

SUNNYVALE 029

701 JACKPINE COURT
SUNNYVALE, CA 94086
STRUCTURE TYPE: PG&E UTILITY POLE
LOCATION CODE: 441006



Prepared For:

2785 MITCHELL DRIVE, SUITE 9
WALNUT CREEK, CA 94598

Engineer:

841 ARNOLD DRIVE, SUITE A
MARTINEZ, CA 94553
www.TheCBRGroup.com

Vendor:

Site Number: 441006
Site Name: SUNNYVALE 029
Site Address: 701 JACKPINE COURT
SUNNYVALE, CA 94086
County: SANTA CLARA COUNTY

Issued For:

CONSTRUCTION			
REV	DATE	DESCRIPTION	BY
B	11/13/18	100% CDS FOR REVIEW	JG
A	08/09/18	90% CDS FOR REVIEW	WM

Licenser:

IF A REGISTRATION OF LADY FOR ANY PERSON (LICENSEE) THEY ARE ALL TO BE UNDER THE REGULATION OF A LICENSED PROFESSIONAL ENGINEER TO THE STATE OF CALIFORNIA.

Sheet Title:
TITLE SHEET

Sheet Number:
T-1

PROJECT DESCRIPTION

THIS IS AN UNMANNED WIRELESS TELECOMMUNICATION FACILITY FOR VERIZON WIRELESS SYSTEMS CONSISTING OF THE INSTALLATION AND OPERATION OF AN ANTENNA AND ASSOCIATED EQUIPMENT. SCOPE OF WORK CONSISTS OF THE FOLLOWING:

- INSTALL (1) (N) CANISTER ANTENNA MOUNTED ON (N) REPLACEMENT POLE; TRIM 2" OFF THE TOP OF POLE, (45°-0" ABOVE GROUND LEVEL, 8'-0" UNDERGROUND EMBEDMENT).
- INSTALL (1) (N) HIGH POWERED CAGE ON (N) REPLACEMENT POLE.
- INSTALL (2) (N) RRU UNIT INSIDE (N) HIGH POWERED CAGE.
- INSTALL (1) (N) DISCONNECT SWITCH ON (N) REPLACEMENT POLE.
- INSTALL (1) (N) ELECTRICAL METER ON (N) REPLACEMENT POLE.
- INSTALL (N) FCC SIGNAGE ON (N) REPLACEMENT POLE.
- INSTALL (N) GROUND RODS AND BUSS BAR.
- INSTALL (3) (N) CONDUITS FOR POWER, TELCO AND COAX.
- TREE TRIMMING REQUIRED.

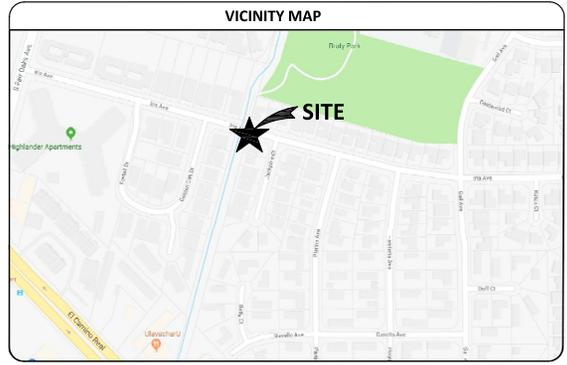
SHEET INDEX

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PROJECT TEAM

APPLICANT/LESSEE:
VERIZON WIRELESS
2785 MITCHELL DRIVE, BLDG 9
WALNUT CREEK, CA 94598

APPLICANT/ENGINEER:
THE CBR GROUP
841 ARNOLD DRIVE, SUITE A
MARTINEZ, CA 94553
PH: (925) 246-3212
EMAIL: projects@thecbrgroup.com



RF EMISSIONS NOTES

PRIOR TO FINAL BUILDING PERMIT, A CERTIFICATION MUST BE PROVIDED THAT THE PROPOSED FACILITY WILL AT ALL TIMES COMPLY WITH ALL APPLICABLE HEALTH REQUIREMENTS AND STANDARDS PERTAINING TO RF EMISSIONS.

THE APPLICANT SHALL TEST ANY WIRELESS TELECOMMUNICATIONS SITE INSTALLED IN THE CITY OF SUNNYVALE WITHIN 15 DAYS OF OPERATING THE TOWER. THE TEST SHALL CONFIRM THAT ANY EMERGENCY 911 WIRELESS CALL MADE THROUGH THE WIRELESS TELECOMMUNICATIONS SITE SHALL PROVIDE ENHANCED 911 CAPABILITY (INCLUDING PHASE 2 INFORMATION WHEN AVAILABLE FROM THE CALLER'S DEVICE) AND DIRECT THE CALL TO THE CITY OF SUNNYVALE DEPARTMENT OF PUBLIC SAFETY DISPATCHER. ENSURING PHASE 2 INFORMATION IS TRANSFERRED, IF THE CALL IS TO BE DIRECTED ELSEWHERE PURSUANT TO STATE AND FEDERAL LAW THE APPLICANT SHALL ENSURE THAT THE ENHANCED 911 INFORMATION TRANSFERS TO THAT DISPATCH CENTER. THIS CAPABILITY SHALL BE ROUTINELY TESTED TO ENSURE COMPLIANCE AS LONG AS THE APPROVED WIRELESS TELECOMMUNICATIONS SITE IS IN SERVICE.

PROJECT INFORMATION

CURRENT USE:
UTILITY POLE

PROPOSED USE:
UTILITY POLE & TELECOMMUNICATIONS FACILITY

JURISDICTION:
CITY OF SUNNYVALE



- 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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- 2016 CALIFORNIA BUILDING CODE (CBC)
 - 2016 CALIFORNIA RESIDENTIAL CODE (CRC)
 - 2016 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)
 - 2016 CALIFORNIA EXISTING BUILDING CODE (CEBC)
 - 2016 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CGBC)
 - 2016 CALIFORNIA FIRE CODE (CFC)
 - 2016 CALIFORNIA MECHANICAL CODE (CMC)
 - 2016 CALIFORNIA PLUMBING CODE (CPC)
 - 2016 CALIFORNIA ELECTRICAL CODE (CEC)
 - 2016 CALIFORNIA ENERGY CODE (CEC)
 - ANSI / EA-TIA-222-H
 - 2015 NFPA 101, LIFE SAFETY CODE
 - 2015 NFPA 72, NATIONAL FIRE ALARM CODE
 - 2015 NFPA 13, FIRE SPRINKLER CODE
 - G.O. 95

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : S-2 (UNMANNED)
CONSTRUCTION TYPE: IIB
HANDICAP REQUIREMENTS
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY ACCESS AND REQUIREMENTS ARE NOT REQUIRED, IN ACCORDANCE WITH CALIFORNIA STATE ADMINISTRATIVE CODE, PART 2, TITLE 24, SECTION 1103B.1, EXCEPTION 1 & SECTION 1134B.2.1, EXCEPTION 4.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

LATITUDE:
37.362781

LONGITUDE:
-122.021081

AMSL:
±112.8' AMSL

POLE OWNER:
PG&E

POWER AGENCY:
PG&E
77 BEALE STREET
SAN FRANCISCO, CA 94105
PH: (800) 743-5000

RADIO FREQUENCY DATA PLAN

INITIATIVE:	REVISION LEVEL	DATE:
-	-	-

Prepared For:

verizon
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WALNUT CREEK, CA 94598

Engineer:

THE CBR GROUP
843 ARNOLD DRIVE, SUITE A
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Licensor:



Sheet Title:

OVERALL SITE PLAN

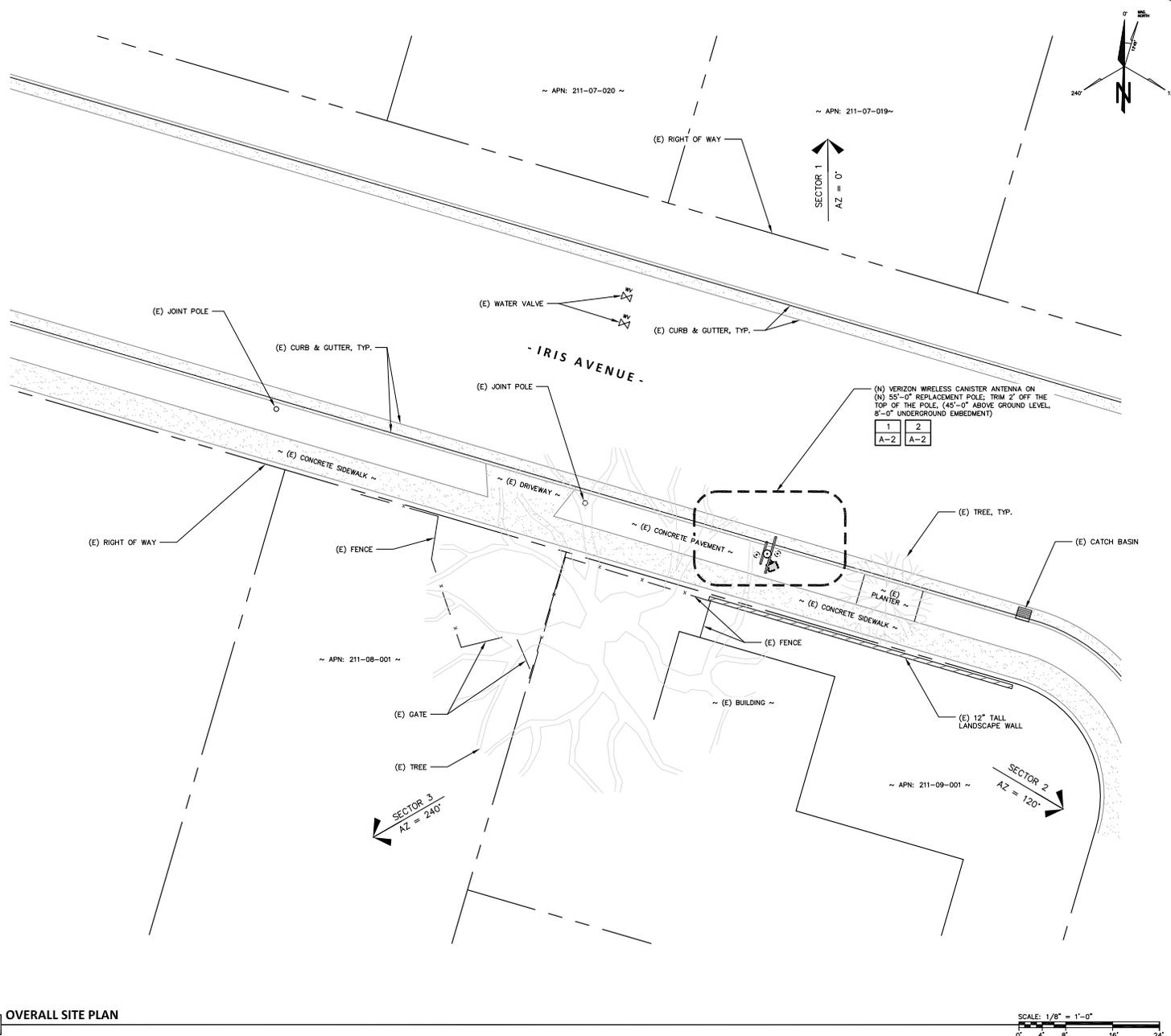
Sheet Number:

A-1

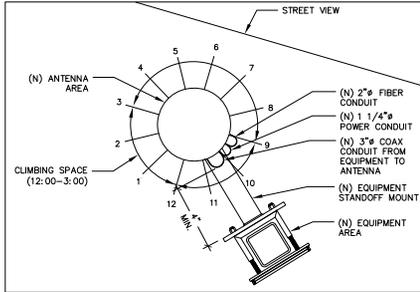
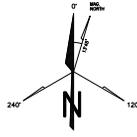
- 2** GRID REFERENCE
- 1** DETAIL REFERENCE
- A-2** ELEVATION REFERENCE
- 2** SECTION REFERENCE
- CENTERLINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- TELEPHONE CONDUIT
- ELECTRICAL CONDUIT
- COAXIAL CABLE
- OVERHEAD SERVICE CONDUCTORS
- GROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONTINUOUS
- WOOD BLOCKING
- STEEL
- (N) NEW
- (E) EXISTING
- NEW ANTENNA
- EXISTING ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL GRND. CONN.
- CADWELD
- GROUND ACCESS WELL
- ELECTRIC BOX
- TELEPHONE BOX
- LIGHT POLE
- FND. MONUMENT
- ◆ SPOT ELEVATION
- △ SET POINT
- △ REVISION

2 SYMBOLS
N.T.S.

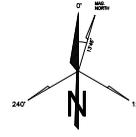
1 OVERALL SITE PLAN



SCALE: 1/8" = 1'-0"
0' 4' 8' 16' 24'



NOTE:
ALL (N) EQUIPMENT TO BE PAINTED VALSPAR (6010-2 DEEP EARTH)
TREE TRIMMING IS REQUIRED



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Engineer:

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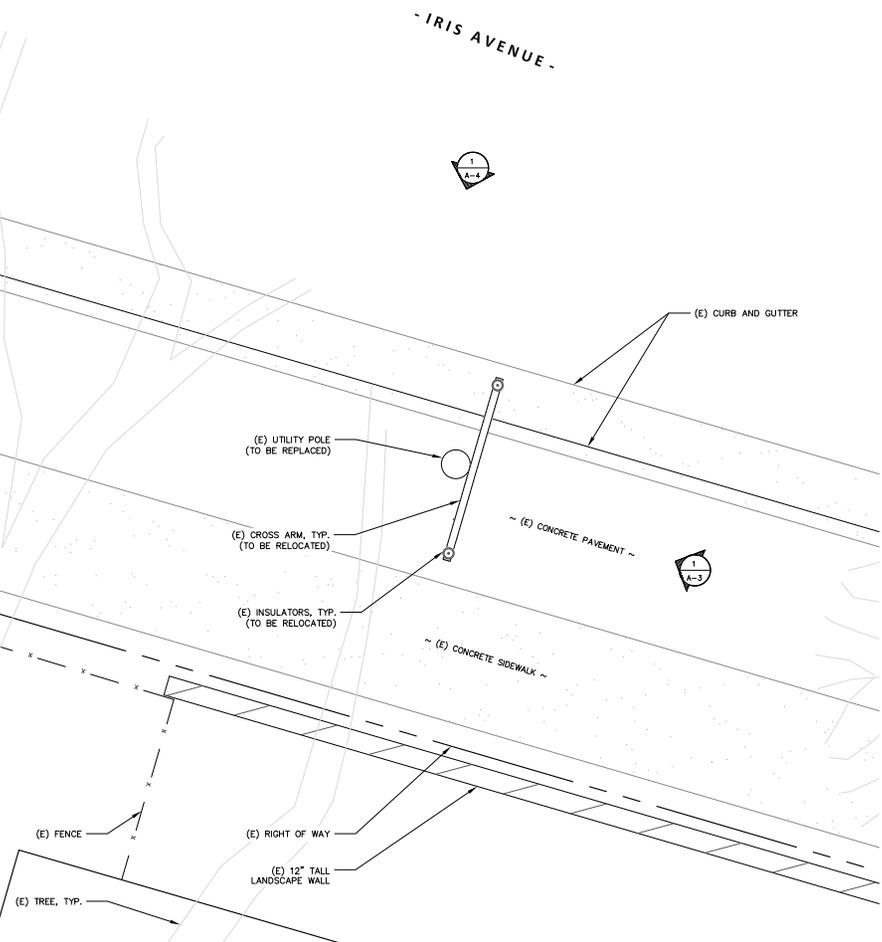
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Sheet Title:
EXISTING AND PROPOSED
EQUIPMENT AND
ANTENNA PLANS

Sheet Number:

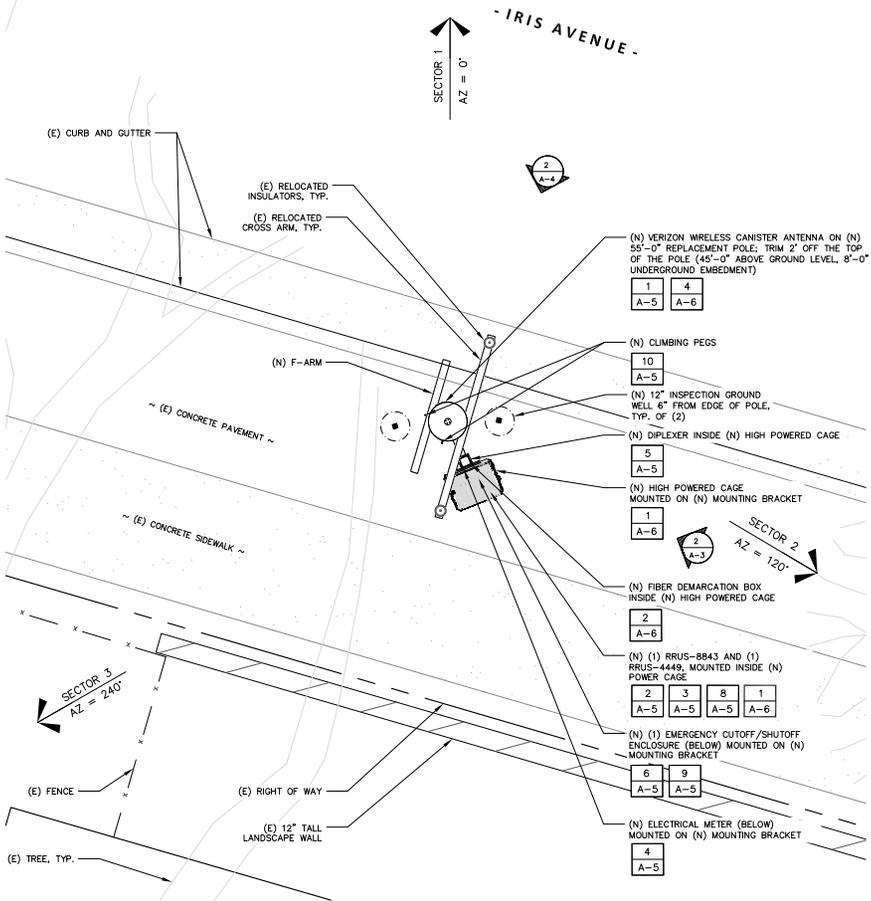
A-2

- IRIS AVENUE -



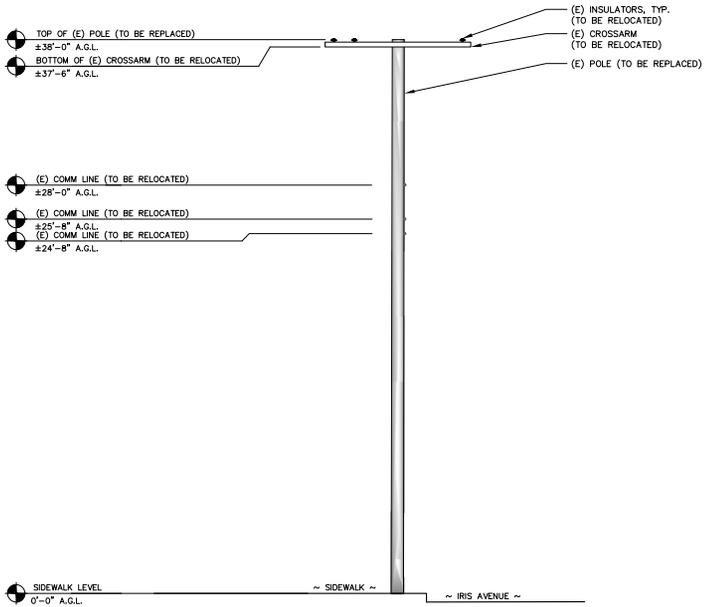
1 EXISTING EQUIPMENT AND ANTENNA
SCALE: 1/2" = 1'-0"

- IRIS AVENUE -

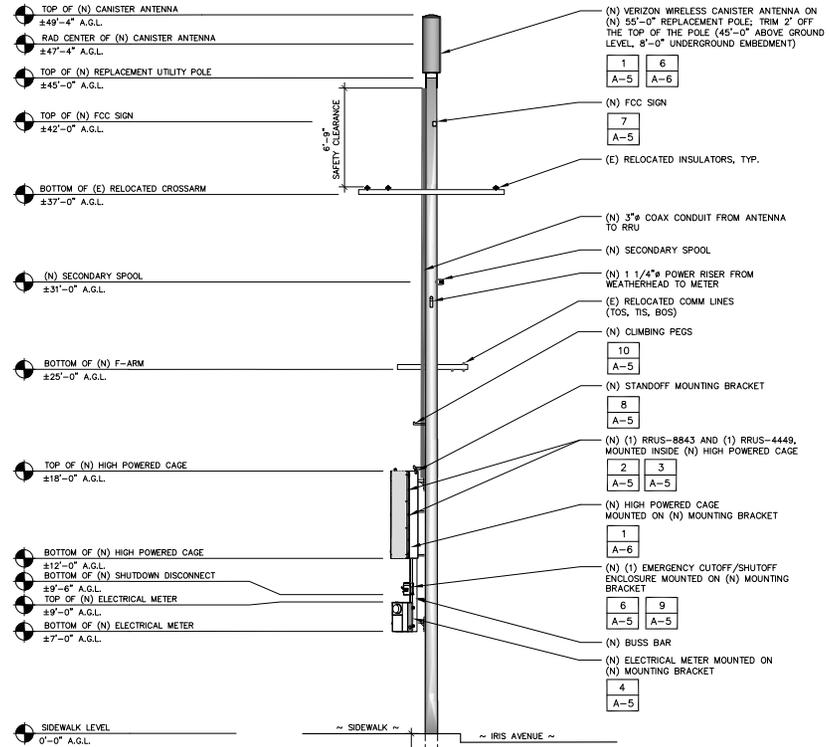
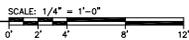


2 PROPOSED EQUIPMENT AND ANTENNA
SCALE: 1/2" = 1'-0"

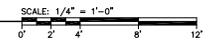
NOTE:
ALL (N) EQUIPMENT TO BE PAINTED VALSPAR (6010-2 DEEP EARTH)
TREE TRIMMING IS REQUIRED



1 EXISTING SOUTHEAST ELEVATION



2 PROPOSED SOUTHEAST ELEVATION



Prepared For:



Engineer:



Vendor:

Site Number: 441006

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Licensor:



IF A REVISION OF ANY KIND FOR ANY REASON (UNLESS THERE ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER) IS TO BE MADE TO THIS LICENSED PROFESSIONAL ENGINEER'S SEAL, THE SEAL IS VOID.

Sheet Title:
EXISTING AND PROPOSED
SOUTHEAST ELEVATIONS

Sheet Number:

A-3

Prepared For:



Engineer:



Vendor:

Site Number: 441006

Site Name: SUNNYVALE 029

Site Address: 701 JACKPINE COURT
SUNNYVALE, CA 94086

County: SANTA CLARA COUNTY

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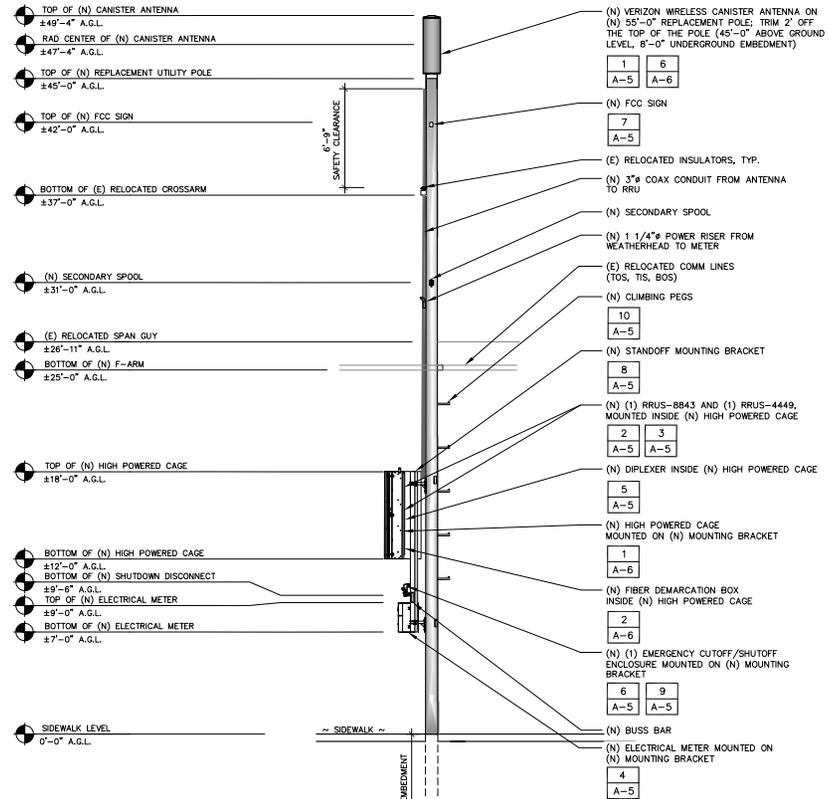
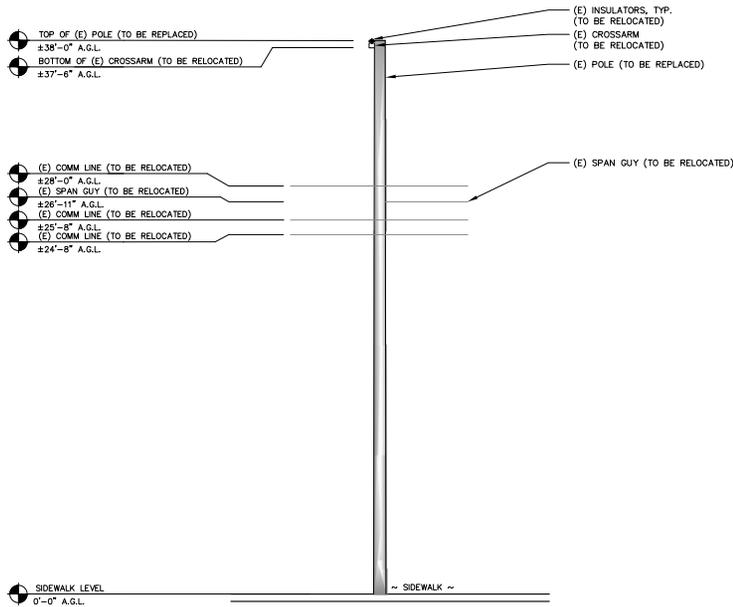
IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO SEAL THIS SEAL.

Sheet Title:
EXISTING AND PROPOSED
NORTHEAST ELEVATIONS

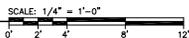
Sheet Number:

A-4

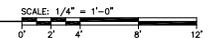
NOTE:
ALL (N) EQUIPMENT TO BE PAINTED VALSPAR (6010-2 DEEP EARTH)
TREE TRIMMING IS REQUIRED

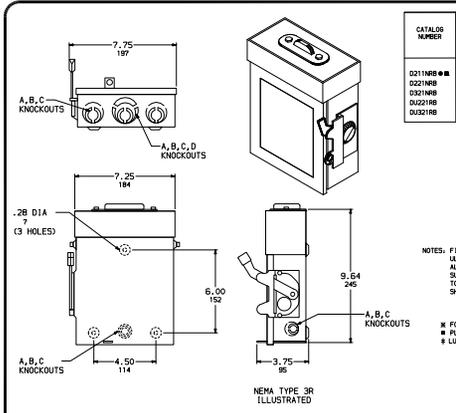


1 EXISTING NORTHEAST ELEVATION



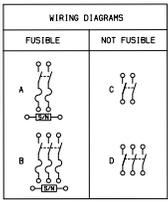
2 PROPOSED NORTHEAST ELEVATION





CATALOG NUMBER	VOLTAGE RATINGS	WIRE DIA.	HORSEPOWER RATINGS						
			120VAC			240VAC			
			STD.	MAX.	1Ø	3Ø	1Ø	3Ø	
D211NB**	240VAC	A	1/2	2	1 1/2	-	3	-	-
D221NB	240VAC	A	-	-	1 1/2	3K	3	7 1/2	3K
D311NB	240VAC	B	-	-	1 1/2	3	3	7 1/2	-
D321NB	240VAC	C	-	-	-	-	3	7 1/2	-
D331NB	240VAC	D	-	-	-	-	3	7 1/2	-

NOTES: FINISH - GRAY BAKED ENAMEL ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.
 A, LISTED - FILE E-2875
 ALL NEUTRALS - ISOLATED GROUNDABLE
 SUITABLE FOR USE AS SERVICE EQUIPMENT
 TOP OF NEMA TYPE 3R SWITCHES HAVE PROVISIONS FOR MAXIMUM 1/2" BOLT-ON HUB.
 SHORT CIRCUIT CURRENT RATINGS:
 # 10,000 AMPERE
 10,000 AMPERE WHEN USED WITH OR PROTECTED BY CLASS H OR K FUSES.
 100,000 AMPERE WITH CLASS R FUSES.
 X FOR CORNER GROUNDED DELTA SYSTEM.
 # FUSE FUSES
 # LUGS SUITABLE FOR 60°C OR 75°C CONDUCTORS.

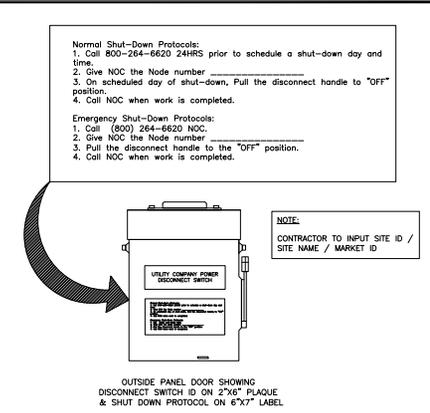


TERMINAL LUGS#1			
AMPERE	MAX. WIRE	MIN. WIRE	TYPE
30	# 6 AWG	# 12 AWG	K
	# 6 AWG	# 14 AWG	CU

KNOCKOUTS				
SYMBOL	A	B	C	D
CONDUIT SIZE	.50	.75	1	1.25

GENERAL DUTY SAFETY SWITCHES
 VISIBLE FLAG TYPE
 30 AMPERE
 ENCLOSURE - NEMA TYPE 3R RAINPROOF
 DWG. NO. 1852
SQUARE D COMPANY

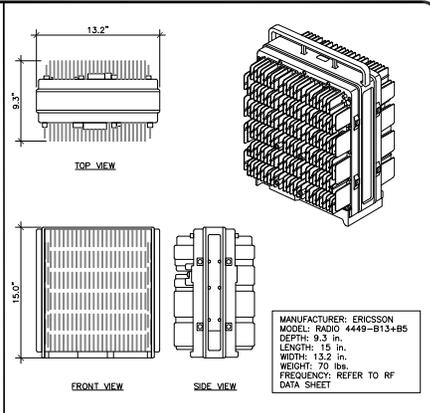
SHUTDOWN DISCONNECT SWITCH SCALE: N.T.S. 9



Normal Shut-Down Protocols:
 1. Call 800-264-6620 24HRS prior to schedule a shut-down day and time.
 2. Give NOC the Node number
 3. On scheduled day of shut-down, Pull the disconnect handle to "OFF" position.
 4. Call NOC when work is completed.
 Emergency Shut-Down Protocols:
 1. Call (800) 264-6620 NOC.
 2. Give NOC the Node number
 3. Pull the disconnect handle to the "OFF" position.
 4. Call NOC when work is completed.

NOTE:
 CONTRACTOR TO INPUT SITE ID /
 SITE NAME / MARKET ID

SHUTDOWN PROTOCOL PLAQUE SCALE: N.T.S. 6



MANUFACTURER: ERICSSON
 MODEL: RADIO 4449-B13-B85
 DEPTH: 9.3 in.
 LENGTH: 15 in.
 WIDTH: 13.2 in.
 WEIGHT: 70 lbs
 FREQUENCY: REFER TO RF DATA SHEET

RRU 4449 DETAIL SCALE: N.T.S. 3

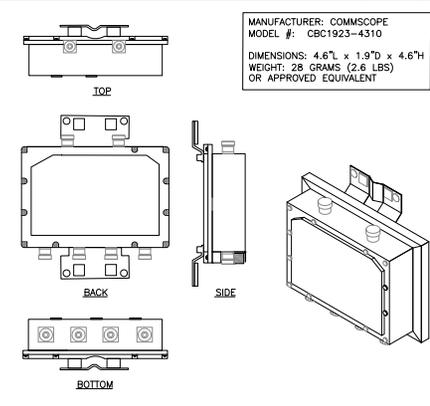


WEIGHT: 24LBS
 FINISH: VULCANITE (6010-2 DEEP EARTH)
 LOAD CAPACITY: 1,500LBS

MEXSAL DESIGN GROUP
 1990 NORTH CALIFORNIA BLVD.
 WALNUT CREEK, CA 94598
 (510) 500-9999
 OR APPROVED EQUIVALENT

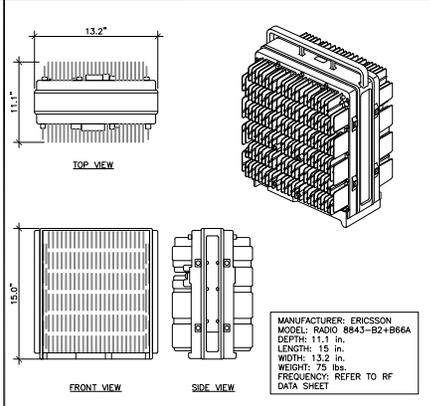
3/8" THICK STEEL BACK PLATE
 1/2" DIAMETER NUT WITH LOCK WASHER
 4"x4"x5" GALVANIZED TUBE STEEL
 TOP VIEW
 3/8" DIAMETER SQUARE U-BOLT
 1/2" DIAMETER ANTI SPLIT GALVANIZED THRU BOLT
 4"x4"x5" GALVANIZED TUBE STEEL
 SIDE VIEW
 1/2" DIAMETER LAG SCREW W/ 5" MIN. EMBEDMENT, TYP.

NOT USED SCALE: N.T.S. 11



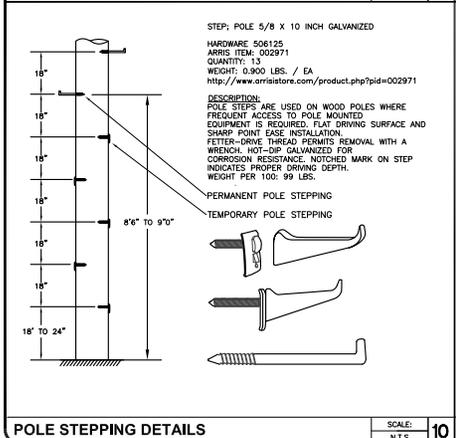
MANUFACTURER: COMSCOPE
 MODEL #: CBC1923-4310
 DIMENSIONS: 4.6"L x 1.9"D x 4.6"H
 WEIGHT: 28 GRAMS (2.6 LBS)
 OR APPROVED EQUIVALENT

DIPLEXER DETAILS SCALE: N.T.S. 5



MANUFACTURER: ERICSSON
 MODEL: RADIO 8843-B2+B66A
 DEPTH: 11.1 in.
 LENGTH: 15 in.
 WIDTH: 13.2 in.
 WEIGHT: 75 lbs
 FREQUENCY: REFER TO RF DATA SHEET

RRU 8843 DETAIL SCALE: N.T.S. 2



POLE STEPPING DETAILS SCALE: N.T.S. 10

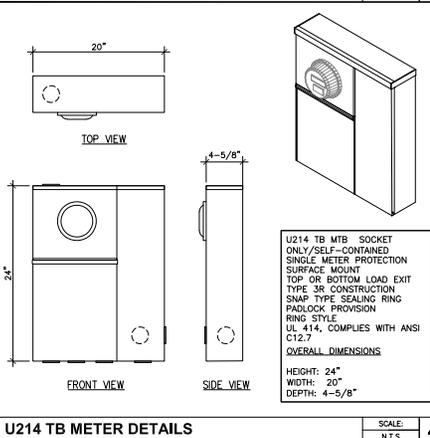
CAUTION

Transmitting Antenna(s)

Radio frequency fields beyond this point MAY EXCEED the FCC Occupational exposure limit. Obey all posted signs and site guidelines.
 Call Verizon Wireless at 1-800-264-6620 prior working beyond this point.

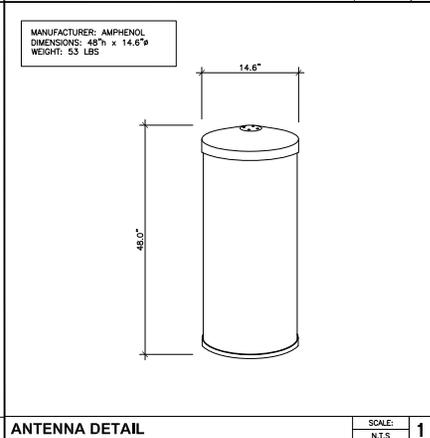
STATE: _____ SWITCH: _____
 SITE ID: _____
 SECTOR/NODE: _____
 RSI 6404.5D

CAUTION SIGN SCALE: N.T.S. 7



U214 TB MTB SOCKET ONLY/SELF-CONTAINED SINGLE METER PROTECTION SURFACE MOUNT TOP OR BOTTOM LOAD EXIT TYPE 3R CONSTRUCTION SNAP TYPE SEALING RING RADLOCK PROVISION RING STYLE UL 414, COMPLIES WITH ANSI C12.7
 OVERALL DIMENSIONS
 HEIGHT: 24"
 WIDTH: 20"
 DEPTH: 4-5/8"

U214 TB METER DETAILS SCALE: N.T.S. 4



ANTENNA DETAIL SCALE: N.T.S. 1

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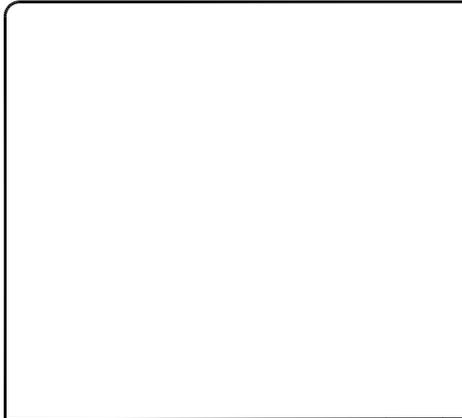
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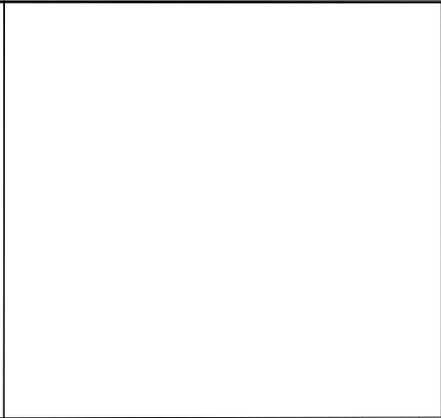
Licensor:

Sheet Title: EQUIPMENT AND CONSTRUCTION DETAILS

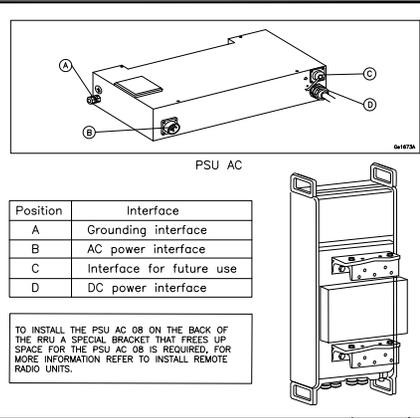
Sheet Number: **A-5**



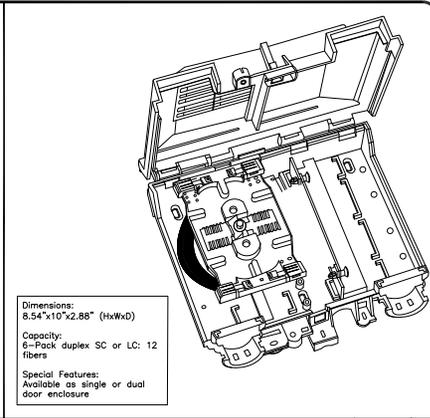
SCALE: N.T.S. 8



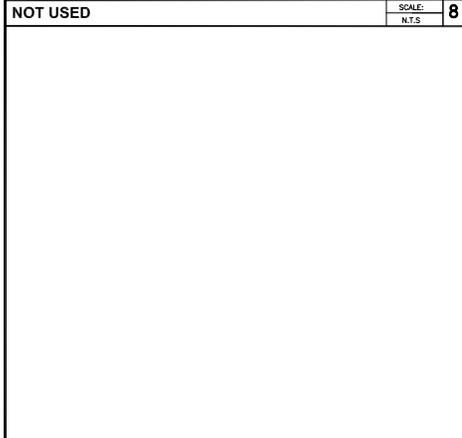
SCALE: N.T.S. 6



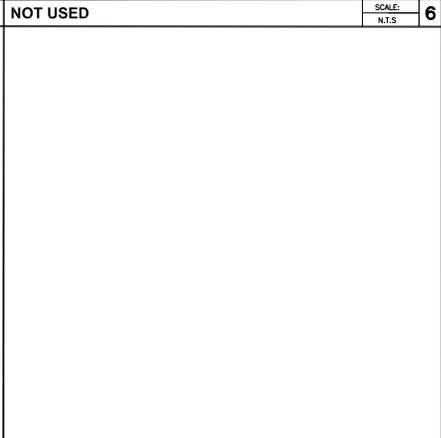
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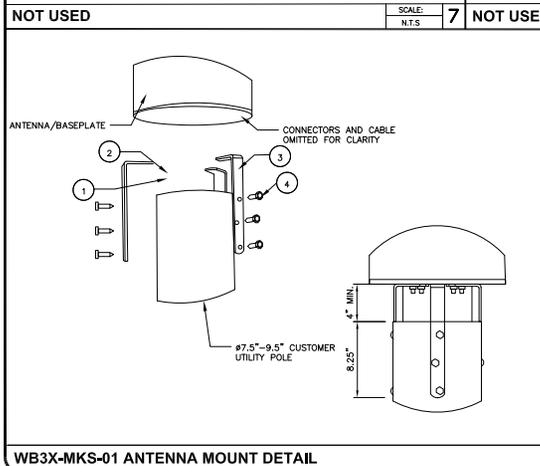
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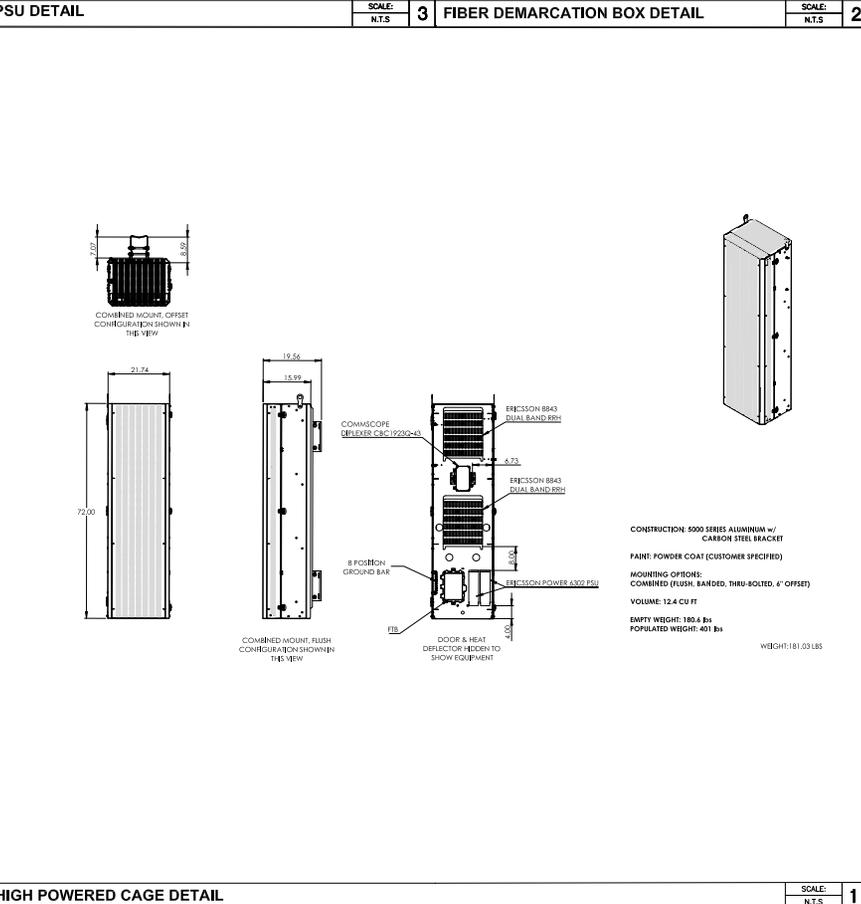
SCALE: N.T.S. 7



SCALE: N.T.S. 5



SCALE: N.T.S. 4



SCALE: N.T.S. 1

Prepared For:

2785 MITCHELL DRIVE, SUITE 9
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Engineer:

843 ARNOLD DRIVE, SUITE A
MARTINEZ, CA 94553
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Vendor:

Site Number: 441006

Site Name: SUNNYVALE 029

Site Address: 701 JACKPINE COURT
SUNNYVALE, CA 94086

County: SANTA CLARA COUNTY

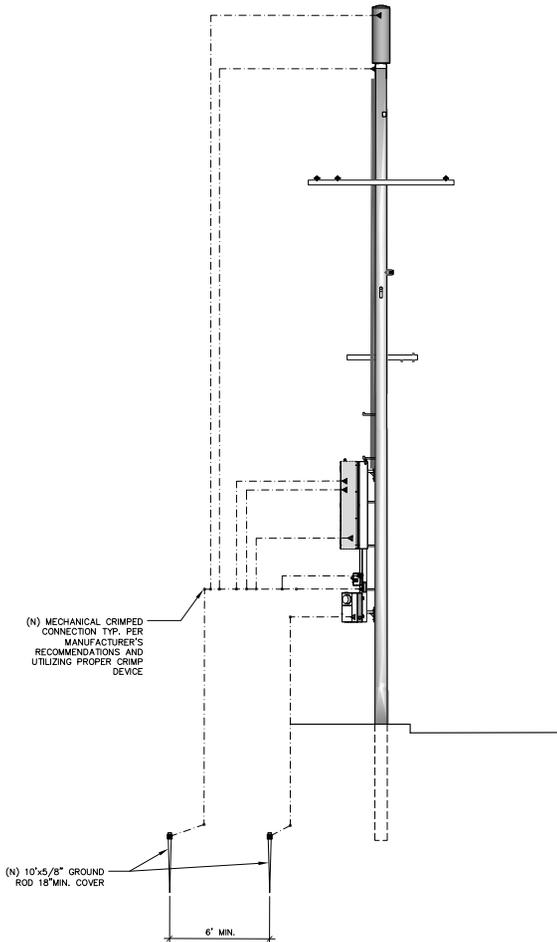
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A	08/09/18	90% CDS FOR REVIEW	WM

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Sheet Title: EQUIPMENT AND CONSTRUCTION DETAILS

Sheet Number: A-6



1 POLE GROUNDING DIAGRAM

POWER AND TELCO CONNECTIONS:

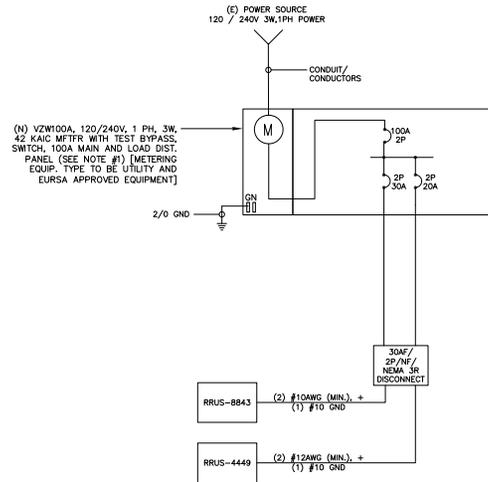
1. POWER AND TELCO POINT OF CONNECTION AND ROUTE ARE PRELIMINARY AND SUBJECT TO CHANGE TO CONFIRMATION BY THE UTILITY COMPANIES RESPECTIVELY.
2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY ENGINEERING PLAN AND SPECIFICATIONS ONLY WHERE APPLICABLE PER PROJECT SCOPE OF WORK.
3. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL RINGS, CABLE PULL BOXES, CONCRETE ENCASMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, RISER TRENCHING, BACK FILL AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN THE SCOPE.
4. CONTRACTOR SHALL LABEL ALL MAIN DISCONNECT SWITCHES AS REQUIRED BY CODE.

POWER AND TELCO CONNECTIONS:

1. SUBCONTRACTOR SHALL PROVIDE METER WITH DIST. PANEL AND BREAKERS FOR POWER TO THE BTS UNITS AND THE BTS/UTILITY CABINET.
2. ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE N.E.C. AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
3. SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE ENTRANCE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
4. FIELD ROUTE CONDUIT TO CABINETS AS REQUIRED.
5. MAXIMUM ONE WAY CIRCUIT RUN NOT TO EXCEED 75 FEET.

GENERAL ELECTRICAL NOTES:

1. PROVIDE ALL ELECTRICAL WORK & MATERIALS AS SHOWN ON THE DWGS, AS CALLED FOR HEREIN, & AS IS NECESSARY TO FURNISH A COMPLETE INSTALLATION.
2. THE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ADOPTED CALIFORNIA ELECTRICAL CODE, STATE OF CALIFORNIA TITLE 24, ALL OTHER APPLICABLE CODES AND ORDINANCES & THE REQUIREMENTS OF THE FIRE MARSHALL. ALL EQUIPMENT & WIRING SHALL BEAR THE APPROVAL STAMP OF UNDERWRITERS LABORATORY (UL) OR AN APPROVED TESTING LABORATORY, PAYMENT FOR ALL INSPECTION FEES AND PERMITS ARE PART OF THIS CONTRACT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND GOOD CONDITION OF ALL MATERIALS & EQUIPMENT FOR THE ENTIRE INSTALLATION & UNIT COMPLETION OF WORK, ERECT & MAINTAIN APPROVED & SUITABLE BARRIERS, PROTECTIVE DEVICES & WARNING SIGNS, BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM NEGLIGENCE AND/OR ENFORCEMENT OF ALL SAFETY PRECAUTIONS & WARNINGS.
4. COORDINATE THE ELECTRICAL INSTALLATION WITH ALL OTHER TRADES.
5. ALL SAW CUTTING, TRENCHING, BACK FILLING & PATCHING SHALL BE PART OF THIS CONTRACT.
6. FINALIZE ALL ELECTRICAL SERVICE ARRANGEMENTS, INCLUDING VERIFICATION OF LOCATIONS, DETAILS, COORDINATION OF THE INSTALLATION & PAYMENT OF ACCRUED CHARGES WITH LOCAL POWER COMPANY, VERIFY LOCATION FOR FACILITIES & DETAILS WITH POWER UTILITY, IN ADDITION TO THE REQUIREMENTS SHOWN IN THE CONTRACT DOCUMENTS, WORK SHALL COMPLY WITH CONSTRUCTION STANDARDS & SERVICE REQUIREMENTS OF THE RESPECTIVE UTILITIES, INCLUDING ANY SUPPLEMENTAL DWGS ISSUED & SHALL BE SUBJECT TO APPROVAL OF THESE UTILITIES.
7. ALL WIRING SHALL BE COPPER. INSULATION FOR BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THWN" CONDUCTORS LARGER AND #6 AWG MAY BE TYPE "THWN" OR "TWN".
8. PROVIDE CONDUIT SEALS FOR ALL CONDUITS PENETRATING WEATHERPROOFING OR WEATHERPROOF ENCLOSURE ENVELOPE. MASTIC SEAL ALL CONDUIT OPENING PENETRATIONS COMPLETELY WEATERTIGHT.
9. UNLESS SHOWN OTHERWISE, FUSED DISCONNECT SWITCHES SHALL BE PROVIDED WITH LOW-PEAK, S/DUAL ELEMENT FUSES SIZED TO EQUIPMENT NAMEPLATE FUSE CURRENT RATING. MOTOR STARTERS SHALL BE PROVIDED WITH SIMILARLY SIZED FUSIBLE ELEMENTS, SWITCHES AND OTHER OUTDOOR EQUIPMENT SHALL BE RATED NEMA 3R AND/OR UL LISTED FOR WET ENVIRONMENT.
10. 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.



2 SINGLE LINE DIAGRAM
N.T.S.

LOAD CALCULATIONS-VERIZON WIRELESS

EXISTING LOAD: 0 AMPS
NEW LOAD: 10.0 AMPS MAX
NEW TOTAL LOAD: 10.0 AMPS MAX

POWER AND TELCO DESIGN IS BASED ON INITIAL SITE VISIT.

CONTRACTOR SHALL OBTAIN CURRENT UTILITY COORDINATOR PLANS PRIOR TO START OF CONSTRUCTION.

AVAILABLE FAULT CURRENT PER UTILITY.

NOTE: CONTRACTOR TO CHECK WITH UTILITY TO ENSURE ELEC. METER IS BRACED FOR ACTUAL FAULT CURRENT.

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SUNNYVALE 029

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701 JACKPINE COURT
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County:

SANTA CLARA COUNTY

Issued For:

CONSTRUCTION

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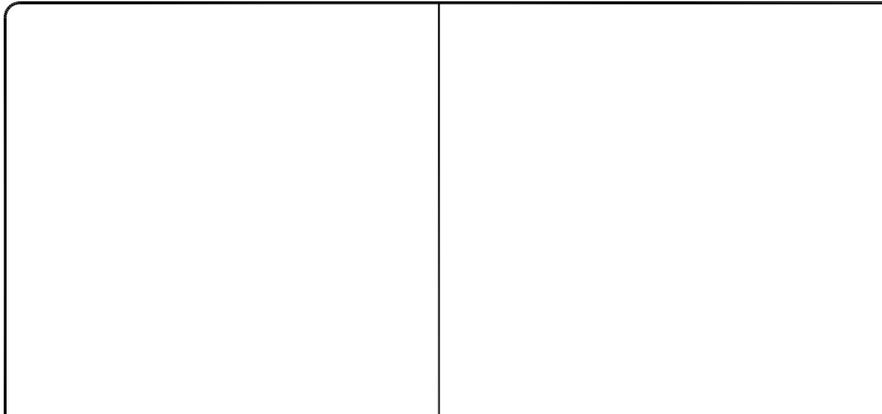
Licenser:

IF A REVISION OF LAW FOR ANY REASON (UNLESS THEY ARE ACTUALLY UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER) TO THIS THE

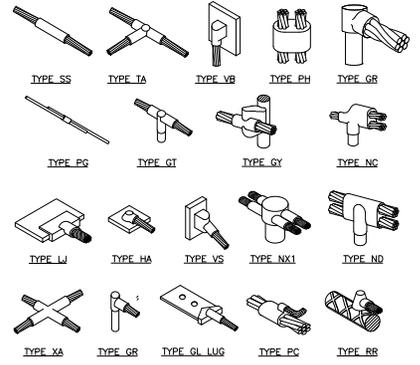
Sheet Title:
ELECTRICAL GROUND DIAGRAMS, SINGLE LINE DIAGRAM

Sheet Number:

E-1



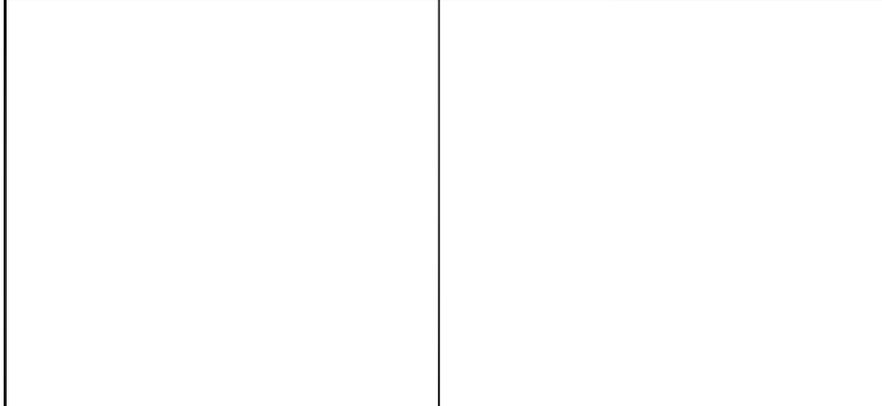
- NOTES:
- IF GROUND ROD IS INSTALLED IN SIDEWALK AREA, CORE DRILL SIDEWALK PRIOR TO INSTALLING INSPECTION WELL.
 - EXPOSED CONCRETE TO HAVE BROOM FINISH.



NOT USED SCALE: N.T.S. 10 NOT USED SCALE: N.T.S. 7

POLE GROUNDING ROD SCALE: N.T.S. 4

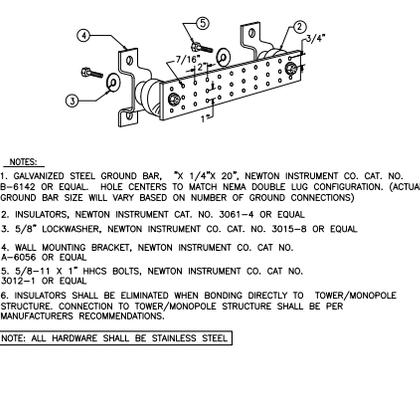
EXOTHERMIC WELD CONNECTION SCALE: N.T.S. 3



- NOTES:
- ETCHED POLYPROPYLENE FACE
 - FACE ANCHORED IN CONCRETE
 - ULTRA-VIOLET INHIBITOR
 - EXCEEDS ASTM-D1693 STANDARDS
 - FOR ENVIRONMENTAL STRESS CRACKING RESISTANCE

NOT USED SCALE: N.T.S. 11 NOT USED SCALE: N.T.S. 8

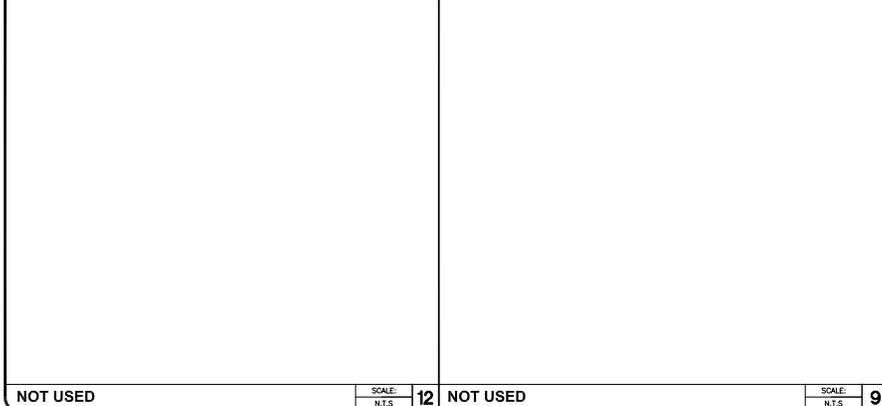
F08 BOX GROUND WELL DETAIL SCALE: N.T.S. 5



NOT USED SCALE: N.T.S. 12 NOT USED SCALE: N.T.S. 9

NOT USED SCALE: N.T.S. 6

BUSS BAR SCALE: N.T.S. 2



NOT USED SCALE: N.T.S. 12 NOT USED SCALE: N.T.S. 9

NOT USED SCALE: N.T.S. 6

CONNECTION OF CABLE GND. KIT TO ANTENNA SCALE: N.T.S. 1

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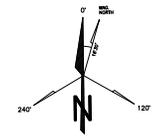
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B	11/13/18	100% COS FOR REVIEW	JG
A	08/09/18	90% COS FOR REVIEW	WM

Licensor:

Sheet Title: ELECTRICAL DETAILS

Sheet Number: E-2



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Licensors:

Sheet Title:
TRAFFIC CONTROL PLAN

Sheet Number:
TCP

GENERAL TRAFFIC CONTROL NOTES

TRAFFIC SHALL CONFORM TO THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE 2012 WATCH HANDBOOK.

ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES

ONE LANE OF TRAFFIC IN EACH DIRECTION AND ALL HIGH VOLUME TURNING LANES SHALL BE MAINTAINED AT ALL TIMES ON ALL STREETS AT A MINIMUM LANE WIDTH OF 10 FEET.

ANY CONFLICTING SIGNS, STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED BEFORE TRAFFIC CONTROL IS IN PLACE. ANY SIGN STRIPING OR PAVEMENT MARKING REMOVED OR COVERED SHALL BE REPLACED WHEN TRAFFIC CONTROL IS NO LONGER NECESSARY.

SAFE PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

WORK HOURS: MONDAY-FRIDAY 7AM-6PM, SATURDAY 8AM-6PM

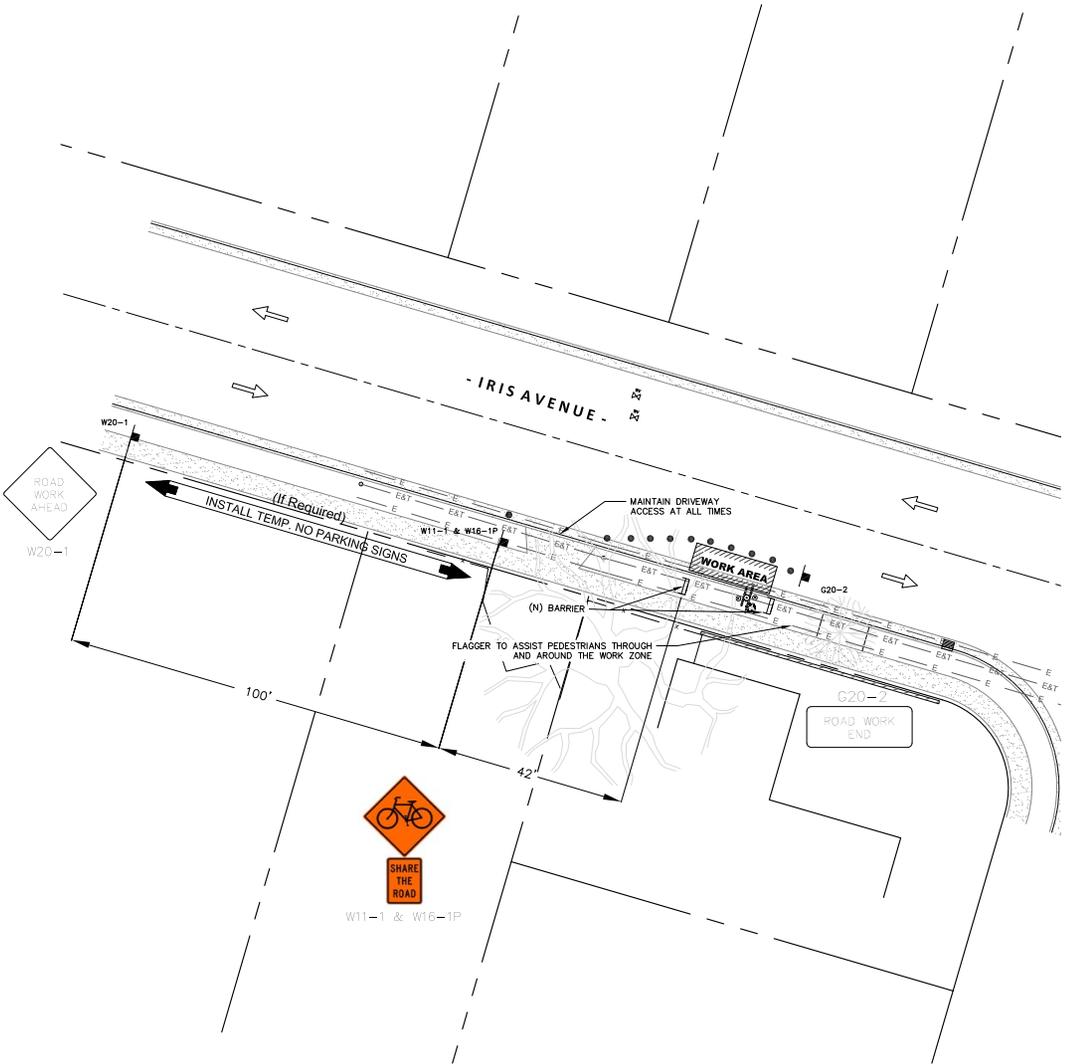
- NOTES:
- FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY ACCESS AND REQUIREMENTS ARE NOT REQUIRED, IN ACCORDANCE WITH CALIFORNIA STATE ADMINISTRATIVE CODE, PART 2, TITLE 24, SECTION 110361.1, EXCEPTION 1 & SECTION 1134B.2.1, EXCEPTION 4.
 - STREET SIDE PARKING AVAILABLE ON BOTH SIDES OF THE STREET.
 - WORK HOURS SHALL COMPLY WITH SMC 16.08.030.
 - MAINTAIN 4' MINIMUM PEDESTRIAN CLEARANCE WHERE SIDEWALK REMAINS OPEN.
 - INSTALL TEMPORARY NO PARKING SIGNS 72 HOURS PRIOR TO START OF WORK.

TABLE 6H-3 & 6H-4 - FROM THE 2014 CALIFORNIA MUTCD

POSTED SPEED LIMITS - MPH	MERGING TAPER LENGTH 1/2" - FEET	SHIFTS TAPER LENGTH 1/2" - FEET	SPREADER TAPER LENGTH 1/2" - FEET	SIGN SPACING ADVANCE OF TAPER & BETWEEN SIGNS - FEET
20	80	40	27	100
25	125	63	42	100
30	180	90	60	250
35	245	123	82	250
40	320	160	107	250
45	540	270	180	350
50	600	300	200	350
55	660	330	220	350

MAINTAIN DRIVEWAY ACCESS AT ALL TIME

- LEGEND
- TYPE III BARRICADE W SIGN
 - TYPE II BARRICADE W SIGN
 - CHANNELIZING DEVICE
 - TRAFFIC CONE WITH CLIP ON SIGN
 - SIGN
 - SIGNALIZED INTERSECTION
 - ARROW PANEL (FLASHING ARROW) (WHERE REQUIRED)
 - HIGH LEVEL WARNING DEVICE (FLAGTREE) (OPTIONAL)
 - FLAGGER
 - TOW AWAY NO STOPPING TO TO (SHOW HOURS)
 - TANSAT TOW AWAY NO STOPPING ANY TIME
 - WORK ZONE (ACTIVITY AREA) LIMITS
 - DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)
 - ROADWAY DESIGNATION (A THROUGH D)
 - SITE



1 TRAFFIC CONTROL PLAN
N.T.S.