CITY OF ELK GROVE SMUD SERVICES REQUEST FOR TELECOMMUNICATOINS SERVICE PROVIDER



 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: SMUD Vault & Box 30' South of City Service U8993
Description: East side of Lewis Stein Rd, 35 feet from the centerline; 390 feet South from the centerline of Sheldon Rd.

- 2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD83:0402, 6731072.681ftUSE 1921516.107ftUSN Decimal: 38.436992, -121.408575
- 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-33345

Location of TSP Devices on City Street lights:

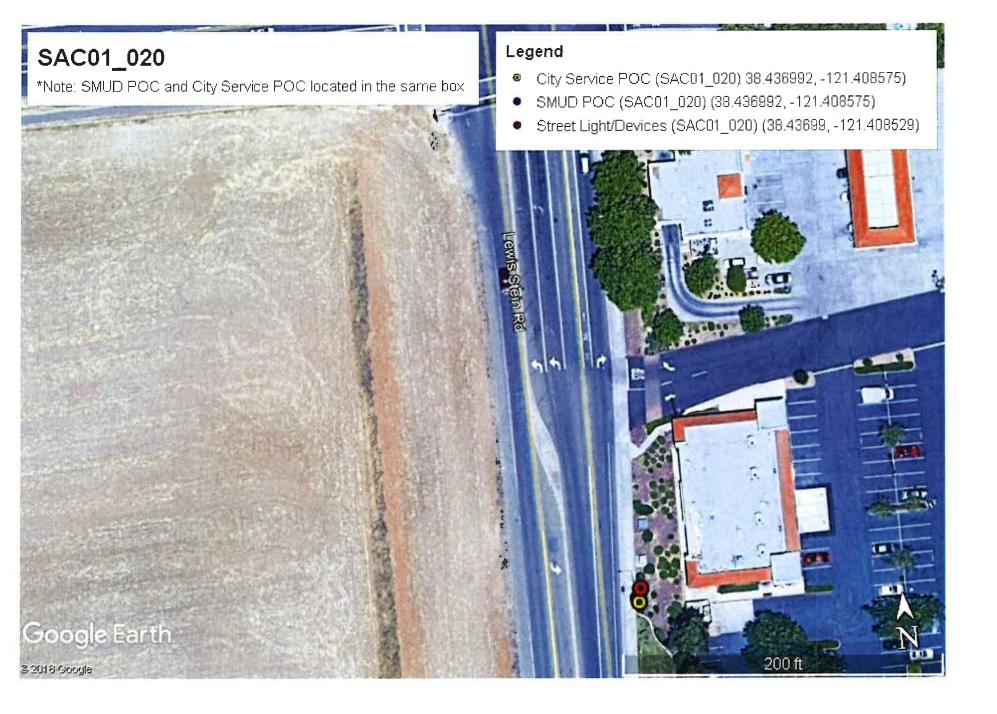
Descriptive Address: Measurements must be from the street center line and 1... must be listed as x feet, the side of the street, and include north/south and east/west directions. For example: 50 feet of East Street and 10 feet South of J Address: 8873 Lewis Stein Rd Description: East 40 Feet from the centerline of Lewis Rd.; 380 Feet South from the Street.

centerline of Sheldon Rd

- 2. California State, Zone 2, NAD83 in Feet: X,Y coordinate of the connection point: NAD 83: Zone 0402, 6731085.852ftUSE 1921516.922ftUSN Decimal: 38.436994, -121.408529
- 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 6731072,681ftUSE 1921516.107ftUSN Decimal: 38.436992, -121.408575
- Attach City Map with locations of 1) TSP devices on City Street light with an X 4. 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-AM-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

This area reserved for SMUD use only





SMALL CELL LOAD SUMMARY – Elk Grove

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

	Project:							
Loc	cation Address:	8873 Lewis Stei	8873 Lewis Stein Road					
Pol	le Coordinates:	38.43699, -121.408529 City Service Coordinates:			38.436992, -121.408575			
	Node Number:	SAC01_020						
Street Light Pole Number:		SLT-33345 (MA-LED)						
City Se	ervice Address:	8873 Lewis Stein Road						
SMUD Po	int of Connect:	SMUD Vault &	Box 30' South of Ci	ty Service U899	3			
City Service Number:		1686	1686					
RF Config:		MICRO	Radio Load	l: 2200W	Future	Radio Load:		
	Circuit Breaker:	Position #2, 40 AMP						
	Voltage:	⊠ 120 V □ 240 V □ 277 V □ 480 V						
Number of	Existing Loads:	MA-LED:	1	ORN-LED:		PT-LED:		
Number of	Existing Loads.	MA-HPS:		ORN-HPS:		PT-HPS:		
Description of Existing	Loads (Street Ligh	nt Numbers):						
33345								

	ting Loads:	Total Exist
110 W	MA-LED X 110 W	1
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	
2200 W	Radio Load	
2310 W	New Load Total (RP):	
2.89 KVA	Total Load on Circuit:	
24 AMP	Minimum Circuit Overcurrent Protection Required:	*N
19,272	Radio Load Pico kWh/Yr.:	

Recircuiting Required:	117		34 5 3 4		
☐ Yes ⊠ No					
Existing Circuit Breaker 40 AMPS					
Percentage Overcurrent Prote	ection Used	48%			
Difficulty Level:	1				
1. No Constructability Issues	2. Difficult 3. Very Difficul		3. Very Difficult		
Pass or Fail:	□ Pass □ Fail				
Notes:		Ψ,	" NEVE		
*Per NEC Regulation, the Real Power (RP) will not exceed 80% of the Overcurrent Protection.					

Street l	Street Light No. GPS		SPS	Light Type			Comments	
Site Pole	Others	Latitude	Longitude	Lamp Post	Post Top	Mast Arm	(LED, HPS, SIGNAL, COBRA, ETC.)	
33345	х	38.43699	-121.408529			x	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_020. 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).

11.20-17

Sincerely,

Joshua Penso, PE-EE

California License E-16741

Expiration/Date: 9/30/2020



SITE ID: CRAN_RSFR_SAC01_020

NODE FA: 14807746 NODE USID: 187851

PACE: MRSFR044020

IN THE PUBLIC R.O.W.

ADJACENT TO 8873 LEWIS STEIN RD

ELK GROVE, CA 95758

STREET LIGHT ID #: 33345

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 PHONE: (209) 662-4217 EMAIL: DTARDIFF@VINCULUMS.COM

PLANNING CONSULTANT:

CONSTRUCTION MANAGER:

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

DO NOT SCALE **DRAWINGS**

LANS, EXISTING DIMENSIONS & ELD CONDITIONS ON THE JOB & SHALL IMMEDIATELY NOTIF THE ENGINEER IN WRITING OF ANY INSCREPANCIES BEFORE PROCEEDING WITH THE WORK OR SE RESPONSIBLE FOR SAME



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

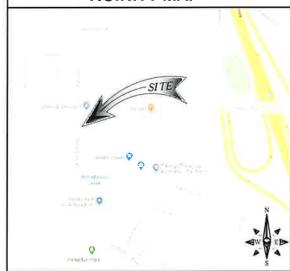
Call Two Working Days Before You Dig! 811 / 800-227-2600 usanorth.org

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
- FIGURE 35 (JUNE 2009 EDITION)
- CURRENT SACRAMENTO CITY CODE AMENDMENTS

VICINITY MAP



CONTRACTOR NOTES

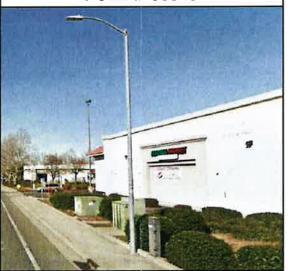
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALI IMMEDIATELY NOTIFY THE ARCHITECT AND/OR ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH HE WORK OR BE RESPONSIBLE FOR THE SAME,

DRIVING DIRECTIONS

RECTIONS FROM SACRAMENTO INTERNATIONAL AIRPORT:

- MERGE ONTO 1-5 S
- TAKE EXIT 6B TO MERGE ONTO 99 S TOWARD FRESNO TAKE EXIT 288 FOR SHELDON RD & TURN LEFT
- TURN LEFT ONTO LEWIS STEIN RD TURN LEFT ONTO W STOCKTON BLVD
- MAKE A U-TURN
- TURN RIGHT ONTO LEWIS STEIN RD DESTINATION WILL BE ON THE RIGHT

POLE # 33345



PROJECT INFORMATION

CITY OF ELK GROVE

APPLICANT: AT&T MOBILITY 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583

116-1550-005 ADJACENT APN#:

OWNER:

LATITUDE 38.436994' N 121:408529° W LONGITUDE:

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:

 INSTALL A (N) TELECOMMUNICATION ANTENNA & EQUIPMENT BOXES ON AN (E) STREET LIGHT POLE. INSTALLATION CONSISTS OF (1) CYLINDRICAL ANTENNA IN A 10-1/2"ø FIBERGLASS SHROUD WITH A 10-3/4"ø 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 BE UNDERGROUND

IF A BANNER OR BANNER BRACKETS ARE PRESENT, REMOVE AND REPLACE (E) BRACKETS WITH (N) BREAKAWAY BRACKETS

INSTALL (1) NEW PULLBOX & CONDUITS FOR ASSOCIATED POWER & FIBER

INSTALL (2) NEW DIPLEXERS.

SHEET INDEX

	OTTELT 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_	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS
TCP-1	TRAFFIC CONTROL PLAN NOTES
TCP-2	TRAFFIC CONTROL PLAN







LOCATION NO:	14807746
DRAWN BY:	EZG
CHECKED BY:	мм

0	12/02/2019	100% CD'S FOR REVIEW
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

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CRAN RSFR SACO1_020

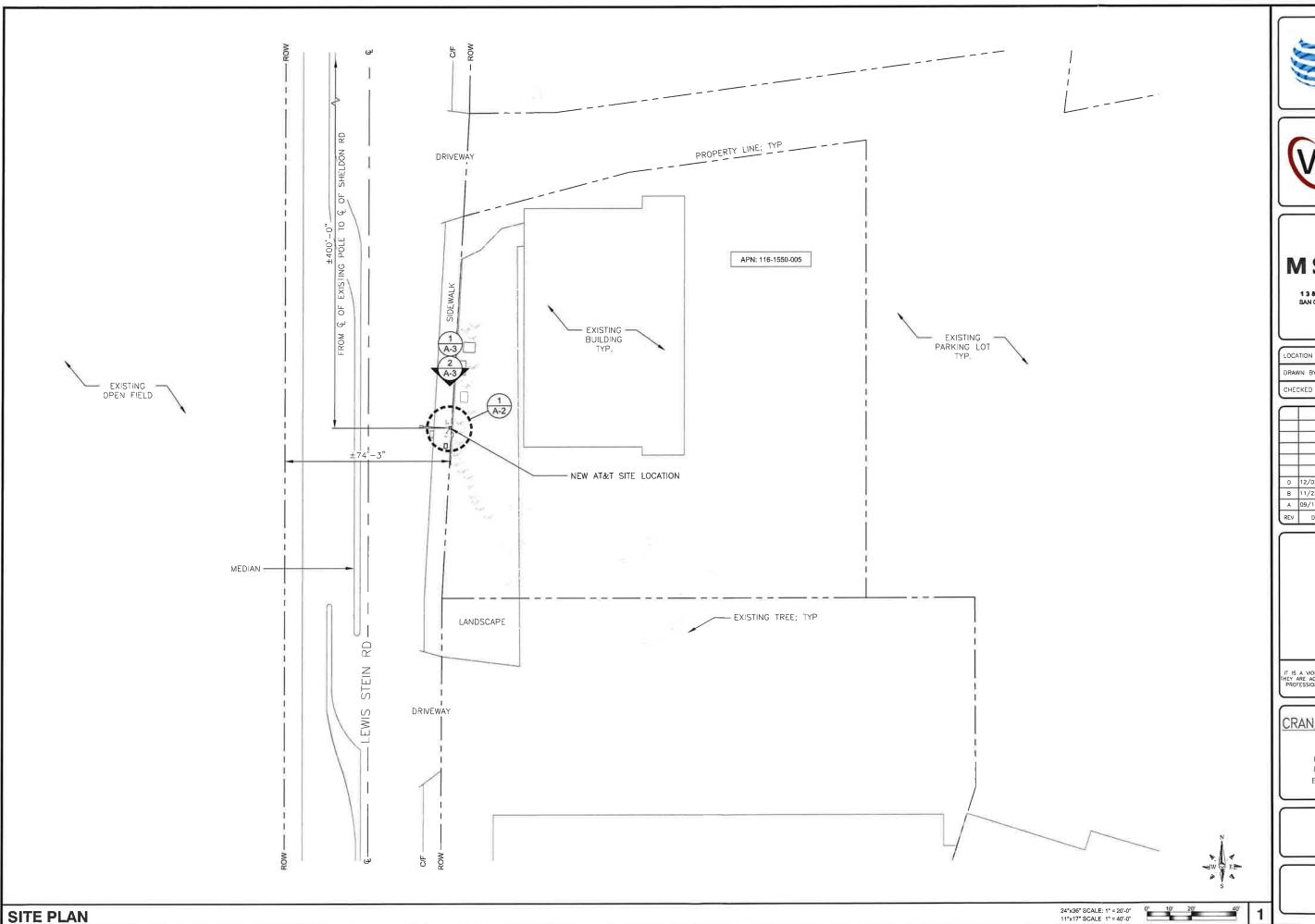
POLE #33345 IN THE PUBLIC R.C.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1









LOCATION NO.	14807746
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CHECKED BY:	ММ

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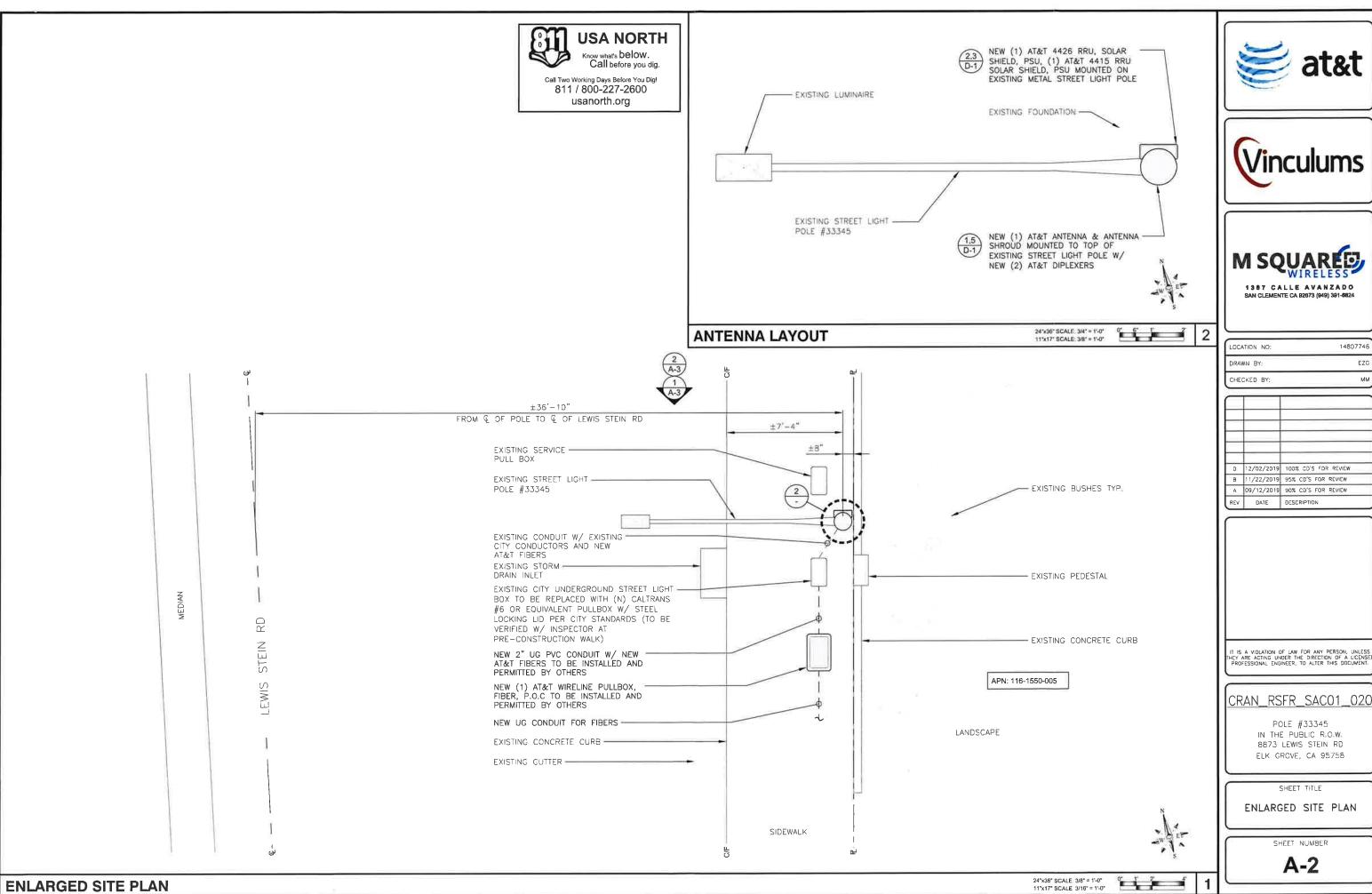
POLE #33345 IN THE PUBLIC R.O.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1



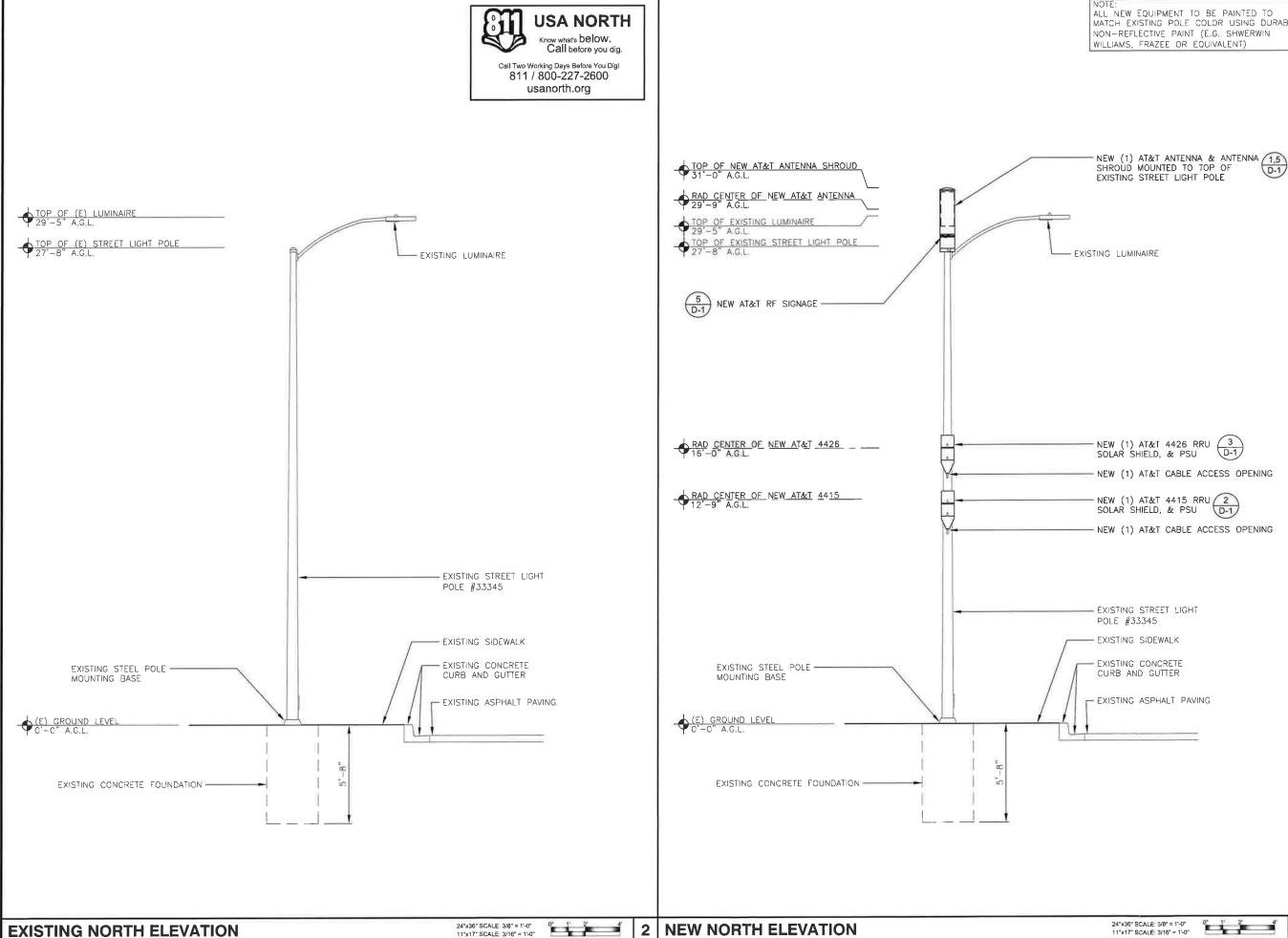






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REV	DATE	DESCRIPTION			

IN THE PUBLIC R.O.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758



MATCH EXISTING POLE COLOR USING DURABLE







LOCATION NO:

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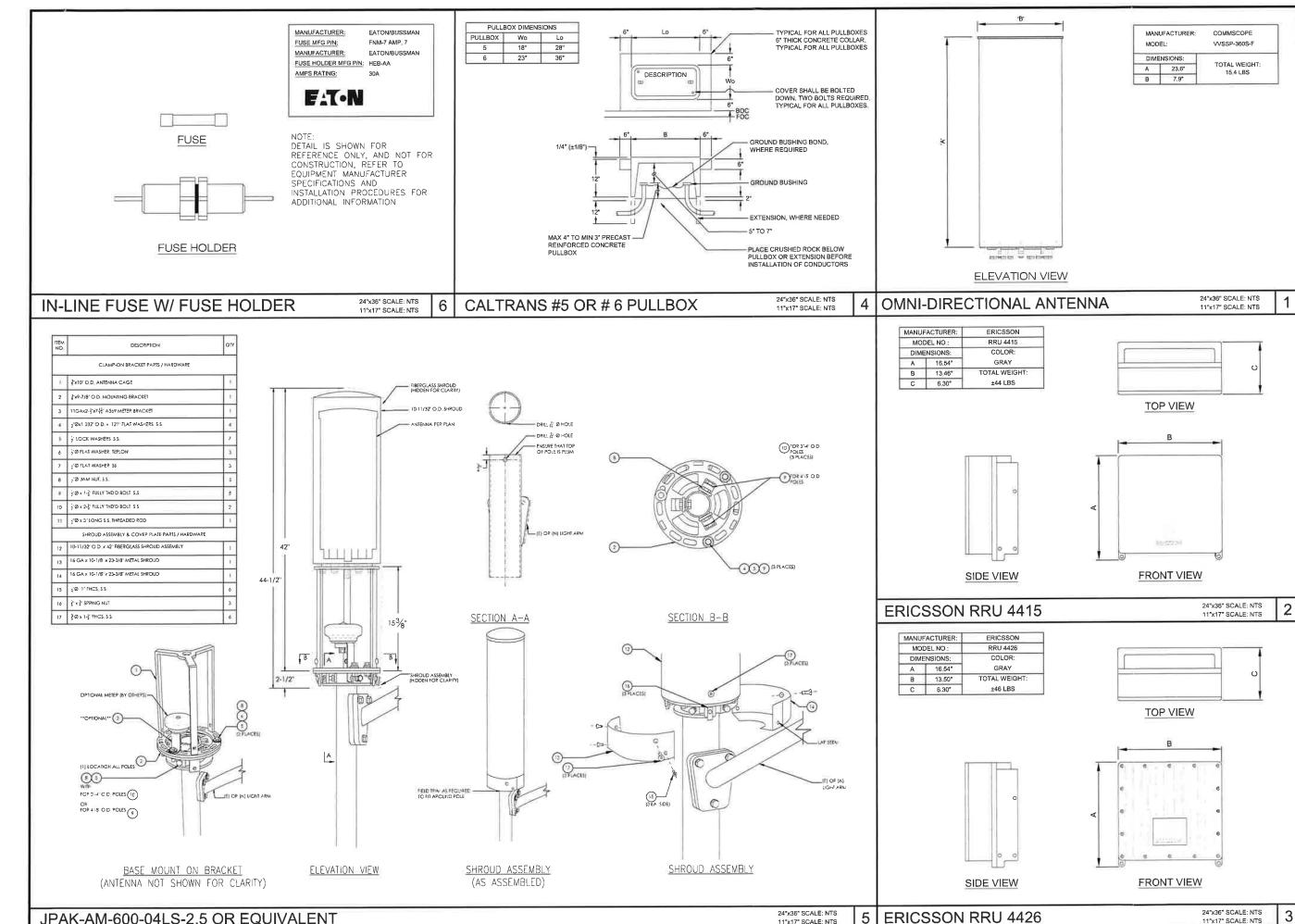
POLE #33345 IN THE PUBLIC R.C.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

POLE ELEVATIONS

SHEET NUMBER

A-3





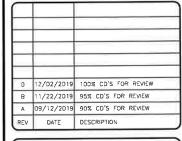




LOCATION NO: 14807745

DRAWN BY: EZG

CHECKED BY: MM



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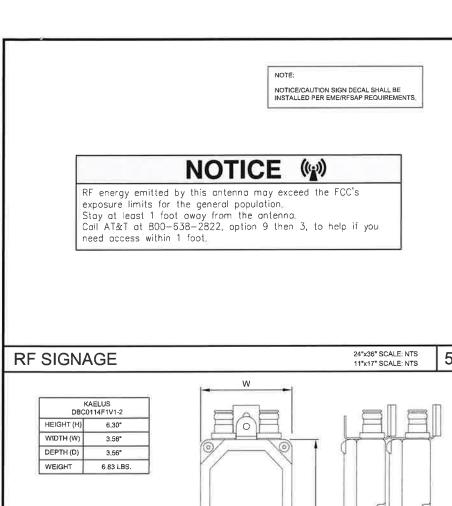
POLE #33345 IN THE PUBLIC R.O.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

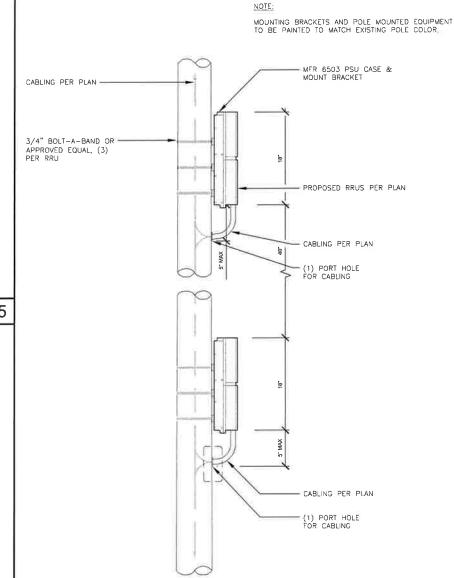
D-1

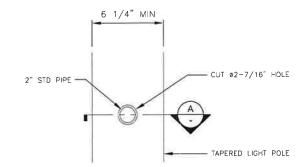


FRONT VIEW

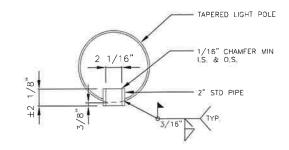
SIDE VIEW

TOP VIEW





CUT DETAIL



SECTION A-A

FIELD WELDING NOTES:

- 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 GRIND SURFACES TO BE WELDED WITH A SILICONE CARBIDE WHEEL PRIOR TO WELDING TO REMOVE ALL CALVANIZING WHICH MAY OTHERWISE BE CONSUMED IN THE WELD METAL, APPLY ANTI-SPATTER COMPOUND AFTER GRINDING.

 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 ETO (LOW HYDROGEN) ELECTRODE. USE LARGEST DIAMETER ELECTRODE COMPATIBLE WITH WELDING POSITION AND MATERIAL THICKNESS. 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
- WELDING MAY PRODUCE TOXIC TUMES, REFER TO ANSI STANDARD 249, I SAFETY IN WELDING AND CUTTING FOR PROPER PRECAUTIONS.

 UPON COMPLETION OF WELDING, APPLY GALV—A—STICK ZINC COATING TO ALL UNPROTECTED SUFFACES, APPLY A SECOND LAYER OF COLD GALVANIZING SPRAY COMPOUND CONTAINING A MINIMUM ZINC CONTENT OF SYMPTHY IN TOMBLE PAINT TO MATCH SURROUNDING SURFACES.

_			
	ACCECC PODEO	24"x36" SCALE: NTS	141
	TACCESS PORTS	11"x17" SCALE: NTS	







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LOCATION NO:

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POLE #33345 IN THE PUBLIC ROW 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

2

D-2

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

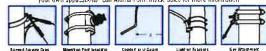
NOT USED **NOT USED**

NOT USED





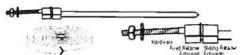
For Mounting Equipment on Most Steel, Wood, or Concrete Poles



How to Select Proper Size

Band Width - Bolt-A Band " is available in 3a" and 11a" band widths and many lengths for neumany a variety of equipment Generally use 3a" band for lighter loads (cabinets, telephone drops, U-Guards, co-avail cable, etc.), and 11a" band for high tension loads.

Band Length — Proper length is easily determined by placing equipment to mounted against pole or structure at insurting position. Measure total length needed around structure, add size (s) incluse and count up to need standard length to determine correct length to order his fallation instructions are always included with each Bott-A-Band order.







ANDARD 100' L	ENGTH E	BANDS			
CATALOG «	WENCHE	CARTON	MARDWAFE	LEMETK	BAJUD
1-201-591-10	8,00 96	19	Y ₁ "	-500	70
1-201-38	19:00 24		- W	-900	197



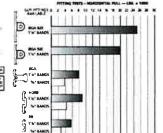
Carriage Sett - High-chings-Shock Si comagnition (ASTV A 48) - Numerical

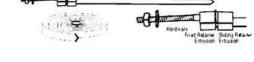
Aluminum Hardware Estrusions 63/1 Te Assession Jan - Tra skin redisma to ASTM 6721 A mineral testin strengt 38 900 FS1 - and non-main veld strength 68 55 600 FS.

CHIMLOG +	WEIGHT ALA.	CANTON	HARRIENARE	LEMETH	BANK
BAE 1836 2	3 50 TD	26	w	10.	390
EA5:0-843.0	4 (0) (0)	24	187	4.8	10.
BAR 5868 C	7.50 to	54	- 10	5.8	163

BAND STRENGTH WITH ALUMINUM OR STEEL ALLOY FITTINGS **BANDING STRENGTH TESTS** MAXIMUM BAND CAPACITY









CHIALDO /	MENDAT	EARTON	0ESCRIPTION
86 1511 H	60 B	24	em variet i N 17 1 in
HC48-1511 F	85 B	198	ering bary Medits with Sanziani Berli C. Son
#188-1511-h3H	1.00 to	24	many that Minural Will Grant 1 (4) 3 3 8 8
-185 (511 H) 1-	96 lb	:34	of with the Thing
BB 211 35 7	MED	. 11	Co. sand apt Dyly Misse



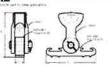
SE 15 1 H	60 F	29	am lande to this 2 state.
HCWR (1511 H	14 B	128	with they bear it for
r088/1511 h3H	1 00 tu	24	way toby Moure with cysol 1 fe's 3 big
=185 (511 H) 5=	96 lb	:34	many they bloom and to the things they
B8 211 18 2	MED	. 11	To severapt Dyly Milled with Elevant Select But



CAZALOG #	WEIGHT EA.	CARTON	BESCRIPTION
F 54 107	1.50 cm	24	Searce (Ally Sauged Say Attachment) spot (core)
F 14 570	2 60 Ibu	24	Redn See Barrel See American with Carry
B 34 525	4 259 154	24:	Frite was faily a seter No. Arts feren







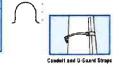






CONDUIT AND U-GUARD STRAPS

autu an i	AA, THOUSE	919.	DESCRIPTION			
CATALOG +	WEARNI ALA.	CARTON	FOR			
842.1	# 7A	- 24	1"	15-57	10%	
P T	11 Km	24	7	250	3-11	
Esto.	15 (36	24	3"	910	3.7	
EHT-6	171.756	72	4	450	477	
6914	27 154	24	5"	3610	51W	
8514	27 lbs.	24	2"	100	D/	



BOLT-A-BAND HARDWARE

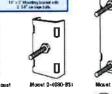
ALUMA-FORM

BANDED SERVICE DHUP ATTACHMENT						
	CHISTOG 4	WEIGHT &A.	carron	DESCRIPTION		
	ESC+32	082 RM	- N	Samulad Saryina Dinap Maryingan in ordinay hasel \$,000 Ma.		



CITALOG & WINOW ILA CARTON STR O16 lbs 100 **GENERAL PURPOSE MOUNT**





Banded Cable Tie Retaiger

DRMER I	MOUNTING	BRACKE	T
CATALOG 0	WEIGHT ALA	CANTON	DESCRIPTION
125-001-90	9.3 lbs		manner tendence brand







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LOCATION NO:

DRAWN BY:

14807746

EZG

CHE	CKED BY:	
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D	12/02/2019	100% CD'S FOR REVIEW
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CRAN_RSFR_SAC01_020

POLE #33345 IN THE PUBLIC R.C.W. 8873 LEWIS STEIN RD ELK GROVE, 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

Barren 13 ...for standard large format light pole banners



Diagram regard at Earner Stor. 181. Distance has endired the term At three to by come the percentally of the banner hardware indicity. BVADE to the problem of one of for standard utility and light pole notaliation + EW E + postion aren can he adopted without moving the mancapting or can be removed altogether and replace forth taggin base but holden. BetweentackEWID of one he propress revel of digrati lay and erformance and, cest of all there are o move of the case of their provided peace of mind for years to come

Features

- · Paterior
- · train days
- * L'4 m · Device of Lamber Spinish
- . One of English Responsible and
- Guest or Egypte Potential Constitution
- · Start Start Annual Annual
- · for the state of the stayle wide, · No About the beautiful to

The benchmark of the banner bracket industry.

KBW BarnerFlexiblackets have to specuring belatan read rousands of poles worldwide On-site adjustments of poor the make Earner Floor the installer is first dip de Corrosion-réplicant construction means maintenance free performance for wars.



ese tools and hardware make. mutalistion of Eurose-New brackets rasy, fast and absolutely secure. All fastoners are made of stainlesssteel to ensure cosmal performance ontact your f.BW. Representative to determine which installation method is right for your project.



The Square File Adapt I may be used when pland no BannerFley bradiets of to square up ity poles that an \$1 or larger in width. The Tiri Donn Cladret. allows the lower portion of a pancier. citute in the preeze Calivour EBW Representative for advice on the use. of 10 block flagters



Earne Berlings storied addition estativ to your banner hardware install then The Flag Pointhicider should Plant historymay selplaced modified report when painters are not drop agod. The Flag Fore Holder for ceptingly mother. Distributions of Tell with holder is ganded upward playery to be action 4 s é qui and resist sing it.



1.6 Fortige Street Licenses - M. 4 (*) 8 (* 121 GUZ - 14) Str. 40 % - FOX (749 JUL) 2011 www.consort.com

About Banner Bracket Design...

Hardware is the most important part of a successful banner system. When included he amazon bank er Well-spill (I.E. Millin 1993), politically greats included thicking a column to reduce the affice on utility pitles and indicase. panner for group. The result was Barrier Eq., the first bradist in the industrivate use pull-oded abordads arins. rather than stop. This one hall blacket was recorded and awardadia IIIS patent in 1969, and further retinements carrie in 1997 and 2005

The dealermed farme Fig. is that displied treme doug account of word touce and still return to its priority shape The bradiets are parted tangled as the top are angles of obtaining and the portion aim andles plicative Gray's The wind load is immediately transferred

from the banner to the flexible fiberglass arms length then absorbs some of the stress produced by the wind. eliminating till-meed for unsightly windishts (which reduce the longezity of the banner and have also been proves meffect, all for stress reduction.

We have trivested duritidensale resources to establish hebb as the exclests in panners and horoware and fermion complitted to ting he the safest most secure adjusces of the evendranging fleeds of our barrier distortion. Dirily FlanmerEngthap or en auccessfully who tunnel tosted of hurr carry torge wind speeds - without felure. And, our revolutionary new Airow rod sheds even more wind

FBW is group to praying extensive engineering data to assist in determining the suitability of beliners on utility. poles. The KBW W not-Force Calculator can guiday assist. enomicers with analysis. Because wieldships personally deb in meld a unitry polo is suitably at onglendugh. we economic outers to chard, or data with a qualified professional deforé plinchasing Lanner traditios. We are countern your research will lead you to bannerflier by

for native detailements extraplianal please ball (IDC) \$25(4.74 of yest www.kalamazoebanner.com and or he deline and devants at the times of a paper of in ordana to user Cong. minor Fanno i Hardwark 1

Roger M Lepley, AIA

Cartist Display Group



Technical Data

Table 1 lists the technical data of the PSU variants.

Technical		PBU AC 01	POU AC 02	PSU AC 03	PSU AC 06	PSU AC 08	PSU 24 01	P\$U 49 02
Macross prover dissepance (W)		200	70	:170.	80	60.	200	96
Temporatu	Range	40 to •70	40 to -55	40 10 +70	40 to +55	40 to -56	40 10 170	40 to +68
L C)	Livriled perfurms non (cold start-up)	40 to 10	40 to 85	40 to	40 to 323	•	40 to -10	40 to -30
	Direct Control	456 to +70	N/A	466 lo+70	N/A		+66 to +70	N/A
Input Cher actentics	Nominal Input vot age	100-250 V AC	100-250 V AC	100-250 V AC	100-250 V AC	100-250 V AC	27.2 V DC	-54.5 V DC
	Flated operating yollage range	86-276 V AC	90-278 V AC	88-275 V AC	85-276 V AC	85-275 V AC	16 5 % +30.0 Y DC	-38.5 to -88.5 V DC
	Emma rpulline	10 Although, et 1,200 W. 11 Although at 1800 W. 1	For 700 Woutput 12 Aarl 100 V AC 6 A at 200 V AC	In Appropriate the Appropriat	For 1000 W Output 118.A at 100 V AC 8 A at 200 V AC 200	For 1000 W cutput power? 18 A art 100 V AC	BC A for 1200 W 1P5 A for 1,000 W	For 700 W output to power to Min 25 A Max 80 A
	Input cums of reling	9 A at 1,200 W 14 A at 1,800 W	9 A st 100 V AC 45 A st 200 V AC	8, 10, 12a and 15 A	13 A m 100 V AC 6 6 A m 200 V AC	11 A at *00 V AC	5C A at 1,200 W 100 A at 1,800 W	≤20 A

\$15511/A 701 0001 Let N 2015/0/40

Table 1 PSU Technical Data

Tochvelcal Dala		PSU AC DI	POU AC 02	PSU AC 03	PSU AC 06	PBU AC 00	PBU 24 01	P\$U 46 02
Duput Character tabca	Default output vottage	54 5 V DC	54.5 V DC	54.5 V DC	54.5 Y DC	- SLE V DC	BABYDC	-545 V DC
	Voltage	-42.0 to 58.5 V DC	-84.0 to 85.0 V DC	-42 0 to 68.6 V DC	- 54 0 m 56 0 V DC	-42 D to 56.5 V DC	630 to 86.0 V	10 56.0 V DC
	Over,	1,200 pr 1,600 W	700 W	See 140ie E	1000 W	1000 W	1,200 pr 1,800 W	700 W
Dimension	Height	43 mm	50 mm	43 mm	66 mm	100 mm	43 mm	08 mm
•	With	145 mm	330 mm	145 mm	274 cm	286 mm	146 mm	330 mm
	Degree	225 mm	179.00	225 min	180 erm	180 mm	225 mm	1/9 200
	Wegt	×22 No	5.P kg	€2.3 kg	5.2 40	< 5.2 kg	< 2.2 kg	5.2 kg

(1) The assemble AC power having of the cabrier must meet the characteristic haso, typic gl.-gG-gD in accordance with IEC/EN 80 286-1 and UL 248-8 and characteristic circuit breaker in accordance with IEC 90 947-2 and UL 459.

(2) The adatment Do power having of the accident must when the characteristic have, type gl-y-gD-ph accordance with IEC/EN 80 286-1 and UL 248-8 and characteristic circuit breaker in accordance with IEC 90 947-2 and UL 489A.

Table 2 lists the output power of PSU AC 03.

Table 2 PSU AC 03 Output Power

Input Current Rating (A)	Input Voltage (V AC)	Output Power (W)	
8	> 250	1800	
	180	linear derated to 1300	
10	> 250	2300	
	180	linear derated to 1600	
12.5	> 215	2500	
	180	linear derated to 2100	
15	> 180	2500	





LOCATION NO:	14807746
DRAWN BY:	EZG
CHECKED BY:	ММ

D	12/02/2019	100% CD'S FOR REVIEW
В	11/22/2019	95% CD'S FOR REVIEW
Α	09/12/2019	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

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CRAN RSFR SAC01_020

POLE #33345 IN THE PUBLIC R.C.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

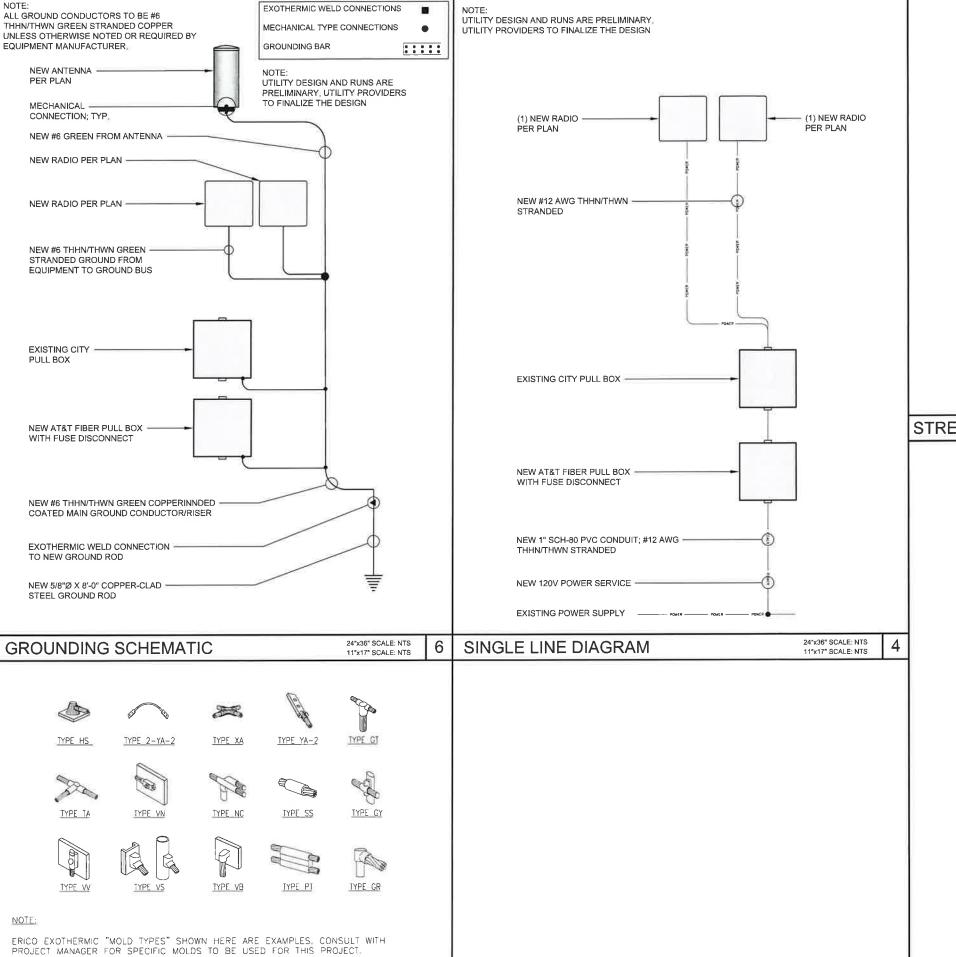
SHEET TITLE

BANNER BRACKET

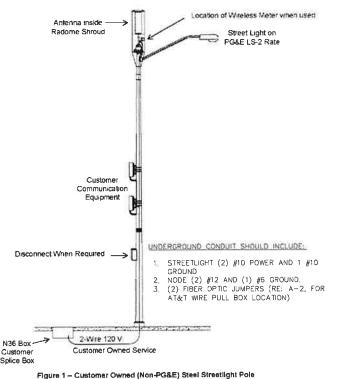
SHEET NUMBER

D-4

RESTRICTED TO BEEN LINEAR TO THE RESTRICT







with Antenna and Communication Equipment

STREETLIGHT POLE

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

UNDERGROUND ELECTRIC SERVICE NOTES:

UL APPROVED SCHEDULE 40 OR 80 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 ADJACETH BUILDING.

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 06228B. 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 06228B.

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 THE RISER TO THE METER PANEL, OR AT A MAXIMUM OF 6 FEET AWAY TO THE METER PANEL ALONG THE SERVICE RUN.

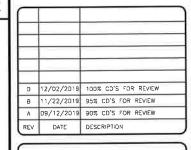
MAIN SERVICE	0011D1117 C17F	CABLES REQUIRED TO SERVE MAXIMUM LOAD					
PANEL RATING	CONDUIT SIZE	ALUM	NUM	COPPER			
(AMPS)	AND NUMBER	PER PHASE	NEUTRAL	PER PHASE	NEUTRAL		
100	1*-3*	1-1/0	#2	NA	NA		
CONDUIT DIAMETER		VERTICAL	RADIUS	HORIZONTAL			
3	- F	2	4-	36"			







П	LOCATION NO:	14807746
П	DRAWN BY:	EZG
1	CHECKED BY:	мм



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POLE #33345 IN THE PUBLIC R.O.W. 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER

E-1

CADWELDS 24*x36* SCALE: NTS 11*x17* SCALE: NTS 11*x17* SCALE: NTS 15* NOT USED 3 ELECTRICAL SERVICE NOTES

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

NTE LA

MUTCD REFERENCE GUIDE:

- 12 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
- 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 MUTCO 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 35 MPH ON LEWIS STEIN RD

Posted Speed			Minimum Taper Lengths												
	Formula	Buffer Space							Maximum *Cone Spacing Sig		Sign Spacing	LIDG			
			L	½ L	1/3 L	L	½ L	1/3 L	L	½ L	1/3 L			\triangle	(Ft)
25		155'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	13'	100' To 200'	94'
30	1 11102	200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	15'	120' To 250'	113'
35	L = WS2	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' i	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	L = WS	495	550'	275'	183'	605'	303'	202'	660'	330'	2201	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'







LOCATION NO

14807746

DRAN	DRAWN BY:						
CHE	CKED BY:	ММ					
	12 (02 (2010	100% CD'S FOR REVIEW					
0 B	12/02/2019	95% CD'S FOR REVIEW					
Α		90% CD'S FOR REVIEW					
REV	DATE	DESCRIPTION					

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CRAN_RSFR_SAC01_020

POLE #33345 IN THE PUBLIC ROW, 8873 LEWIS STEIN RD ELK CROVE, CA 95758

SHEET TITLE

TRAFFIC CONTROL
PLAN NOTES

SHEET NUMBER

TCP-1

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.

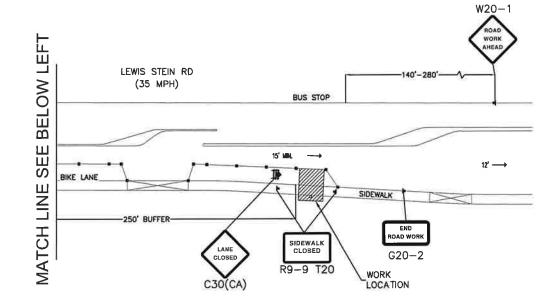
ALLOWABLE WORKING HOURS M-F: 8:30AM - 3:30PM SAT: 7:00AM - 5:00PM

NOTE:

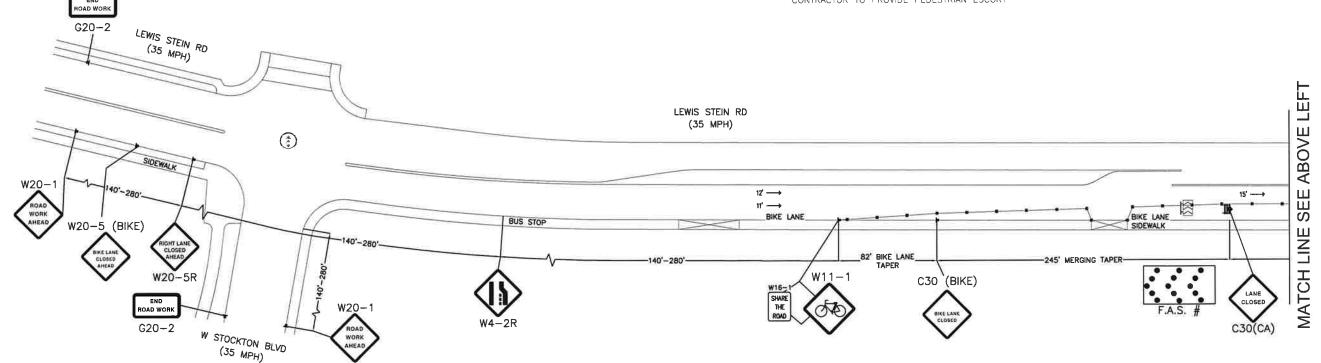
MAINTAIN ACCESS TO R/T BUS STOPS OR COORDINATE WITH R/T TO RELOCATE BUS STOP LOCATIONS, CONTRACTOR SHALL COORDINATE THE BUS STOP WITH R/T REPRESENTATIVE. (916) 321-2800

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

TRAFFIC CONTROL TO BE ARRANGED 72 HOURS IN ADVANCE OF CONSTRUCTION



NOTE: CONTRACTOR TO PROVIDE PEDESTRIAN ESCORT



	LEGEND								
Σ	FLASHING ARROW SIGN	Ħ	TYPE III BARRICADE						
0	CHANNELIZING DEVICE	曲曲	TYPE III BARRICADE W/ PROPOSED SIGNS						
	HIGH LEVEL WARNING DEVICE W/ PROPOSED SIGN	S	SIGNALIZED INTERSECTION						
•	PROPOSED SIGN AND POST	VIII	CONSTRUCTION AREA						
=	TYPE I BARRICADE	-	FLAGGER						
==	TYPE I BARRICADE W/ PROPOSED SIGNS								









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POLE #33345 IN THE PUBLIC ROW 8873 LEWIS STEIN RD ELK GROVE, CA 95758

SHEET TITLE

TRAFFIC CONTROL PLAN

SHEET NUMBER

TCP-2

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