# CITY OF ELK GROVE SMUD SERVICES REQUEST FOR TELECOMMUNICATOINS SERVICE PROVIDER



| Date of Request:    |                        |                     |  |
|---------------------|------------------------|---------------------|--|
| Approximate Date Se | ervice Connection is N | leeded:             |  |
| START X             | DISCONNECT             | TRANSFER OF SERVICE |  |

Telecommunications Service Provider (TSP) Name: AT&T

TSP Billing Address: AT&T Mobility c/o Engie Insight MS 7372 P.O. Box 2241 Spokane, WA 99210 TSP Tax ID:

Contact Person and Number: Engie Insight (866) 322-4547

Point of Connection (POC): City Service#: Not Available

SMUD POC to City Conductor:

1. Descriptive Address: Measurements must be from the street center line and must be listed as x feet, the side of the street, and include north/south and east/west directions. For example: 50 feet of East Street and 10 feet South of J Street.

Meter #: Box U7101

Address: Adjacent to 9050 Vicino Dr

Description: South side of Big Horn Blvd, 70 feet from the centerline; 255 feet West from the centerline of Vicino Drive

- 2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD83:0402, 6725864.988ftUSE 1919129.358ftUSN Decimal: 38.430530, -121.426808
- Attach City Map with SMUD POC to City Conductor with an X or highlight on the map. (Note: please only submit the drawing with this location. Do not submit all drawing pages.)

City Pole Number: Pole #: SLT-30041

Location of TSP Devices on City Street lights:

Decimal: 38.430308, -121.425780

- 1. Descriptive Address: Measurements must be from the street center line and must be listed as x feet, the side of the street, and include north/south and east/west directions. For example: 50 feet of East Street and 10 feet South of J Street.

  Address: 9050 Vicino Dr Description: South 60 Feet from the centerline of Big Horn Blvd; 165 Feet West from the centerline of Vicino Dr
- 2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD 83: Zone 0402, 6725953.355ftUSE 1919108.064ftUSN Decimal: 38.43047, -121.4265
- 3. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point where the antenna is being powered from:

  NAD 83: 0402 6726159.979ftUSE 1919050.371ftUSN
- 4. Attach City Map with locations of 1) TSP devices on City Street light with an X or highlight on the map and 2) where the device is getting power from. (Note: please only submit the drawing with these locations. Do not submit all drawing pages.)

Number/Type of Devices: (How many transmitters, antennae, etc.)

2 Transmitters (RRU's), 2 Power Supply Units (PSU's) and 1 antenna

Make and Model of Devices:

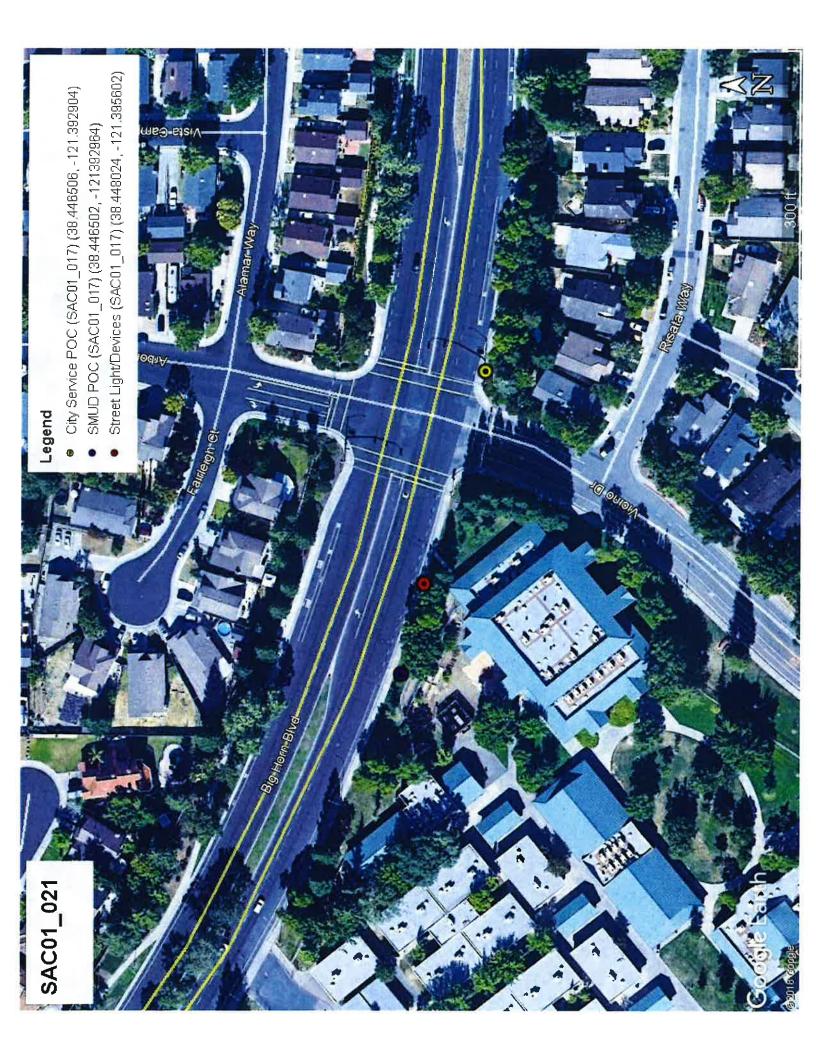
Ericsson RRU 2203 Ericsson RRU 2205 PSU AC 08, JPAK-AM-600-4LS-23D

Maximum Nameplate AC Wattage of each Device:

Ericsson RRU 2203 = 1100W, Ericsson RRU 2205 = 1100W

Small cell attachment equipment specification sheet attached \_\_\_X\_\_

This area reserved for SMUD use only





## **SMALL CELL LOAD SUMMARY – Elk Grove**

Vendor Name: Vinculums City Project Number: Date: 11/4/19

|                   | Project:                 |  |  | The Late | Tour T. |         |  |  |  |
|-------------------|--------------------------|--|--|----------|---------|---------|--|--|--|
|                   | Location Address:        | 9050 Vicino Driv                         | re   |          |         |         |  |  |  |
|                   | Pole Coordinates:        | 38.43047, -121.4                         | 38.43047, -121.4265 City Service Coordinates: 38.430308, -121.4257 |          |         |         |  |  |  |
|                   | Node Number:             | SAC01_021                                |  |          |         |         |  |  |  |
| Stree             | t Light Pole Number:     | SLT-30041 (MA-LED)                       |  |          |         |         |  |  |  |
|                   | City Service Address:    | SE Corner of Big Horn Blvd. & Vicino Dr. |  |          |         |         |  |  |  |
| SM                | UD Point of Connect:     | Box U7101 38.430530, -121.426808         |  |          |         |         |  |  |  |
|                   | City Service Number:     | Need Service Number from City            |  |          |         |         |  |  |  |
|                   | RF Config:               | MICRO                                    | RO Radio Load: 2200W Future Radio Load:                            |          |         |         |  |  |  |
|                   | Circuit Breaker:         | Position #2, 40 AMP                      |  |          |         |         |  |  |  |
|                   | Voltage:                 | ⊠ 120 V □ 240 V □ 277 V □ 480 V          |  |          |         |         |  |  |  |
|                   | an of Fulation Lands     | MA-LED:                                  | 3  | ORN-LED: |         | PT-LED: |  |  |  |
| Nume              | per of Existing Loads:   | MA-HPS:                                  |  | ORN-HPS: |         | PT-HPS: |  |  |  |
| Description of Ex | isting Loads (Street Lig | ht Numbers)                              |  |          |         |         |  |  |  |
| 30041             | 26926                    | 30039                                    |  |          |         |         |  |  |  |
|                   |                          |  |  |          |         |         |  |  |  |
|                   |                          |  |  |          |         |         |  |  |  |
|                   |                          |  |  |          |         |         |  |  |  |
|                   |                          |  |  | 1        |         |         |  |  |  |

| Total Existi | ng Loads   |           |
|--------------|--|-----------|
| 3            | MA-LED X 110 W                                   | 330 W     |
|              | MA-HPS X 200 W                                   | w         |
|              | ORN-LED X 110 W                                  | w         |
|              | ORN-HPS X 100 W                                  | w         |
|              | PT-LED X 110 W                                   | w         |
|              | PT-HPS X 100 W                                   | w         |
|              | Radio Load                                       | 2200 W    |
|              | New Load Total (RP):                             | 2530 W    |
|              | Total Load on Circuit:                           | 3.16 KVA  |
| *N           | linimum Circuit Overcurrent Protection Required: | 26.35 AMP |
|              | Radio Load Pico kWh/Yr.:                         | 19,272    |

| Existing Circ                 | cuit Breaker              | 40 A    | MPS               |
|-------------------------------|---------------------------|---------|-------------------|
| Percentage Overcurrent Prot   | ection Used               | 53%     |                   |
| Difficulty Level:             | 1                         |         |                   |
| 1. No Constructability Issues | 2. Difficult 3. Very Diff |         |                   |
| Pass or Fail:                 |                           | Pas     | s 🗆 Fail          |
| Notes:                        |                           | 34.     | 700               |
| *Per NEC Regulation, the Real | Power (RP) w              | ill not | exceed 80% of the |

| Street L  | ight No. | GPS       |             | GPS Light Type |             |             | Comments                        |
|-----------|----------|-----------|-------------|----------------|-------------|-------------|---------------------------------|
| Site Pole | Others   | Latitude  | Longitude   | Lamp<br>Post   | Post<br>Top | Mast<br>Arm | (LED, HPS, SIGNAL, COBRA, ETC.) |
| 30041     | ×        | 38.4307   | -121.4265   |                |             | х           | LED                             |
|           | 26926    | 38.430163 | -121.424556 |                |             | х           | LED                             |
|           | 30039    | 38.430969 | -121.427933 |                |             | х           | LED                             |



# Penso Engineering Joshua Penso, PE-EE

Date: 11/20/2019

To Whom It May Concern:

In coordination with RLS-CMC & Vinculum/AT&T drawings for node SAC01\_021. I have reviewed the OEM specifications for the proposed equipment listed below. Based on the data sheets for the equipment listed, I have calculated the power consumption, apparent power, and yearly usage listed for the typical radio equipment configuration powered solely by this equipment. This calculation is based on a single power supply powered by a 120V 2-wire service and all proposed radio loads will be powered only by this single supply.

| Equipment | Description               | Max<br>Power<br>(Watts) | Max<br>Current<br>(Amps) | KVA | KWh/Yr |
|-----------|---------------------------|-------------------------|--------------------------|-----|--------|
| PSU AC 08 | Rectifier<br>Power Supply | 2200                    | 18:34                    | 2.2 | 19272  |

I, Joshua Penso, affirm that the design presented in this document meets the 2016 California Electric Code, the 2014 NEC and the 2014 National Electric Safety Code (NESC).

Sincerely,

Joshua Penso, PE-EE

California License E-16741

Expiration Date: 9/30/2020

11-20-19



SITE ID: CRAN\_RSFR\_SAC01\_021

NODE FA: 14807727 NODE USID: 187886

PACE: MRSFR044192

IN THE PUBLIC R.O.W.

ADJACENT TO 9050 VICINO DR

**ELK GROVE, CA 95758** 

STREET LIGHT ID #: 30041

POLE # 30041

## **CONSULTING TEAM**

#### ENGINEERING COMPANY:

M SQUARED WIRELESS 1387 CALLE AVANZADO SAN CLEMENTE, CA 92673 CONTACT: MICHAEL MONTELLO

PHONE: (949) 391-6824

#### CONSTRUCTION MANAGER:

VINCULUMS SERVICES 1200 DEL PASO RD, STE 150 SACRAMENTO, CA 95843 CONTACT: ROBERT FLYNT PHONE: (916) 768-9699

#### PLANNING CONSULTANT:

VINCULUMS SERVICES 1200 DEL PASO RD, STE 150 SACRAMENTO, CA 95843 CONTACT: DIAN TARDIFF PHONE: (209) 562-4217

## DO NOT SCALE **DRAWINGS**

SUBCONTRACTOR SHALL VERIFY ALL SUBCONTRACTOR SHALL VERIFT AI PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIF THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR RESPONSIBLE FOR SAME



**USA NORTH** Know what's below.

Call before you dig.

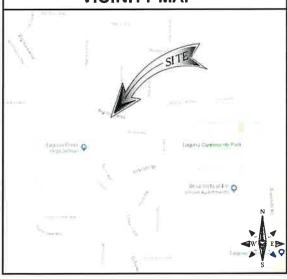
Call Two Working Days Before You Dig! 811 / 800-227-2600 usanorth.org

### **APPLICABLE CODES**

ALL WORK AND MATERIALS SHALL BE PERFORMED AND NSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)
- 2016 CALIFORNIA BUILDING CODE
- 2016 MECHANICAL CALIFORNIA CODE 2016 CALIFORNIA ELECTRICAL CODE
- 2016 GREEN BUILDING CODE
- 2016 CALIFORNIA ENERGY CODE
- GENERAL ORDER 95 (JUNE 2009 EDITION)
- CURRENT SACRAMENTÒ CITY CODE AMENDMENTS

## **VICINITY MAP**



#### **CONTRACTOR NOTES**

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHAL IMMEDIATELY NOTIFY THE ARCHITECT AND/OR ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

#### **DESIGN CRITERIA**

**PROJECT INFORMATION** 

#### CITY OF ELK GROVE OWNER:

APPLICANT: AT&T MOBILITY 5001 EXECUTIVE PARKWAY

SAN RAMON, CA 94583 ADJACENT APN#: 116-0011-037

LATITUDE: 38.430469' N LONGITUDE: 121,426500° W

JURISDICTION:

CITY OF ELK GROVE PUBLIC RIGHT-OF-WAY

ZONING: PROPOSED USE:

UNMANNED **TELECOMMUNICATIONS** 

POWER COMPANY:

#### PROJECT DESCRIPTION

THIS IS UNMANNED WIRELESS TELECOMMUNICATION FACILITY FOR AT&T MOBILITY CONSISTING OF THE INSTALLATION AND OPERATION OF AN ANTENNA AND ASSOCIATED EQUIPMENT ON AN (E) STREET LIGHT POLE IN THE PUBLIC RIGHT OF WAY. SCOPE OF WORK & SITE COMPLÉTION CHECKLIST:

- ANTENNA & ASSOCIATED EQUIPMENT BOXES INSTALL A (N) TELECOMMUNICATION ANTENNA & EQUIPMENT BOXES ON AN (E) STREET LIGHT POLE, INSTALLATION CONSISTS OF (1) CYLINDRICAL ANTENNA IN A 10-1/2"0 FIBERGLASS SHROUD WITH A 10-3/4" CAP & (1) 4415 RADIO UNIT AND (1) 4426 RADIO UNIT
- DEPTH OF (E) CAISSON HAS BEEN VERIFIED BY NON-DESTRUCTIVE TESTING BY A TRAINED PROFESSIONAL IF CAISSON IS OF LESSER DIMENSIONS THAT SHOWN ON STRUCTURAL ANALYSIS, IT IS TO BE REPLACED WITH (N) CAISSON FOR TYPE 15 STREET LIGHT POLE PER CALTRANS STANDARD PLANS, LATEST REVISION, SHOWN ON POLE FOUNDATION DETAILS SHEET IN THIS PLAN SET.
- DURABLE PAINT ANTENNA SHROUD, CABLING & RADIO RELAY UNITS TO BE PAINTED TO MATCH (E) STREET LIGHT POLE USING A DURABLE PAINT (E.G. SHERWIN WILLIAMS FRAZEE OR EQUIVALENT),
- CABLING CABLING TO BE INSTALLED IN A TIDY MANNER WITHOUT EXCESS CABLE
- SPACING OF SUPPORT ELEMENTS SUPPORT EQUIPMENT (E.G. RRUS) TO BE CLUSTERED AS CLOSE AS TECHNICALLY FEASIBLE ON POLE.
- LOGO REMOVAL ALL EQUIPMENT LOGOS, OTHER THAN THOSE REQUIRED BY REGULATION (E.G. NODE IDENTIFICATION OR SHUTDOWN SIGNAGE) OR PG&E REGULATIONS SHALL BE PAINTED OVER OR REMOVED. RAISED/DEPRESSED LOGOS/TEXT ON RRUS OR OTHER EQUIPMENT, IF PRESENT, TO BE SANDED OFF OR SIMILARLY REMOVED / FILLED.
- UTILITY LINES PROPOSED UTILITY LINES BETWEEN (E) POINT OF CONNECTION TO BE UNDERGROUND.
- IF A BANNER OR BANNER BRACKETS ARE PRESENT, REMOVE AND REPLACE (E) BRACKETS WITH (N) BREAKAWAY BRACKETS.

|               | SHEET INDEX                |
|---------------|----------------------------|
| SHEET         | DESCRIPTION                |
| T-1           | TITLE SHEET                |
| A-1           | SITE PLAN                  |
| A-2           | ENLARGED SITE PLAN         |
| A-3           | ELEVATIONS                 |
| D-1, D-2, D-3 | EQUIPMENT DETAILS          |
| E-1, E-2      | ELECTRICAL DETAILS         |
| TCP-1         | TRAFFIC CONTROL PLAN NOTES |
| TCP-2         | TRAFFIC CONTROL PLAN       |
|               |                            |







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| CHE      | CKED BY:   |                         |
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|          |            |                         |
|          |            |                         |
|          |            |                         |
|          |            |                         |
|          |            |                         |
| 0        | 12/05/2019 | 100% CD'S FOR SUBMITTAL |
| Α        | 09/12/2019 | 90% CD'S FOR REVIEW     |
| REV      | DATE       | DESCRIPTION             |

LOCATION NO

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

CRAN RSFR SAC01 021

STREET LIGHT ID #:30041

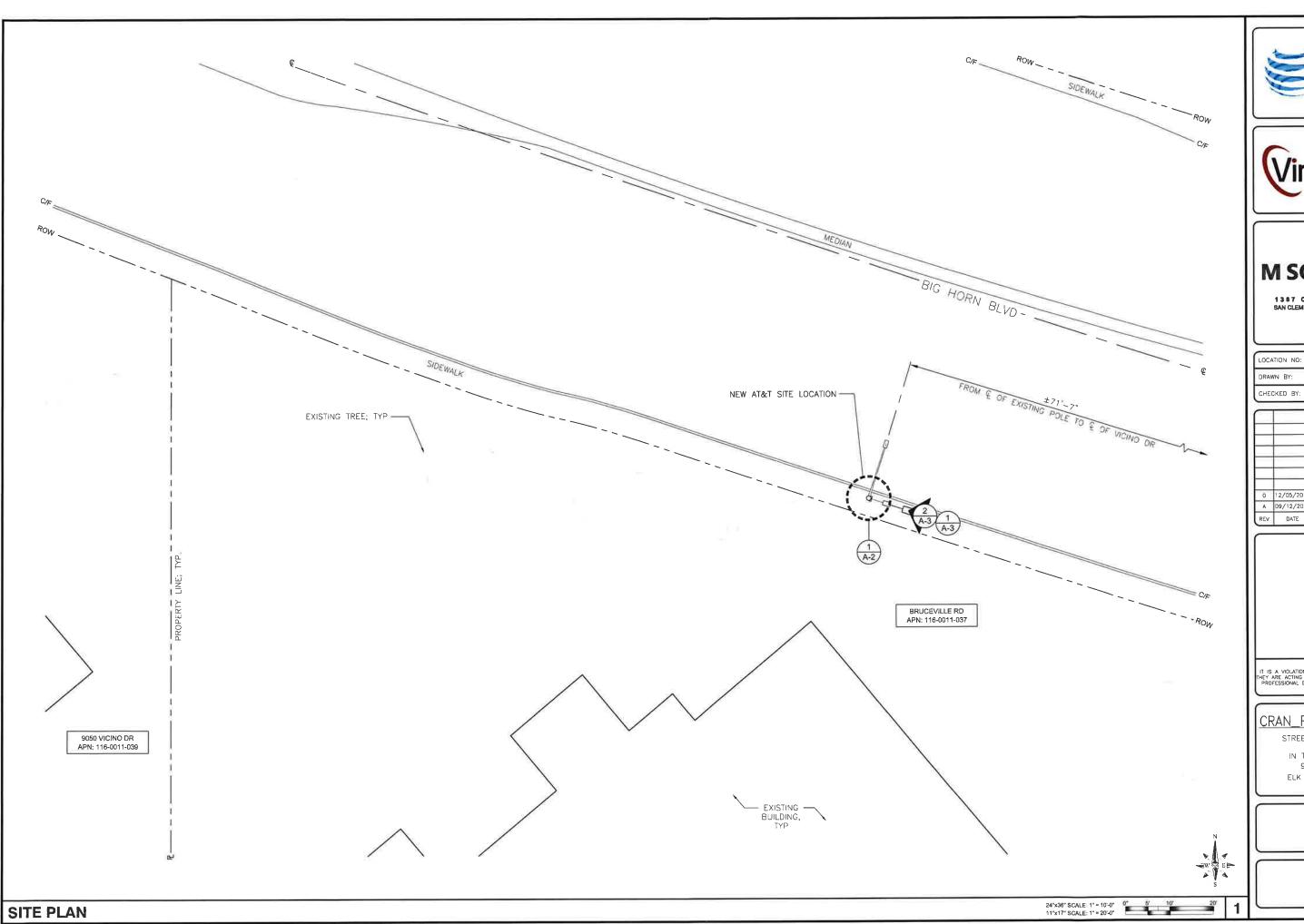
IN THE PUBLIC R.O.W. 9050 VICINO DR ELK GRCVE, CA 95758

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1









14807727

| DRAV     | VN BY:     | EZG                     |
|----------|------------|-------------------------|
| CHE      | CKED BY:   | мм                      |
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| Α        | 09/12/2019 | 90% CD'S FOR REVIEW     |
| REV      | DATE       | DESCRIPTION             |

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

# CRAN\_RSFR\_SAC01\_021

STREET LIGHT ID #:30041

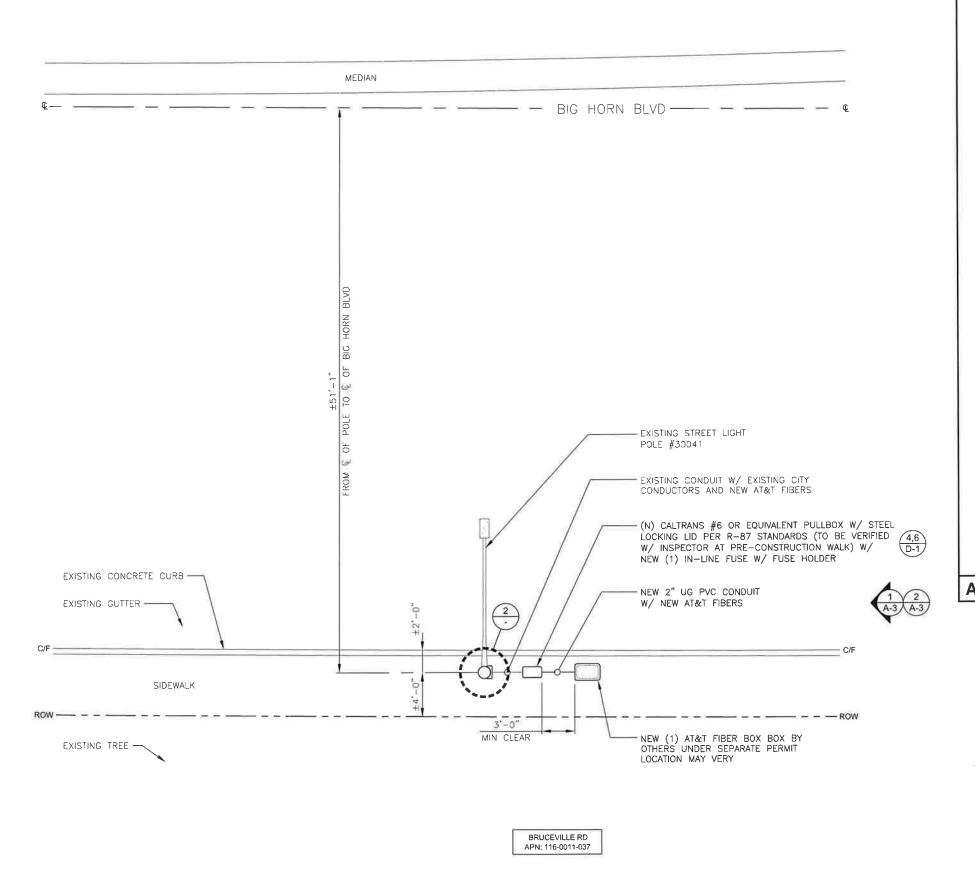
IN THE PUBLIC R.O.W. 9050 VICINO DR ELK GROVE, CA 95758

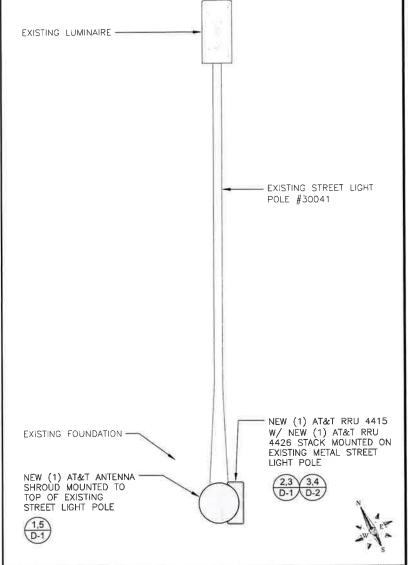
SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1







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

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#### GENERAL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE COSTS INCURRED DURING CONSTRUCTION.
- 2. CONTRACTOR TO CALL DIG ALERT A MINIMUM OF 48 HOURS IN ADVANCE OF EXCAVATION.
- 3. GENERAL CONTRACTOR IS RESPONSIBLE FOR RESTORING CONSTRUCTION AREA TO LIKE EXISTING CONDITION OR BETTER

#### EXISTING UTILITIES NOTE:

1. LOCATIONS OF ALL UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE AND BASED ON RESEARCH OF AVAILABLE RECORDS









14807727

| DRAV          | VN BY:     | EZG                     |
|---------------|------------|-------------------------|
| CHE           | CKED BY:   | ММ                      |
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|               |            |                         |
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|               |            |                         |
| 0             | 12/05/2019 | 100% CD'S FOR SUBMITTAL |
| Α             | 09/12/2019 | 90% CD'S FOR REVIEW     |
| REV           | DATE       | DESCRIPTION             |

LOCATION NO.

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CRAN\_RSFR\_SAC01\_021

STREET LIGHT ID #:30041

IN THE PUBLIC ROW 9050 VICINO DR ELK GROVE, CA 95758

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

**A-2** 

0. 1 11"x17" SCALE 3/16" = 1'-0"



ALL NEW EQUIPMENT TO BE PAINTED TO MATCH EXISTING POLE COLOR USING DURABLE NON-REFLECTIVE PAINT (E.G. SHWERWIN WILLIAMS, FRAZEE OR EQUIVALENT)

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







LOCATION NO DRAWN BY: CHECKED BY:

12/05/2019 100% CD'S FOR SUBMIT A 09/12/2019 90% CD'S FOR REVIEW DATE DESCRIPTION

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

CRAN\_RSFR\_SAC01

STREET LIGHT ID #:3004

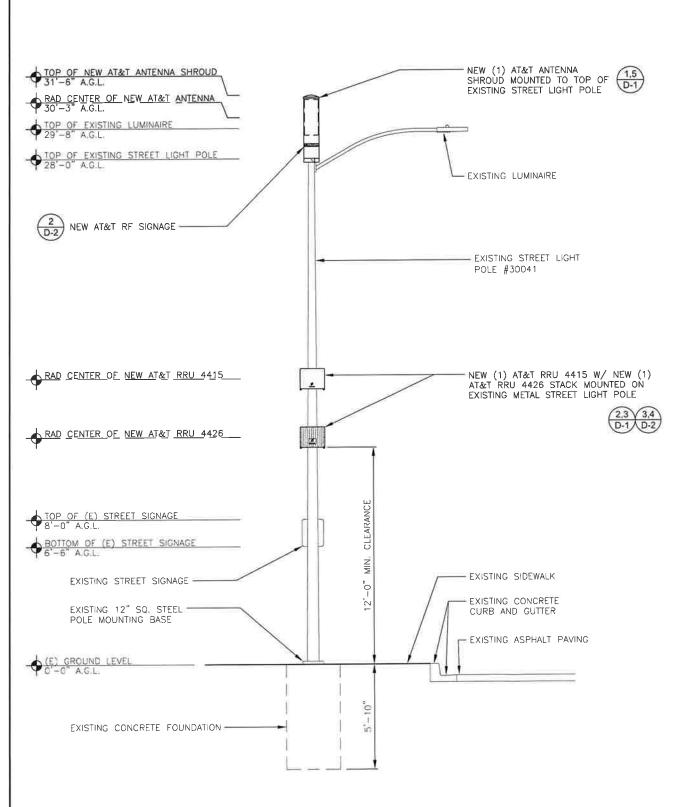
IN THE PUBLIC R.O.W. 9050 VICINO DR ELK GROVE, CA 95758

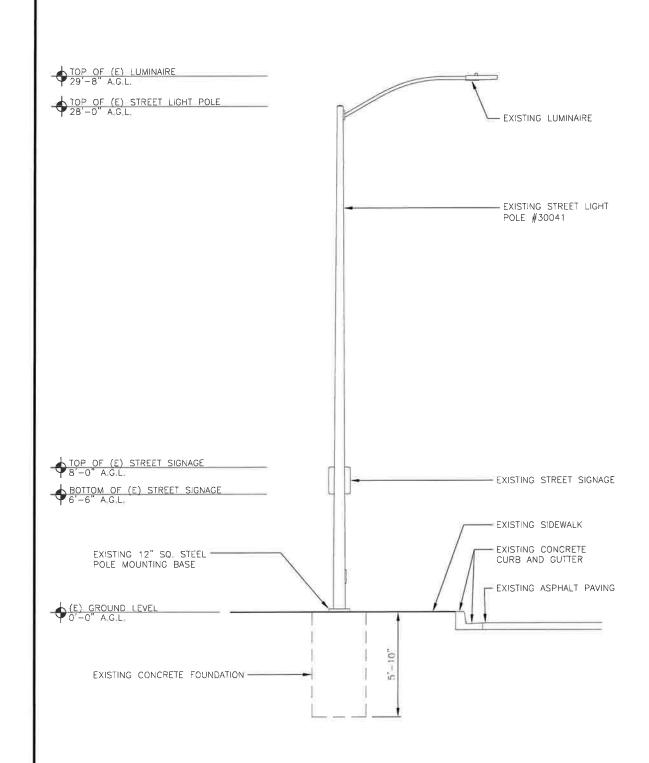
SHEET TITLE

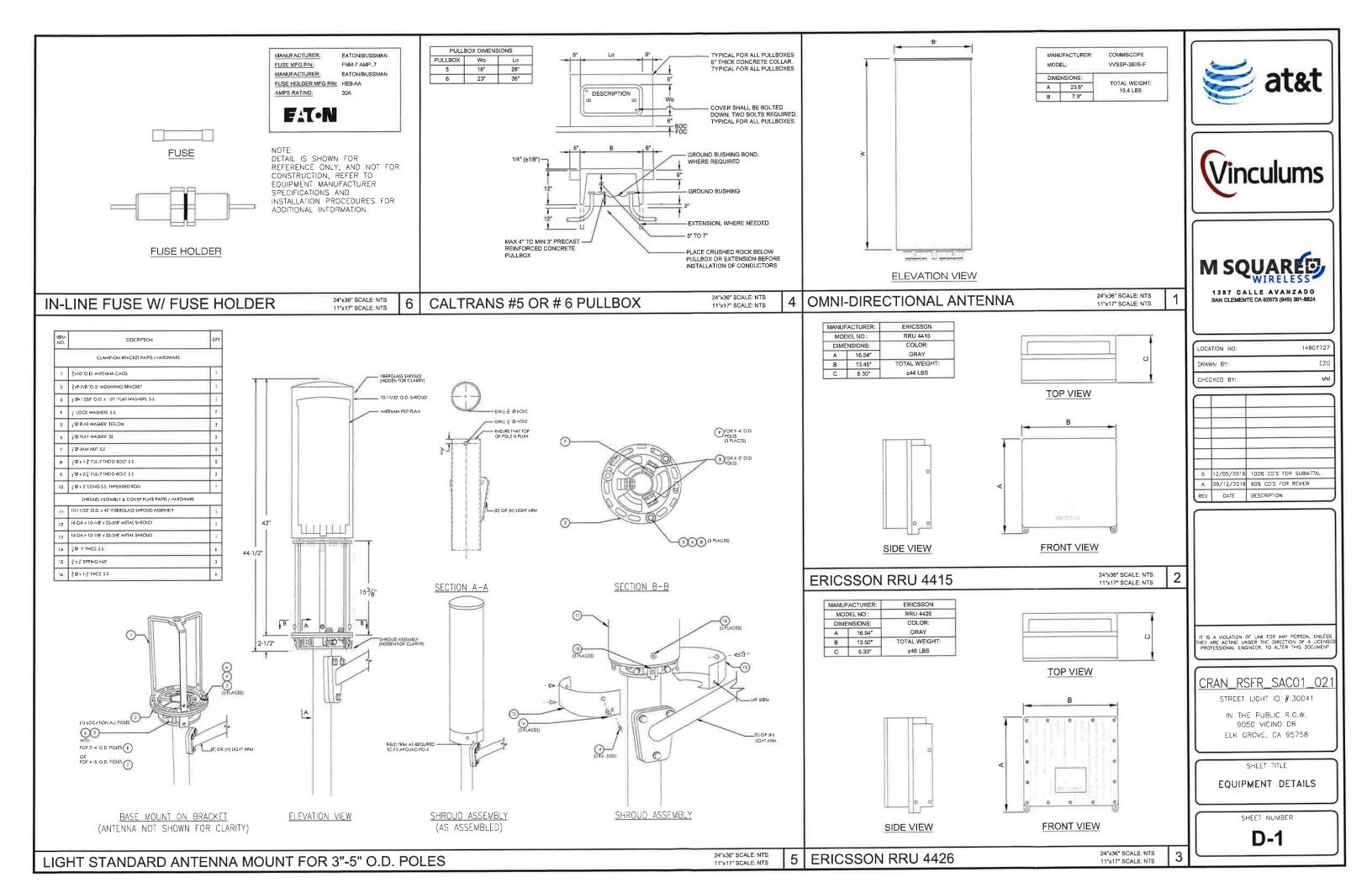
POLE ELEVATIONS

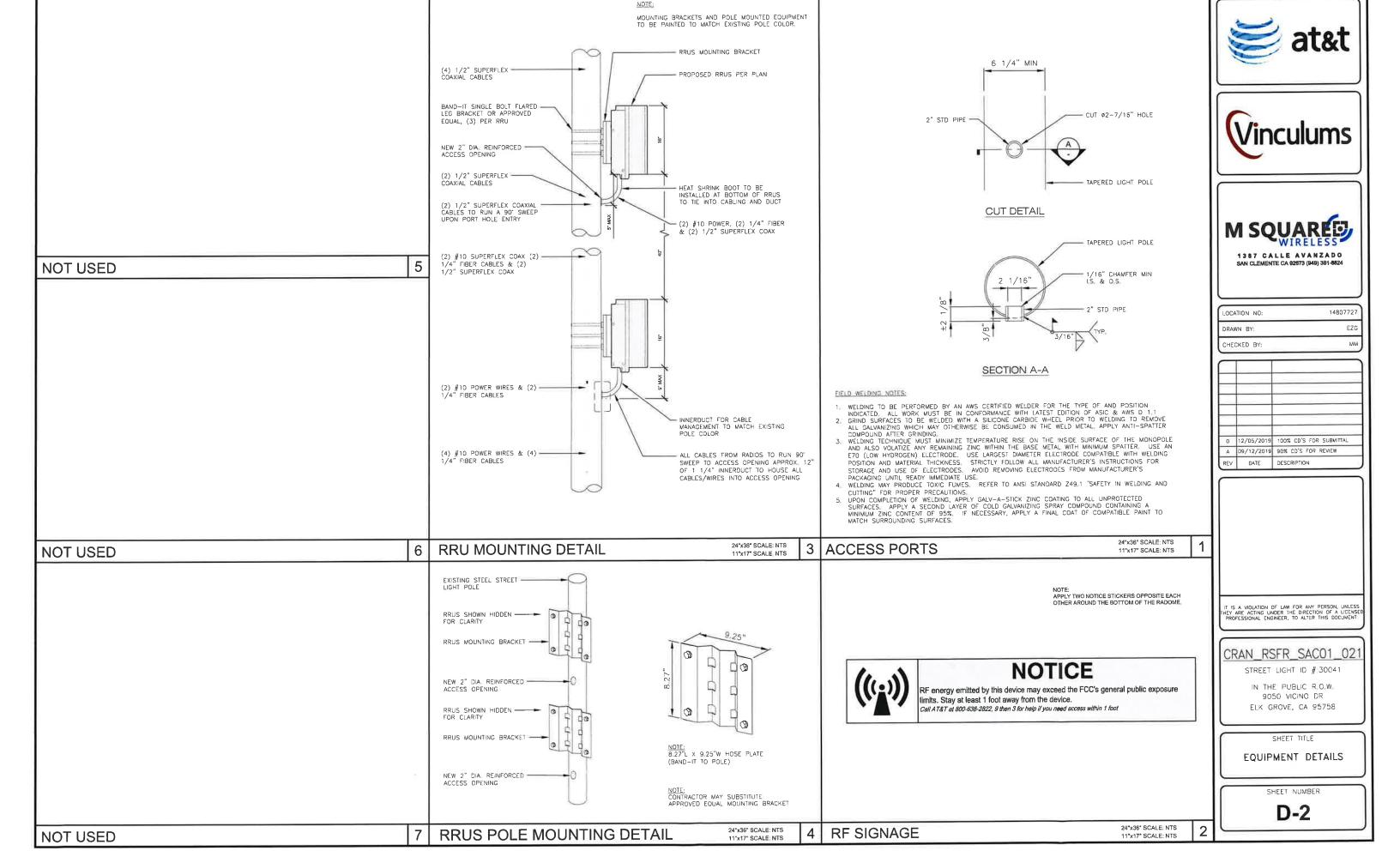
SHEET NUMBER

**A-3** 







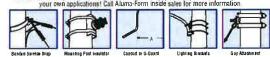






# For Mounting Equipment on Most Steel, Wood, or Concrete Poles

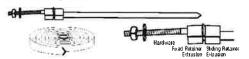
Bolt-A-Band I lets you mount goupment on round, square or irregular shaped poles without drilling holes Bolt-A-Band I leatures a pre-cut, high quality stainless steel band with accompanying installation hardware. Adjusts easily to fit most any size pole. Installs in just minutes with no special tools required. Use if as shown, for equipment mounting… or create your own applications? Call Aluma-Form inside sales for more information.



#### **How to Select Proper Size**

Band Width — Bolt-A-Band <sup>11</sup> is available in <sup>3</sup>4" and 1<sup>1</sup>4" band widths and many lengths for mounting a variety of equipment Generally use <sup>3</sup>4" band for lighter loads (cabinets, telephone drops, U-Guards, co-axial cable, etc.), and 1<sup>1</sup>4" band for high tension loads

Bend Length - Proper length is easily determined by placing equipment to mounted against pole or structure at mounting position. Measure total length needed around structure, add exc (6) inches and round up to next standard length to determine correct length to order installation instructions are always included with each Bolt-A-Band and order.





#### STANDARD LENGTH SINGLE BAND

|    | CATALOG + | WEIGHT/DA | CARTON | HARDWARE | LEMOTH | BAHE |
|----|-----------|-----------|--------|----------|--------|------|
| ē  | BAG JAJU  | 75 76     | 24     | W        | 3.     | 40   |
|    | BAR TALO  | Alto do   | 24     | W-1      | 46     | 37   |
| •  | 846 3V-IP | 45 B)     | 24     | 760      | 48)    | 10   |
| ı  | BAB-354,0 | 50 to     | 24     | 90       | 445    | 47   |
| Ē  | 646-3672  | 98 lb     | 24     | W        | 251    | 167  |
| Ħ. | 84E 3884  | 1 10 lbs  | 24     | 30       | 84     | 45   |
| 9  | 848 5236  | 1.80 (0)  | - 24   | 160      | 36     | 198  |
| 8  | 848 5840  | 1 85 lbs  | 74     | 901      | 40"    | 110  |
|    | BAB 5348  | 1.65 Ds   | 21     | 97       | 48     | 157  |
| •  | 646 5860  | 2 10 Rps  | 24     | 565      | 40     | 196  |
|    | BAR 5872  | 2 36 Ra   | 24     | 167      | 20     | 1167 |
|    | BAE SEE   | 2 20 Rs   | 24     | 4,0      | 44     | 196  |

Stallars Steel Band - In-tensited 95,000 PS I are minimum and of 45 GN PS I furnished in sizes of USC Truckness and walls and 044 trickness and walls and

#### STANDARD 100' LENGTH BANDS

| CATALOG #     | WEST.    | CARTON | HARDWARE | LUNUTH | BANC  |
|---------------|----------|--------|----------|--------|-------|
| -221466-100   | 15 05.6  | ,      | 397      | 1001   | lq"   |
| 1 201 858 106 | 19,00 04 |        | 10.0     | 100    | 11/4" |

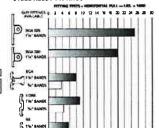


#### STANDARD LENGTH DOUBLE BAND

| CATALO |      | WEIGHT/IA | CARTON | HARDWARE | LEMETH | BAMS |
|--------|------|-----------|--------|----------|--------|------|
| BAB-40 | 35-2 | 3.50 lb   | 24     | 9"       | 36     | 5%*  |
| 848.55 | 180  | 4 (ID ID  | 34     | 95       | 480    | 1.00 |
| 548-50 | 565  | 2.50 m    | 24     | 44       | 945    | 200  |

#### BAND STRENGTH WITH ALUMINUM OR **BANDING STRENGTH TESTS**

#### **MAXIMUM BAND CAPACITY**



# BOLT-A-BAND ALUMA-FORM"



# 88 211 58 7

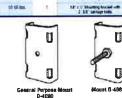
# BANDED GUY ATTACHMENT WITH CLEVIS

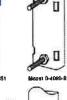
| CKZNLOS e | WEIGHT (CA. | CART DA | BESCHIPTION   |
|-----------|-------------|---------|---|
| BGA-1(K)  | 1.50 lbs    | 24      | Banger (Ady<br>Bandro Log Actorization<br>mill: Clinics |
| EGA-SVe   | 2.60 lbs.   | 24      | Renorm Guy Altertured<br>urth Citors                    |
| BGA 525   | 4 259 lbs   | 7,0     | Bended Son Allestowers<br>arth Chen                     |







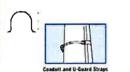




Randed Cable Tie Relation

| CONDU | IIT | AND | U- | GUARD | STI | RAPS |
|-------|-----|-----|----|-------|-----|------|
|       |     |     |    |       |     | ATD  |

|          | WHIGHT AL STD. |        | - 3 | )W   |       |
|----------|----------------|--------|-----|------|-------|
| ORNERO A | ALCHMIT VET    | CARTON | FOR | A    | -     |
| 687      | 07 lbs         | 24     | 10  | 1519 | 190   |
| H312     | .11 ffm        | 24     | Z   | 2.5  | 246   |
| 851-3    | .15 ibi        | 28     | 3   | J' . | 10    |
| 8674     | 17 Hz.         | 74     |     | 25.7 | 446   |
| 057.5    | 23 ths         | 24     | 5   | 50 / | 5'/N' |
| BST C    | 27 ths         | 74     | 6'  | 633  | 64    |





Aluminum Randware Extrusions – 5041. The Aluminum Affer This along conforms to ASTM 9-221. A minimum steade directly 56-000 PS 1-and menimum yield allewight of 55-000 PS 1:

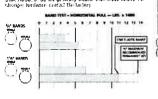
#### BUCKLES FOR 100' BANDS

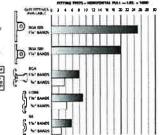
| CATALOG . | WEIGHT  | CARTON |
|-----------|---------|--------|
| DAD 30    | 5 (0)   | 24     |
| BAR 58    | 1.25 No | 74     |

| 1 | SHITD CEN | uiti Dood | FF PAIR |          |   |
|---|-----------|-----------|---------|----------|---|
|   | CATALOG # | WEIGHT/EA | CARON   | HARDWARE | L |

| CATALOG #  | WEIGHT/NA | CARTON | HARDWARE | LEMETH | BAMS |
|------------|-----------|--------|----------|--------|------|
| BAB-4037-2 | 3.50 lb   | 24     | 9"       | 36     | 5%*  |
| BAK SALES  | 4 (00 H)  | 34     | 95       | 480    | 100  |
| E4E-50563  | 2.50 to   | 24     | 4        | 945    | 200  |

Despitedly were conducted with user, of languisted filtrings to illustrate the reasonable recommended licetage, of the standers steel bands. Aftermined aboy filtrings such as the BGA, ILDBC, or BD are generally weaker than these values. For change, thereferse conduct the banders.





# **BOLT-A-BAND**

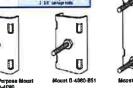
#### ALUMA-FORM'

GENERAL PURPOSE MOUNT

| CN23TOO 4 | WEXCHIT ACA. | CARTOR : | SENCRPTION  |
|-----------|--------------|----------|---|
| FAD M     | die in       | 50       | Baroka Service Drug<br>Martines analysis had 1,880 Se |

| NDEO | CABLE     | TIE RETAIN | ER      |   |
|------|-----------|------------|---------|---|
|      | CASTION 9 | WENNIT SA. | cliffon | одисиятия   |
|      | CIR       | ,016 tim   | 10)     | Sported (Lable To Halperer per que<br>trigo ellim 54° de \$40° (Baral |





| IRMER I   | MOUNTING   | BRACKE | T                                   |
|-----------|------------|--------|-------------------------------------|
| CADALOS # | WEART FEAL | CANTON | DESCRIPTION                         |
| A MILES   | 93 lbs     | 5      | After destate the ST or ST to price |







|     | LOCATION NO: | 14807727 |
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|     | DRAWN BY:    | EZG      |
|     | CHECKED BY:  | мм       |
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| Α    | 09/12/2019 | 90% CD'S FOR REVIEW     |
| REV  | DATE       | DESCRIPTION             |

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# CRAN\_RSFR\_SAC01\_021

STREET LIGHT ID #:30041

IN THE PUBLIC R.C.W. 9050 VICINO DR ELK GROVE, CA 95758

SHEET TITLE

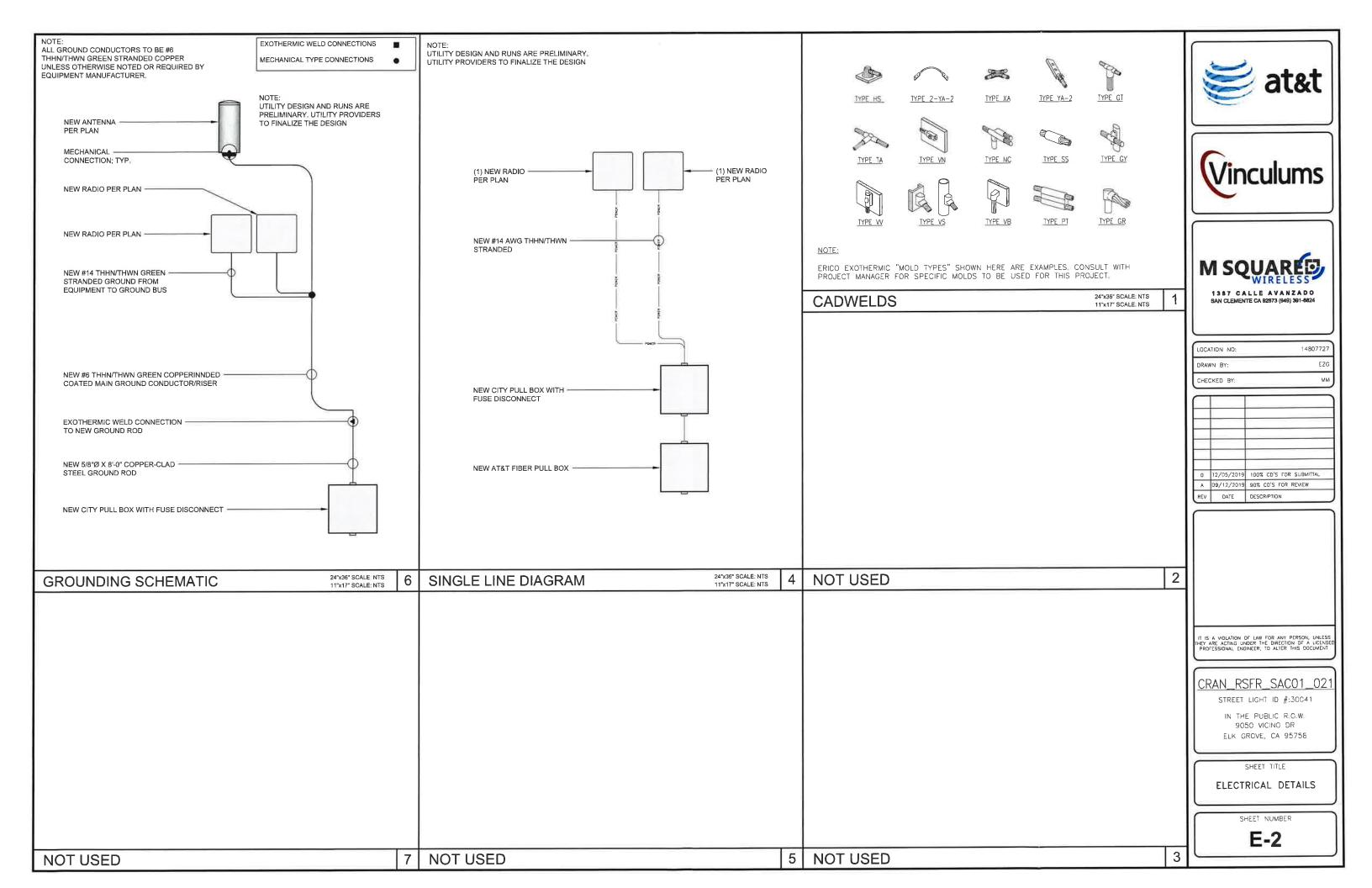
BOLT-A-BAND DETAIL

SHEET NUMBER

**D-3** 

24"x36" SCALE: NTS **BOLT-A-BAND DETAIL** 

#### Typical Streetlight Pico/Micro Site UNDERGROUND ELECTRIC SERVICE NOTES: Location of Wireless Meter when used UL APPROVED SCHEDULE 40 OR BO PVC, SCHEDULE 40 PVC SHALL NOT BE USED IF THE CONDUIT IS LOCATED SO THAT IT IS SUBJECT TO PHYSICAL DAMAGE. TO AVOID CABLE INSULATION DAMAGE, THE END OF THE CONDUIT SHALL BE PROVIDED WITH A SUITABLE TERMINATION FITTING SUCH AS A BUSHING, NIPPLE, END BELL, OR CABLE PROTECTOR, ETC. NOTE: CONDUITS SHALL NOT PASS UNDER OR THROUGH ONE BUILDING TO SUPPLY ADJACENT BUILDINGS. Antenna inside -Radome Shroud Street Light on PG&E LS-2 Rate PRIOR TO CABLE INSTALLATION, PROVE ALL CONDUITS FREE AND CLEAR BY MEANS OF A MANDREL OR OTHER METHOD ACCEPTABLE TO PG&E. A PG&E-APPROVED POLYESTER, FLAT PULLING TAPE, WHITE WITH SEQUENTIAL FOOTAGE MARKINGS EVERY FOOT, AND 2,500-POUND MINIMUM TENSILE STRENGTH (CODE 560154), SHALL BE INSTALLED IN ALL CONDUITS AND ATTACHED TO AN END CAP. PG&E WILL FURNISH AND INSTALL THE UNDERGROUND SERVICE CONDUCTORS AND MAKE CONNECTIONS IN THE APPLICANT'S SERVICE TERMINATION ENCLOSURE WHEN THE INTRUSION OF WATER CAN REASONABLY BE EXPECTED, THE FOLLOWING ACTIONS ARE REQUIRED: ACTIONS ARE REQUIRED: 1) PG&E IS RESPONSIBLE FOR SEALING THE CONDUIT AT THE METER TERMINATION FACILITIES AS SHOWN IN DOCUMENT 062288, IF THE METER TERMINATION FACILITIES ARE SIGNIFICANTLY LOWER THAN THE SOURCE SIDE FACILITIES, THEN THE CONDUIT SHOULD BE SEALED AT BOTH ENDS, THE RAYFLATE DUCT SEALING SYSTEM (RDSS) CONDUIT SEALING SYSTEM CAN BE ORDERED FOR THIS PURPOSE, SEE DOCUMENT 1387 CALLE AVANZADO 5 **NOT USED** SAN CLEMENTE CA 92873 (949) 391-8824 Customer 2) THE APPLICANT IS RESPONSIBLE FOR PROVIDING A MEANS TO PREVENT THE ACCUMULATION OF EXCESS WATER OR WATER PRESSURE IN THE SERVICE CONDUIT SYSTEM, THIS IS ACCOMPLISHED BY INSTALLING A SPLICE BOX AT THE BASE OF TH RISER TO THE METER PANEL, OR AT A MAXIMUM OF 6 FEET AWAY TO THE METER PANEL ALONG THE SERVICE RUN. Communication Equipment LOCATION NO: 14807727 UNDERGROUND CONDUIT SHOULD INCLUDE: EZG DRAWN BY: 1. STREETLICHT (2) #10 POWER AND 1 #10 GROUND 2 NODE (2) #10 AND (1) #8 GROUND 3 (2) FIBER OPTIC JUMPERS (RE: A-2, FOR мм CHECKED BY: Disconnect When Required → MAIN SERVICE PANEL RATING AT&T WIRE PULL BOX LOCATION) CONDUIT SIZE NEUTRAL (AMPS) 100 1'-3" 1-1/0 NA CONDUIT DIAMETER VERTICAL RADIUS 2-Wire 120 V 0 12/05/2019 100% CD'S FOR SUBMITTAL 36" N36 Box -Customer Owned Service A 09/12/2019 90% CD'S FOR REVIEW Customer Splice Box REV DATE DESCRIPTION Figure 1 – Customer Owned (Non-PG&E) Steel Streetlight Pole with Antenna and Communication Equipment 24"x36" SCALE: NTS 24"x36" SCALE, NTS 11"x17" SCALE: NTS 6 **ELECTRICAL SERVICE NOTES** 3 STREETLIGHT POLE **NOT USED** IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS HEY ARE ACTING UNDER THE DIRECTION OF A LICENSET PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT CRAN\_RSFR\_SAC01\_021 STREET LIGHT ID #:30041 IN THE PUBLIC R.C.W. 9050 VICINO DR ELK GROVE, CA 95758 SHEET TITLE ELECTRICAL DETAILS SHEET NUMBER E-1 7 NOT USED 4 NOT USED **NOT USED**



#### MUTCD REFERENCE GUIDE:

- 1. NOTHING ALLOWED IN THE BUFFER AND TRANSITION AREAS AT ALL TIMES.
- 2. SIGNS ARE ONLY SHOWING TO THE PUBLIC WHEN IN USE,
- 3, SIGNS AND CHANNELIZING DEVICES MUST BE RETROREFLECTIVE OR ILLUMINATED DURING NIGHT OPERATIONS,
- 4. SIGN PANEL SIZES 36"X36" MIN. ON ROADS <50MPH, 48"X48" ON ROADS >50MPH,
- 5. SIGNS ARE SPACED PER THE CA 2014 MUTCD (REVISION 2) MANUAL.
- 6. CHANNELIZING DEVICES SPACING AND TAPER LENGTHS ARE BASED ON THEIR RESPECTIVE CHARTS.
- 7. NOTIFY THE LOCAL LAW ENFORCEMENT, FIRE AND AMBULANCE COMPANIES WITHIN 72 HOURS BEFORE CONSTRUCTION BEGINS.
- 8. CONTRACTOR TO MAKE SURE ALL TRAFFIC CONTROL EQUIPMENT MEETS ALL AGENCY REQUIREMENTS.
- 9. REMOVE ALL CONFLICTING MARKINGS FOR LONG TERMS OPERATIONS (3 DAYS OR LONGER).
- 10. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATIONS OF STREET INTERSECTIONS AND 85% TILE POSTED SPEED LIMITS.
- 11. WHILE CROSSING INTERSECTIONS DURING MOBILE WORK, WORK MUST FOLLOW THE FLOW OF TRAFFIC AND PROCEED ON A GREEN LIGHT.
- 12. FULL COMPLIANCE IS REQUIRED WITH THE CITY AGENCY.
- 13. PEDESTRIAN ACCESS MUST BE MAINTAINED AS PER THE CA 2014 MUTCD (REVISION 2) STANDARDS AND ADA REQUIREMENTS.
- 14. C30 SIGNS ARE PERMITTED IN BUFFER AREAS.
- 15. SIGN SPACING IS PROVIDED IN THE CA MUTCD 2014 EDITION (REVISION 2), PART 6. TRAFFIC SPEEDS ARE BASED UPON RADAR MEASUREMENTS OF MOTORISTS. THE MUTCD ALLOWS FOR A "RANGE" IN SIGN PLACEMENT AND WILL BE PROVIDED BY DOT, THE 85% TILE IS USED WHEN AVAILABLE TO PROVIDE A MORE ACCURATE PRESENTATION OF MOTORISTS SPEEDS.
- 16. ANY WORK WITHIN 200FT OF A SIGNALIZED INTERSECTION WILL REQUIRE CONTACT AND COORDINATION WITH CITY AGENCY PRIOR TO ANY WORK.
- 17. QUALITY STANDARDS TO MEET REQUIREMENTS OF SECTION 1A-2 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 18. ALL TRAFFIC CONTROL DEVICES INCLUDING: SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROWBOARDS, CHANCEABLE MESSAGE SIGNS, CONES AND TUBULAR MARKERS THAT MEET THE REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), CA MUTCD 2014 (REVISION 2) SHALL BE USED ON THIS PROJECT/THIS WORK
- 19, THE NCHRP REPORT 476 PROVIDES GUIDELINES FOR DESIGN AND OPERATION OF NIGHTTIME TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE AND CONSTRUCTION, SEE TYPICAL APPLICATIONS NWTA-1 THROUGH NWTA-7, COMPLY WITH ANSI 107-2004 FOR APPAREL HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CONSTRUCTION SAFETY ORDER 1523
- 20. SIDEWALKS AT THE CONSTRUCTION LOCATION MAY BE CLOSED WITH ADEQUATE DETOURS, SIDEWALKS MAY ONLY BE CLOSED TO THROUGH TRAFFIC AND SHALL NOT PREVENT LOCAL PEDESTRIANS ACCESS. DETOURS SHALL NOT INCREASE THE PATH OF TRAVEL BY MORE THAN 500FT. DETOUR ROUTES SHALL BE LIMITED TO EXISTING SIDEWALKS, PRIVATE PROPERTIES (SEE BELOW REQUIREMENTS) AND CROSSINGS AT ROADWAY INTERSECTIONS. TO THE MAXIMUM EXTENT FEASIBLE, THE ALTERNATE CIRCULATION PATH SHALL BE PROVIDED ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE. WHERE IT IS FEASIBLE TO PROVIDE A SAME—SIDE ALTERNATE CIRCULATION PATH AND PEDESTRIANS WILL BE DETOURED, SECTION 60.02 OF THE CA 2014 MUTCD (REVISION 2) SPECIFIES THAT THE ALTERNATE PATH PROVIDE A SIMILAR LEVEL OF ACCESSIBILITY TO THEAT OF THE EXISTING DISRUPTED ROUTE. THIS MAY INCLUDE THE INCORPORATION OF ACCESSIBLE PEDESTRIAN SIGNS (APS), CURB RAMPS, OR OTHERS ACCESSIBILITY FEATURES.
- 21. PEDESTRIANS MAY BE DETOURED ONTO PRIVATE PROPERTY ONLY IF WRITTEN PERMISSION FROM THE PROPERTY WONDER IS OBTAINED ALONG WITH DOCUMENTATION INDICATING THAT THE CITY WOULD NOT BE LIABLE (HOLD HARMLESS) IN THE EVENT OF AN ACCIDENT.
- 22. DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED THE RESPONSIBILITY TO ESCORT ELDERLY, DISABLED OR ANY OTHER PEDESTRIANS IN NEED OF ASSISTANCE THROUGH THE CONSTRUCTION SITE. A WORKER ASSIGNED WITH THIS RESPONSIBILITY MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES; HOWEVER, THE ASSIGNED WORKER SHALL BE AWARE OF HIS OR HERS RESPONSIBILITIES FOR PROVIDING THIS ASSISTANCE, MEASURES THAT SIMPLY CLOSE THE SIDEWALK, WITH THE EXCEPTION THAT PEDESTRIANS WILL CROSS SOMEWHERE ELSE DOES NOT ADEQUATELY SATISFY PEDESTRIAN ACCESS, PEDESTRIANS SHOULD NEVER BE DIRECTED/EXPECTED TO CROSS A MULTILANE ROADWAY AT ANY LOCATION CTHER THAN AT A SIGNAL (OR ALL-WAY STOP), ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF ROADWAY AS WORK.

#### TRAFFIC CONTROL NOTES:

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK ON A PUBLIC STREET TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, AS WELL AS 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 PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- 2. ALL DELINEATORS SHALL BE EQUIPPED WITH REFLECTORS AT NIGHT TIME.
- 3. THE CONTRACTOR SHALL NOTIFY THE CITY/COUNTY OF RECORD AND CALTRANS PERMIT INSPECTOR AT LEAST FIVE WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION DETOUR.
- 4. ALL SIGNS, DELINEATORS, BARRICADES, ETC. AND THEIR INSTALLATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND THE MUTCD CALIFORNIA SUPPLEMENT, STATE OF CALIFORNIA STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STAMPED PLANS.
- 5. THE CITY/COUNTY OF RECORD AND CALTRANS RESERVE THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE AND TO MAKE ANY NECESSARY CHANGES AS FIELD CONDITIONS WARRANT, ANY CHANGES SHALL SUPERSEDE THESE PLANS, EXACT LOCATION OF ALL EQUIPMENT AND TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
- 6. ALL TRAFFIC CONTROL DEVICES, STRIPES, MARKINGS, LEGENDS AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE MUTCD AND THE CALIFORNIA SUPPLEMENT (LATEST EDITION), THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (LATEST EDITION), SPECIAL PROVISIONS, AND STAMPED PLANS.
- 7. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.
- B. ALL TRAFFIC LANES SHALL HAVE A MINIMUM OF 5 FEET CLEARANCE FROM OPEN EXCAVATIONS AND A MINIMUM OF 2 FEET FROM VERTICAL OBSTRUCTIONS.
- 9. CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY THE CITY/COUNTY INSPECTOR OR CALTRANS PERMIT INSPECTOR.
- 10. ALL ADVANCE WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.
- 11. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES, SIGNAL OPERATION DURING EACH
  CONSTRUCTION PHASE SHALL BE COORDINATED WITH AND APPROVED BY THE CITY/COUNTY OF RECORD
  AND/OR CALTRANS INSPECTOR
- 12. PLACE ADDITIONAL "LANE CLOSED", (C30) SIGNS ON TYPE II BARRICADES AT 100 FOOT INTERVALS
  THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED. INSTALL "OPEN TRENCH" (C27)
  SIGNS WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY.
- 13: 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 PROJECT.
- 14. CONTRACTOR SHALL REPLACE/REPAIR ALL DAMAGED STRIPING AT THE END OF EACH WORKING DAY.
- 15. 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, SIDEWALK CLOSURE/DETOUR SHALL COMPLY WITH THE WATCH STANDARDS AND MUST OBTAIN APPROVAL FROM THE CITY/COUNTY OF RECORD.
- 16 CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
- 17. CONTRACTOR SHALL POST "SYMBOL" UNEVEN LANES, "STEEL PLATES AHEAD" OR "BUMP" SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF 1/2" OR GREATER PAVEMENT DISRUPTIONS FOR 1" OR GREATER SHALL HAVE A BEVELED EDGE OF FOUR (4) HORIZONTAL TO ONE (1) VERTICAL.
- 18, CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES AHEAD" AND/OR "ROUGH ROAD" SIGNS IN ADVANCE OF STEEL PLATE BRIDGING.
- 19. CONTRACTOR SHALL VERIFY ALL NECESSARY EQUIPMENT NEEDED FOR OVERHEAD CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION.
- 20. WORK HOURS SHALL COMPLY WITH CITY OF ELK GROVE CONSTRUCTION CODE AND SCC CHAPTER 10,16 TRAFFIC CONTROL DEVICES.
- 21. RESIDENTS TO BE NOTIFIED OF DATES AND TIMES OF CONSTRUCTIONS TWO (2) WEEKS PRIOR TO THE START OF WORK.
- 22. A 5'-0" MIN. PEDESTRIAN CLEARANCE TO BE MAINTAINED AT EXISTING SIDEWALKS.
- 23. POSTED SPEED 40 MPH ON BIG HORN BLVD

| Posted Speed | Formula               | Buffer Space | Minimum<br>Taper Lengths |      |       |      |      |       |      |        |       |                          |     |              |              |
|--------------|-----------------------|--------------|--------------------------|------|-------|------|------|-------|------|--------|-------|--------------------------|-----|--------------|--------------|
|              |                       |              |                          |      |       |      |      |       |      |        |       | Maximum<br>*Cone Spacing |     | Sign Spacing | LIDG<br>(Ft) |
|              |                       |              | L                        | ½ L  | 1/3 L | L    | ½ L  | 1/3 L | L    | ½ L    | 1/3 L |                          |     | $\triangle$  |              |
| 25           |                       | 155'         | 104                      | 52'  | 35'   | 115' | 57'  | 38'   | 125' | 63'    | 42'   | 25'                      | 13' | 100' To 200' | 94"          |
| 30           | $L = \frac{WS^2}{60}$ | 200'         | 150'                     | 75'  | 50'   | 165' | 83'  | 55'   | 180' | 90'    | 60'   | 30'                      | 15' | 120' To 250' | 113'         |
| 35           |                       | 250'         | 204'                     | 102' | 68'   | 225' | 112' | 75'   | 245' | 123'   | 82'   | 35'                      | 18' | 140' To 280' | 131'         |
| 40           |                       | 305'         | 267'                     | 133' | 89'   | 293' | 147' | 98'   | 320' | 160'   | 107'  | 40'                      | 20' | 160' To 320' | 150'         |
| 45           | L = WS                | 360'         | 450'                     | 225' | 150'  | 495' | 248' | 165'  | 540' | 270'   | 180'  | 45'                      | 23' | 360' To 540' | 169'         |
| 50           |                       | 425'         | 500'                     | 250' | 167'  | 550' | 275' | 183'  | 600' | 300'   | 200'  | 50'                      | 25' | 400' To 600' | 197'         |
| 55           |                       | 495'         | 550'                     | 275' | 183'  | 605' | 303' | 202'  | 660' | : 330' | 220'  | 50'                      | 28' | 440' To 660' | 210"         |
| 60           |                       | 570'         | 600'                     | 300' | 200'  | 660' | 330, | 220'  | 720  | 360'   | 240'  | 50'                      | 30' | 480' To 720' | 225'         |
| 65           |                       | 645'         | 650'                     | 325° | 217'  | 715' | 358' | 238'  | 780' | 390'   | 260'  | 50'                      | 33' | 520' To 700' | 244'         |
| 70           |                       | 730'         | 700'                     | 350' | 233'  | 770' | 385' | 257'  | 840' | 420'   | 280'  | 50'                      | 35' | 560' To 820' | 263'         |







| 727 | 148077                  | LOCATION NO:  DRAWN BY:  CHECKED BY: |     |  |  |  |  |
|-----|-------------------------|--------------------------------------|-----|--|--|--|--|
| EZG | E                       |                                      |     |  |  |  |  |
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|     | 100% CD'S FOR SUBMITTAL | 12/05/2019                           | 0   |  |  |  |  |
|     | 90% CD'S FOR REVIEW     | 09/12/2019                           | Α   |  |  |  |  |
|     | DESCRIPTION             | DATE                                 | REV |  |  |  |  |

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CRAN\_RSFR\_SAC01\_021

STREET LIGHT ID #:30041

IN THE PUBLIC R.O.W. 9050 VICINO DR ELK GROVE, CA 95758

SHEET TITLE

TRAFFIC CONTROL PLAN NOTES

SHEET NUMBER

TCP-1

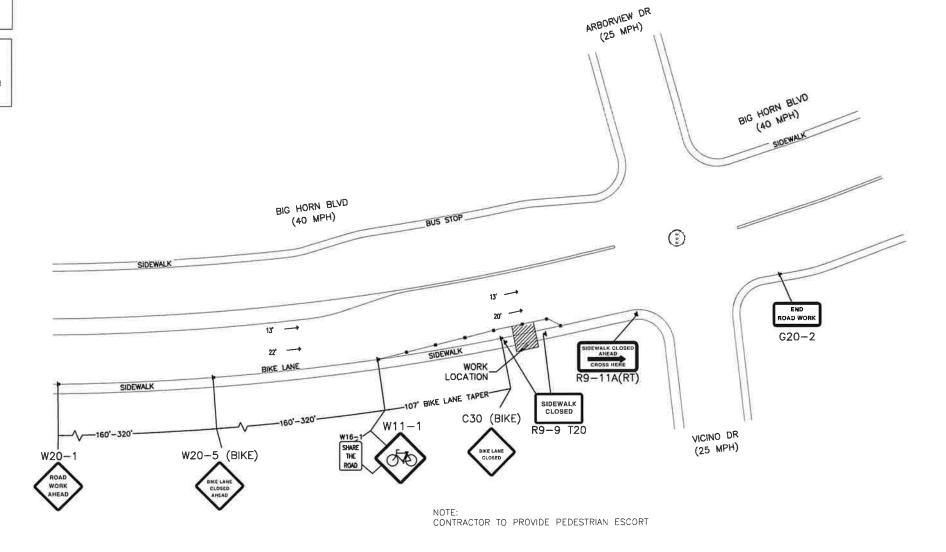
NOTE:
ALL TRAFFIC CONTROL SHALL COMPLY WITH ALL CITY
OF ELK GROVE REQUIREMENTS, SEE ATTACHED
MUTCD REFERENCE GUIDE FOR INFORMATION ON SIGN SPACING, LOCATION, OF CONSTRUCTION SIGNAGE, FLAGGERS, AND CHANNELING DEVICES.

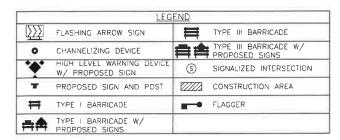
ALLOWABLE WORKING HOURS M-F: 8:30AM - 3:30PM SAT: 7:00AM - 5:00PM

MAINTAIN ACCESS TO R/T BUS STOPS OR COORDINATE WITH R/T TO RELOCATE BUS STOP LOCATIONS, CONTRACTOR SHALL COORDINATE THE BUS STOP WITH R/T REPRESENTATIVE (916) 321-2800

\*POST TEMPORARY NO PARKING SIGN ON TYPE BARRICADE 72 HRS IN ADVANCED

TRAFFIC CONTROL TO BE ARRANGED 72 HOURS IN ADVANCE OF CONSTRUCTION













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| t   | 0   | 12/05/2019 | 100% CD'S FOR SUBMITTAL |
| Г   | Α   | 09/12/2019 | 90% CD'S FOR REVIEW     |
| F   | REV | DATE       | DESCRIPTION             |

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CRAN RSFR\_SAC01\_021

STREET LIGHT ID #:30041

IN THE PUBLIC R.C.W. 9050 VICINO DR ELK GROVE, CA 95758

SHEET TITLE

TRAFFIC CONTROL PLAN

SHEET NUMBER

TCP-2