

FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 1177521

PERMITTING JURISDICTION:

CITY OF VISALIA

STATE OF CALIFORNIA
CITY OF VISALIA
ON BEHALF OF
VISALIA POLICE DEPARTMENT

CONTACT LIST

PERMITTING

JEREMY HEUSLER
JEREMY.HEUSLER@FLOCKSAFETY.COM

PROJECT MANAGER

BOBBY SOKOLOWSKI
BOBBY.SOKOLOWSKI@FLOCKSAFETY.COM

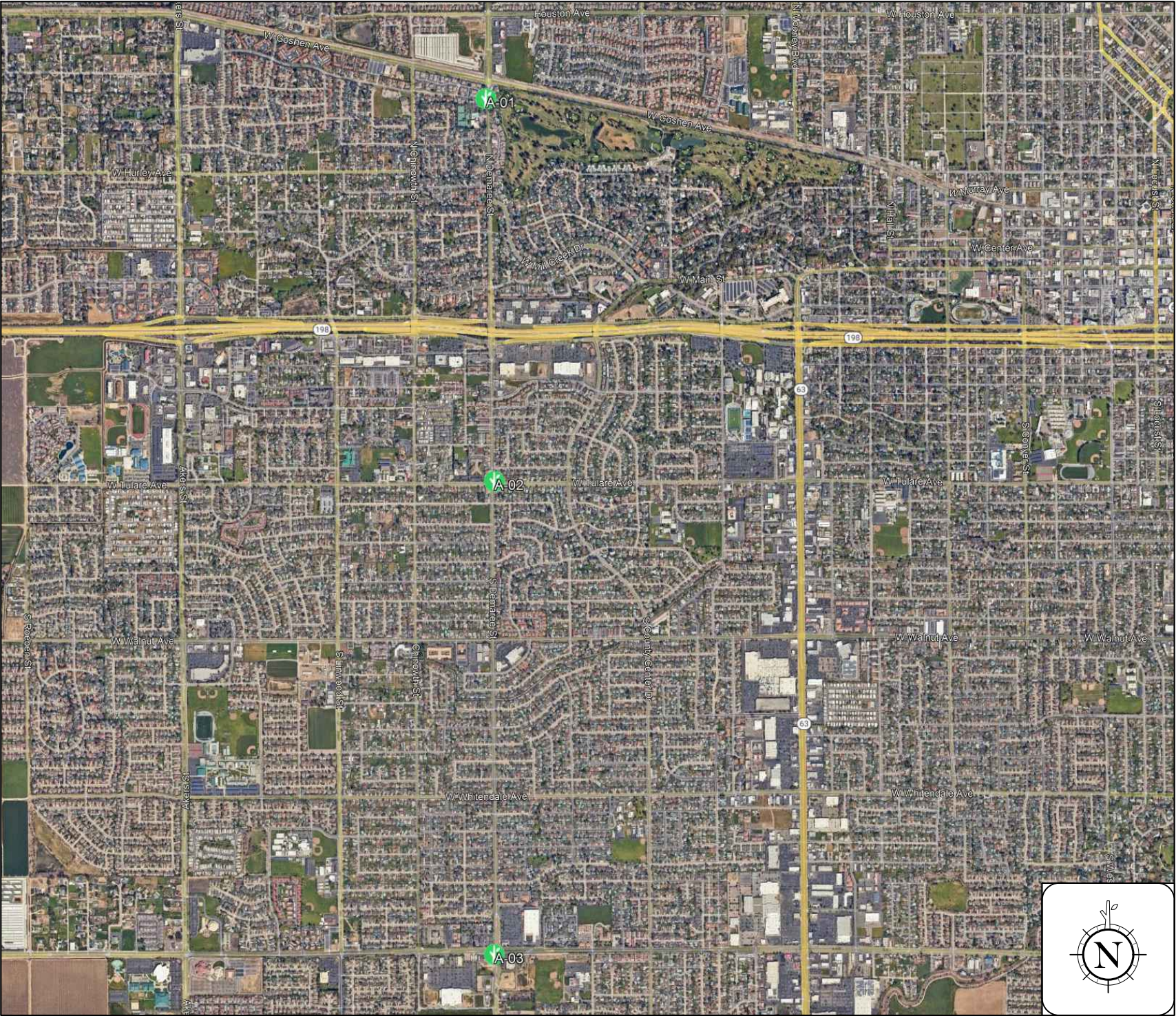
SEE APPROVED PERMIT FOR LISTED INSPECTOR*

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TCP.01	TRAFFIC CONTROL PLAN



SAFETY IS IN YOUR HANDS.
EVERY DIG. EVERY TIME.



VISALIA POLICE DEPARTMENT

303 S JOHNSON ST
VISALIA, CALIFORNIA 93291

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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COVER SHEET & LOCATION MAPS

SHEET:
T.01

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LINETYPES

	R/W	RIGHT OF WAY
	EOP	EDGE OF PAVEMENT
	SW	SIDEWALK
	C/L	CENTERLINE
	GAS	GAS
	WTR	WATER
	COMM	TELEPHONE
	ELEC	ELECTRIC
	SEW	SANITARY SEWER (SEW)
	SD	STORM DRAIN
	X	FENCE / GUARDRAIL
	UNK	UNKNOWN UTILITY
		RAILROAD

SYMBOLOLOGY

	CAMERA - PROPOSED
	CAMERA - EXISTING
	AUDIO DETECTION - PROPOSED
	AUDIO DETECTION - EXISTING
	POLE - PROPOSED
	POLE - EXISTING
	HANDHOLE - EXISTING
	HANDHOLE - PROPOSED
	PEDESTAL - EXISTING
	MANHOLE - EXISTING
	POINT OF INTEREST
	ACCESS POINT
	CULVERT - EXISTING
	FIRE HYDRANT - EXISTING
	WATER MAIN - EXISTING
	WATER VALVE - EXISTING
	GAS VALVE - EXISTING
	DOWN GUY AND ANCHOR
	OVERHEAD GUY
	BORING REQUIRED
	UG CONDUIT - EXISTING

ABBREVIATIONS

ABAND	Abandoned	MAX	Maximum
AASHTO	American Association of State Highway and Transportation Officials	MB	Mailbox
		MH	Manhole
ADA	Americans with Disabilities Act	MIN	Minimum
ALPR	Automatic License Plate Reader	MIT	Mitigation
APPROX	Approximate	MKR	Marker
ASPH	Asphalt	MMV	Meet Me Vault
BLDG	Building	MON	Monument
CL	Centerline	MOT	Maintenance of Traffic
CMP	Corrugated Metal Pipe	NO	Number
CO	County	OC	Open Cut
CONC	Concrete	PRK MTR	Parking Meter
CSG	Casing	P/L	Property Line
CT	Count	PED	Pedestal
CULV	Culvert	PI	Point of Inflection
DB	Directional Bore	PKG	Package
DBH	Diameter at Breast Height	PVC	Polyvinyl Chloride
D.D.	Down Drain	RCB	Reinforced Concrete Box
DEPT	Department	RCP	Reinforced Concrete Pipe
DIA	Diameter	RD MEM	Roadside Memorial
DIR	Directional	REQD	Required
DIST	District	RGS	Rigid Galvanized Steel
DOC	Depth of Cover	ROW	Right of Way
DOT	Department of Transportation	RR	Railroad
DWG	Drawing	SCB	Sprinkler Control Box
DWY	Driveway	SD	Storm Drain/Curb Inlet
E MH	Electric Manhole	SDMH	Storm Water Manhole
E MKR	Electric Line Marker	SEC.	Section
E PED	Electric Pedestal	SF	Silt Fence
E VLT	Electric Vault	SMH	Sanitary Sewer Manhole
EM	Electric Meter	SPL	Splice
ENC	Encased	SS CO	Sanitary Sewer Clean Out
ENG	Engineering	SS LIFT	Sanitary Sewer Lift Station
EOP	Edge of Pavement	STA.	Station
EPB	Electric Pull Box	STD	Standard
EXIST	Existing	STR	Section Township Range
FDH	Fiber Distribution Hub	SWPPP	Storm Water Pollution Prevention Plan
FDT	Fiber Distribution Terminal	T HH	Telecom Handhole
FH	Fire Hydrant	T MH	Telecom Manhole
FO	Fiber Optic	T MKR	Telecom Line Marker
FO MH	Fiber Optic Manhole	T PED	Telecom Pedestal
FO MKR	Fiber Optic Line Marker	T VLT	Telecom Access Vault
FO VLT	Fiber Optic Vault	T.P.	Trench Plug
FOC	Face of Curb	TCB	Traffic Control Box
FS	Filter Sock	TCE	Temporary Construction Easement
G MH	Gas Manhole	TCV	Traffic Control Vault
G MKR	Gas Line Marker	TRF MH	Traffic Control Manhole
G SD	Grated Storm Drain	TSO	The Stationery Office
GALV	Galvanized	TSP	Traffic Signal Light
GEO SRV MKR	Geodetic Survey Marker	TYP	Typical
GM	Gas Meter	UG	Underground
GV	Gas Valve	UNK MH	Unknown Manhole
GWMW	Groundwater Monitoring Well	UNK PED	Unknown Pedestal
HDPE	High Density Polyethylene	UNK UTL MKR	Unknown Utility Marker
HH	Handhole	UNK VLT	Unknown Vault
HWY	Highway	UTL LP	Utility Light Pole
I.P.	Inlet Protection	UTL P	Utility Pole
ILA	In Line Amplifier	VLT	Vault
INC	Incorporated	VP	Gas Vent Pipe
INT	Intermediate	W MH	Water Manhole
L/A ROW	Limited Access Right of Way	W MKR	Water Line Marker
LF	Linear Feet	W SPG	Water Spigot
LOC MKR	Locating Marker	W VLT	Water Vault
LP	Light Pole	WM	Water Meter
LRFD	Load and Resistance Factor Design	WV	Water Valve

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COVER SHEET & LOCATION MAPS

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T.02

REV:
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GENERAL & CONSTRUCTION NOTES

1.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.
2.

ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
3.

CONTRACTOR SHALL ENSURE ALL PROPOSED EQUIPMENT INSTALLED IS IN ACCORDANCE WITH NESC REQUIREMENTS AND CLEARANCES.
4.

ALL CONSTRUCTION AND/OR MAINTENANCE ON THE CALIFORNIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE CALIFORNIA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLANS PREPARATION MANUAL AND DRAINAGE MANUAL.
5.

THE PERMITTING AGENCY RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHODS OF INSTALLATION, SCOPE OF WORK AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY AND ENVIRONMENTAL WELL BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
6.

SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT’S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENTS MINIMUM STANDARDS BE ALLOWED.
7.

FLOCK SAFETY SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.

7.1.

INSTALLS INVOLVING FLOCK SAFETY PROVIDED POLES, A MINIMUM OF 2’ SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
8.

THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00AM TO 5:30PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
9.

FLOCK SAFETY SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
10.

WORK INVOLVING TEMPORARY LANE CLOSURES ARE TO BE DONE BETWEEN THE HOURS OF 8:00AM AND 5:00PM. MONDAY THROUGH FRIDAY UNLESS OTHERWISE STATED BY THE DEPARTMENT OF TRANSPORTATION.
11.

CONTRACTOR SHALL PROVIDE SAFE ACCESS PER CURRENT GENERAL STANDARDS FOR ALL PEDESTRIAN TRAFFIC REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
12.

NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS IN PLACE PRIOR TO PATHWAY BEING AFFECTED.

12.1.

ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
13.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION.
14.

NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION.
15.

ALL WORK ZONES ARE TO BE SET UP AND MAINTAINED BY SOMEONE WHO HAS THE CALIFORNIA DEPARTMENT OF TRANSPORTATION INTERMEDIATE TRAFFIC CONTROL LEVEL TRAINING OR EQUIVALENT.
16.

THE PERMITTING AGENCY RETAINS THE RIGHT TO MAKE ALTERATIONS TO THE PERMIT, ATTACHED SKETCH OR CHARACTER OF WORK AS MAY BE CONSIDERED NECESSARY OR DESIRABLE DURING THE PROGRESS OF THE WORK FOR SATISFACTORY COMPLETION OF THE PROPOSED CONSTRUCTION.
17.

THE PERMITTEE SHALL NOTIFY THE PERMITTING AGENCY OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
18.

IF THE PROPOSED CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY GENERAL SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
19.

CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK AND TO THE SATISFACTION OF THE STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY AT NO ADDITIONAL COMPENSATION.

19.1.

RESTORATION MAY INCLUDE BUT IS NOT LIMITED TO GRADING AND SODDING IN ANY DISTURBED AREA.

19.2.

ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

20.

IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO GENERAL FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.

21.

ALL ROADWAY PAVEMENT, CURBS,GUTTERS AND STORM WATER COLLECTORS WILL BE KEPT FREE OF MUD AND OTHER DEBRIS AT ALL TIMES DURING CONSTRUCTION.

22.

NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.

23.

THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.
- ADA COMPLIANCE NOTES:
1.

ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II AND ALL STATE DEPARTMENT OF TRANSPORTATION AND LOCAL STANDARDS. USE STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS FOR PEDESTRIAN CONTROL PLANS FOR CLOSURE OF SIDEWALK.

2.

MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.

3.

NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK UP TO 7'-0" IN HEIGHT.
- DRAWINGS
1.

THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.
- SPECIFICATIONS
1.

THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN “MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES,” PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN FLOCK SAFETY AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.
- MATERIALS
1.

INSTALLER SHALL RECEIVE FLOCK SAFETY MATERIALS AT A FLOCK SAFETY LEASED WAREHOUSE FACILITY OR AT THE LOCAL TSO LOCATED AT (CONTACT 24 HOURS IN ADVANCE): 1170 HOWELL MILL RD NW, ATLANTA, GA 30318.

1.1.

ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS.

2.

THE RECEIPT OF ALL MATERIALS SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS MADE ALL NECESSARY EXAMINATION AND INSPECTIONS, AND IS SATISFIED AS TO THE QUALITY AND QUANTITY OF MATERIALS RECEIVED.

3.

ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME

SAFETY AND PRECAUTIONS

1.

ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE FLOCK SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.

2.

THE WORK UNDER THIS INSTALLATION WILL BE CONSTRUCTED ALONG RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND/OR LOCAL AREA IN ADVANCE OF ANY EXCAVATION, BORING OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.

3.

INSTALLER SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. INSTALLER SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.

4.

INSTALLER SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.

STAKING AND SCHEDULING

1.

ALL STAKING WILL BE PROVIDED BY FLOCK SAFETY. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING: THEREFORE, THE INSTALLER SHALL COORDINATE ALL CLEARING AND PLACING OPERATIONS WITH THE FLOCK SAFETY PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.

2.

FLOCK SAFETY WILL PROVIDE RAILROAD, FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH FLOCK SAFETY.

3.

IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST THE CONTRACTOR SHALL ALSO SUBMIT TO THE FLOCK SAFETY PROJECT SUPERVISOR, DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

PERMITS

1.

FLOCK SAFETY HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF PIPES AND/OR CABLE UNDER DITCH, TRACKS AND ROADS AND PLACING PIPES AND/OR CABLE ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS.

2.

CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO FLOCK SAFETY. ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR’S RESPONSIBILITY. TRAFFIC CONTROL PLANS PROVIDED BY CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.

SCOPE OF WORK

1.

THIS PROJECT SHALL CONSIST OF THE FOLLOWING OPERATIONS: THE WORK PACKAGE IS FOR THE INSTALLATION OF FLOCK SAFETY EQUIPMENT WHICH INCLUDES BUT IS NOT LIMITED TO: FLOCK SAFETY PROVIDED POLES, POLE MOUNTED SOLAR PANELS, AND EXTERNAL BATTERY PACKAGES.

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flock safety

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COVER SHEET & LOCATION MAPS

SHEET: GN.01	REV: 0
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THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURROUNDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW CITY OF VISALIA GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

LOCATION DATA

SHEET	LOCATION NAME	LATITUDE	LONGITUDE	NEAREST ADDRESS	PRODUCT	POLE TYPE
A.01	P#011 Demaree @ Goshen SB	36.337978	-119.332104	1003 N Demaree St, Visalia, CA 93291, United States	PICARD	Flock Pole - 12 ft
A.02	P#012 Demaree @ Tulare NB	36.320218	-119.331621	3636 W Tulare Ave, Visalia, CA 93277-1780, United States	PICARD	Existing Traffic Signal Pole
A.03	P#016 Caldwell Ave @ Demaree St EB	36.298231	-119.331621	3717 W Caldwell Ave, Visalia, CA 93277, United States	PICARD	Existing Traffic Signal Pole

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LOCATION INFORMATION

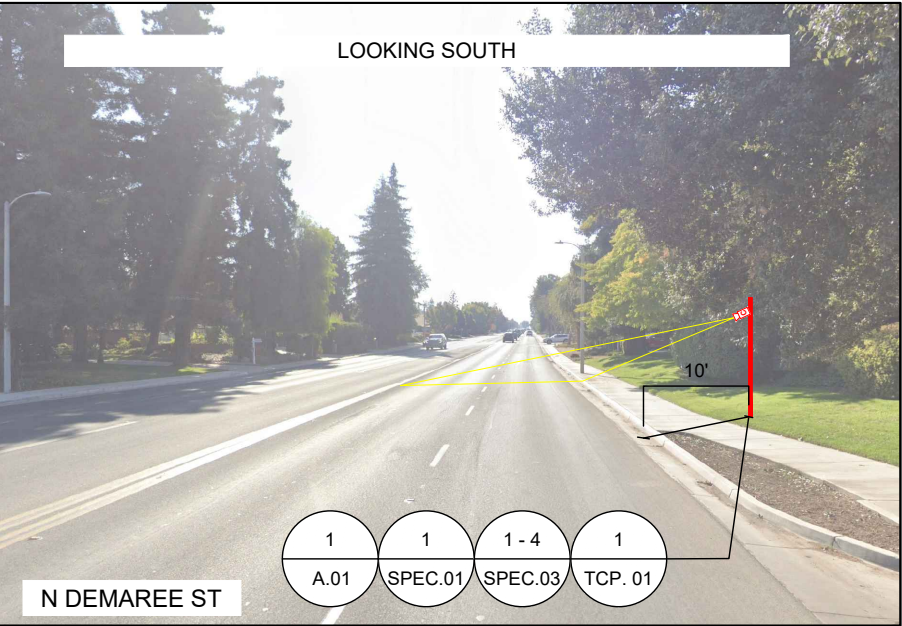
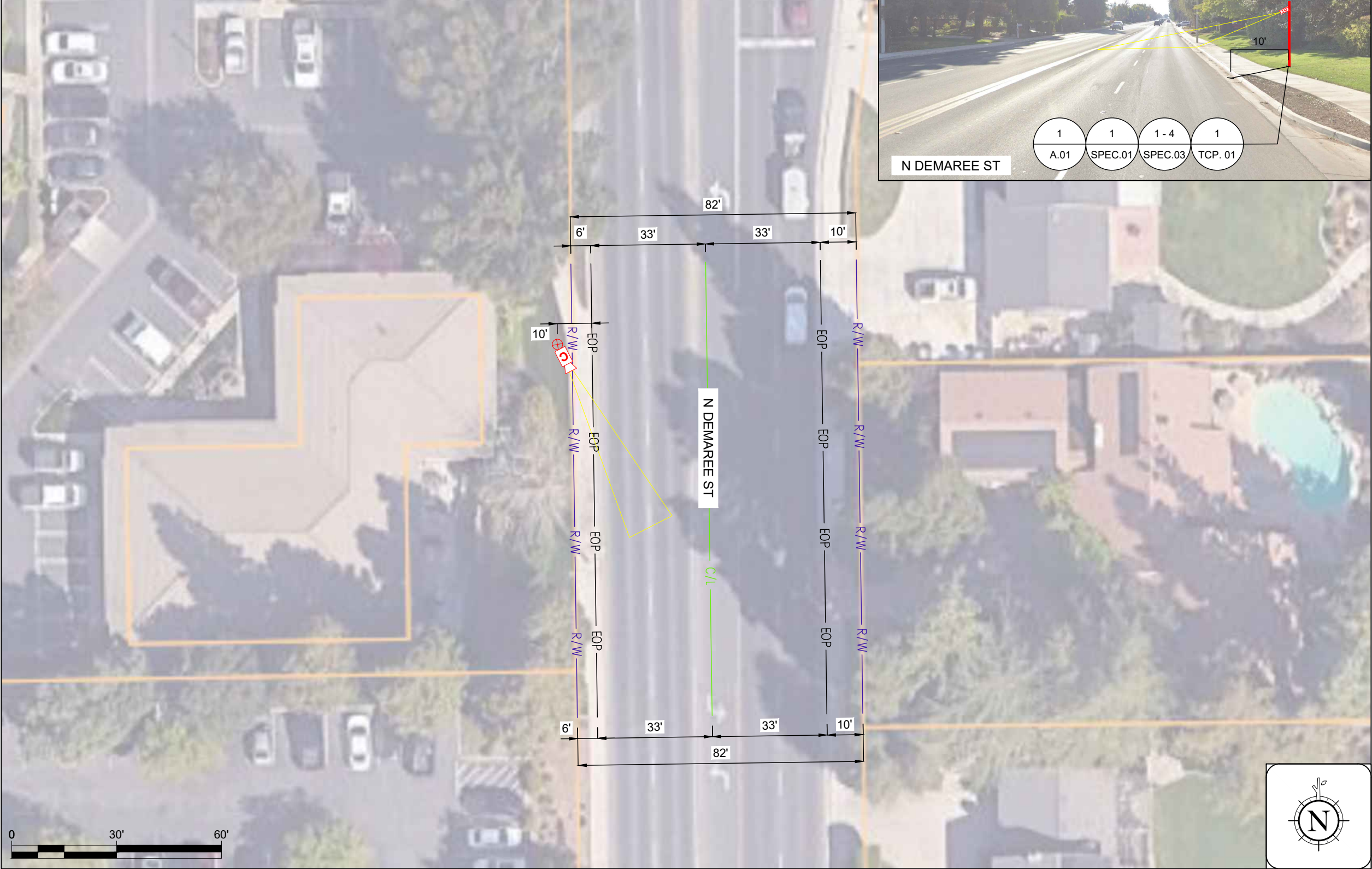
PROPOSED FLOCK EQUIPMENT ON PROPOSED 12'-0" FLOCK POLE

P#011 DEMAREE @ GOSHEN SB

36.337978,-119.332104

10' FROM EDGE OF PAVEMENT

1 *REFERENCE TYPICAL DETAIL ON SHEET SPEC.01



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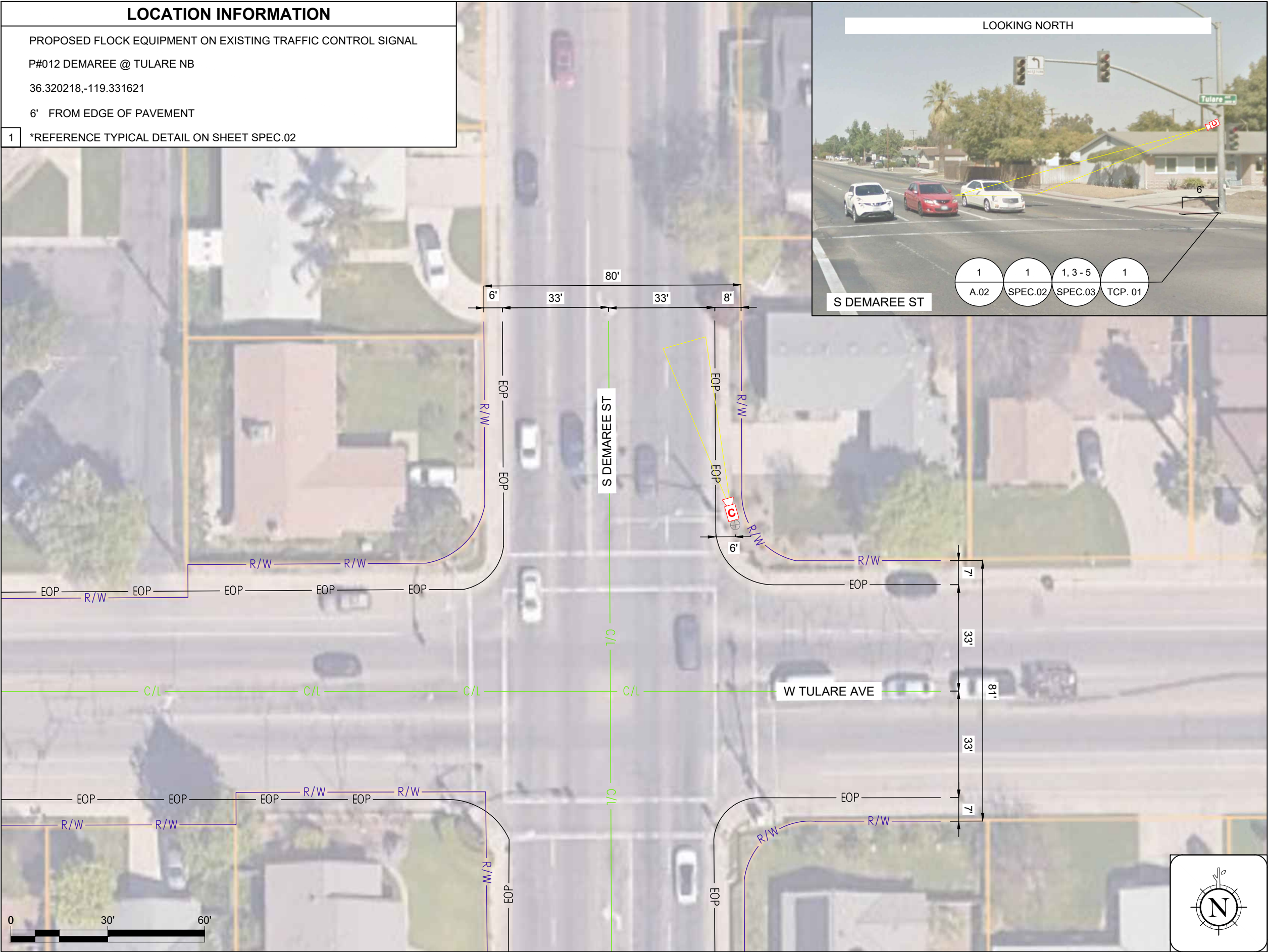
PROPOSED FLOCK EQUIPMENT ON EXISTING TRAFFIC CONTROL SIGNAL

P#012 DEMAREE @ TULARE NB

36.320218,-119.331621

6' FROM EDGE OF PAVEMENT

1 *REFERENCE TYPICAL DETAIL ON SHEET SPEC.02



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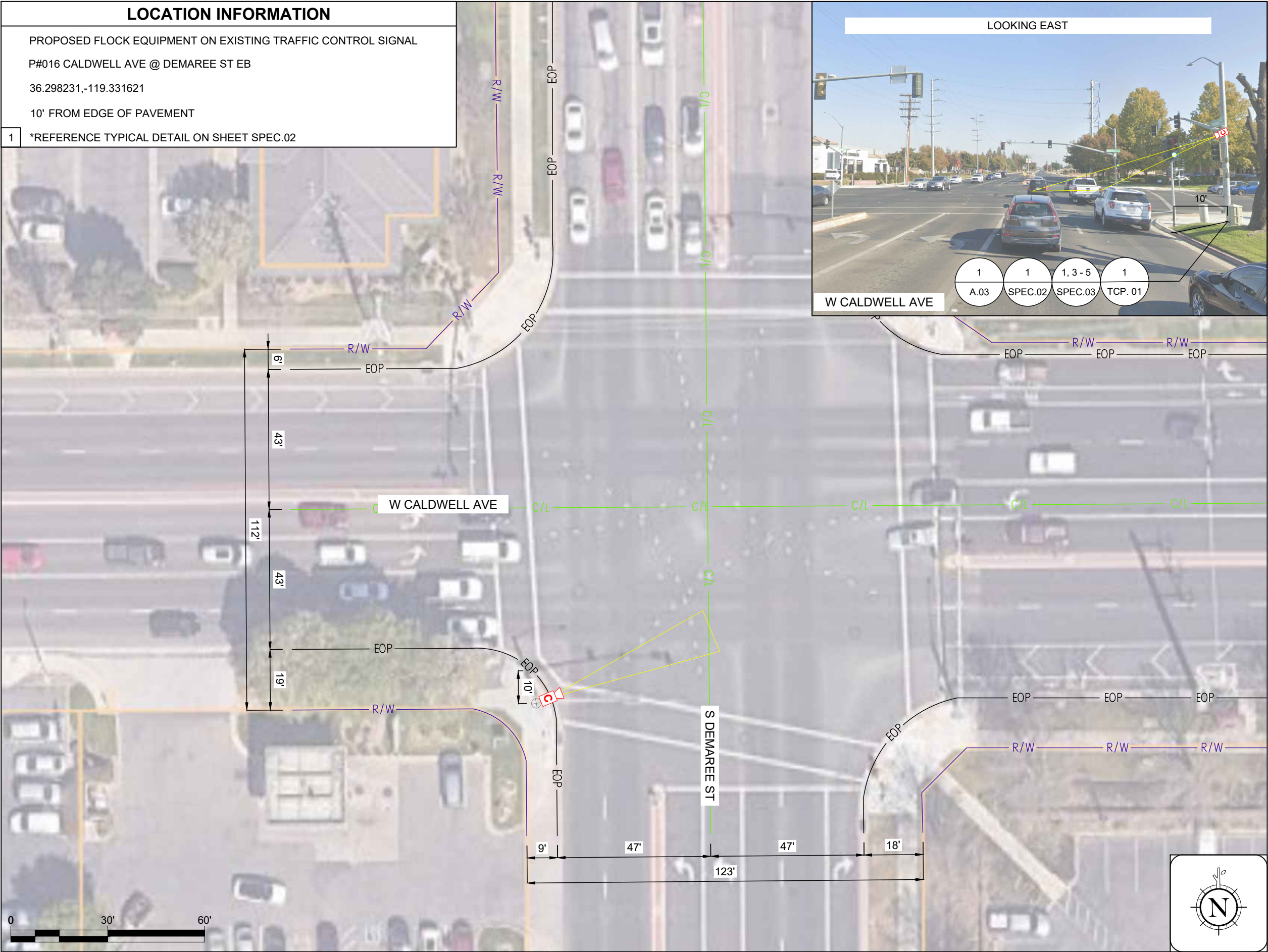
PROPOSED FLOCK EQUIPMENT ON EXISTING TRAFFIC CONTROL SIGNAL

P#016 CALDWELL AVE @ DEMAREE ST EB

36.298231,-119.331621

10' FROM EDGE OF PAVEMENT

1 *REFERENCE TYPICAL DETAIL ON SHEET SPEC.02



LOOKING EAST

W CALDWELL AVE

S DEMAREE ST

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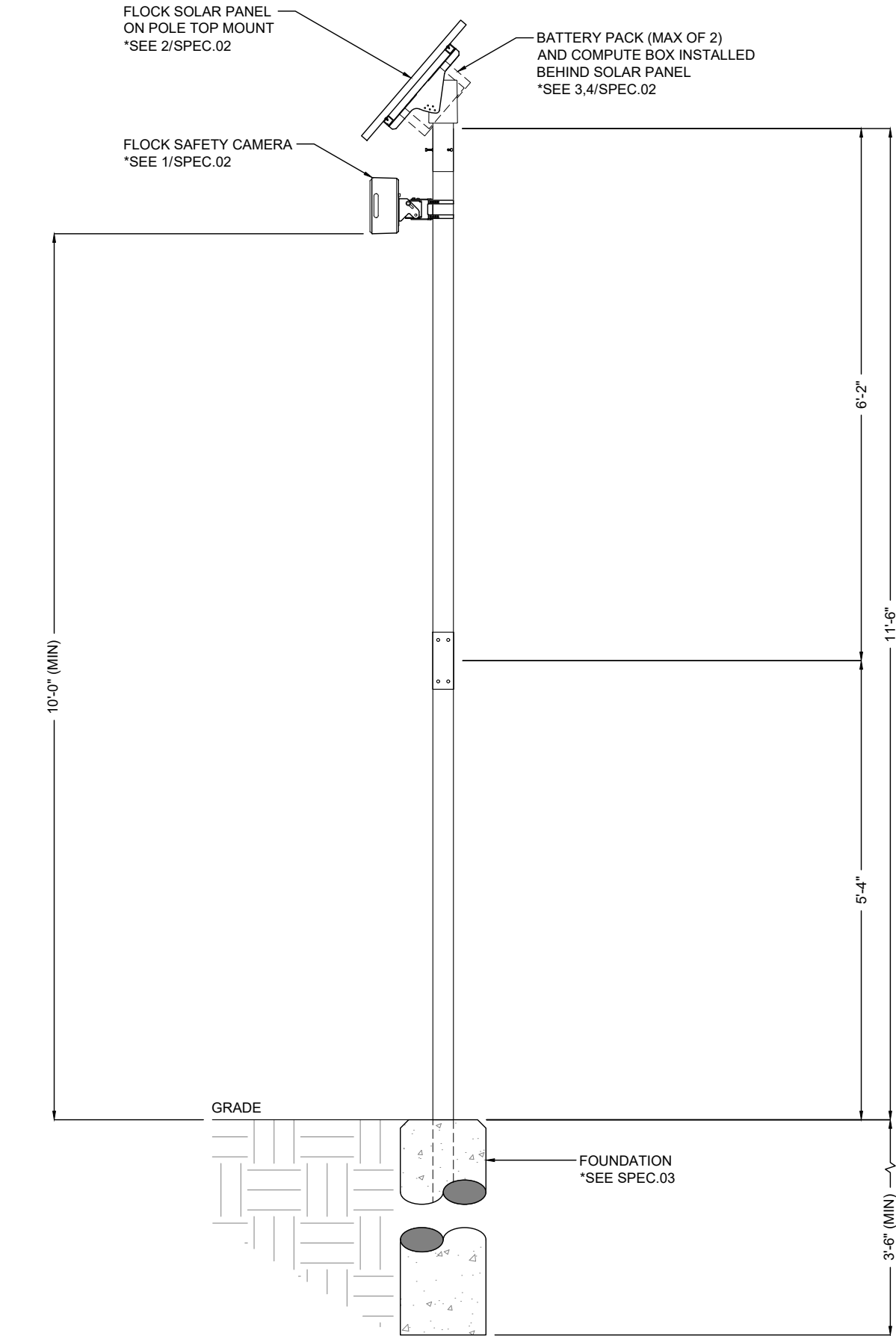
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A.03

REV:
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1 POLE ELEVATION DETAIL
SCALE: 1:20

DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
- 1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
 - 1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING CRITERIA:
- 2.1. DESIGN WIND SPEED (Vult): (SEE SECTION 2.6)
 - 2.2. RISK CATEGORY: II
 - 2.3. EXPOSURE CATEGORY: C
 - 2.4. TOPOGRAPHIC CATEGORY: 1
 - 2.5. SEISMIC DESIGN CRITERIA:
 - 2.5.1. SOIL SITE CLASS: D (ASSUMED)
 - 2.5.2. SPECTRAL RESPONSE, Ss: 1.000g (MAXIMUM)
 - 2.5.3. SPECTRAL RESPONSE, S1: 0.400G (MAXIMUM)
 - 2.5.4. SEISMIC DESIGN CATEGORY: B
 - 2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

- 2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPSD POLE WITH A MINMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

GENERAL & CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
- 3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
- 4. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

- 1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
- 2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
- 3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
- 4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK. UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

VISALIA POLICE DEPARTMENT

303 S JOHNSON ST
VISALIA, CALIFORNIA 93291

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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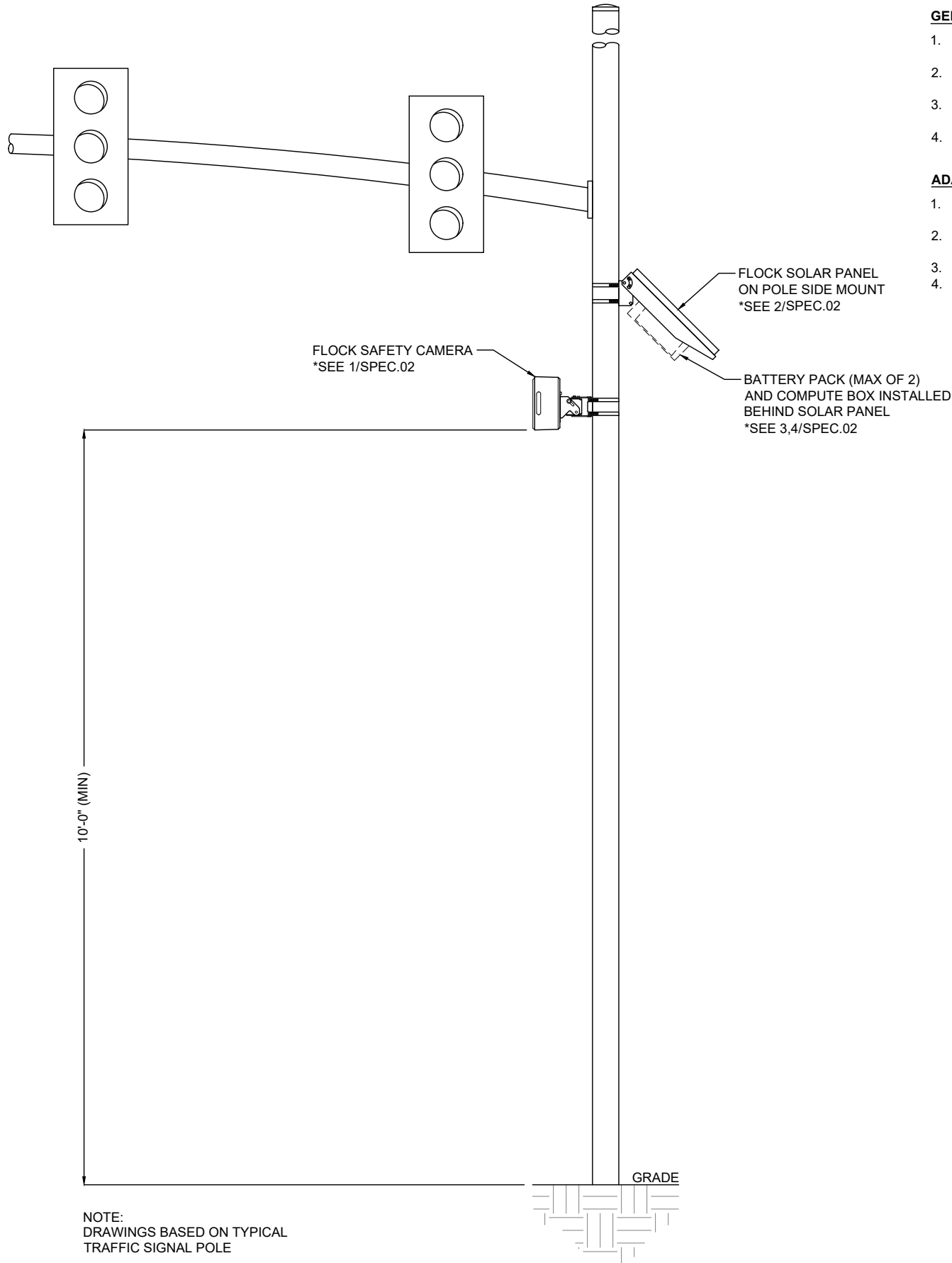
FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 1177521
PERMITTING JURISDICTION:
CITY OF VISALIA

COVER SHEET & LOCATION MAPS

SHEET:
SPEC.01

REV:
0



GENERAL & CONSTRUCTION NOTES

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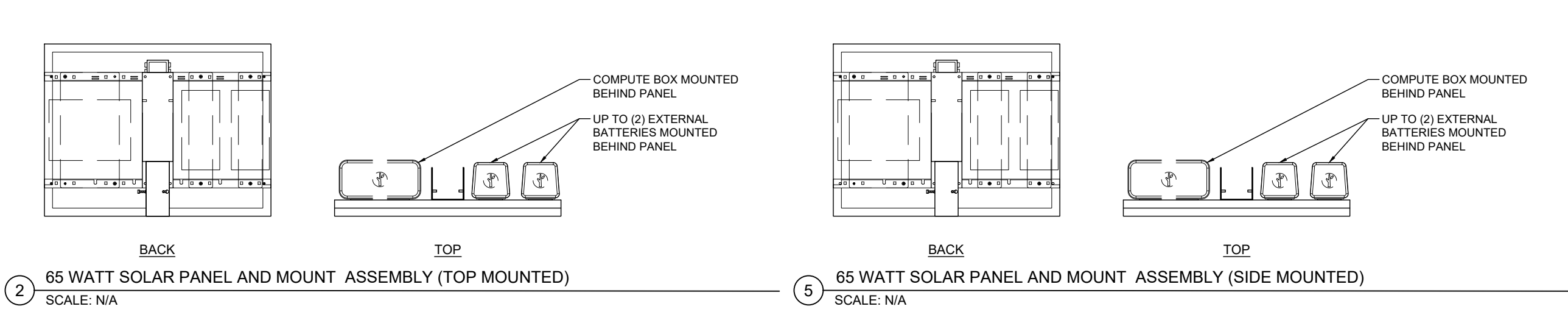
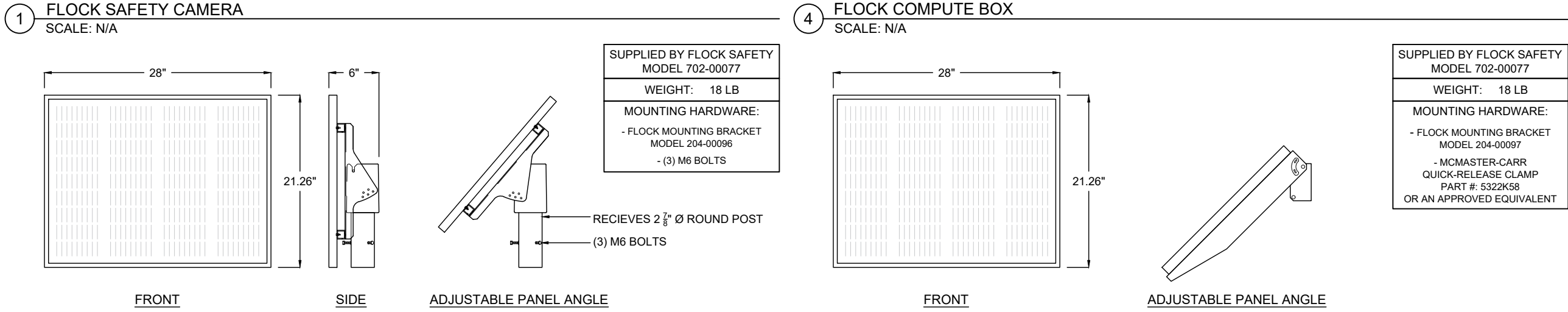
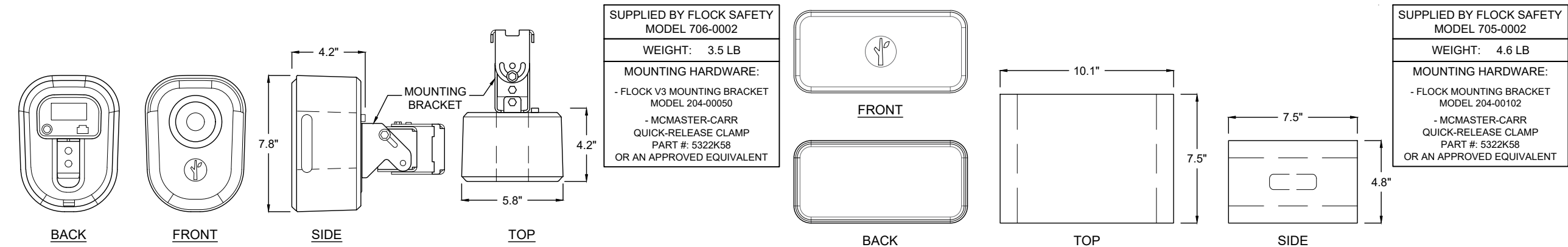
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SHEET:
SPEC.02

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1 POLE ELEVATION DETAIL
SCALE: N/A



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GENERAL NOTES AND TRAFFIC DESIGN TABLES

1. TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (FHWA) AND STATE STANDARD PLANS.
2. ALL AFFECTED RESIDENTS, BUSINESSES, AGENCIES, AND SCHOOLS ACCESS SHALL BE MAINTAINED AT THE TIME OF INSTALLATION.
3. TEMPORARY NO PARKING SIGNS SHALL BE POSTED 48 HOURS PRIOR TO START OF WORK.
4. ALL CONFLICTING SIGNS, STRIPING OR PAVEMENT MARKINGS SHALL BE COVERED OR REMOVED AND REPLACED WHEN WORK IS COMPLETED.
5. TRAFFIC CONTROL THROUGH A SIGNALIZED INTERSECTION SHALL BE CONDUCTED BY A LOCAL JURISDICTION UNIFORMED POLICE OFFICER OR A COMMUNITY SERVICE OFFICER ONLY. SHOULD WORK REQUIRE A SIGNAL TO BE OVERRIDDEN, ARRANGEMENT SHALL BE MADE WITH THE POLICE DEPT WITHIN ITS JURISDICTION AND TRANSPORTATION ENGINEERING DEPT AT LEAST 14 DAYS PRIOR TO START OF WORK.

California Temporary Traffic Control Handbook

Posted Speed	Distance Between Signs **		
	A	B	C
Urban 25 mph or less***	100	100	100
Urban more than 25 mph to 40 mph***	250	250	250
Urban more than 40 mph***	350	350	350
Rural	500	500	500
Expressway/Freeway	1,000	1,500	2,640

** Distances are shown in feet. The column headings A, B, and C are the dimensions shown on drawings No. 1-48. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The third sign is one in a three sign series encountered by a driver/motorist approaching a TTC zone).

*** Posted speed limit, off-peak 85th percentile speed prior to work starting, or the anticipated operating speed in mph.

Table B - Taper Length Criteria for Temporary Traffic Control Zones	
Type of Taper	Taper Length (L)
Merging Taper	at least L
Shifting Taper	at least 0.5L
Shoulder Taper	at least 0.33L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream taper	50 feet min., 100 feet max. per lane

Table C - Formulas for Determining Taper Lengths	
Speed Limit	Taper Length (L) Feet
40 mph or less	$L = WS^2/60$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset feet
S = posted speed limit, or off peak 85th percentile speed prior to work starting. Or the anticipated operating speed in mph

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California Temporary Traffic Control Handbook

Speed (mph)	% Downgrade (Buffer Space)			
	Level Road 0%	-3% (ft)	-6% (ft)	-9% (ft)
	(ft)	(ft)	(ft)	(ft)
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

Table E – Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)				
Speed* S (mph)	Minimum Taper Length ** For Width of Offset 12 ft (W)			
	Merging L (ft)	Shifting L/2 (ft)	Shoulder L/3 (ft)	Down Stream (ft) ***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

* Posted Speed, off peak 85th percentile speed prior to work starting, or the anticipated operating speed.

** For other offsets use the following merging taper length formula for L:
For speeds of (40 mph) or less ($L=WS^2/60$)
For speeds of (45 mph) or more ($L=WS$)

*** Maximum downstream taper length is 100 feet.

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California Temporary Traffic Control Handbook

Channelizing Devices

Channelizing devices (cones, tubular markers, channelizers (CA), portable delineators, barricades, longitudinal channelizing devices, drums or vertical panels) are elements in a total system of temporary traffic control for use during construction and maintenance operations. These elements shall be preceded by a subsystem of warning devices, adequate in size, number and placement for the type of roadway on which the work will take place. See CA MUTCD Figure 6F-7 and 6F-102(CA) for channelizing devices requirements (see page 23 and 24). All channelizing devices shall be crashworthy.

Channelizing devices can be used as follows:

1. To channel and/or divert traffic in advance of a temporary traffic control zone (work zone).
2. To define traffic lanes through the work zone.
3. To define a change in the position of the lanes around a work zone.
4. On detours to define curves and the edges of the roadway.
5. To separate opposing lanes of traffic.

Table F – Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizer Spacing		
	Taper* (ft)	Tangent (ft)	Conflict** (ft)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizer device spacing for all speeds on one-lane/two-way tapers is (20 ft). Maximum channelizer device spacing for all speeds on downstream tapers is (20 ft). All other tapers are as shown.

** Use on intermediate and short term projects for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers.

Note: A minimum 10-ft drivable lane width should be provided where possible.

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California Temporary Traffic Control Handbook (CATTCH) - QUICK REFERENCE TABLE

Minimum Taper length / Minimum # of Channelizer Devices (Cones, Tubular Markers, etc.)

Maximum Channelizer Spacing (FT.)	MPH	WIDTH OF LANE OFFSET IN FEET (Shift From Normal Lane Width Due To Work Zone)													
		5	6	7	8	9	10	11	12	13	14	15	16	17	18
20	20	33	40	47	53	60	67	73	80	87	93	100	107	113	120
		3	3	4	4	4	5	5	5	6	6	6	7	7	7
25	25	52	63	73	83	94	104	115	125	135	146	156	167	177	188
		4	4	4	5	5	6	6	6	7	7	8	8	9	9
30	30	75	90	105	120	135	150	165	180	195	210	225	240	255	270
		4	4	5	5	6	6	7	7	8	8	9	9	10	10
35	35	102	123	143	163	184	204	225	245	265	286	306	327	347	368
		4	5	6	6	7	7	8	8	9	10	10	11	11	12
40	40	133	160	187	213	240	267	293	320	347	373	400	427	453	480
		5	5	6	7	7	8	9	9	10	11	11	12	13	13
45	45	225	270	315	360	405	450	495	540	585	630	675	720	765	810
		6	7	8	9	10	11	12	13	14	15	16	17	18	19
50	50	250	300	350	400	450	500	550	600	650	700	750	800	850	900
		6	7	8	9	10	11	12	13	14	15	16	17	18	19
55	55	275	330	385	440	495	550	605	660	715	770	825	880	935	990
		6	7	8	9	10	11	12	13	14	15	16	17	18	19
60	60	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080
		6	7	8	9	10	11	12	13	14	15	16	17	18	19
65	65	325	390	455	520	585	650	715	780	845	910	975	1040	1105	1170
		6	7	8	9	10	11	12	13	14	15	16	17	18	19

Temporary Traffic Control Elements (4 Zones):

1. **Advance Warning Area** - Traffic is informed of what to expect.
2. **Transition Area** - Where traffic is diverted out of it's normal path (See above chart)
3. **Activity Area** is where work takes place - Work Space/Traffic Space/Buffer Space
4. **Termination Area** - Where traffic is returned to normal driving path.

Table A: ADVANCE WARNING SIGN SPACING			
Road Type	Distance Between Signs (ft)		
	A	B	C
Urban - 25 mph or less	100	100	100
Urban - 30 mph to 40 mph	250	250	250
Urban - more than 40 mph	350	350	350
Rural	500	500	500
Expressway/Freeway	1000	1500	2640

TTC Sign Recommendations:

45 mph or greater = 48" Sign
40 mph or less = 36" Sign

Table C: FOR LENGTHS NOT SHOWN ABOVE

$L = (W \times S^2) / 60$ for 40 mph or less
 $L = W \times S$ for 45 mph or more

L = Minimum Length of Taper (feet)
W = Width of Offset (feet)
S = Speed Limit (mph)

Table B: Taper Length Criteria for Temporary Traffic Control Zones

Type of Tapers:	Taper Lengths:
1. Merging Taper	L Minimum
2. Shifting Taper	1/2 L Minimum
3. Shoulder Taper	1/3 L Minimum
4. One-Lane, Two-Way Traffic Taper	50-ft Min/100-ft Max
5. Downstream Taper	50-ft Min/100-ft Max per lane

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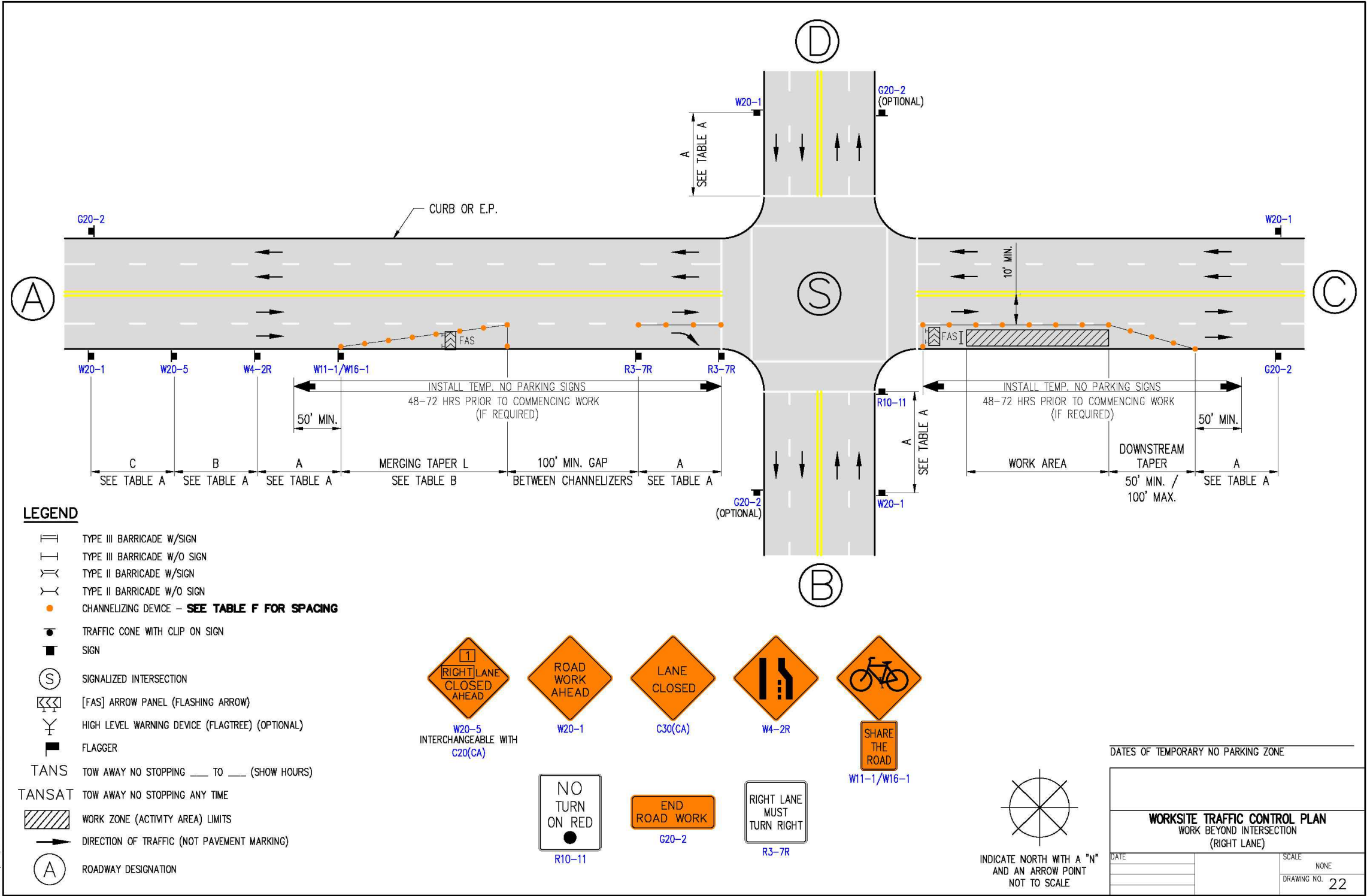
FLOCK SAFETY EQUIPMENT
INSTALLATION

CASE NUMBER: 1177521
PERMITTING JURISDICTION:
CITY OF VISALIA

COVER SHEET & LOCATION MAPS

SHEET:
TCP-GN.02

REV:
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FLOCK SAFETY EQUIPMENT INSTALLATION

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