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



Date of Request:
Approximate Date Service Connection is Needed:
START X DISCONNECT TRANSFER OF SERVICE OTHER
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 9921 TSP Tax ID: Contact Person and Number: Engie Insight (866) 322-4547
Point of Connection (POC): City Service#: 1400
SMUD POC to City Conductor:

 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 #:
Address: In-ground Box 5' Behind City Service
Description: North side of Laguna Blvd, 95 feet from the centerline; 165 feet East from the centerline of Franklin Blvd

2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD83:0402, 6719988.227ftUSE 1916509.412ftUSN

NAD83:0402, 6719988.227πUSE 1916509.412πUSN Decimal: 38.423436, -121.447378

3. 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-28918

Location of TSP Devices on City Street lights:

 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: 5001 Laguna Blvd
Description: South 70 Feet from the centerline of Laguna Blvd; 180 Feet East from the centerline of Franklin Blvd

- 2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD 83: Zone 0402, 6720002,411ftUSE 1916485.462ftUSN Decimal: 38.42337, -121.447329
- 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 6719981.013ftUSE 1916470.764ftUSN Decimal: 38.423330, -121.447404
- 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) and 1 antenna

Make and Model of Devices:

Ericsson RRU 4415, Ericsson RRU 4426, PSU AC 08, JPAK-1M-600-04LS-2.5

Maximum Nameplate AC Wattage of each Device:

Ericsson RRU 4415 = 1100W, Ericsson RRU 4426 = 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:									
Location Address:	5001 Laguna Blvd	5001 Laguna Blvd.							
Pole Coordinates:	38.42337, -121.44	17329	City Service Co	ordinates:	38.423330, -121.447404				
Node Number:	SAC01_022								
Street Light Pole Number:	SLT-28918 (MA-LED)								
City Service Address:	5001 Laguna Blvd								
SMUD Point of Connect:	Inground Box 5' B	ehind City Service	38.423436, -121	L.447378					
City Service Number:	1400								
RF Config:	MICRO	Radio Load:	2200W	Future	Radio Load:				
Circuit Breaker:	Position #1, Lighting 2; 30 AMP								
Voltage:	⊠ 120 V □ 240 V □ 277 V □ 480 V								
Stumber of Friedrice London	MA-LED:	1 (	ORN-LED:		PT-LED:				
Number of Existing Loads:	MA-HPS:		ORN-HPS:		PT-HPS:				
Description of Existing Loads (Street Lig	nt Numbers):				Luteljuh dierri				
28918									

Total Exist	ting Loads:	F (200)	Recircuiting Required:				
1	MA-LED X 110 W	110 W	☐ Yes ⊠ No				
	MA-HPS X 200 W	w	Existing Cl	Existing Circuit Breaker 3		MPS	
	ORN-LED X 110 W	w	Percentage Overcurrent Pro	Percentage Overcurrent Protection Used		64%	
	ORN-HPS X 100 W	w	Difficulty Level:	y Level: 1			
	PT-LED X 110 W	w	1. No Constructability Issues	2. Difficu	ılt	3. Very Difficult	
	PT-HPS X 100 W	w					
	Radio Load	2200 W	Pass or Fail:		Pas:	ss 🗆 Fail	
	New Load Total (RP):	2310 W	Notes;	T. F. S. T.		J	
	Total Load on Circuit:	2.89 KVA	*Per NEC Regulation, the Rea	ıl Power (RP) w	rill not e	exceed 80% of the	
**	Minimum Circuit Overcurrent Protection Required:	24.06 AMP	Overcurrent Protection.				
	Radio Load Pico kWh/Yr.:	19,272					

Street L	ight No.	G	PS	1	ight Typ	e	Comments
Site Pole	Others	Latitude	Longitude	Lamp Post	Post Top	Mast Arm	(LED, HPS, SIGNAL, COBRA, ETC.)
28918		38.42337	-121.447329			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\_022. 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 Power (Watts)	Max Current (Amps)	KVA	KWh/Yr
PSU AC 08	Rectifier 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



SITE ID: CRAN\_RSFR\_SAC01\_022

NODE FA: 14807753 NODE USID: 187852

PACE: MRSFR044146

IN THE PUBLIC R.O.W.

ADJACENT TO 5001 LAGUNA BLVD

**ELK GROVE, CA 95758** 

STREET LIGHT ID #: 28918

PROJECT TYPE: MICRO CONFIGURATION

## **CONSULTING TEAM**

## ENGINEERING COMPANY:

M SQUARED WIRELESS 1387 CALLE AVANZADO SAN CLEMENTE, CA 92673 CONTACT: MICHAEL MONTELLO CONTACT: DIAN TARDIFF PHONE: (949) 391-6824

VINCULUMS SERVICES 1200 DEL PASO RD, STE 150 SACRAMENTO, CA 95843 (209) 662-4217 EMAIL: DTARDIFF@VINCULUMS.COM

PLANNING CONSULTANT:

#### CONSTRUCTION MANAGER:

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

## DO NOT SCALE **DRAWINGS**

SUBCONTRACTOR SHALL VERIFY ALL SUBCONIRACION SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR DE DESEMBLIED IS AND E RESPONSIBLE FOR SAME.



**USA NORTH** Know what's below.
Call before you dig.

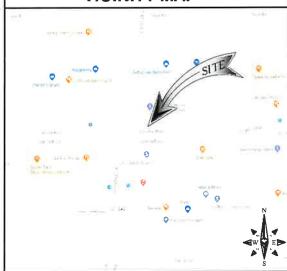
Call Two Working Days Before You Dig! 811 / 800-227-2600 usanorth.org

#### APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED 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 SACRAMENTO CITY CODE AMENDMENTS

## **VICINITY MAP**



# **CONTRACTOR NOTES**

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

### **DRIVING DIRECTIONS**

RECTIONS FROM SACRAMENTO INTERNATIONAL AIRPORT:

- MERGE ONTO 1-5 S
- TAKE EXIT 508 FOR LAGUNA BLVD
- MAKE U-TURN AT WELLS FARGO BANK DESTINATION WILL BE ON THE RIGHT

### **POLE # 28918**



# PROJECT INFORMATION

CITY OF ELK GROVE OWNER:

APPLICANT: AT&T MOBILITY

5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583

119-1310-062 ADJACENT APN#:

LATITUDE: 38.423369° N

121:447329° W LONGITUDE:

CITY OF ELK GROVE

PROPOSED USE: LINMANNED

**TELECOMMUNICATIONS** 

PUBLIC RIGHT-OF-WAY

POWER COMPANY:

JURISDICTION:

ZONING:

### 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:

- INSTALL A (N) TELECOMMUNICATION ANTENNA & EQUIPMENT BOXES ON AN (E) STREET LIGHT POLE INSTALLATION CONSISTS OF (1) CYLINDRICAL ANTENNA IN A 10-1/2" FIBERGLASS SHROUD WITH A 10-3/4" CAP & (1) 4426 RRU, (1) 4415 RRU AND (2) PSU.
- 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 SHROUDS 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
- IF A BANNER OR BANNER BRACKETS ARE PRESENT, REMOVE AND REPLACE (E) BRACKETS WITH (N) BREAKAWAY BRACKETS
- INSTALL (N) PULLBOX & CONDUITS FOR ASSOCIATED POWER AND FIBER
- INSTALL (N) (2) DIPLEXERS

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			
D-4	BANNER BRACKET			
E-2, E-3	ELECTRICAL DETAILS			
TCP-1	TRAFFIC CONTROL PLAN NOTES			
TCP-2	TRAFFIC CONTROL PLAN			







LOCATION NO:	14807753
DRAWN BY:	СР
CHECKED BY:	мм

В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW

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 SACO1\_022

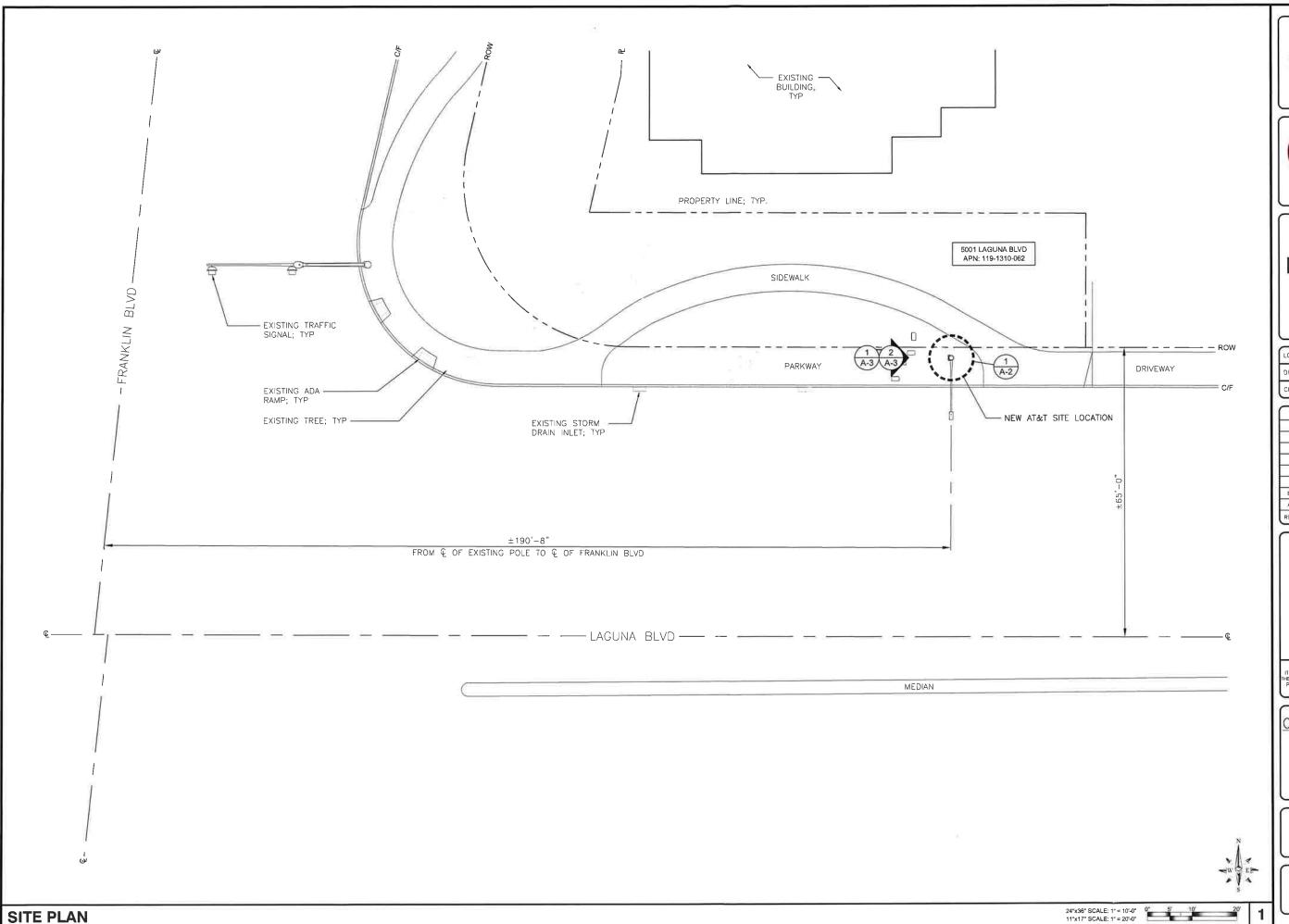
POLE #28918 IN THE PUBLIC R.O.W. 5001 LAGUNA BLVD ELK GROVE, CA 95758

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1









| LOCATION NO: 14807753 | DRAWN BY: CP | CHECKED BY: MM

_		
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

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

# CRAN\_RSFR\_SAC01\_022

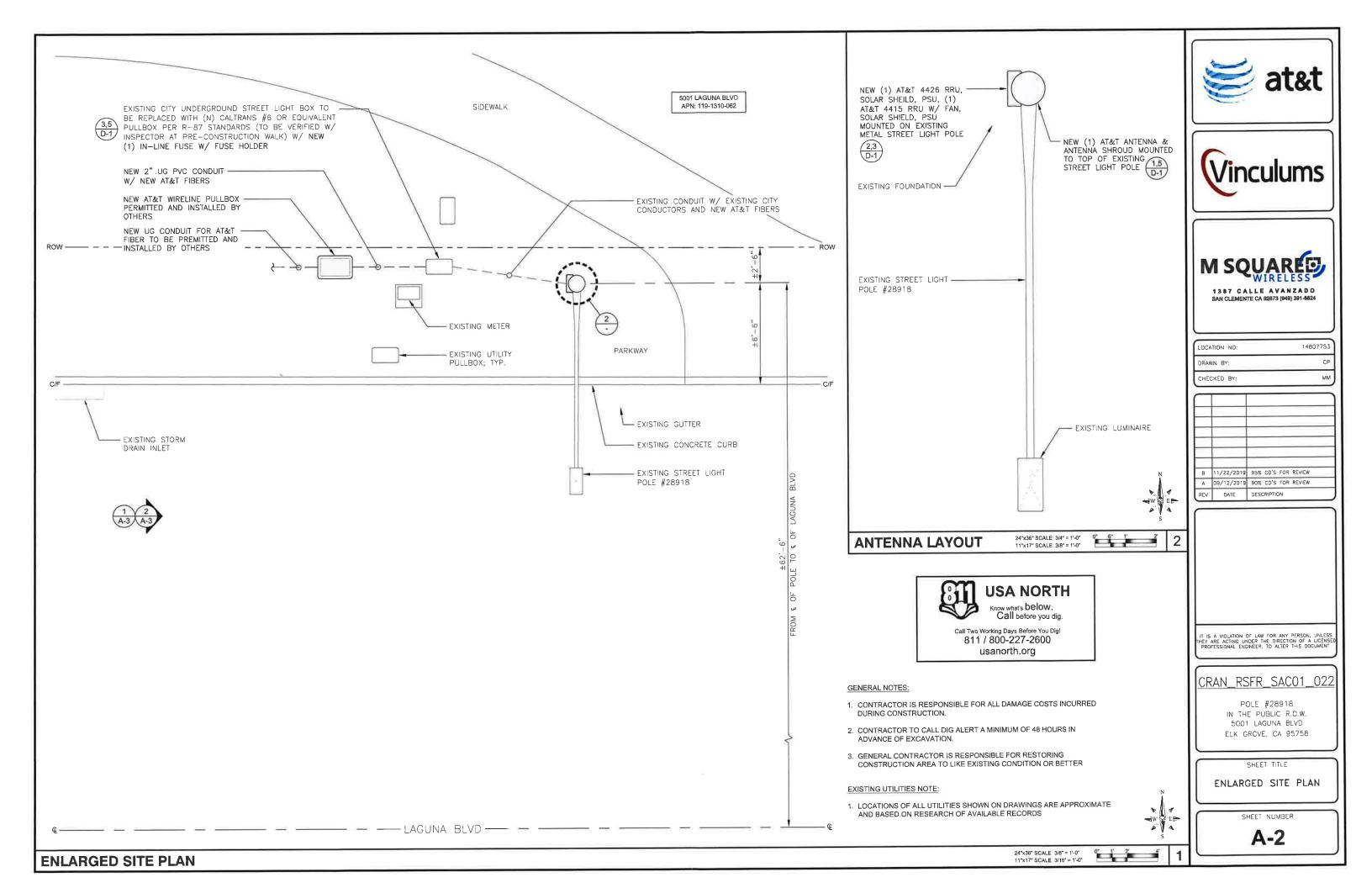
POLE #28918
IN THE PUBLIC R.C.W. 5001 LAGUNA BLVD
ELK GROVE, CA 95758

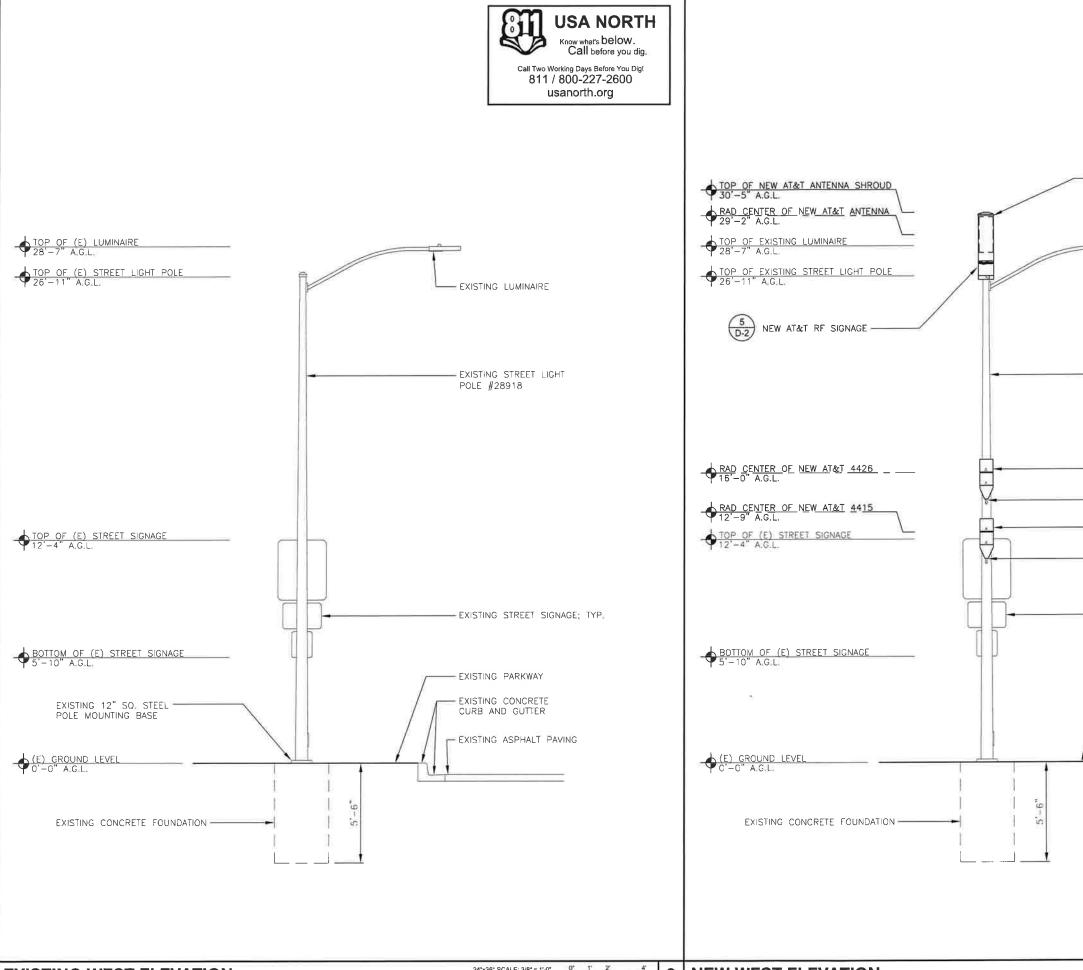
SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1





ALL NEW EQUIPMENT TO BE PAINTED TO MATCH EXISTING POLE COLOR USING DURABLE NON-REFLECTIVE PAINT (E.G. SHWERWIN

WILLIAMS, FRAZEE OR EQUIVALENT)

- NEW (1) AT&T ANTENNA & ANTENNA SHROUD MOUNTED TO TOP OF EXISTING STREET LIGHT POLE

EXISTING LUMINAIRE

EXISTING STREET LIGHT

NEW (1) AT&T 4426 RRU 3 SOLAR SHIELD, & PSU D-1

NEW (1) AT&T 4415 RRU 2 SOLAR SHIELD, & PSU D-1

- EXISTING STREET SIGNAGE; TYP.

EXISTING PARKWAY

EXISTING CONCRETE

CURB AND GUTTER

EXISTING ASPHALT PAVING

NEW (1) AT&T CABLE ACCESS OPENING

NEW (1) AT&T CABLE ACCESS OPENING

POLE #28918







LOCA	TION NO:	14807753
DRAV	VN BY:	CP
CHE	CKED BY:	мм
$\equiv$		
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

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

CRAN\_RSFR\_SAC01\_022

POLE #28918 IN THE PUBLIC R.C.W. 5001 LAGUNA BLVD ELK GROVE, CA 95758

SHEET TITLE

POLE ELEVATIONS

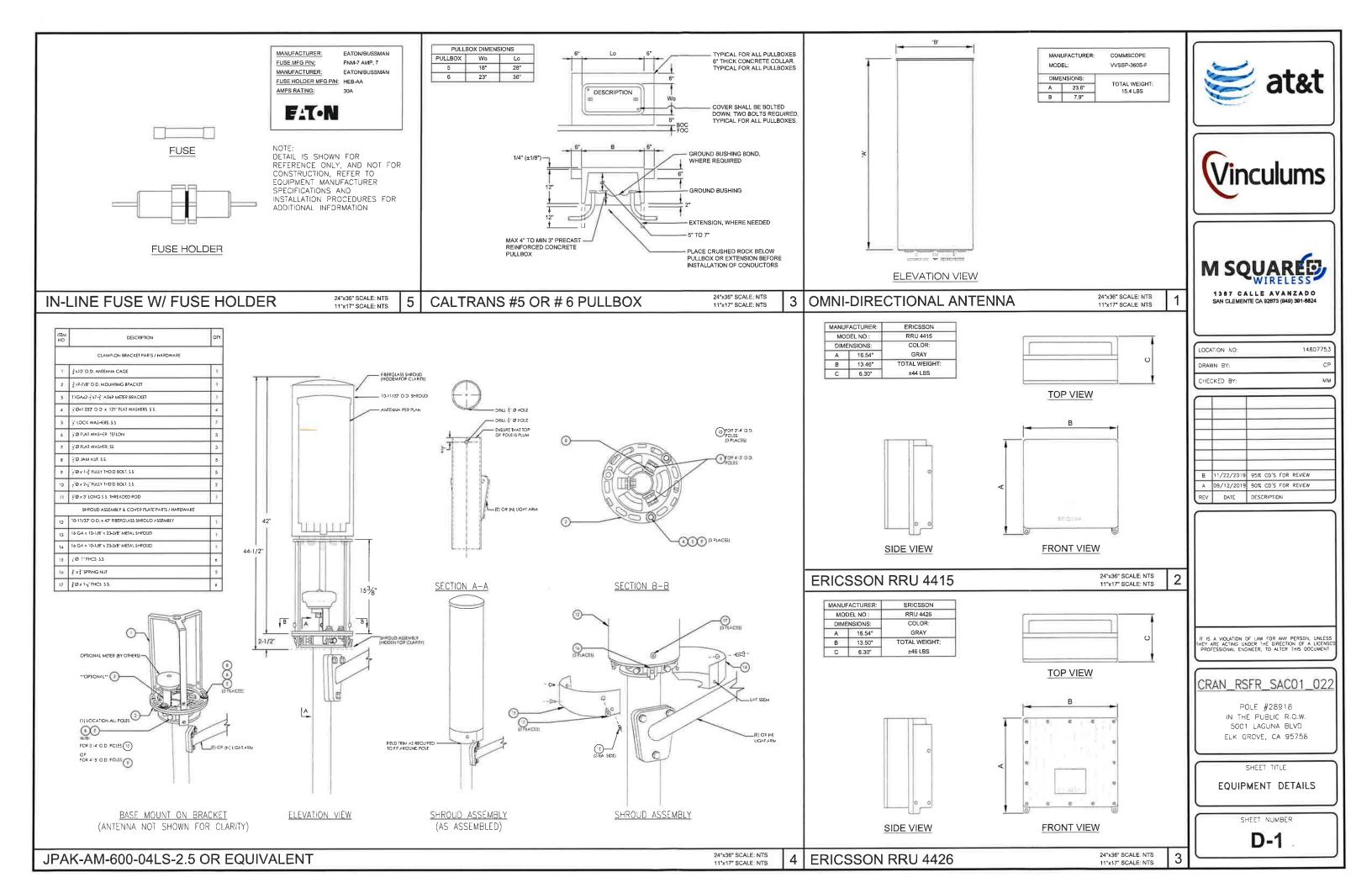
SHEET NUMBER

**A-3** 

**EXISTING WEST ELEVATION** 

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

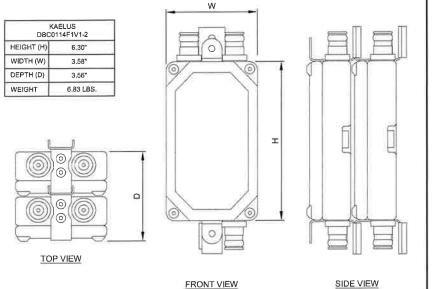
24"x36" SCALE: 3/8" = 1'-0" 11"x17" SCALE 3/16" = 1'-0"

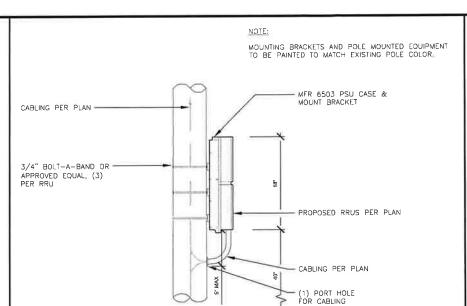


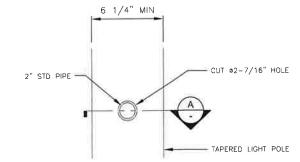


RF energy emitted by this antenna may exceed the FCC's exposure limits for the general population. Stay at least 1 foot away from the antenna, Call AT&T at 800-638-2822, option 9 then 3, to help if you need access within 1 foot

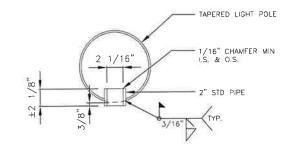
#### 24"x36" SCALE: NTS 5 **RF SIGNAGE** 11"x17" SCALE: NTS







#### **CUT DETAIL**



#### SECTION A-A

#### FIELD WELDING NOTES:

- 1. WELDING TO BE PERFORMED BY AN AWS CERTIFIED WELDER FOR THE TYPE OF AND POSITION INDICATED. ALL WORK MUST BE IN CONFORMANCE WITH LATEST EDITION OF ASIC & AWS D 1.1
  2. GRIND SURFACES TO BE WELDED WITH A SILICONE CARBIDE WHEEL PRIOR TO WELDING TO REMOVE ALL GALVANIZING WHICH MAY OTHERWISE BE CONSUMED IN THE WELD METAL. APPLY ANTI-SPATTER COMPOUND AFTER GRINDING.
  3. WELDING TECHNIQUE MUST MINIMIZE TEMPERATURE RISE ON THE INSIDE SURFACE OF THE MONOPOLE AND ALSO VOLATIZE ANY REMAINING ZINC WITHIN THE BASE METAL WITH MINIMUM SPATTER. USE AN E70 (LOW HYDROGEN) ELECTRODE. USE LARGEST DIAMETER ELECTRODE COMPATIBLE WITH WELDING POSITION AND MATERIAL THICKNESS. STRICTLY FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR STORAGE AND USE OF ELECTRODES AVOID REMOVING ELECTRODES FROM MANUFACTURER'S PACKAGING UNTIL READY IMMEDIATE USE.
  4. WELDING MAY PRODUCE TOXIC FUMES. REFER TO ANSI STANDARD Z49.1 "SAFETY IN WELDING AND CLITTING" FOR PROPER PERCAUTIONS.
- WELDING MAY PRODUCE TOXIC FUMES. REFER TO ANSI STANDARD 244. SAFETT IN WELDING AND CUTTING" FOR PROPER PRECAUTIONS.

  UPON COMPLETION OF WELDING, APPLY GALV—A—STICK ZINC COATING TO ALL UNPROTECTED SURFACES. APPLY A SECOND LAYER OF COLD GALVANIZING SPRAY COMPOUND CONTAINING A MINIMUM ZINC CONTENT OF 95%. IF NECESSARY, APPLY A FINAL COAT OF COMPATIBLE PAINT TO MATCH SURROUNDING SURFACES.

**ACCESS PORTS** 24"x36" SCALE: NTS 6 RRU MOUNTING DETAIL DBC0114F1V1-2 DIPLEXER 11"x17" SCALE: NTS 11"x17" SCALE: NTS

CABLING PER PLAN

(1) PORT HOLE FOR CABLING







14807753

ı	URAY	AN BI:	Ci	
ı	CHE	CKED BY:	M	4
١	$\equiv$			
l				_
l				
I	-			-
ı				
ı	В	11/22/2019	95% CD'S FOR REVIEW	_
ı	Α	09/12/2019	90% CD'S FOR REVIEW	
ı	REV	DATE	DESCRIPTION	

LOCATION NO:

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

CRAN\_RSFR\_SAC01\_022

IN THE PUBLIC R.O.W. 5001 LAGUNA BLVD ELK GROVE, CA 95758

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

**D-2** 

24"x36" SCALE: NTS 24"x36" SCALE: NTS

NOT USED

7 NOT USED

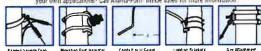
4 NOT USED





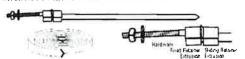
## For Mounting Equipment on Most Steel, Wood, or Concrete Poles

Bolt-A-Band<sup>12</sup> lets you mount goupment on round, square or irregular shaped poles without drilling holes. Bolt-A-Band<sup>12</sup> features a pre-cist, high quality stainless steel bond with accompanying installation by draws. Adjusts easily, to finded any see gole installs in just musules with no special tools required. Use if as shown for equipment mounting, or create your own applications? Call Aliama-Form inside sales for more information.



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

Band Width – Both-A-Band\* is available in 3a1 and 11a1 band widths and many lengths for mounting a variety of equipment. Generally use 3a1 band for lighter loads (cabinets telephone drops U-Guards (occasiolisable etc.), and 11a1 band for lighter loads (cabinets telephone Band Length — Proper length is easily determined by placing equipment to mounted against pole or structure at mounting position. Measure votal length inset advance structure add six (6) inches and touring the next standard english determine correct length to order his taliation instructions are always included with each Both-A-Band\* order.





#### SPECIFICATIONS

CATALOG 4	WEIGHT/EA	CARTON	HARDWARE	LENGTH	CHASE	State less Steel Band - Type I ances of State etc.) responsibilities
BAR 20 W	75 tb	24	(9)*	36	9.5	make the Other and no need
BAR SPA	80 to	24	67	40	100	for the case of the special
B49 (845	85 lb	.54	167	45	4.1	044 In Orienta 1 (p. 5)
645 38W	90 70	24	100	50	87	
FAB W	\$4 D	1.5	0.0	77	5°	Aleminum Hardware Extrusions
EAR 3934	1 10 8%	24	W	54	14.5	6061 It Abresion After This skip.
FAR 12 V	1.60 ms	24	201	26	114"	circlinas to \$510 £ 721. A moreonin
648 5346	1.85 (0)	24	5/2	43	9365	Service appropriate and Pigg. Bed.
GAR 1846	1.60:84	24	621	48	1961	beneficial years strength of 35 000 PS
RUE SHI'K	2 10 101	24	148	40	2641	
625 NS :	2 3D ftrs	24	97	7.	4307	Carriage Soit grater office at
FAE SOME	2.50 84	24	'W'	84	1967	minima por idello à dan fizial e prima por idello a fizial

## STANDARD 100' LENGTH RANGE

STANDARD LENGTH SINGLE BAND

DARD 100' L	ENGTH E	BANDS				BUCKLES FO	JR 100' B/	ANDS
CATALOG #	WINE!	culfon	HAROWANE	LENGTH	BAND	CATALOG	WEIGHT EACH	STO.
201-555-100	5 (C Ds		W	130	W.	PAR 33	5.01	24
* (91 ts) *00	19 00 lbs	- 1	45	1.6	790	84 JA#	1.25-89	24

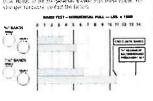
#### STANDARD LENGTH DOUBLE BAND

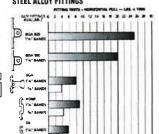
CATALOG +	WEIGHT/EA	CAMION	HAROWARE		BAHD
FAE NOW C	3 30 tb	24	M*-	36	150
ERE 1845 (	40) 8	74	100	48	178
\$48.5885 C	7.50 in.	24	W	3.8	100

#### BAND STRENGTH WITH ALUMINUM OR STEEL ALLOY FITTINGS **BANDING STRENGTH TESTS**

#### MAXIMUM BAND CAPACITY

These bests were conducted with some things steel full type to this taste the majorition featurement of the stockes shall be some a feature state of the stockes shall be some a feature frongs such as the color of the stronger target are some feature for the same transfer to the stronger targeties (color) the factors.





# BOLT-A-BAND ALUMA-FORM

## ALL PURPOSE MTG. BRACKET (LOCATES 15" MOLT)

CHIALOG .	MBOUL	STO CARSON	DE SCRIPTION
86 1511 F	£16,	21	SATE Day Moon.
-058/5/EH	85 to	24	many Sub, Missell are Market Mrs. 7, 100
*NE 15(1 H)4	1.00 to	22	we Wast 1 to 2 for
H088-1511-1014	#G 15	24	Marry Sub-Minest arts (1994 ), 1974 (1977 (1987)
execute a	442 6	- 72	ha sized upotory Model

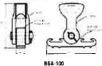


# Membing Bracket (MBBS Sevies aboun)

#### BANDED GUY ATTACHMENT WITH CLEVIS

CATALOG #	WEIGHT ALL	CARTON	BENCHIPTION
TSA 100	1 (III b)	74	Page 1037 mater is a American not trans
ES4-520	2.00 Ex	24	Burnt we attended with land
004 825	4 259 RH	24	liev man fary her so fair if income artification







#### CONDUIT AND U-GUARD STRAPS

	Townson Ma	570		N	
CATALOC 4	WEIGHT JEA.	CARTON	FOR	A	
8917	ST Do	24	41	Mar.	1 %
1012	21 to .	24	2	211	717
651.0	15 Ro.	24	3"	360	316
547.4	17 fts	24	-2"	251.5	897
262.4	23 %	34	3"	500	50%
544	72 ha	24	-0	\$5×	62



# BOLT-A-BAND

### ALUMA-FORM

CATALOG #	AN THOOM	CARTON	DEBCRIPTION
850/15	082 Bs	80	Barelet Serves Cha. Marge on evening that 1 JBN No.

### BANDED CABLE TIE RETAINER

	CATALOC +	AJA THOUSEN	CARTON	DESCRIPTION
	613	016 ths	706:	Bended Listle To Reliance for your services for or? I forms
w me v	the safe or You' But	4		

#### GENERAL PURPOSE MOUNT

CATALOG #	AA, THEISTE	CARTON	B ESCRIPTION
CHYC	ñ 8 13c		Majoring books of "A" Sphartine that 10" of formal distance with \$10" began "The majoring form
C-Myreld .	7.30 OH	(3)	67 x 5' blanding becard with A 5' bankage belt
(-ame);	17-96 (bs	9/	AT A If Shartly broke on







Banded Cable Tip Retailer

## TRANSFORMER MOUNTING BRACKET

OHMIER I	11001111111	DIGNORE	
CATALOG 4	WEIGHT SA.	CAST CH	Q (SC#69710%
RE SALLING	93 84		Digresser transferor tripall Adjusted 11.77 of 25 by spring







1387 CALLE AVANZADO

LOCATION NO:	14807753
DRAWN BY:	СР
CHECKED BY:	ММ

_		
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

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

CRAN\_RSFR\_SAC01\_022

PCLE #28918 IN THE PUBLIC R.C.W. 5001 LAGUNA BLVD ELK GRCVE, CA 95758

SHEET TITLE

BOLT-A-BAND DETAIL

SHEET NUMBER

**D-3** 

KBW BANNERFLEX D3 BANNER BRACKET 13/16" ROUND FIBERGLASS ARM 31" LONG STAINLESS STEEL BANDING STAINLESS STEEL BUCKLE

# Bainer 103 ...for standard large format light pole banners



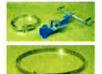
The patential original Sant er Fie-15W Do truc et ros endored the test of time to hecome the bascoma ? of the bancol hardware about thy EWV I'm the bracket of choice to standard it by and light noise installation 1997 DG practive arms can he adjusted by thout moving the main and repreced with tag or tione pot todes barrefle \$2W13 offers performance and best of all there are proving the New of Stagich very u peace of mand for years to some

- · Streeting
- THE NAME OF STREET
- · Cart
- American Authorizations Train of Francis Princip How Box
- · Ones of Femore Patenting for Rose
- Strang Community reporters Appearant. · Hart Agreement or Room Plante Constant
- · Se Mayor Part in West Out

The benchmark of the banner bracket industry.



1.8vV Banner Plex braidlets have beer matalled on hundreds of thousands of poles, worldwide Crisite adjustability of both the arms and the man practict itself make BannerFlex the installer's first choice. Schoolsenstesstarif construction means maintenence free performance for years.



lese tools and hardware make installation of BarnerHeil properts easy, fast and absolutely decure All fasteners are made of stemess steel to ensure optimal performance. contact your KBW Representative to determine which installation method. is night for your project.



The Square Roll Adapter may be used when banding EarnerFlex braidlets onto oduare utility poles that are \$1 or larger in width. The Tie Down Erachet allows, the lower portion of a barrier. of loter in the breeze Call your NEW Representative for advice on the use of these adapters.



Barzer Flex appeals ones and versitivity ic your banner hardware matariation The Flag Fele Holder and the Plant lates may be alseed into the brackt when barners are not displayed. The Flag Polic Holder has sequebly into the Disman outing the Plant Holder is canted upward a igntly to bear more weight and resist satisfing



1125 Portage Street Cultura — M. 4 + 11 61 : 125 ka24 | 269 3 km (537 | FAT 2 | 1 + 253 ) | 1 y/www.comsort.com

#### About Banner Bracket Design.

Hardware is the most important part of a successful banner system. When I founded Balancago Banner. Works (IBW) in 1983, one of my goals included Inding a solution to reduce the strey on utility poles and increase. banner for gevity. The result was Banner? expite first. bracket in the industry to use pultruded fiberglass arms. ration than steel. This one hall bracket was medified and awarded a U.S. patent in 1938, and further refinements.

The idea servind Banne Flex is that ruspills a tierrii- dous an cunt of wind force and so litetums to its priginal. shape. The brack its alle carried (and ed) so the top am angles slightly up and the bottom also angles slightly. down. The wind load is immediately transferred from the banner to the flexible fiberglass arms which then apports some of the stress produced by the wind. eliminating the need for unsightly winds its (which) reduce the longevity of the banner and have also been proven ineffectual for stress reduction.

We have invested considerable following it to establish LBW as the experts in partners and hardware and remail compliffed to finding the safest most secure solutions to the evenidianging needs of our banner custoniers. Only RanderFleich as been suppessfully which, the itested at hurricarie torge wind speeds - without falure. And, our revolutionary new Airow rod sheds even more wind

If BW is proud to provide extensive engineering data to assist in determining the suitability of ballners on utility. poles. The KEVI Wind-Force Calculator can guiday assist. engineers with analysis. Because we cannot personally determine the utility pole is suitably strong enough. we encourage poyers to share our data with a dislittled professional before purchasing baniller braid its. We are confident your reser, drive Head you to Band erFier Ly.

For more obtailed engineering total pil-axe call (FDC) 525 6424 or yigh www.kalamazoobanner.com click or hardware and described the the scribt engine in inportaint los Jes Concerning Bannel Hardware.

Roger M Leplay AIA Consist Dipolay Group







LOCATION NO:

DRA	VN BY:		CI
CHE	CKED BY:		М
	11 (22 (2010	95% CD'S FOR REVIEW	
B A	11/22/2019 09/12/2019		
REV	DATE	DESCRIPTION	

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\_022

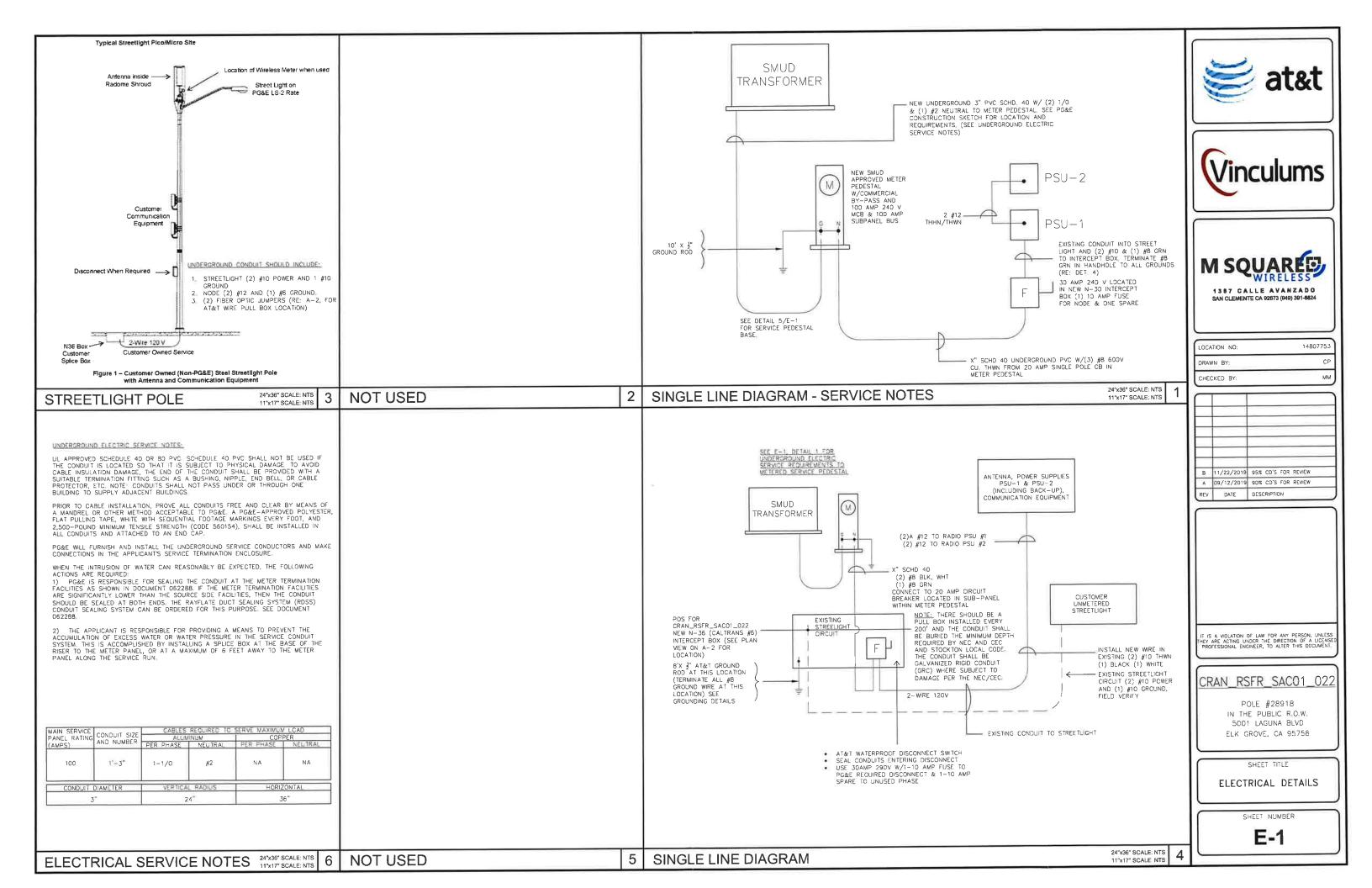
POLE #28918 IN THE PUBLIC ROW 5001 LAGUNA BLVD ELK GROVE, CA 95758

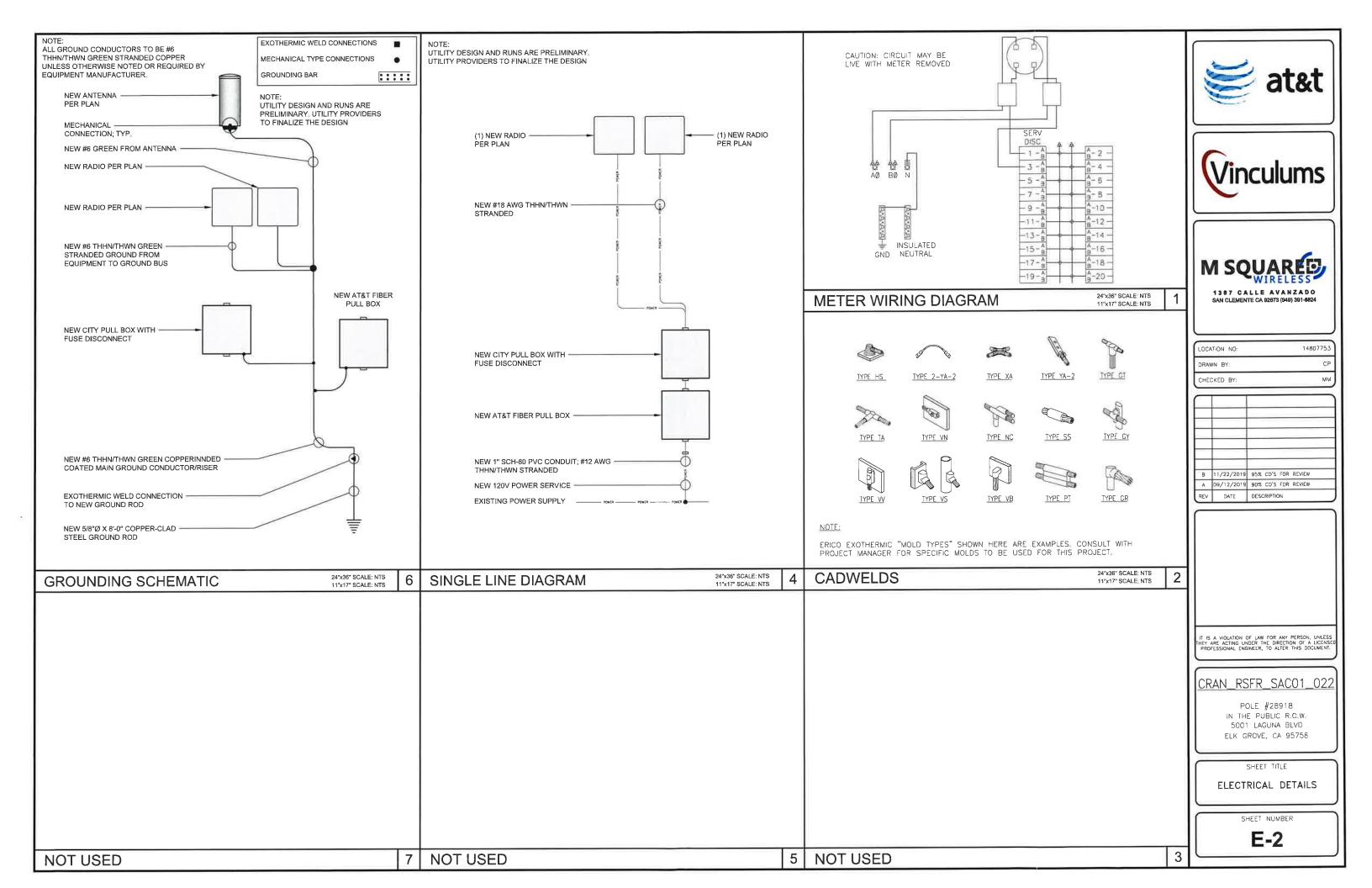
SHEET TITLE

BOLT-A-BAND DETAIL

SHEET NUMBER

D-4





#### 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, CHANGEABLE 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 ILLUMINATIONS.
- 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 OTHER 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.
- 8. 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 45 MPH ON LAGUNA DR

						Та	Minimu per Ler								LIDG
Posted Speed	Formula	Buffer Space										Maximum *Cone Spacing Sign Spacing		LIDG (Ft)	
			L	½L	1/3 L	L	½L	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	1 14102	200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	15'	120' To 250'	113'
35	$L = \frac{WS^2}{60}$	250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	18'	140' To 280'	131'
40	60	305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	20'	160' To 320'	150'
45		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	L = WS	570'	600'	300'	200'	660'	330	2201	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'







LOCA	ATION NO:	14807753
DRAV	WN BY:	CF
CHE	CKED BY:	MA
$\overline{}$		
В	11/22/2019	95% CD'S FOR REVIEW
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 LICENSE PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

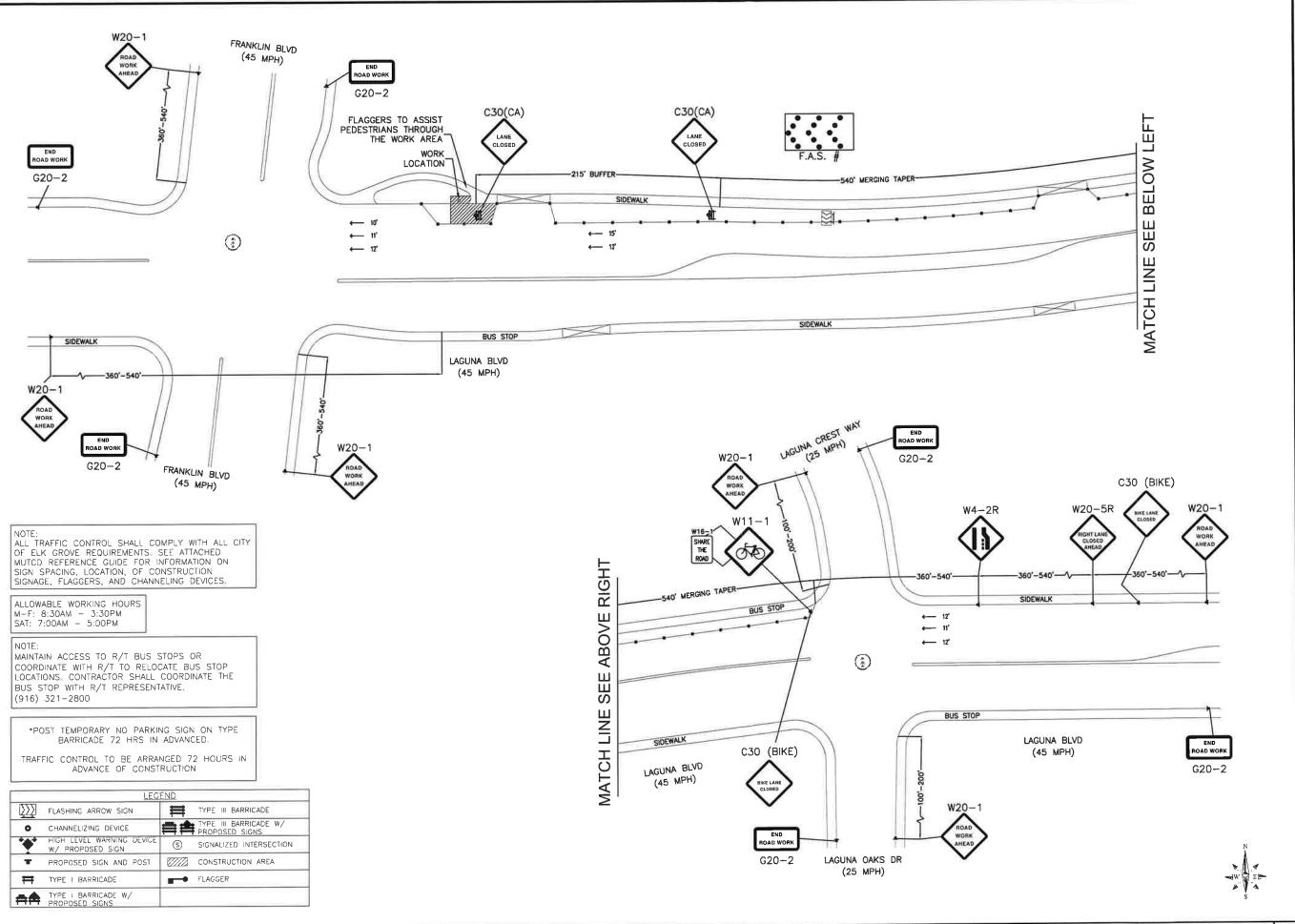
CRAN\_RSFR\_SAC01\_022

POLE #28918
IN THE PUBLIC R.C.W.
5001 LAGUNA BLVD
ELK GROVE, CA 95758

TRAFFIC CONTROL
PLAN NOTES

SHEET NUMBER

TCP-1









LOCATION NO:	14807753
DRAWN BY:	CP
CHECKED BY:	ММ

_		
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
A REV	09/12/2019 DATE	90% CD'S FOR REVIEW DESCRIPTION

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\_022

POLE #28918 IN THE PUBLIC R.C.W. 5001 LAGUNA BLVD ELK GROVE, CA 95758

TRAFFIC CONTROL PLAN

SHEET NUMBER

TCP-2

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