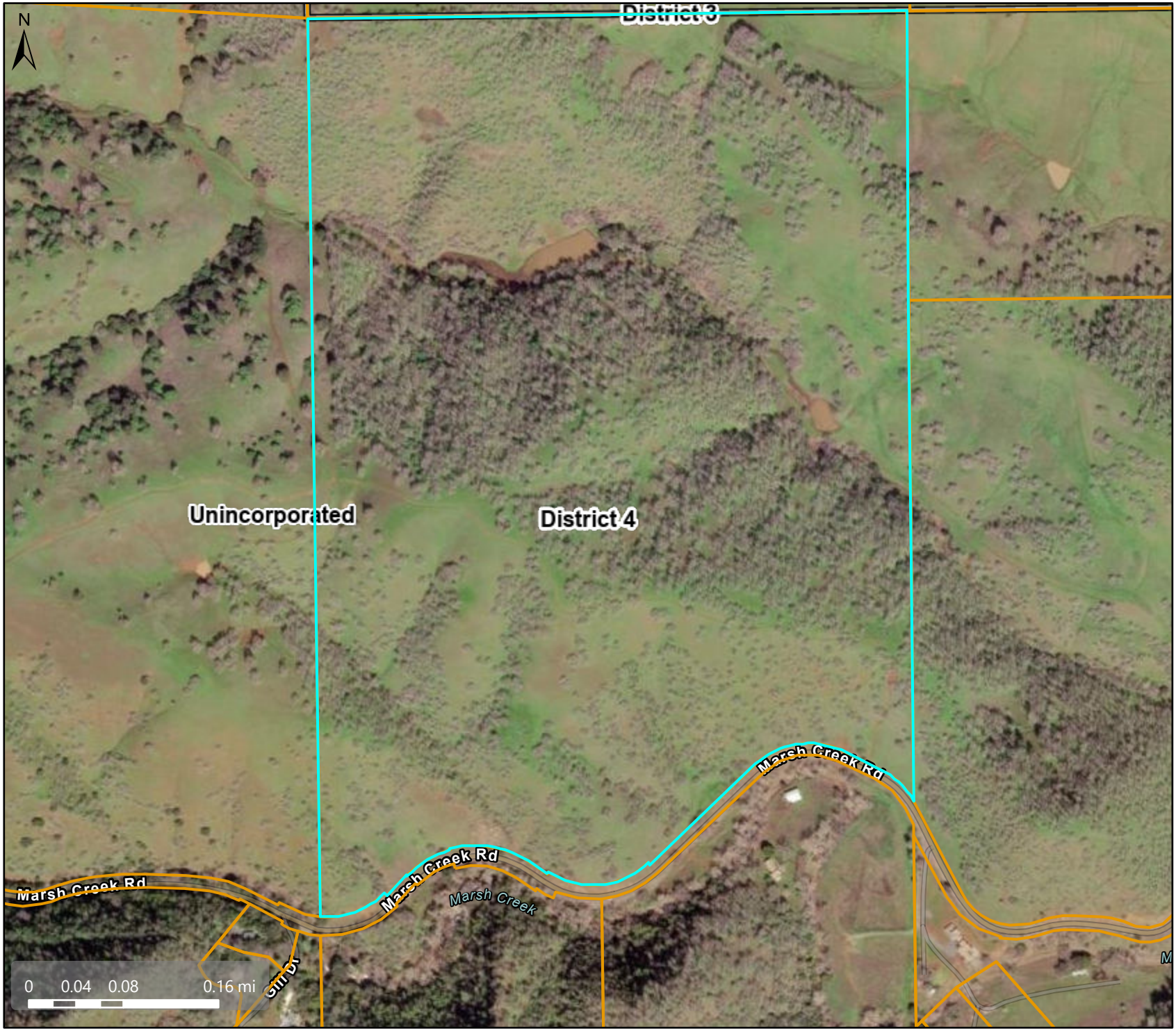


Map Legend

- Assessment Parcels
- Planning Layers (DCD)
- Zoning
- ZONE_OVER
  - A-2 (General Agriculture)
  - A-4 (Agricultural Preserve)
  - Unincorporated
- Board of Supervisors' Districts

Spatial Reference
PCS: WGS 1984 Web Mercator Auxiliary Sphere
Datum: WGS 1984

Aerial View



Map Legend

- Assessment Parcels

Planning Layers (DCD)

- Unincorporated
- Board of Supervisors' Districts

Spatial Reference
PCS: WGS 1984 Web Mercator Auxiliary Sphere
Datum: WGS 1984

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

SITE ID:	MARSH CREEK RD SC1
MDG LOCATION ID:	5000932531
SITE TYPE:	WOOD JPA UTILITY POLE
POLE #:	TBD
COUNTY:	CONTRA COSTA COUNTY

PROJECT TEAM

APPLICANT:
VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA 94598

PROJECT MANAGER:
NEXTEDGE
1355 WINDWARD CONCOURSE, SUITE 410
ALPHARETTA, GA 30005
PHONE: (415) 989.1102
EMAIL: NCA_VZW_PRECON@MODUSLLC.COM

A&E PROJECT MANAGER:
NEXTEDGE
1355 WINDWARD CONCOURSE, SUITE 410
ALPHARETTA, GA 30005
PHONE: (530) 305-6898
EMAIL: TODD.LAWRENCE@NEXTEDGENETWORKS.COM

CONSTRUCTION/IMPLEMENTATION MANAGER:
NEXTEDGE
1355 WINDWARD CONCOURSE, SUITE 410
ALPHARETTA, GA 30005
PHONE: (415) 989.1102
EMAIL: NCA_VZW_PRECON@MODUSLLC.COM

PROJECT DESCRIPTION

VERIZON WIRELESS PROPOSES TO INSTALL A NEW WIRELESS COMMUNICATION SITE ON AN EXISTING WOOD JPA UTILITY POLE IN THE PUBLIC RIGHT-OF-WAY.

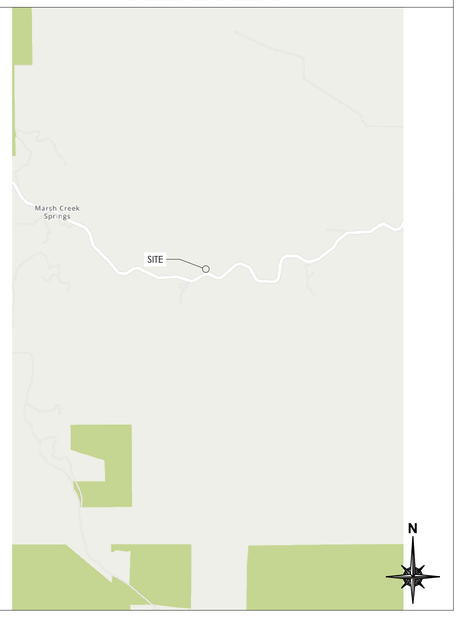
SCOPE:
- INSTALL (2) NEW 5G ANTENNA UNITS ON SIDE OF UTILITY POLE
- INSTALL (1) RADIO 8863, (1) 4490 INSIDE RADIO CABINET
- INSTALL (1) RADIO CABINET ON SIDE OF UTILITY POLE
- USE EXISTING MOUNTING BRACKET ON SIDE OF UTILITY POLE
- ALL VERIZON ADDED APPURTENANCES SHALL BE PAINTED TO MATCH POLE COLOR*

*NOTE: INTEGRATED ANTENNA UNITS CANNOT BE PAINTED

DRAWING INDEX

POLE PHOTO

VICINITY MAP



SITE INFORMATION

SITE ADDRESS:	(ADJ. TO) 14101 MARSH CREEK RD CLAYTON, CA 94517
OWNER:	VERIZON WIRELESS 2770 SHADELANDS DR. WALNUT CREEK, CA 94598
APPLICANT:	VERIZON WIRELESS 2785 MITCHELL DRIVE, SUITE 9 WALNUT CREEK, CA 94598
LATITUDE:	37.885587° NAD83
LONGITUDE:	-121.830167° NAD83
COUNTY:	CONTRA COSTA COUNTY
ASSESSORS PARCEL NUMBER:	PUBLIC RIGHT OF WAY ADJACENT TO 078-140-010
ZONING:	ADJ. TO N/A
ELEVATION:	±502.0' AMSL

CALL 811 BEFORE YOU DIG
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.

CODE COMPLIANCE

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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2022 CALIFORNIA BUILDING CODE (CBC), BASED ON THE 2021 IBC
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), BASED ON THE 2020 NEC
- 2022 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2021 UMC
- 2022 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2021 UPC
- 2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN)
- 2022 CALIFORNIA FIRE CODES WITH ALL LOCAL AMENDMENTS, BASED ON THE 2021 IFC
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- CALIFORNIA GENERAL ORDER 95 (G.O. 95, 2020)
- NCJPA OPERATIONS/ ROUTINE HANDBOOK (2019)
- NATIONAL ELECTRICAL CODE (NEC) (2023 EDITION)
- NATIONAL ELECTRICAL SAFETY CODE IEEE C2 2023 (NESC)
- CITY / COUNTY ORDINANCES

ACCESSIBILITY REQUIREMENTS FOR PERSONS WITH DISABILITIES:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 11038.

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge
1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. WEIR
No. 65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

TITLE SHEET

T-1

GENERAL NOTES

GENERAL CONSTRUCTION NOTES

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 2 WORKING DAYS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.

4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.

6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.

7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.

8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE AREA LINES, UNLESS OTHERWISE NOTED.

9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.

10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.

11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.

12. ANY EXISTING COMPONENTS DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.

13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

GENERAL NOTES FOR EXISTING CELL SITES

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.

2. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY CONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

5. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD (N) TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

6. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

APPLICABLE CODES, REGULATIONS AND STANDARDS:

1. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.

2. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE TIME OF PERMITTING AWARD SHALL GOVERN THE DESIGN.

3. CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
   - 3.1. - AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
   - 3.2. - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
   - 3.3. - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
   - 3.4. - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
   - 3.5. -IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

4. TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
   - 4.1. TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
   - 4.2. TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
   - 4.3. TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
   - 4.4. TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

5. ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

6. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

GENERAL TRENCHING NOTES

1. MAINTAIN 24" MINIMUM COVER FOR ALL ELECTRICAL CONDUITS, U.O.N.
2. MAINTAIN 30" MINIMUM COVER FOR ALL TELECOMMUNICATIONS CONDUITS.
3. MINIMUM 1" SAND SHADING BELOW CONDUITS, AND 6" COVERING ON TOP OF CONDUITS REQUIRED.
4. REFER TO SHEET E-1 FOR ADDITIONAL REQUIREMENTS

GENERAL GROUNDING NOTES

1. GROUNDING SHALL BE TESTED AT 5 OHMS OR LESS.
2. WOOD MOLDING, STAPLED EVERY 3'-0" AND AT EACH END.

GENERAL CONDUIT NOTES

1. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE.
2. SCHEDULE 40 CONDUIT FOR UNDERGROUND USE.
3. SCHEDULE 80 CONDUIT FOR RISER USE AND ELSEWHERE AS NOTES. TRANSITION FROM SCHEDULE 40 PVC OR RIGID STEEL CONDUIT TO SCHEDULE 80 USING APPROVED FITTINGS DESIGNED TO PROVIDE A SMOOTH INTERIOR WALL TRANSITION TO THE REDUCED INTERIOR DIAMETER OF SCHEDULE 80. ADJUST CONDUIT SIZE IF NECESSARY TO MAINTAIN THE INTERIOR AREA REQUIRED FOR THE WIRING SPECIFIED.
4. GALVANIZED STEEL CONDUIT FOR ANY CONDUIT UNDER 3", STUB UP 10" THEN CONVERT TO SCHEDULE 80.
5. CONTRACTOR TO STUB UP POLE 10" w/ 3" POWER CONDUIT. POWER COMPANY TO CONVERT FROM 3" STUB SCHEDULE 80 TO 2" SCHEDULE 80 FROM TOP OF STUB UP.
6. ZRC COLD GALVANIZING COMPOUND OR EQUIVALENT IS REQUIRED ON EXPOSED THREADS IN RIGID STEEL CONDUIT AND THE CUT ENDS OF SUPPORT STRUTS, ETC. TO PREVENT RUSTING.

TYPICAL R.O.W. POLE CONSTRUCTION NOTES

1. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF POLE FACE.
2. ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
3. NO BOLT THREADS TO PROTRUDE MORE THAN 1-1/2"
4. ALL HOLES IN POLE LEFT FROM REARRANGEMENT OF CLIMB STEPS TO BE FILLED.
5. 90° SHORT SWEEPS UNDER ANTENNA ARM, ALL CABLES MUST TRANSITION ON THE INSIDE OR BOTTOM OF THE ARM (NO CABLE ON TOP OF ARM).
6. USE 90° CONNECTOR AT CABLE CONNECTION FOR OMNI DOWN ANTENNAS.
7. USE CABLE CLAMPS TO SECURE CABLE TO ARMS, PLACE 2" VERIZON WIRELESS CABLE I.D. TAGS ON BOTH SIDES OF ARMS.
8. USE 1/2" DIA. CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
9. PLACE GPS ON ARM OF SOUTHERN SKY EXPOSURE AT MINIMUM 6' FROM TRANSMIT ANTENNA WHICH IS 24" AWAY FROM CENTER OF POLE.
10. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

CONTRACTOR REQUIREMENTS

DO NOT SCALE OFF DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK

ABBREVIATIONS

A.B.	ANCHOR BOLT	GLB. (GLU-LAM)	GLUE LAMINATED BEAM
ABV.	ABOVE	GPS	GLOBAL POSITIONING SYSTEM
ACCA	ANTENNA CABLE COVER ASSEMBLY	GRND.	GROUND
ADD'L	ADDITIONAL	HDR.	HEADER
A.F.F.	ABOVE FINISHED FLOOR	HGR.	HANGER
A.F.G.	ABOVE FINISHED GRADE	HT.	HEIGHT
AGL	ABOVE GROUND LEVEL	ICGB.	ISOLATED COPPER GROUND BUS
ALUM	ALUMINUM	IN.(")	INCH(ES)
ALT.	ALTERNATE	INT.	INTERIOR
AMSL	ABOVE SEA LEVEL	LB.(#)	POUND(S)
ANT.	ANTENNA	L.B.	LAG BOLTS
APPRX.	APPROXIMATE(LY)	L.F.	LINEAR FEET(FOOT)
ARCH.	ARCHITECT(URAL)	L.	LONGITUDINAL
AWG.	AMERICAN WIRE GAUGE	MAS.	MASONRY
BLDG.	BUILDING	MAX.	MAXIMUM
BLK.	BLOCK	M.B.	MACHINE BOLT
BLKG	BLOCKING	MECH.	MECHANICAL
BM.	BEAM	MFR.	MANUFACTURER
B.N.	BOUNDARY NAILING	MIN.	MINIMUM
BN	BACK-UP CABINET	MISC.	MISCELLANEOUS
BTCW.	BARE TINNED COPPER WIRE	MTL.	METAL
B.O.	BOTTOM	NO.(#)	NUMBER
B.O.F.	BOTTOM OF FOOTING	N.T.S.	NOT TO SCALE
CAB.	CABINET	(N)	NEW
CANT.	CANTILEVER(ED)	O.C.	ON CENTER
C.I.P.	CAST IN PLACE	OPNG.	OPENING
CLG.	CEILING	P/C	PRE CAST CONCRETE
℄	CENTERLINE	PCS	PERSONAL COMMUNICATION SERVICES
CLR.	CLEAR	℗	PLATE
COL.	COLUMN	PLY.	PLYWOOD
CONC.	CONCRETE	PPC.	POWER PROTECTION CABINET
CONN.	CONNECTION(OR)	PRC.	PRIMARY FLEXING CABINET
CONST.	CONSTRUCTION	P.S.F.	POUNDS PER SQUARE FOOT
CONT.	CONTINUOUS	P.S.I.	POUNDS PER SQUARE INCH
ⅆ	PENNY (NAILS)	P.T.	PRESSURE TREATED
DBL.	DOUBLE	PWR.	POWER (CABINET)
DEPT.	DEPARTMENT	QTY.	QUANTITY
D.F.	DOUGLAS FIR	RAD.(R)	RADIUS
DIA.	DIAMETER	REF.	REFERENCE
DIAG.	DIAGONAL	REINF.	REINFORCING
DIM.	DIMENSION	REQ'D.	REQUIRED
DWG.	DRAWING(S)	RGS.	RIGID GALVANIZED STEEL
DWL.	DOWEL(S)	R.O.W.	RIGHT OF WAY
EA.	EACH	SCH.	SCHEDULE
EL.	ELEVATION	SHT.	SHEET
ELEC.	ELECTRICAL	SIM.	SIMILAR
ELEV.	ELEVATOR	SPEC.	SPECIFICATION(S)
EMT.	ELECTRICAL METALLIC TUBING	SQ.	SQUARE
E.N.	EDGE NAIL	S.S.	STAINLESS STEEL
ENG.	ENGINEER	STD.	STANDARD
EQ.	EQUAL	STL.	STEEL
EXP.	EXPANSION	STRUC.	STRUCTURAL
EXST.(E)	EXISTING	TEMP.	TEMPORARY
EXT.	EXTERIOR	THK.	THICKNESS
FAB.	FABRICATION(OR)	T.N.	TOE NAIL
F.F.	FINISH FLOOR	T.O.A.	TOP OF ANTENNA
F.G.	FINISH GRADE	T.O.C.	TOP OF CURB
FIN.	FINISH(ED)	T.O.F.	TOP OF FOUNDATION
FLR.	FLOOR	T.O.P.	TOP OF PLATE(PARAPET)
FDN.	FOUNDATION	T.O.S.	TOP OF STEEL
F.O.C.	FACE OF CONCRETE	T.O.W.	TOP OF WALL
F.O.M.	FACE OF MASONRY	TYP.	TYPICAL
F.O.S.	FACE OF STUD	U.G.	UNDER GROUND
F.O.W.	FACE OF WALL	U.L.	UNDERWRITES LABORATORY
F.S.	FINISH SURFACE	U.N.O.	UNLESS NOTED OTHERWISE
FT.(')	FOOT(FEET)	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	W	WIDE(WIDTH)
G.	GROWTH(CABINET)	W/	WITH
GA.	GAUGE	WD.	WOOD
GI.	GALVANIZE(D)	W.P.	WEATHERPROOF
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER	WT.	WEIGHT

LEGEND

- SPOT ELEVATION
- REVISION (X)
- GRID REFERENCE (X)
- DETAIL REFERENCE (X/XX)
- ELEVATION REFERENCE (X/XX)
- SECTION REFERENCE (X/XX)
- MATCH LINE
- WORK POINT
- STEEL
- GROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- CENTERLINE
- PROPERTY/LEASE LINE
- GROUND CONDUCTOR
- T — TELEPHONE CONDUIT
- E — ELECTRICAL CONDUIT
- E/T — ELECTRICAL & TELCO CONDUITS
- A — COAXIAL CABLE
- O/H — OVERHEAD LINES
- X — CHAIN LINK FENCING
- WOOD FENCING
- OHT/OHP — OVERHEAD COMM/ OVERHEAD POWER

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER A. WARD — No.65117 — Exp. 09/30/25 — CIVIL — STATE OF CALIFORNIA

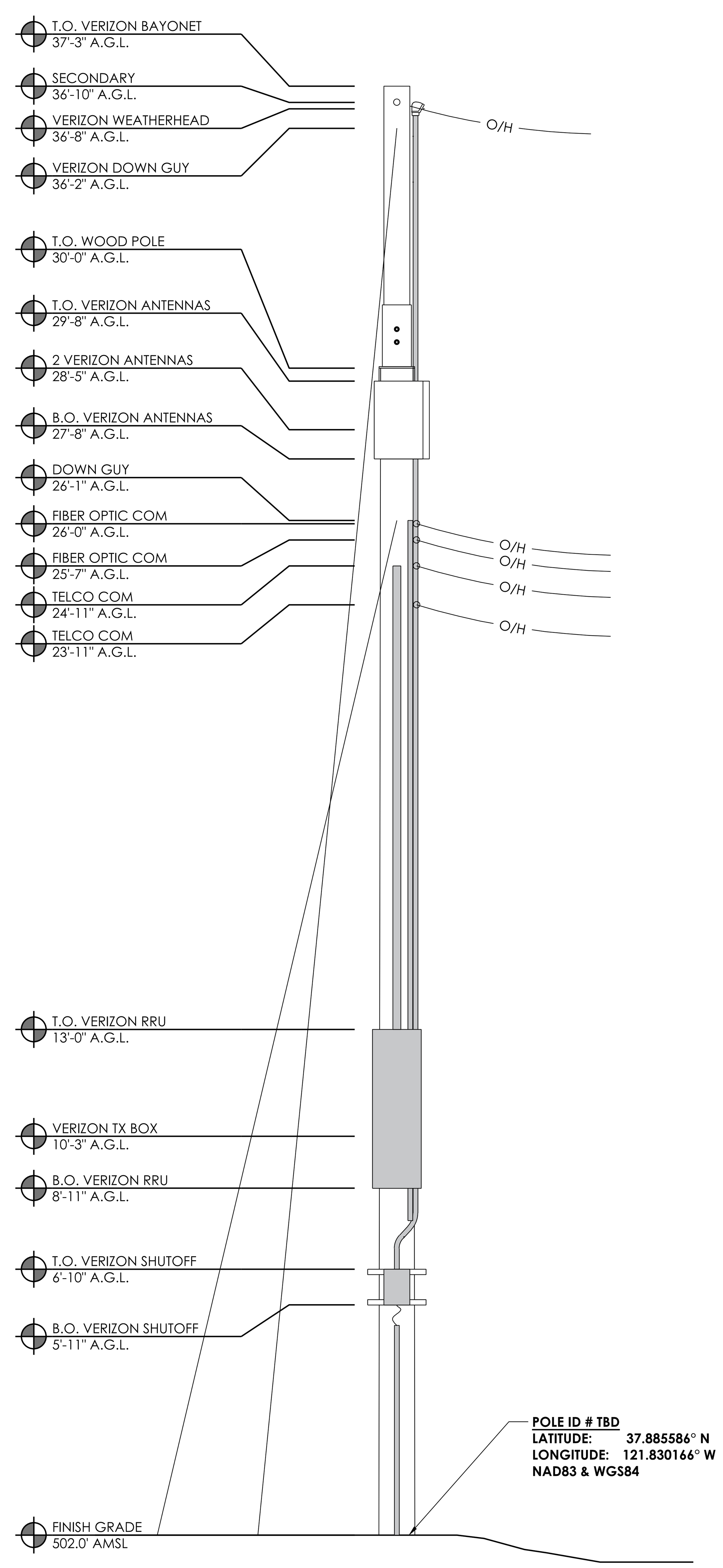
MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

GENERAL NOTES

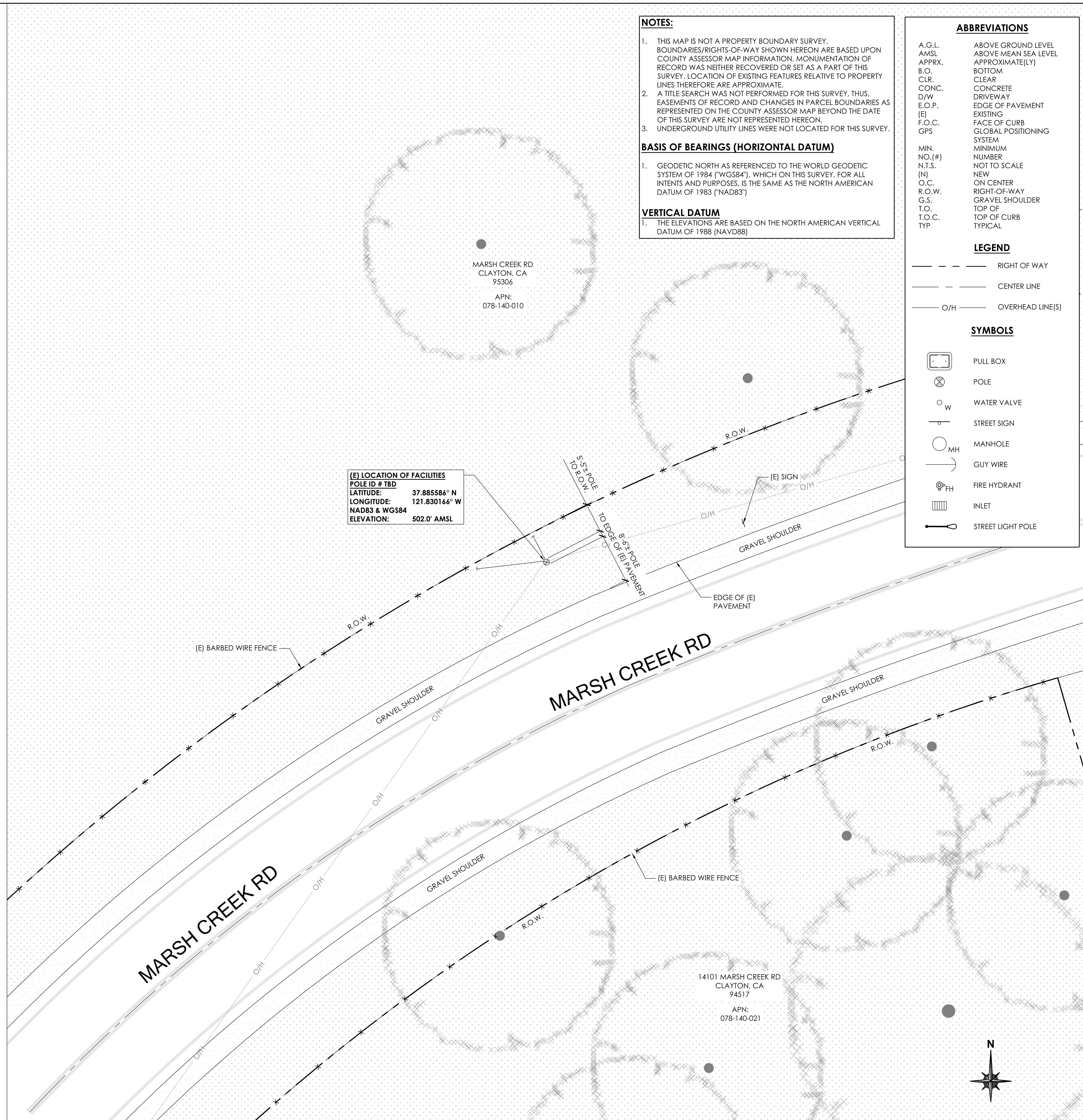
T-2

ELEVATION



SCALE 3/8"=1'-0" | 2

SITE PLAN



NOTES:

1. THIS MAP IS NOT A PROPERTY BOUNDARY SURVEY. BOUNDARIES/RIGHTS-OF-WAY SHOWN HEREON ARE BASED UPON COUNTY ASSESSOR MAP INFORMATION. MONUMENTATION OF RECORD WAS NEITHER RECOVERED OR SET AS A PART OF THIS SURVEY. LOCATION OF EXISTING FEATURES RELATIVE TO PROPERTY LINES THEREFORE ARE APPROXIMATE.
2. A TITLE SEARCH WAS NOT PERFORMED FOR THIS SURVEY, THUS, EASEMENTS OF RECORD AND CHANGES IN PARCEL BOUNDARIES AS REPRESENTED ON THE COUNTY ASSESSOR MAP BEYOND THE DATE OF THIS SURVEY ARE NOT REPRESENTED HEREON.
3. UNDERGROUND UTILITY LINES WERE NOT LOCATED FOR THIS SURVEY.

BASIS OF BEARINGS (HORIZONTAL DATUM)

1. GEODETIC NORTH AS REFERENCED TO THE WORLD GEODETIC SYSTEM OF 1984 ("WGS84"), WHICH ON THIS SURVEY, FOR ALL INTENTS AND PURPOSES, IS THE SAME AS THE NORTH AMERICAN DATUM OF 1983 ("NAD83")

VERTICAL DATUM

1. THE ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ABBREVIATIONS

A.G.L.	ABOVE GROUND LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPRX.	APPROXIMATE(LY)
B.O.	BOTTOM
CLR.	CLEAR
CONC.	CONCRETE
D/W	DRIVEWAY
E.O.P.	EDGE OF PAVEMENT
(E)	EXISTING
F.O.C.	FACE OF CURB
GPS	GLOBAL POSITIONING SYSTEM
MIN.	MINIMUM
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
(N)	NEW
O.C.	ON CENTER
R.O.W.	RIGHT-OF-WAY
G.S.	GRAVEL SHOULDER
T.O.	TOP OF
T.O.C.	TOP OF CURB
TYP	TYPICAL

LEGEND

- RIGHT OF WAY
- CENTER LINE
- O/H — OVERHEAD LINE(S)

SYMBOLS

- PULL BOX
- POLE
- WATER VALVE
- STREET SIGN
- MANHOLE
- GUY WIRE
- FIRE HYDRANT
- INLET
- STREET LIGHT POLE

24"x36" SCALE: 1" = 10'
11"x17" SCALE: 1" = 20'
10' 5' 0' 10'

SCALE 1"=10'-0" | 1

verizon

VERIZON WIRELESS
2770 SHADELANDS DR., BLDG. 11
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	FZA
CHECKED BY:	RM
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	11/15/24	100% SURVEY

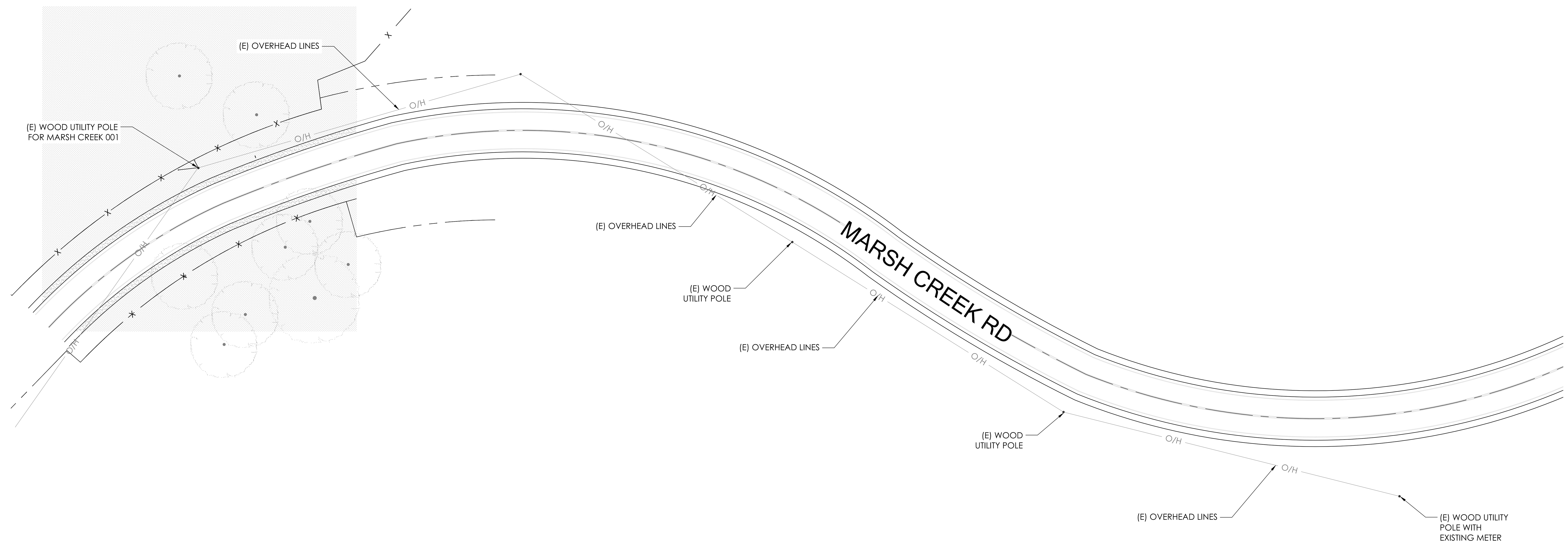
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER R. WERNER
No.65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

ACROSS FROM
14101 MARSH CREEK RD
CLAYTON, CA 94517

SURVEY

C-1



OVERALL SITE PLAN

24"x36" SCALE: 1" = 40'-0"
11"x17" SCALE: 1" = 80'-0"

40' 20' 0 40'

1

verizon✓

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

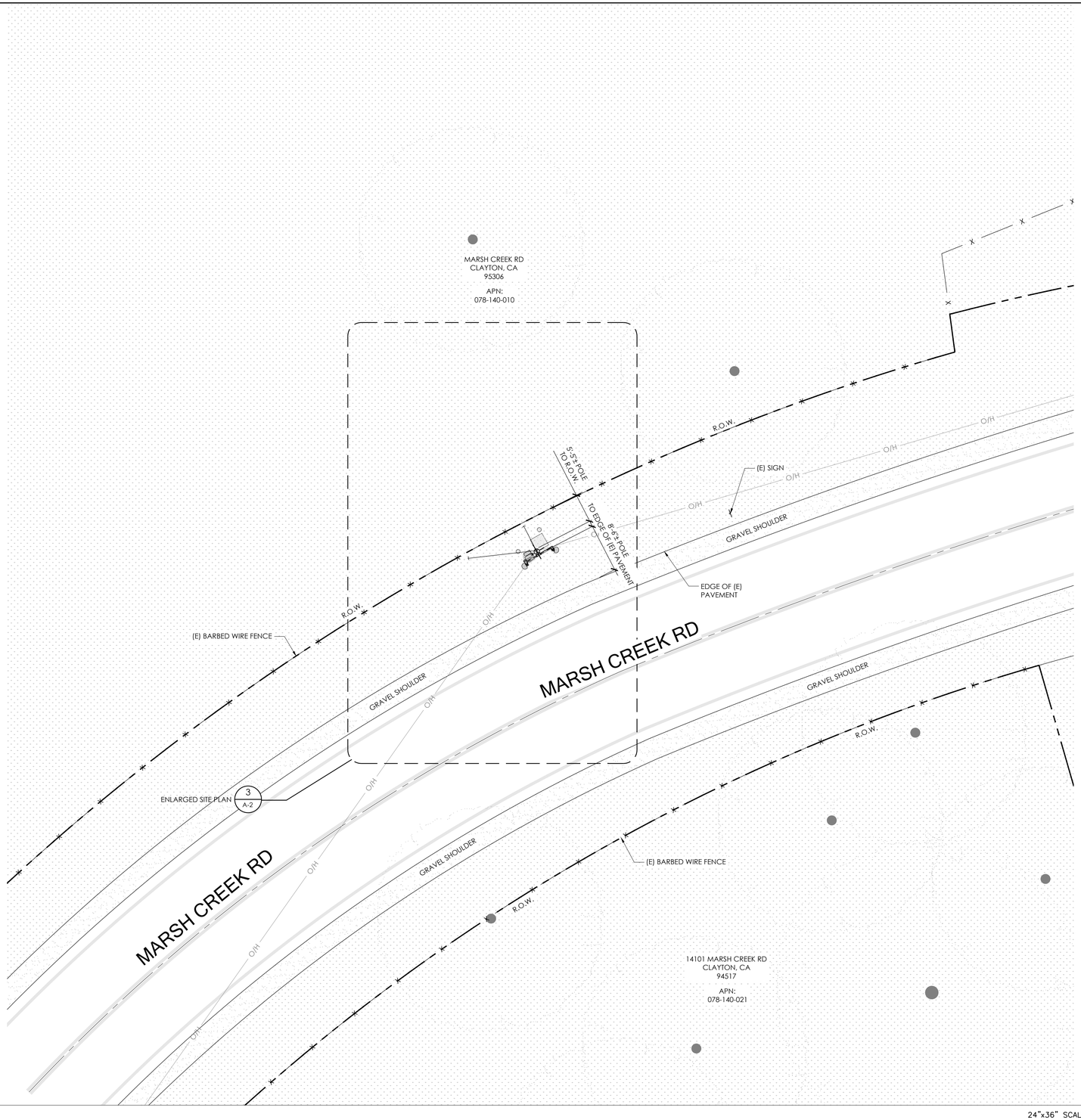
REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

OVERALL SITE PLAN

A-1



SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

10' 5' 0' 10'

1

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER D. WEAVER
No.65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

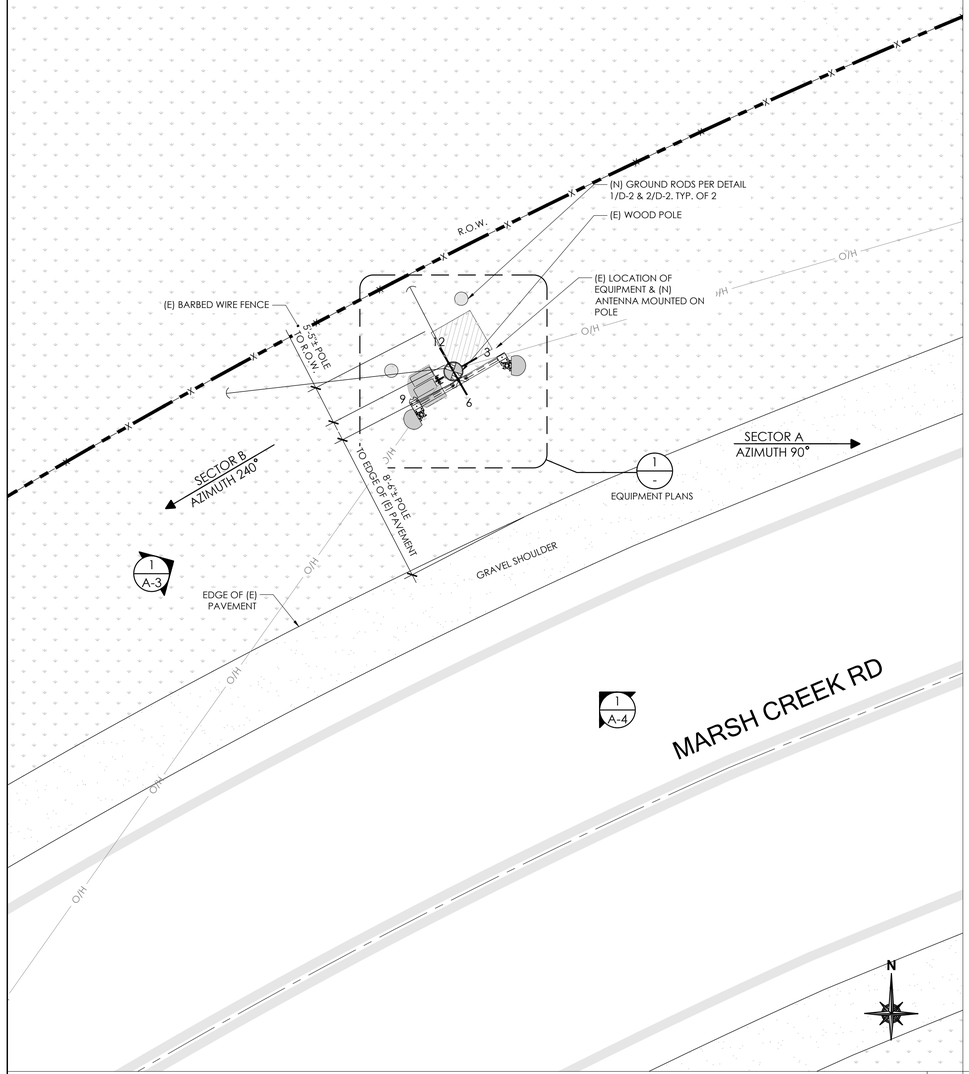
(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

SITE PLAN

A-2

MARSH CREEK RD
CLAYTON, CA
95306

APN:
078-140-010

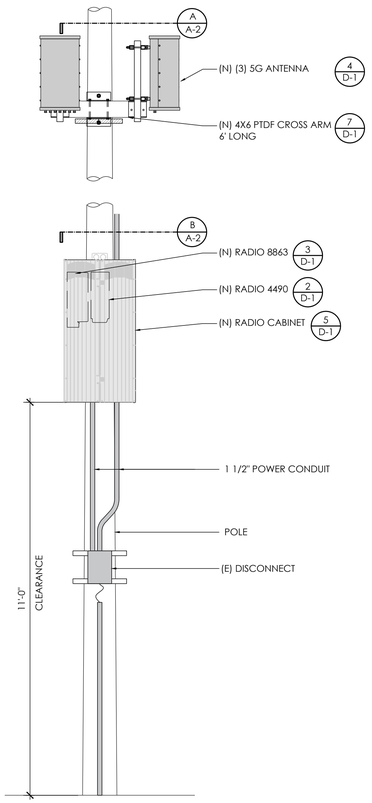


ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"
4' 3' 2' 1' 0" 4'

3

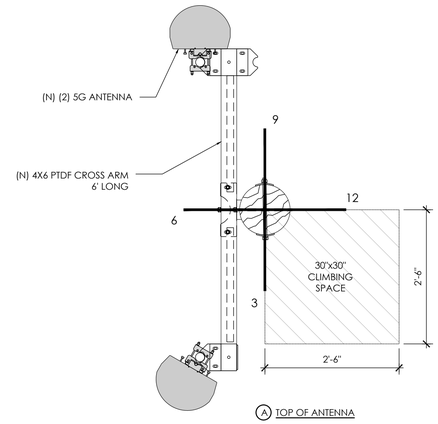
NOTES:
1. ALL EQUIPMENT SHALL BE PLACED (VERTICALLY) AS CLOSE AS ALLOWED BY POLE OWNER, WHILE MAINTAINING MINIMUM CLEARANCE REQUIREMENTS.
2. MAINTAIN 4" OFFSET BETWEEN THE MOUNTING BRACKET FLANGE AND THE POLE
3. ALL ANTENNAS, BRACKETS, CABLING, AND OTHER EQUIPMENT WILL BE PAINTED NON-GLOSSY SABLE BY SHERWIN WILLIAMS (OR EQUIVALENT)
4. SWEEP CONDUIT RUNS AROUND (E) CROSS ARMS WHERE THEY OCCUR, SEE DETAIL 6/D-2
5. CABLING TO BE INSTALLED IN A TIGHT NEAT MANNER WITHOUT EXCESS CABLE LOOPS



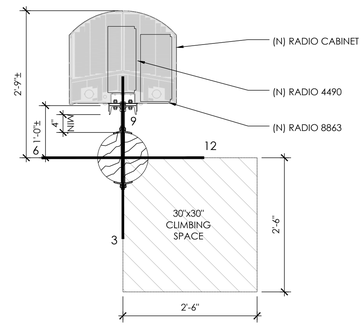
(N) ELEVATION

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2



A TOP OF ANTENNA



B TOP OF ANTENNA

(N) EQUIPMENT PLANS

24"x36" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"
1' 6" 0" 1'

1

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

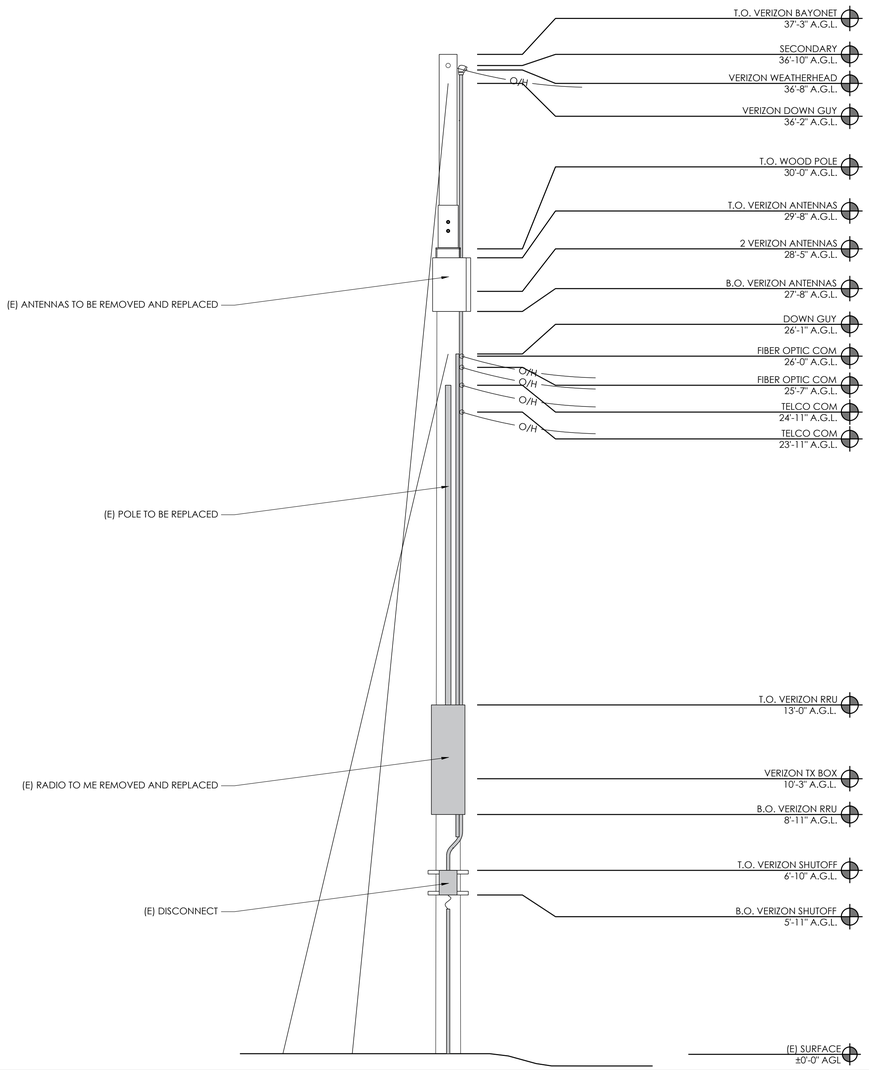
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER A. HAIER
No. 65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

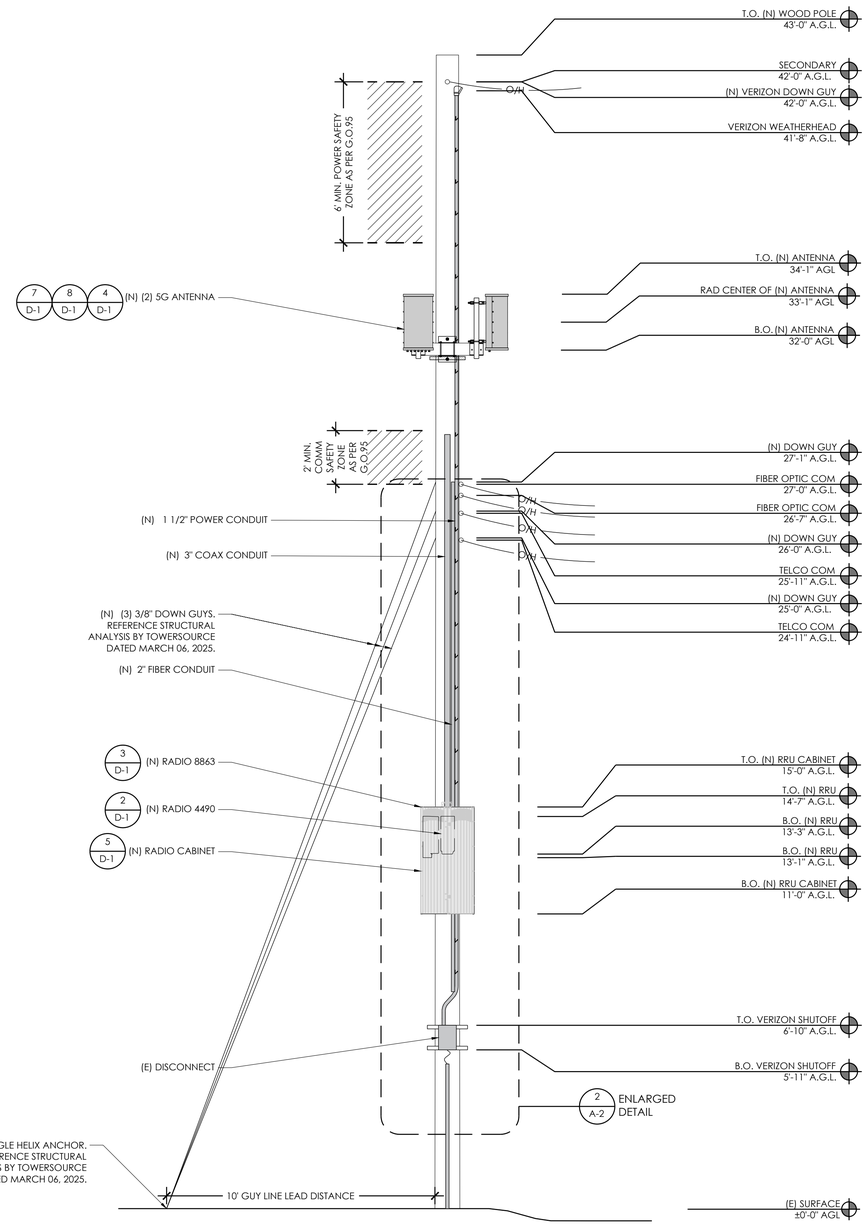
ENLARGED SITE PLAN & PROPOSED ELEVATION / EQUIPMENT PLANS

A-3



EXISTING SIDE ELEVATION

2



NEW SIDE ELEVATION

1

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

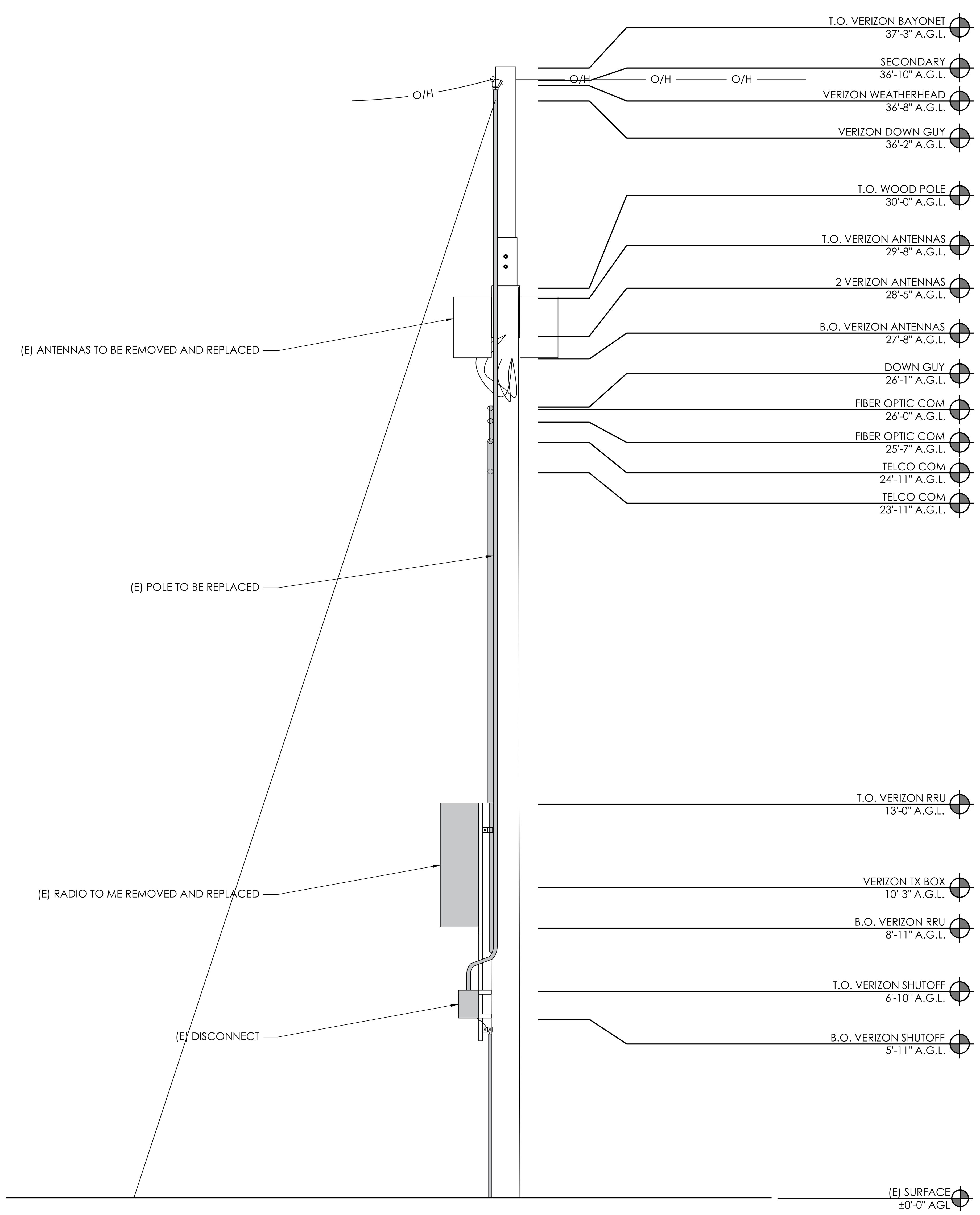
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER P. CLARK
No. 65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

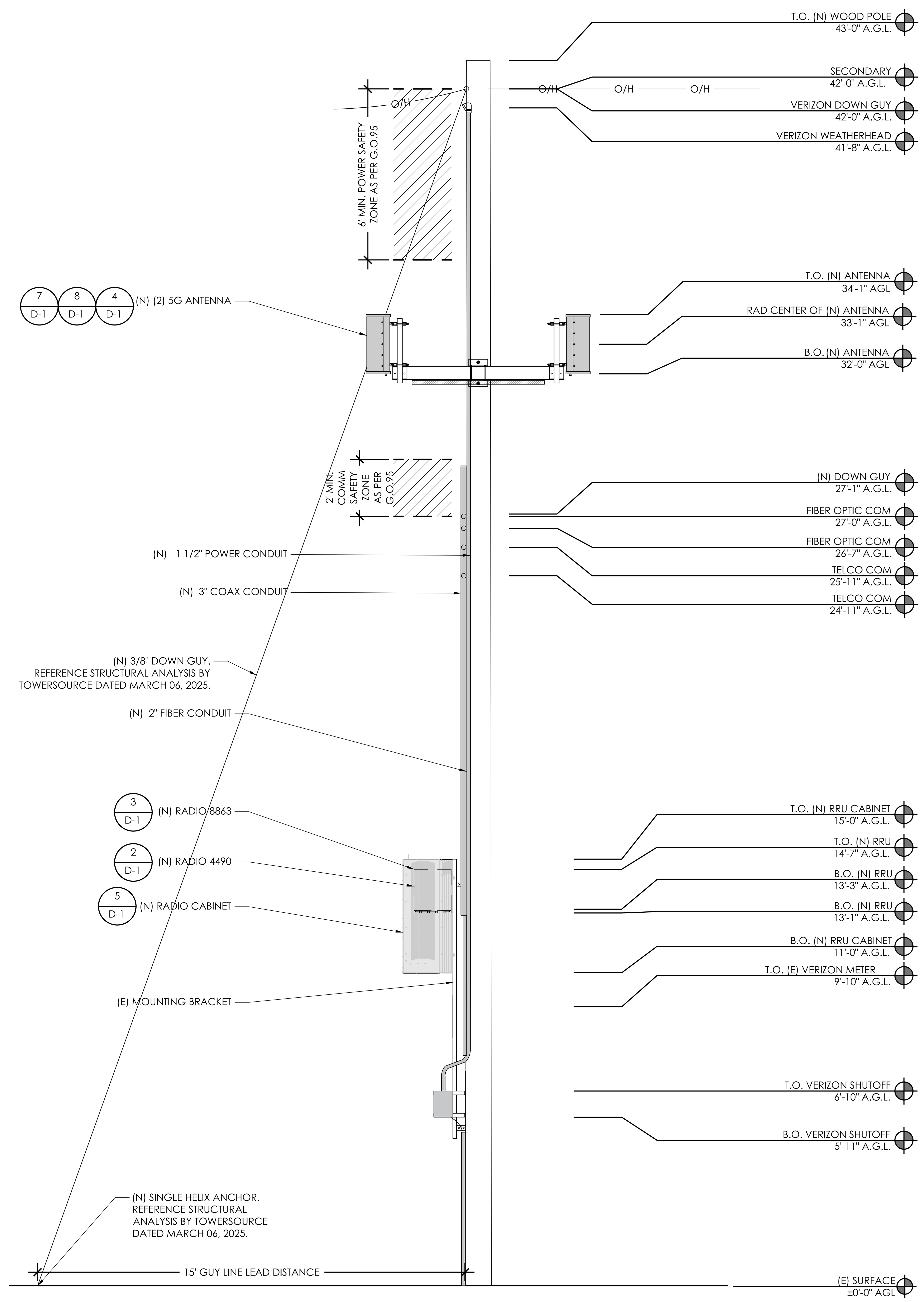
(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

ELEVATIONS

A-4



EXISTING FRONT ELEVATION 2



NEW FRONT ELEVATION 1

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

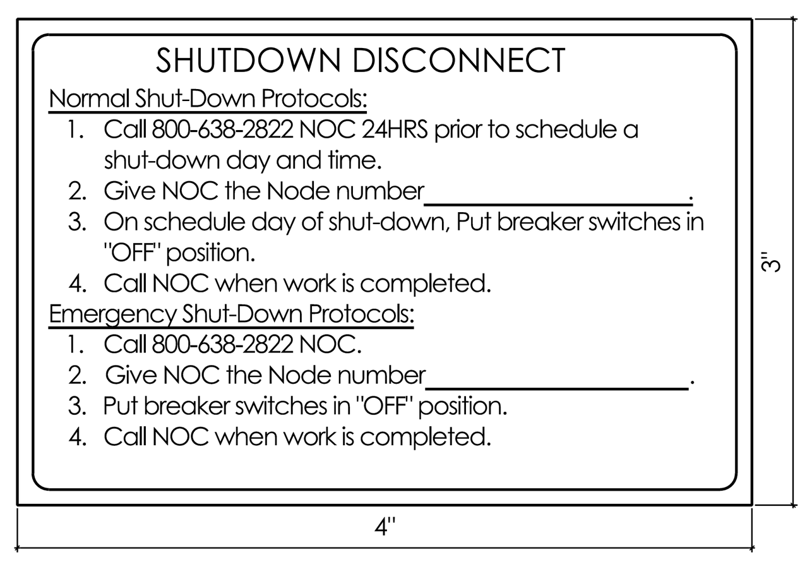
REGISTERED PROFESSIONAL ENGINEER
No. 85117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

ELEVATIONS

A-5



NOTES:

1. SIGN PROVIDED BY GC MOUNTED TO OUTSIDE OF DISCONNECT COVER
2. CONTRACTOR TO NOTE MARKET ID, SITE ID, SITE NAME

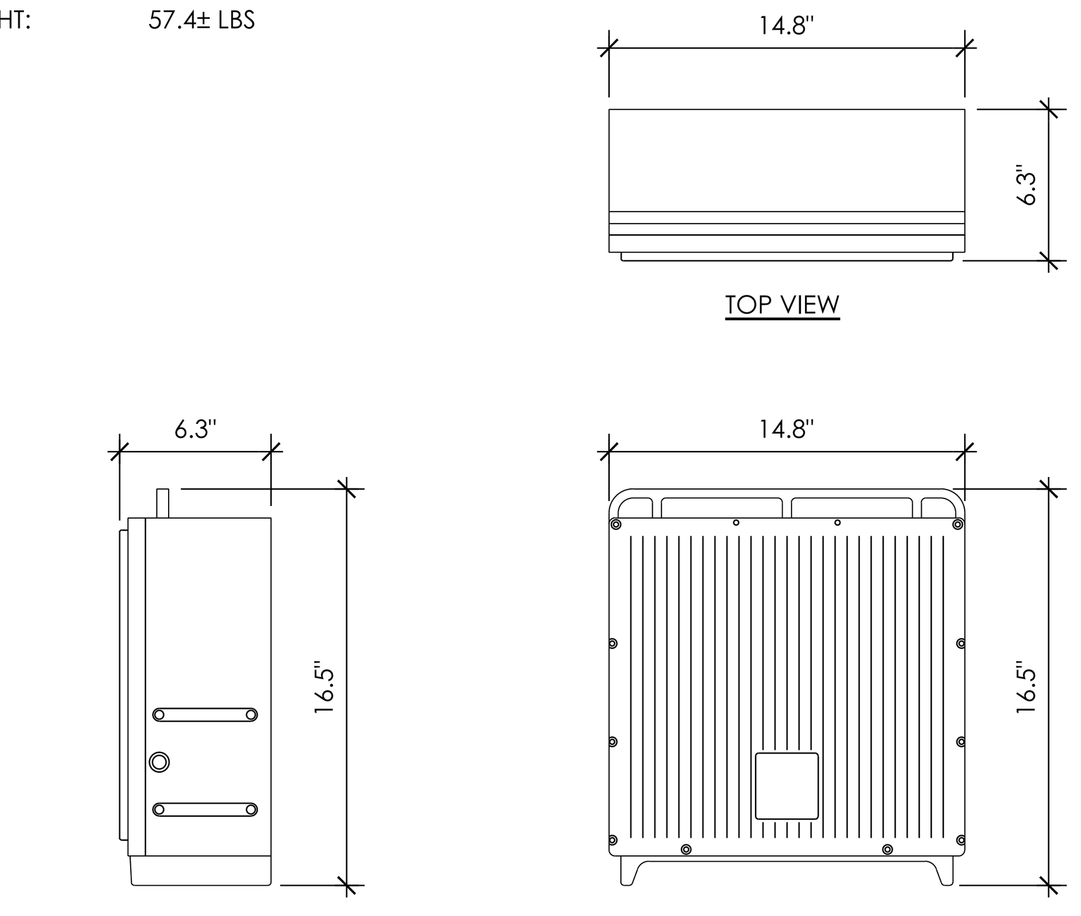
SHUTDOWN SIGNAGE — SCALE NTS — 12

NOT USED — SCALE NTS — 9

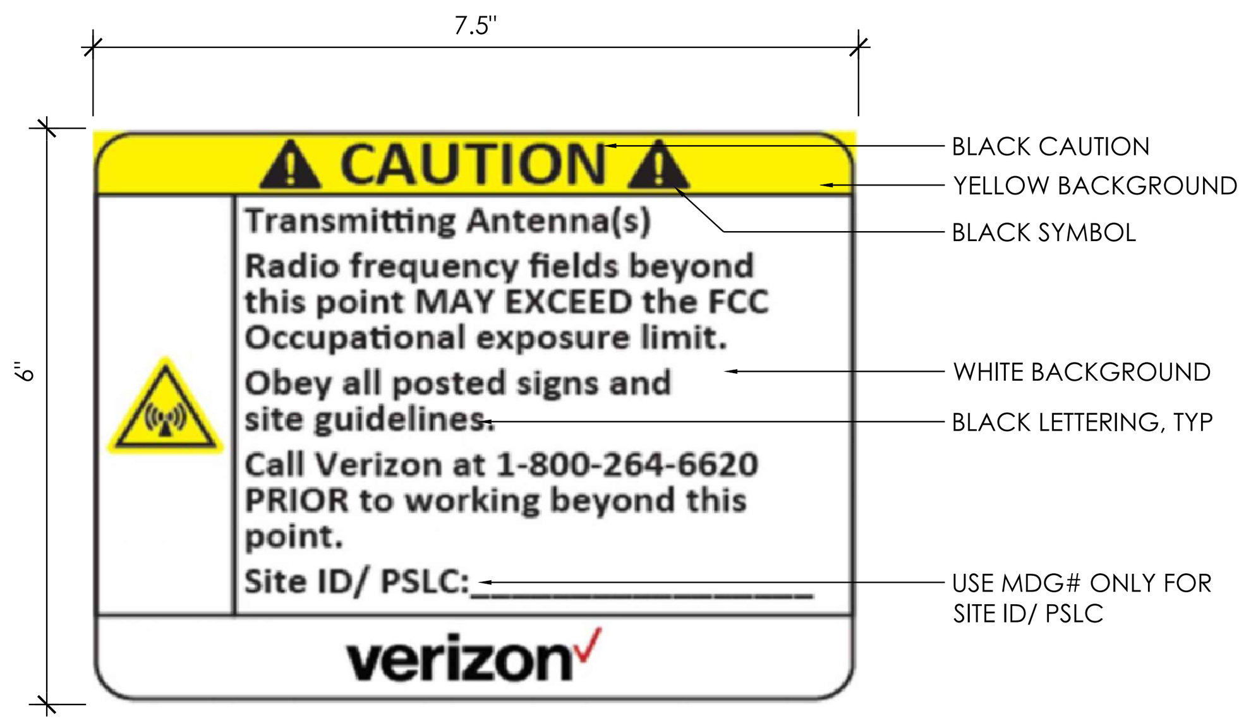
NOT USED — SCALE NTS — 6

RADIO 8863 (OR APPROVED EQUAL)

COLOR:	GRAY
DIMENSIONS:	16.5" TALL x 14.8" WIDE x 6.3" DEEP
WEIGHT:	57.4± LBS



RADIO 8863 — SCALE NTS — 3



NOTES:

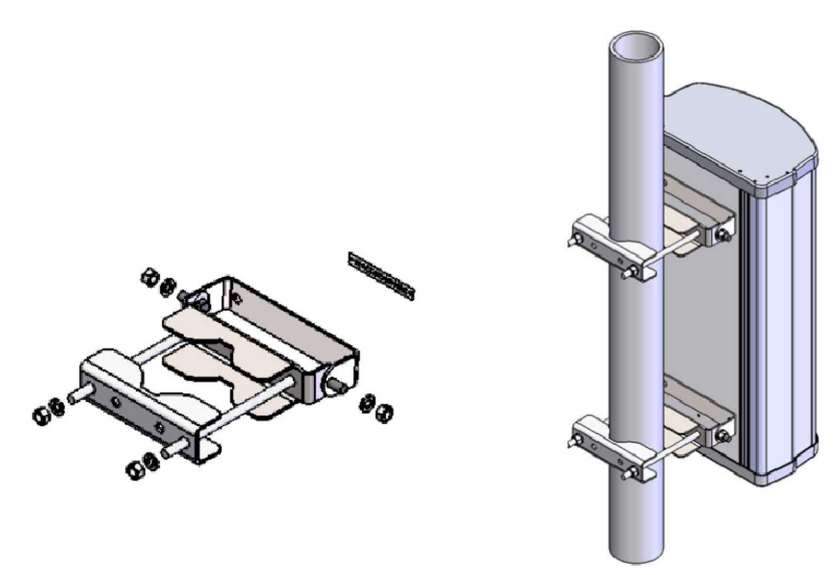
ALUMINUM SUBSTRATE SIGNS PRINTED WITH UV RESISTANT ECO-SOLVENT INK, REINFORCED WITH UV, CHEMICAL, ABRASION, AND MOISTURE RESISTANT LAMINATE LAYER.

SUBSTRATE:	0.040" ALUMINUM, WHITE ENAMEL COATED BOTH SIDES
PRINTING LAYER:	4.0 MIL VINYL WITH PERMANENT ACRYLIC ADHESIVE UV STABLE ECO-SOLVENT INK
LAMINATE:	2.5 MIL. PVC FILM (OPTICALLY CLEAR) SCRATCH RESISTANT CHEMICAL RESISTANT UV RESISTANT
MOUNTING:	0.20" DIAMETER HOLES IN EACH OF 4 CORNER; OFFSET 025" FROM ADJACENT EDGE.

G.O. 95 RF SIGNAGE — SCALE NTS — 11

MKS09P01

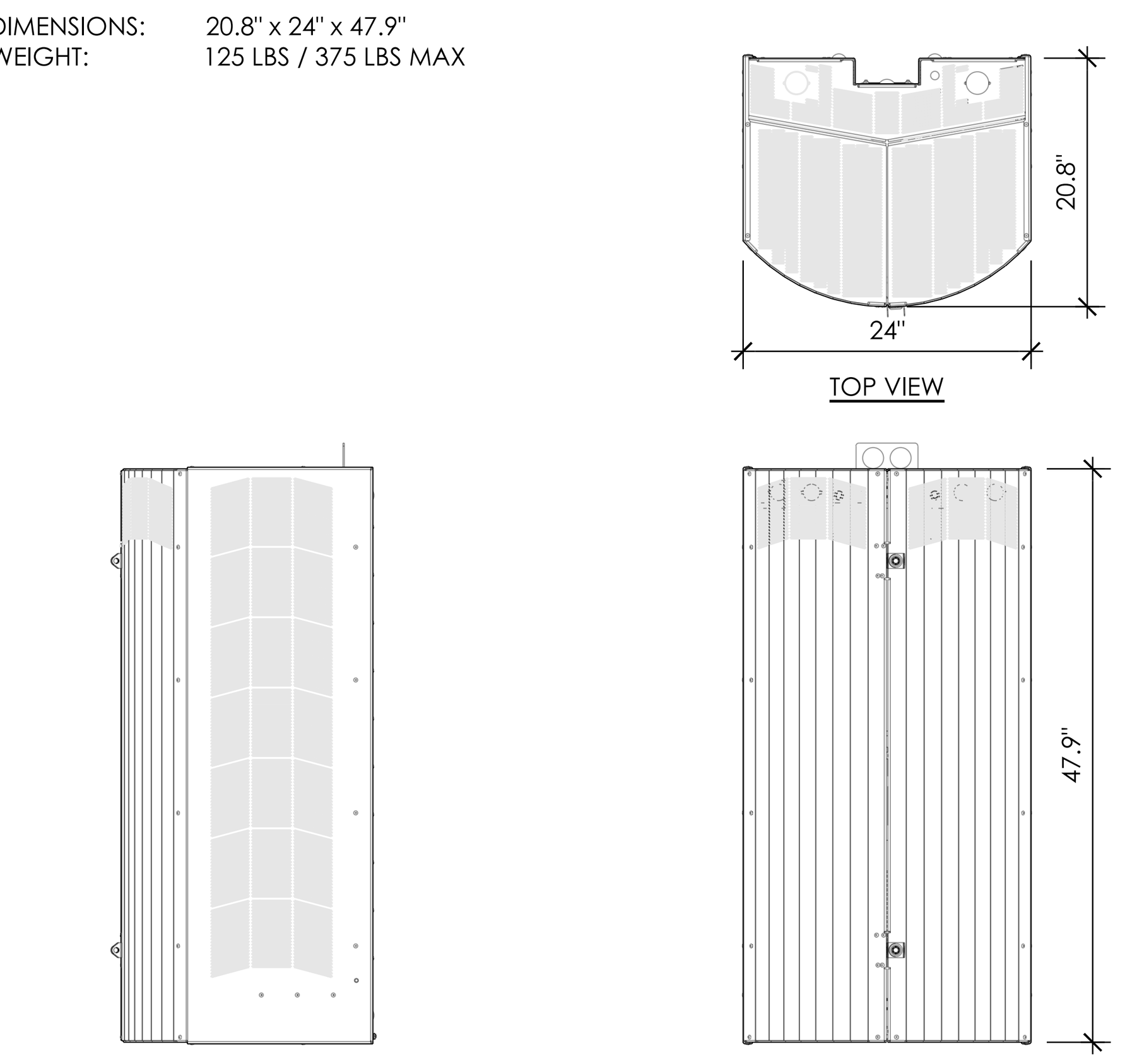
DESCRIPTION:	2-POINT MOUNTING BRACKET KIT
FITS PIPE DIAMETER:	50-115 mm (2.0-4.5 in)
WEIGHT:	6 LBS.



ANTENNA MOUNTING BRACKET — 8

SHROUD CHARLES - SH60-482420

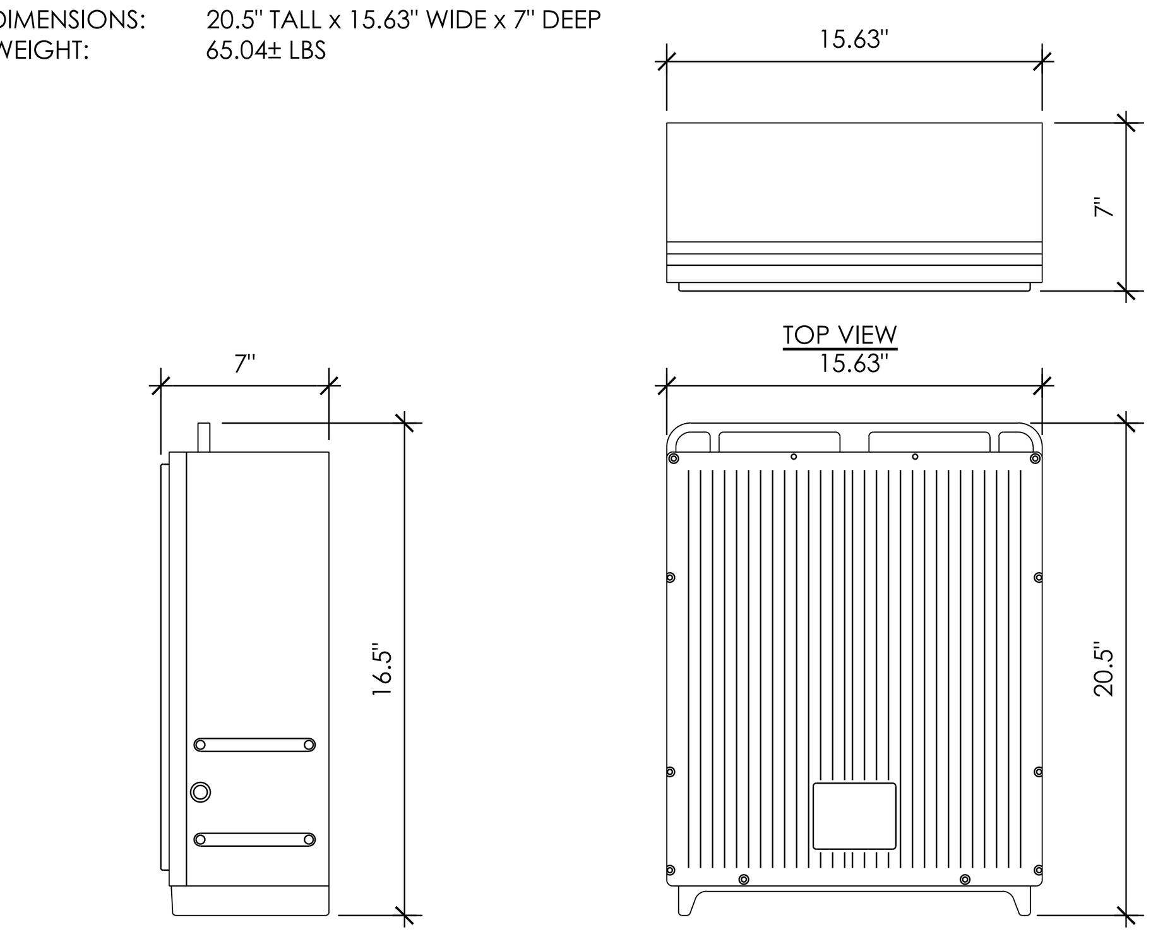
DIMENSIONS:	20.8" x 24" x 47.9"
WEIGHT:	125 LBS / 375 LBS MAX



RADIO CABINET — SCALE NTS — 5

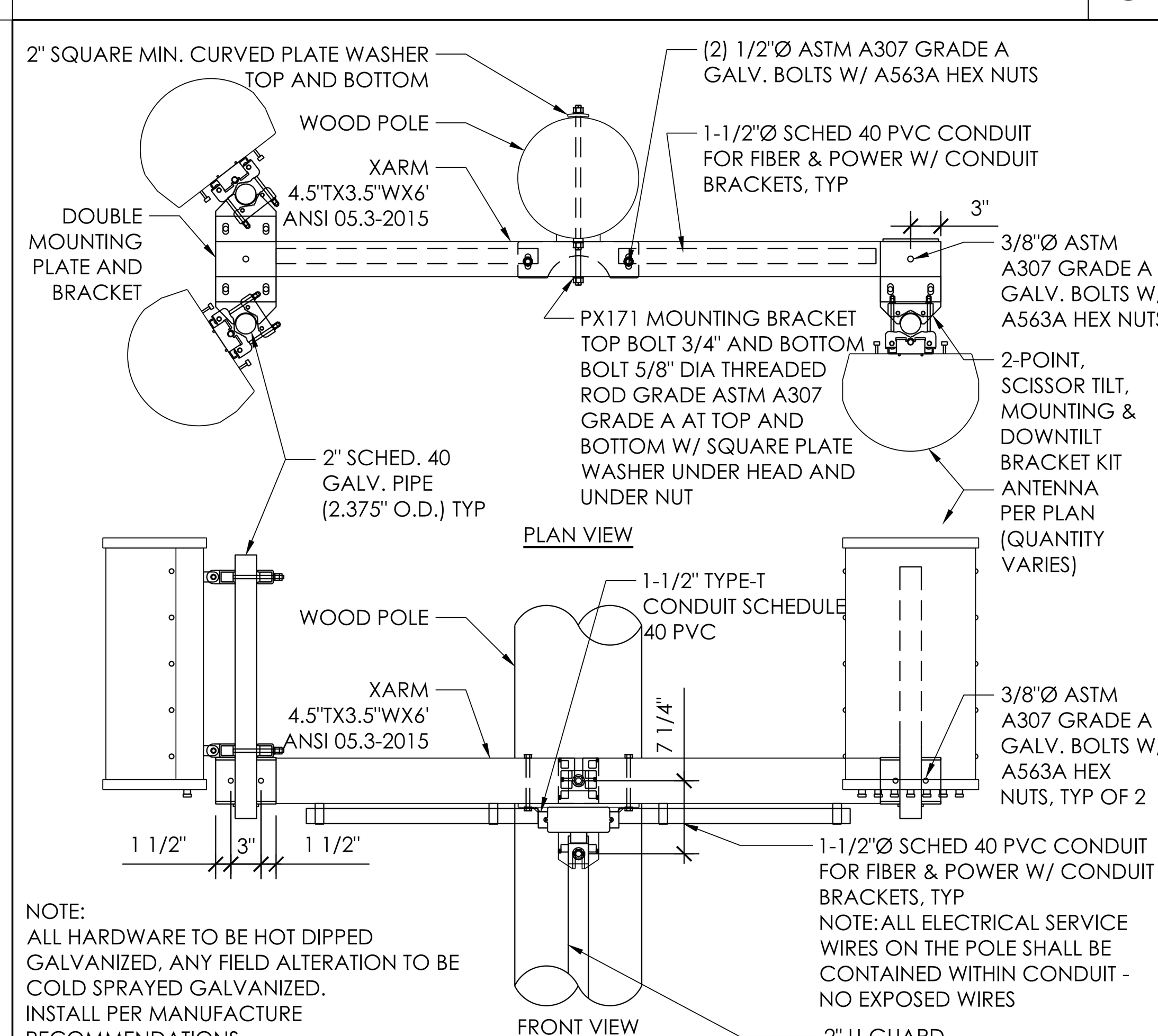
RADIO 4490 (OR APPROVED EQUAL)

COLOR:	GRAY
DIMENSIONS:	20.5" TALL x 15.63" WIDE x 7" DEEP
WEIGHT:	65.04± LBS



RADIO 4490 — SCALE NTS — 2

NOT USED — SCALE NTS — 10

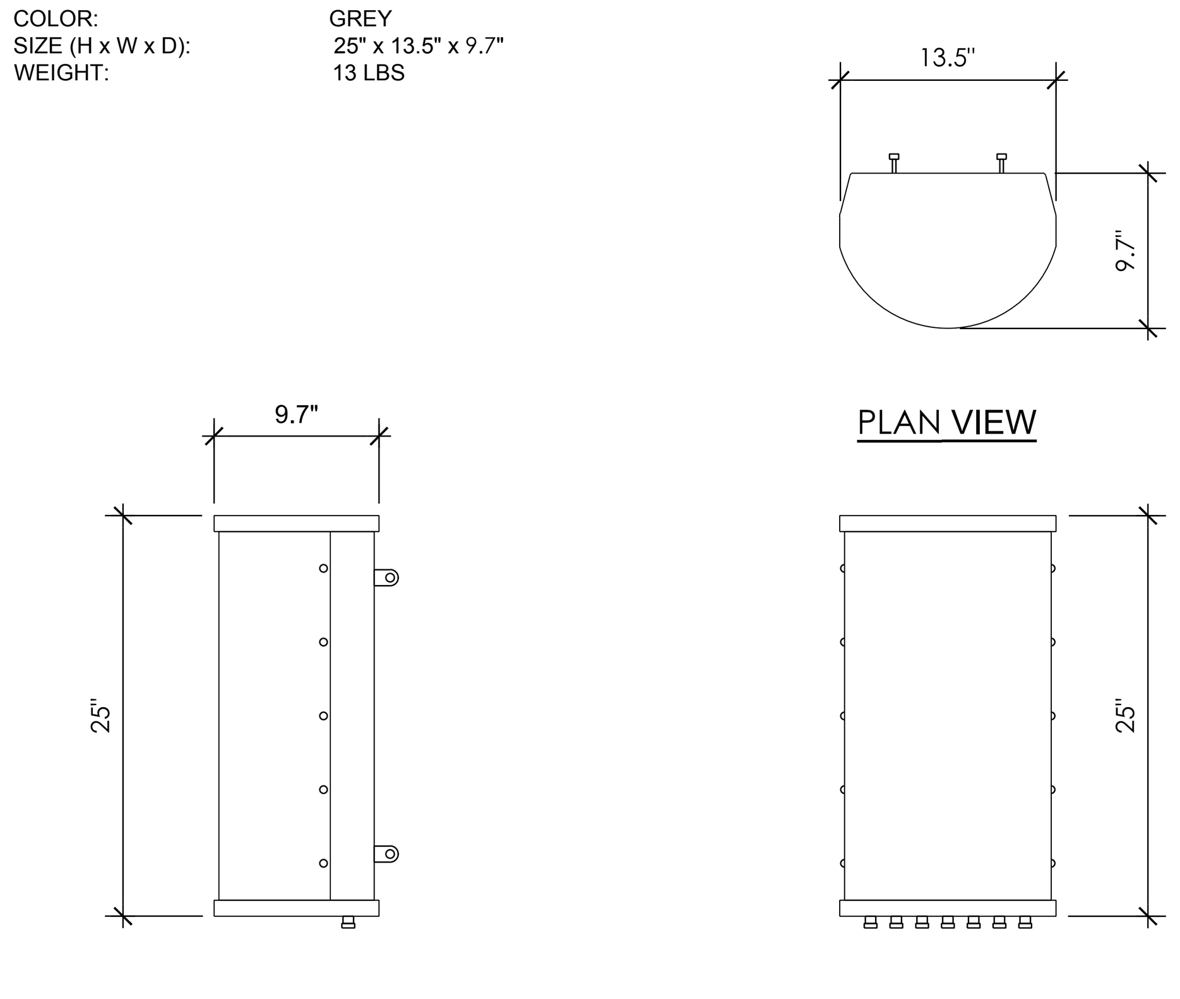


NOTE:
ALL HARDWARE TO BE HOT DIPPED GALVANIZED, ANY FIELD ALTERATION TO BE COLD SPRAYED GALVANIZED.
INSTALL PER MANUFACTURE RECOMMENDATIONS.

SIDE MOUNT ANTENNA BRACKET — 7

AMPHENOL - 2C4U4VX065X06Fwxys4 (OR APPROVED EQUAL)

COLOR:	GREY
SIZE (H x W x D):	25" x 13.5" x 9.7"
WEIGHT:	13 LBS



5G ANTENNA — 4

NOT USED — 1

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

REGISTERED PROFESSIONAL ENGINEER — No. 65117 — Exp. 09/30/25 — CIVIL — STATE OF CALIFORNIA

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

DETAILS

D-1

ELECTRICAL NOTES

1. GENERAL REQUIREMENTS

A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT

B. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.

C. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR SUCCESSFUL OPERATION OF ALL SYSTEMS.

D. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND LABOR.

E. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION. DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.

F. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT.

G. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.

H. "PROVIDE" INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.

I. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

2. EQUIPMENT LOCATION

A. ALL DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.

B. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

C. COORDINATE THE WORK OF THE SECTION WITH THAT OF ALL OTHER TRADES. WHERE CONFLICTS OCCUR, CONSULT WITH THE PERSPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY. OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

3. TESTS

A. BEFORE FINAL ACCEPTANCE OF WORK, THE CONTRACTOR SHALL INSURE THAT ALL EQUIPMENT, SYSTEMS, FIXTURES, ETC., ARE WORKING SATISFACTORILY AND TO THE INTENT OF THE DRAWINGS.

4. PERMITS

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING OUT AND PAYING FOR ALL THE REQUIRED PERMITS, INSPECTION AND EXAMINATION WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

5. GROUNDING

A. THE CONTRACTOR SHALL PROVIDE A COMPLETE, AND APPROVED GROUNDING SYSTEM INCLUDING ELECTRODES, ELECTRODE CONDUCTOR, BONDING CONDUCTORS, AND EQUIPMENT CONDUCTORS AS REQUIRED BY ARTICLE 250 OF NATIONAL ELECTRICAL CODE.

B. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.

C. FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.

D. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.

E. ALL GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2 UNLESS NOTED OTHERWISE.

F. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED, THHN (GREEN) INSULATION.

G. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.

H. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.

I. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO ATT ONCE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

6. UTILITY SERVICE

A. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.

B. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES.

7. PRODUCTS

A. ALL MATERIALS SHALL BE NEW, CONFORMING WITH THE NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.

B. CONDUIT:

B.1. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.

B.2. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

B.3. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.

B.4. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.

B.5. ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.

C. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.

D. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.

E. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT +48" ABOVE FINISHED FLOOR.

F. PANELBOARD SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK-MAKE QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANELBOARD AT 6'-3" ABOVE FINISHED FLOOR. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY.

G. ALL CIRCUIT BREAKERS, MAGNETIC STARTERS AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.

H. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.

I. CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED 40 OR 80), INDOOR: EMT (RGS IN TRAFFIC AREAS, OUTDOOR (ABOVE GRADE): RGS.

J. PLACE "TRUE TAPE" AND PULL ROPE IN THE CONDUITS AS REQUIRED.

8. INSTALLATION

A. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

9. PROJECT CLOSEOUT

A. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.

B. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.

GENERAL ABBREVIATIONS

A	AMPERE
ACCA	ANTENNA CABLE COVER ASSEMBLY
AIC	AMPERE INTERRUPTING CAPACITY
APPROX	APPROXIMATELY
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAGE
BATT	BATTERY
BD	BOARD
BR	BRANCH
BRKR	BREAKER
BTCW	BARE TINNED COPPER WIRE
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CONT	CONTINUOUS
DEM	DEMAND
(E)	EXISTING
EGR	EMERGENCY GEN. RECEPTACLE
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EXIST	EXISTING
FAC	FACTOR
F/A	FIRE ALARM
FLUOR	FLUORESCENT
FT	FOOT/FEET
FU	FUSE
G	GROUND
GND	GROUNDING
GPS	GLOBAL POSITIONING SYSTEM
HDBC	HARD DRAWN COPPER WIRE
HPS	HIGH PRESSURE SODIUM
LG	LENGTH
LPS	LOW PRESSURE SODIUM
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
(N)	NEW
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
OH	OVERHEAD
P	POLE
PH	PHASE
PNLBD	PANELBOARD
PRI	PRIMARY
PWR	POWER
RCPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SAF	SAFETY
SDBC	SOFT DRAWN BARE COPPER
SEC	SECONDARY
S.N.	SOLID NEUTRAL
SURF	SURFACE
SW	SWITCH
TEL	TELEPHONE
TYP	TYPICAL
U/G	UNDERGROUND
U.L.	UNDERWRITER'S LABORATORY INC.
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VAC	VOLT ALTERNATING CURRENT
W	WATT OR WIRE
W/	WITH
W/O	WITHOUT
XFER	TRANSFER
XFMR	TRANSFORMER
XLPE	CROSS-LINK POLYETHYLENE

ELECTRICAL LEGEND

——OHT/OHP——	OVERHEAD COMM/OVERHEAD POWER
—— E ——	POWER RUN
—— T ——	TELCO RUN
—— E/T ——	POWER/TELCO RUN
—— G ——	GROUND LINE
	FUSE, SIZE AND TYPE AS INDICATED.
	LIGHTING FIXTURE
	5/8" X 10'-0" ,CU. GND ROD 24" MIN. BELOW GRADE.
	MECHANICAL CONNECTION
	CIRCUIT BREAKER

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VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

1355 WINDWARD CONCOURSE,
SUITES 410
ALPHARETTA, GA
30005

DRAWN BY:	JLV
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	01/28/25	90% CD
0	02/27/25	100% CD
1	06/30/25	REDESIGN

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. WEBER
No. 65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

ELECTRICAL GENERAL NOTES

E-1

NOTES:
1. GROUND ROD: UL LISTED COPPER CLAD STEEL. MINIMUM 5/8" DIAMETER x 10'-0" LONG. ALL GROUND RODS MAY BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND CONDUCTOR.

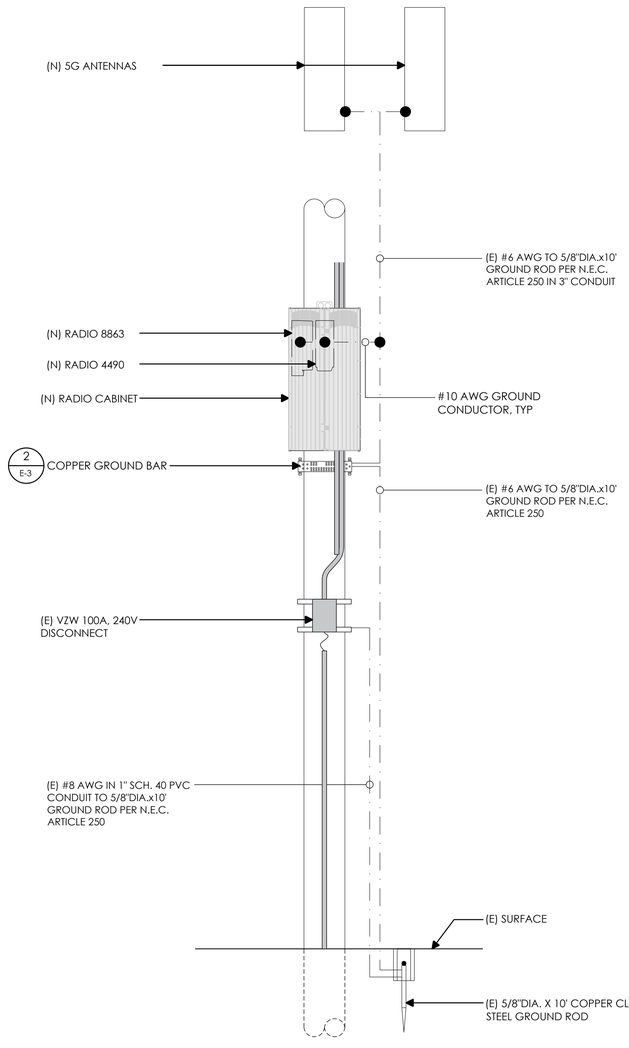
2. CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH STRANDED GREEN INSULATED COPPER CONDUCTORS SIZED AS SHOWN. BOND TO GROUND ROD AS SHOWN IN THE GROUNDING SCHEMATIC.

3. EXTERIOR UNIT BONDS: METALLIC OBJECTS SHALL BE BONDED TO THE EXTERIOR GROUND ROD.

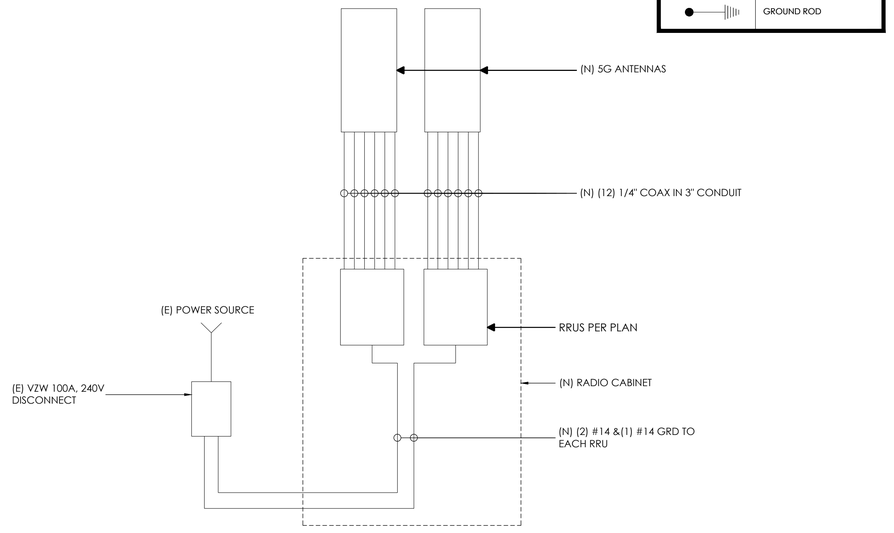
4. PROVIDE ALL ELECTRICAL WORK & MATERIALS AS SHOWN ON THE DWGS, AS CALLED FOR HEREIN, & AS IS NECESSARY TO FURNISH A COMPLETE INSTALLATION.

5. OUTDOOR EQUIPMENT SHALL BE RATED NEMA 3R AND/OR UL LISTED FOR WET ENVIRONMENT.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE GROUNDING SYSTEM AND ENSURING A 5 OHM OR LESS GROUNDING PATH. ADDITIONAL GROUND RODS AND/OR CHEMICAL ROD SYSTEM SHALL BE USED TO ACHIEVE THIS REQUIREMENT IF THE GIVEN DESIGN CANNOT BE MADE TO ACHIEVE THIS REQUIREMENT.



GROUNDING SCHEMATIC | 2



ONE-LINE DIAGRAM | 1

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2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

NextEdge

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ONE-LINE DIAGRAM &
GROUNDING SCHEMATIC

E-2

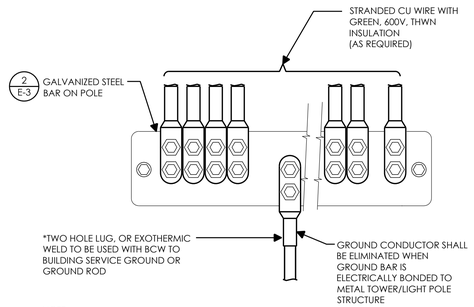
NOT USED 12

NOT USED 9

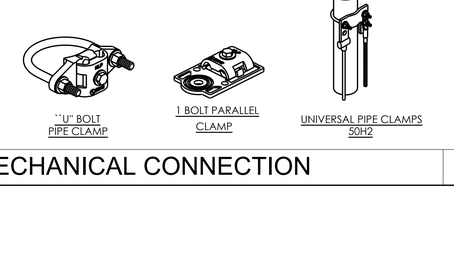
LOAD CALULATIONS 6

Electrical Load Calculations @ 240V			
Radio	**Wattage**	**1.25*VA**	**Amps**
4490	480	600.0	2.5
8863	1109	1386.3	5.8
		0.0	0.0
		0.0	0.0
		0.0	0.0
Totals		1986.3	8.3
Disconnect / Meter: 100 Amps			
Total Load: 8.3%			

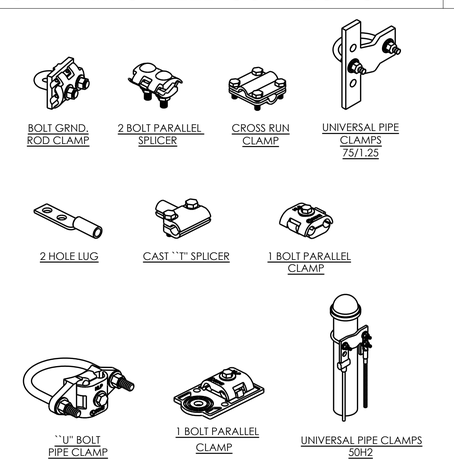
GROUND WIRE TO BAR 3



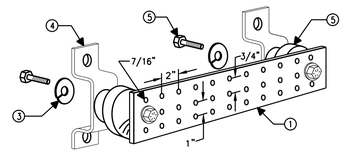
NOTE:
GROUND BARS AT BOTTOM OF TOWERS/LIGHT POLES SHALL ONLY USE EXOTHERMIC WELDS.



EXOTHERMIC WELD CONNECTION 5



GROUND BAR 2



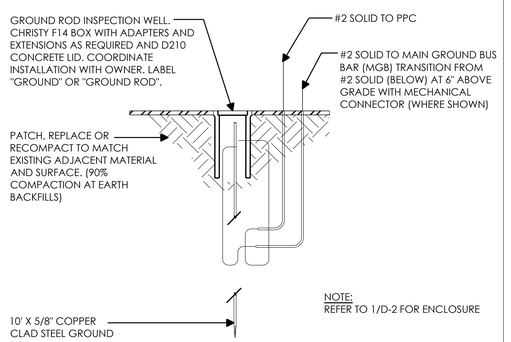
NOTES:

1. COPPER GROUND BAR, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR APPROVED EQUAL
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO., CAT. NO. 3015-8 OR APPROVED EQUAL
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO., CAT NO. A-6056 OR APPROVED EQUAL
5. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO., CAT NO. 3012-1 OR APPROVED EQUAL
6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPINE STRUCTURE. CONNECTION TO TOWER/MONOPINE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
7. VALMONT TINMG212U-K (OR EQUIVALENT) 1/4"X2"X12"

NOT USED 7

MECHANICAL CONNECTION 4

GROUND TEST WELL 1



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VERIZON WIRELESS
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94598

NextEdge

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No.65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

ELECTRICAL DETAILS

E-3

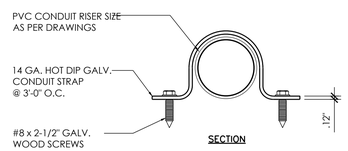
NOT USED | 9

NOT USED | 11

NOT USED | 10

NOT USED | 8

NOT USED | 7



CONDUIT BRACKET | 6

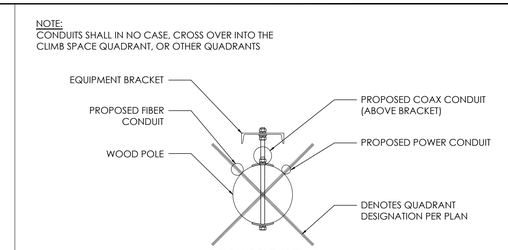
SINGLE CONDUIT STANDOFF

*OR EQUAL

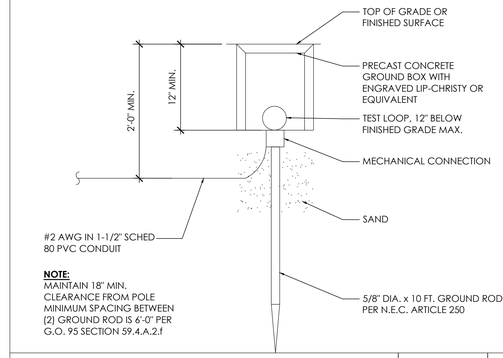
TRIPLE CONDUIT STANDOFF

SIDE MOUNT ANTENNA BRACKET | 5

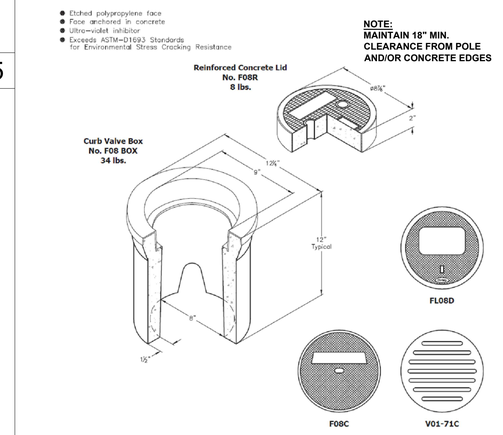
RISER STANDOFF BRACKETS | 4



TYP CROSS ARM OBSTRUCTION | 3



GROUND ROD | SCALE NTS | 2



A high density reinforced concrete box with non-settling shoulders positioned to maintain grade and facilitate back filling. Approximate dimensions and weight shown.

Oldcastle Ordering Code	Item	Approx. Shipping Weight	Description
F08BOX	BOX	34 lbs.	F08 Curb Valve Box (8" I.D. x 12" High) – 48 per pallet
F08R	LID	8 lbs.	Reinforced Concrete Lid with Plastic Ring
F08C	LID	8 lbs.	Cast Iron Lid
FL08D	LID	2 lbs.	Fibrelyte Lid, Non-Concrete
V01-71C	LID	12 lbs.	Cast Iron Grate ADA Compliant

GROUND ROD ENCLOSURE | SCALE NTS | 1

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CHRISTOPHER R. WEAVER
No.65117
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

(ADJ. TO) 14101 MARSH CREEK RD
CLAYTON, CA 94517

DETAILS

D-2

PEDESTRIANS SHALL BE ESCORTED THROUGH OR AROUND THE WORK AREA, PER CAMUTCD TA-28 OR TA-29 AS APPLICABLE, THROUGHOUT THE COURSE OF WORK.

SJ MUTCD TABLE					
POSTED SPEED (MPH)	DISTANCE BETWEEN SIGNS			TAPER	BUFFER
	A	B	C	L (SEE NOTE)	
15	200'	200'	200'	45'	55'
20	200'	200'	200'	80'	55'
25	200'	200'	200'	125'	55'
30	350'	350'	350'	180'	85'
35	350'	350'	350'	245'	120'
40	350'	350'	350'	320'	220'
45	350'	350'	350'	540'	360'
50	500'	500'	500'	600'	425'
55	500'	500'	500'	660'	495'
60	500'	500'	500'	720'	570'
65	500'	500'	500'	780'	645'

NOTES:
A. DISTANCE IN FEET UNLESS OTHERWISE NOTED.
B. CONTRACTOR TO VERIFY EXISTING SPEED LIMIT.
C. DISTANCE SHOWN ARE NOT VALID FOR LIMITED ACCESS HIGHWAYS. CONSULT STATE DOT MANUAL FOR DISTANCES.
D. ADJUST DISTANCES TO COMPLY WITH REQUIREMENT OF THE STATE OR LOCAL HIGHWAY AUTHORITY HAVING JURISDICTION.
E. TAPER LENGTHS SHOWN ON 12' LANE WIDTH.

TRAFFIC CONTROL TABLE | 2

SPEED LIMIT = 50 MPH

TRAFFIC CONTROL NOTES

1. ALL DELINEATORS SHALL BE EQUIPPED WITH REFLECTORS AT NIGHT TIME.

2. ALL TRAFFIC CONTROL DEVICES, STRIPES, MARKINGS, LEGENDS AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING: A) CA MUTCD, B) STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS.

3. THE CONTRACTOR PERFORMING THE WORK ON A PUBLIC STREET SHALL ASSUME RESPONSIBILITY AS FOLLOWS: A) INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, B) ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT MAY BE REQUIRED TO INSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK AREA, AND C) PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.

4. THE CITY OR COUNTY OF RECORD AS WELL AS CALTRANS RESERVE THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE. THEY HAVE THE AUTHORITY TO MAKE ANY NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERSEDE THESE PLANS. THE EXACT LOCATION OF ALL EQUIPMENT AND TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.

5. ALL SIGNS, DELINEATORS, BARRICADES, ETC. AND THEIR INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF THE: A) CA. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, B) THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS.

6. IN ORDER TO PRESERVE THEIR APPEARANCE AND CONTINUITY, ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY, AND AS DIRECTED BY THE ENGINEER

7. ALL TRAFFIC LANES SHALL HAVE A MINIMUM OF 5 FEET CLEARANCE FROM OPEN EXCAVATIONS AND MINIMUM OF 2 FEET FROM VERTICAL OBSTRUCTIONS.

8. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY THE ENGINEER, COUNTY INSPECTOR, OR CALTRANS PERMIT INSPECTOR.

9. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.

10. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT ALL TIMES DURING ANY WORK ON SITE.

11. PLACE ADDITIONAL SIGNS AS FOLLOWS: A) "LANE CLOSED", (C30) ON THE TYPE II BARRICADES AT 100 FOOT INTERVALS THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED AND B) "OPEN TRENCH" (C27) WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY.

12. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON COMPLETION OF WORK.

13. THE CONTRACTOR SHALL REPLACE AND/OR REPAIR ALL DAMAGED STRIPING AT THE END OF EACH WORKING DAY.

14. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABILITY ACT AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. ANY SIDEWALK CLOSURE AND/OR DETOUR SHALL COMPLY WITH THE WATCH STANDARDS AND MUST OBTAIN APPROVAL FROM THE CITY OR COUNTY OF RECORD.

15. THE CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.

16. THE CONTRACTOR SHALL POST "SYMBOLS" UNEVEN LANES, "STEEL PLATES AHEAD" OR "BUMP" SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF $\frac{1}{2}$" OR GREATER. PAVEMENT DISRUPTIONS FOR 1" OR GREATER SHALL HAVE A BEVELED EDGE OF FOUR (4) HORIZONTAL TO ONE (1) VERTICAL.

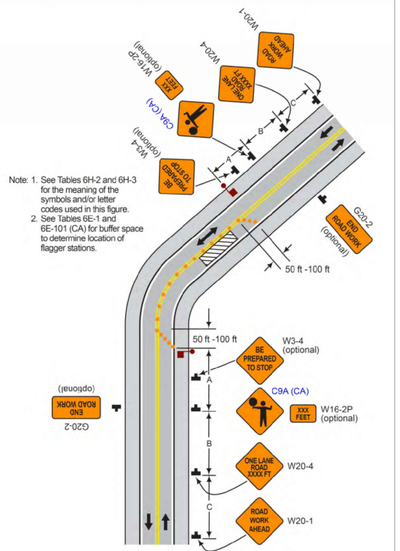
17. BEFORE PLATE BRIDGING, THE CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES ADHEAD" AND/OR "ROUGH ROAD SIGNS.

18. THE RESIDENTS AND BUSINESSES SHALL BE NOTIFIED OF THE DATES & TIMES OF CONSTRUCTION TWO (2) WEEKS PRIOR TO THE WORK START DATE.

TRAFFIC SYMBOL LEGEND

- TRAFFIC CONE (10' MAX SPACING)
- TRAFFIC SIGN
- LANE DIRECTION
- STAGING AREA
- FLAGGER

Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)



Typical Application 10

TA-10 FOR REFERENCE ONLY

N

TRAFFIC CONTROL PLAN

24"x36" SCALE: 1" = 50'-0"
11"x17" SCALE: 1" = 100'-0"
50' 25' 0" 50'

SCALE 1"=50'-0" | 1

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VERIZON WIRELESS
2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA
94598

PlannENG
4746 Clayton Rd,
Concord, CA, 94521
☎ (925) 408-2159
e-✉ splanneng@gmail.com
www.planneng.com

DRAWN BY:
CHECKED BY:
APPROVED BY:

REV	DATE	DESCRIPTION
0	14/04/23	100% CD

LICENSED PROFESSIONAL ENGINEER
MANOUCHEHR HAKHAMANESH
C 88083
EXP: 03/31/2026
CIVIL
STATE OF CALIFORNIA

MARSH CREEK RD SC1

14101 MARSH CREEK RD
CLAYTON, CA 94517

TRAFFIC CONTROL PLAN

TCP-1

PlannENG
4746 Clayton Rd,
Concord, CA, 94521
☎ (925) 408-2159
e-✉ splanneng@gmail.com
www.planneng.com

Date:							
Scale:	SEE DRAWING						
Designed:	TDL						
Drawn:	BBB						
Checked:							
Proj. Engr:		◇	REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE
File:							

PLAN
FOR THE IMPROVEMENT OF
MARSH CREEK RD SC1
14101 MARSH CREEK RD
CLAYTON, CA 94517
CLAYTON CALIFORNIA

PERMIT #
PROJECT #
PROJECT INSPECTOR:
VOICE MAIL:

PROJECT ENGINEER	DEPARTMENT OF TRANSPORTATION - OPS	
NAME DATE	N/A NAME DATE	
DEPARTMENT OF TRANSPORTATION	STREETLIGHT LAYOUT	
N/A NAME DATE	N/A NAME DATE	
MUNICIPAL WATER	ELECTRICAL CIRCUITS	
N/A NAME DATE	MARLON DE LEON DATE	

DEPARTMENT OF PUBLIC WORKS
CLAYTON, CALIFORNIA

APPROVED BY MATTHEW CANO
DIRECTOR OF PUBLIC WORKS
N/A

REV. DATE MAY 08, 2018