



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1702000
Date Issued: 07/05/2017
Start Date: 07/10/2017
Exp. Date: 09/01/2017
Project No: PWP110005
Quad: NW

ENCROACHMENT PERMIT

To: AT&T CORP.
3450 RIVERWOOD PKWY SE@3001, RM #162-024
ATLANTA, GA 30339

Encroachment Type:

Traffic Control Devices			
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Location:

THORNTON RD @ SAC COUNTY LINE TO MANTECA AREA (COUNTY PORTIONS) - VARIOUS ROADS

In compliance with your request of **07/05/2017**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****Replacement of fiber optics using existing manholes to feed the fiber optics through*****

FORMS: SS/WW

Est. Permit Fee: \$1,800.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By: 

Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
STREETS AND HIGHWAYS CODE
 1. Division 1, Chapter 3
 2. Division 2, Chapter 2, Section 942
 3. Division 2, Chapter 4, Section 1126
 4. Division 2, Chapter 5.5 and Chapter 6
SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.
2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

SPECIAL CONDITIONS FOR
FIBER OPTIC REPLACEMENT – AT&T CORP.
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers, where 10-foot lanes are not attainable.
2. AT&T Corp. shall coordinate work with Knife River Construction on Thornton Road north of Hammer Lane. There is a City of Stockton Project in that area currently under construction.
3. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
4. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
5. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
6. School Buses shall be passed through the work zone with minimal delays.
7. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

APPLICATION FOR ENCROACHMENT PERMIT

PS-1702000

PLEASE PRINT:

Date May 10, 2017

To: San Joaquin County
Department of Public Works

AT&T Corp.

(Applicant Name)

Rm #162-024, 3450 Riverwood Plwy SE @ 3001,

(Mailing Address)

Atlanta, GA 30339

(City, State, Zip Code)

(678) 627-5330

(Area Code - Telephone Number)

ari718@aol.com

(Email Address)

OFFICE USE ONLY

JOB #	<u>110005</u>	REF #	
APN		CR #	
EXP. DATE	<u>8/15/17</u>		
VALID	<u>7/10/17</u> TO <u>8/15/17</u>	DRIVEWAYS:	
STREET	<u>VARIOUS RD.</u>	*	
AREA	<u>Thornion</u> QUAD <u>NN</u>	*	
TYPE	<u>Degrading Fiber Optics</u>	*	
FORMS	<u>SPW</u>		
NOTES	<u>"Special Conditions"</u>		

Sketch (Detailed plans may be submitted)

See Attached Plans

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the North & West side of #1. Thornton Rd, Pine Rd, Thornton Rd, Woodridge Rd, Davis Rd, Both Sides of Turner Rd and Davis Rd. #2. McKinley Rd, French Camp Rd and Airport Wy approximately 118,000 Ft / 35 Miles feet/mile of by performing the following work (description of work):

AT&T will be replacing an older degrading fiberoptic cable with a new fiberoptic cable. There will be no excavation or new construction associated with this cable replacement. At&T will utilize existing duct facilities. Once cable placement is completed it will be necessary to revisit +/- 6 existing manholes to splice the new cables together.

Work will commence on or about June 5, 2017 July 10, 2017 for approximately 30 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Alvin S. Richard Sr. Tech. Project Mgr
Signature of Applicant - Title

5/10/17
Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/12/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh USA Inc. 701 Market Street, Suite 1100 St. Louis, MO 63101 Attn: ATT.CertRequest@marsh.com		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:	
018566-GAW-CRT-17-18		X	
INSURED AT&T Corp. One AT&T Plaza 208 South Akard Street, Room 1830.06 Dallas, TX 75202		INSURER(S) AFFORDING COVERAGE INSURER A: Old Republic Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
		NAIC # 24147	

COVERAGES

CERTIFICATE NUMBER:

CHI-007055033-01

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		MWZY 310368	06/01/2017	06/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ N/A PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		MWTB 310367 MWZX 310369 (MI) (See Attached)	06/01/2017 06/01/2017	06/01/2018 06/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE				EACH OCCURRENCE \$ AGGREGATE \$ \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N N/A	MWC 310370 00	06/01/2017	06/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Excess Workers' Compensation / Employers' Liability		MWXS 310371 (OH-WA) See Second Page	06/01/2017	06/01/2018	EL Each Accident / EL Disease 1,000,000 EL Disease-Policy Limit 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Permit to replace existing fiber optic cable with new cable within existing duct structure in San Joaquin County right of way.

San Joaquin County is/are included as Additional Insured under the General Liability policy but only with respect to the requirements of the contract between the Certificate Holder and the Insured.

CERTIFICATE HOLDER

CANCELLATION

San Joaquin County Department of Public Works 1810 E. Hazelton Ave. Stockton, CA 95202	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE of Marsh USA Inc. Manashi Mukherjee <i>Manashi Mukherjee</i>
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AGENCY CUSTOMER ID: 018566

LOC #: St. Louis



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Marsh USA Inc.		NAMED INSURED AT&T Corp. One AT&T Plaza 208 South Akard Street, Room 1830.06 Dallas, TX 75202
POLICY NUMBER		
CARRIER	NAIC CODE	
EFFECTIVE DATE:		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Excess Workers' Compensation - MWXS 310371 (OH-WA)
Self-Insured Retentions
OH & WA - \$500,000,000 (except Terrorism)
OH & WA - \$600,000,000 Terrorism

Excess Automobile Liability - MWZX 310369 (MI)
Combined Single Limit - \$1,000,000
Self-Insured Retention - \$1,000,000

IL 10 (12/06) OLD REPUBLIC INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED WHERE REQUIRED
UNDER CONTRACT OR AGREEMENT**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

Paragraph 2. of **SECTION II - WHO IS AN INSURED** is amended to include any person or organization for whom you have agreed under contract or agreement to provide insurance. However, the insurance provided shall not exceed the scope of coverage or limits of this policy. Notwithstanding the foregoing sentence, in no event shall the insurance provided exceed the scope of coverage or limits required by said contract or agreement.

Where required by contract, we will consider our policy to be primary under any other insurance maintained by the additional insured for injury or damage covered by this endorsement and that their policy will be noncontributing with this insurance.



Civil Engineering, Surveying and Project Management

June 12, 2017

San Joaquin County, Dept of Public Works
Attn: Permits (Tim)
1810 E. Hazelton Avenue
Stockton, CA 95205

Dear Tim,

On behalf of AT&T Corp., we are submitting the attached Encroachment Permit Application and 4 permit plan sets for maintenance work on fiber optic facilities within San Joaquin County. The maintenance work will consist of installation of new fiber optic cable at existing duct facilities as noted on the plan set. There will be no excavation or new construction associated with this cable replacement project.

The work will require miscellaneous company and construction vehicles, operators, cable reel trailers and required personnel consistent with locations on the plans provided. AT&T Corp., is in process of awarding this project to one of their approved contractors and anticipate award on or around July 5th, 2017. Attached are the Traffic Control Plan sheets in support of this permit. These traffic control plans are not site specific but rather standard TCPs for each designated location. We have referenced the appropriate TCP sheet on the attached spreadsheet to be applied to each manhole location. For work within a sidewalk, the City's sidewalk closure standards have been applied.

We anticipate the work to start in July 2017 with a duration of approximately 60 days. The AT&T facilities affected by this cable replacement project spans 62 miles involving various counties and cities between the City of Sacramento and the City of Manteca.

Please contact myself should you have any questions/issues related to these TCP(s) in support of the permit application at (530) 841-0621 x108. Due to the scope of the project and the timeline set by AT&T, please notify us of any additional information you may require so we may assist you. We appreciate this permit being expedited by the City in order to complete our project for AT&T Corp on time.

Sincerely,

Nick Kompaniet

Nick Kompaniet

Project Manager

AT&T Legacy Consultant

Shasta Consulting Group

700 S. Main Street

Yreka, CA 96097

nkompaniet@shastagroup.net

Enclosures: Encroachment Permit Application and (4) Plan Sets

Authorization to Accept Applications (AT&T CO4926)

Traffic Control Plan sheets and reference worksheet



AUTHORIZATION TO ACCEPT APPLICATIONS

CO4926
SI Exhibit 8

DATE:
FROM:

TELEPHONE:
FAX:

A LICENSE AGREEMENT HAS BEEN COMPLETED BY THE LICENSEE NAMED BELOW, AND APPLICATIONS FOR POLE ATTACHMENT/CONDUIT OCCUPANCY (C0018) MAY BE ACCEPTED FOR AGREEMENT NUMBER NC071, VC071, BA135 DATED _____.

LICENSEE'S NAME: AT&T Corp. (Legacy T)
(PRINT)

LICENSEE CONTACT NAME/ADDRESS: 3450 Riverwood Parkway, Atlanta, GA 30339

TELEPHONE: 678-627-5330

FAX: _____

AFTER HOURS NAME/TEL #: _____

BILLING NAME/ADDRESS: AT&T Lease Administration, One AT&T Way, Rm. 1B201, Bedminster, NJ 07921
IMPORTANT - PLEASE PROVIDE COMPLETE ADDRESS

TELEPHONE: 908-234-3308

FAX: 908-532-1310

SERVING AREA: _____

PLEASE BE AS SPECIFIC AS POSSIBLE.

NAMES AND TITLES OF PERSONS AUTHORIZED TO SIGN APPLICATIONS:

NAME: Alvin S. Richardson
(PRINT)

NAME: Vicki D. Hood
(PRINT)

TITLE: Sr. Technical Project Manager

TITLE: Sr. Technical Project Mgmt.

SIGNATURE: Alvin S. Richardson

SIGNATURE: Vicki D. Hood

NAME: _____
(PRINT)
TITLE: _____

NAME: _____
(PRINT)
TITLE: _____

SIGNATURE: _____

SIGNATURE: _____

NAMES AND AFFILIATIONS OF ALL INDIVIDUALS OTHERWISE AUTHORIZED TO ACT IN BEHALF OF THE LICENSEE* (USE SUPPLEMENTAL SHEETS IF NECESSARY):

PLEASE PRINT:

1. Dan McGeough - AT&T T Sr. Tech Proj Mgr-Engineer 2. Nick Kompaniet, Shasta Consulting, LLC - Leg T Consultant

3. Jeb Haynes, Shasta Consulting LLC-Legacy T Consultant 4. Hal Carmes, Shasta Consulting, LLC- Legacy T Consultant

*IN LIEU OF INDIVIDUAL NAMES, A BLANKET AUTHORIZATION MAY BE GRANTED TO PERSONS HOLDING A VALID EMPLOYEE IDENTIFICATION CARD OF THE ENTITY(IES) TO BE AUTHORIZED.

THIS DOCUMENT IS (PLEASE CHECK):

☐

AN ORIGINAL

☒

A REVISION OF AUTHORIZED SIGNATURES

☐

GENERAL INFORMATION SECTION

SUBMITTED BY: Vicki D. Hood (161826)

PROJECT: A00BEN1
SPECIFICATION: TBD
GEO CODE: TBD
CABLE CLLI: TBD

WESTERN TERRITORY MAINTENANCE PROJECTS

SACRAMENTO, CA TO MANTECA, CA LIGHTGUIDE SYSTEM

SACRAMENTO 01 TO
MANTECA 10

SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2



PERMIT ISSUE
MAY, 2017



VICINITY MAP
NTS

*****PROPRIETARY*****
AND CONFIDENTIAL BUSINESS INFORMATION OF AT&T

- AT&T PROPRIETARY -
This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 U.S.C. 1905), the Critical Infrastructure Information Act of 2002, 6 U.S.C. Sec. 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.



M:\SCG Office\Projects CA\Sacramento to Manteca FTC Cable Replacement\Drawings\FTD CABLE PLACEMENT_CENTER.dwg, 5/17/2017 6:24:23 AM, _DWG To PDF.pc3

LIST OF DRAWINGS

DRAWING

DESCRIPTION

COVER SHEET

LIST OF DRAWINGS

LIST OF SYMBOLS & ABBREVIATIONS

GENERAL NOTES

PROJECT OVERVIEW

CABLE ROUTE

SHEET 01

SHEET 02


SHEET 03

SHEET 04

SHEETS A00BEN1-7A TO A00BEN1-14B

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017


NOTES:
1.



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF
NORTHERN CALIFORNIA & NEVADA
1-800-227-2600

AT&T PROPRIETARY
(Internal Use Only)
Not for disclosure outside of
AT&T companies, except
under written agreement

AT&T PROPRIETARY - This information
constitutes confidential trade secrets and
commercial or financial information owned by
AT&T and is shared for Critical Infrastructure
Protection purposes only. It is exempt from
disclosure under the Freedom of Information
Act (5 U.S.C. 552), Exemptions (b)(3)&(4),
and its disclosure is prohibited under the
Trade Secrets Act (18 U.S.C. 1905), the
Critical Infrastructure Information Act of 2002,
6 U.S.C. Sec. 133, and any State or local law
requiring disclosure of information or records.
This information must not be copied or
distributed to others not agreed upon by
AT&T, but in all events do not copy or
distribute to such others without notification
pursuant to Executive Order 12800.




PREPARED FOR CONSTRUCTION

APPROVED FOR	DAN MCGEOUGH	5/2017
OUTSIDE PLANT	ENGINEER	DATE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED
ENGINEER UNDER THE LAWS OF THE STATE OF
CALIFORNIA.

SIGNED	REG. NO.
--------	----------



SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD

OWNERSHIP: 100%ISD 0%IXC
CABLE GEO: TBD
CABLE CLLI: TBD

SCALE:

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
LIST OF DRAWINGS

SHEET 01

PLAN SYMBOLS

●	AT&T CABLE MKR
MKR #	
0000+00	AT&T CABLE MKR LABEL
00' L	
##" DOC	AT&T DEPTH OF COVER NOTE
✕	AT&T ROUTE POINT
⊠	AT&T SPLICE MANHOLE
□	AT&T PULL MANHOLE
⊗	AT&T SPLICE VAULT
○	AT&T PULL VAULT
⊠	AT&T REGENERATOR
..	DIAMETER
C	CENTERLINE
P	PROPERTY LINE
S	SECTION LINE
NOTE	GENERAL NOTE
SIGN	SIGN
✕✕✕	GATE
☀	TREE - DECIDUOUS
★	TREE - CONIFER
○	UTILITY POLE
←	UTILITY POLE ANCHOR
⊙	UTILITY CELL TOWER
⚡	ELECTRIC LIGHT POLE
P	POWER VAULT
△	PAD MOUNT TRANSFORMER
⊠	TRANSMISSION TOWER
⊗	GAS VALVE
⊗	GAS METER
⊠	TELEPHONE MANHOLE
⊠	TELEPHONE VAULT
□	STORM DRAIN CATCH BASIN
⊗	STORM DRAIN MANHOLE
⊗	SANITARY SEWER MANHOLE
⊗	FIRE HYDRANT
⊗	WATER VALVE
⊠	WATER METER
⊗	SOIL BORING
##	COUNTY ROAD
##	STATE HIGHWAY
##	U.S. HIGHWAY
##	INTERSTATE
○	SECTION CENTER
⊗	CLOSING CORNER
⊗	QUARTER CORNER
7	OWNERSHIP TIE
⊗	BENCHMARK
⊗	MONUMENT

ABBREVIATIONS

A/C	ASPHALT CONCRETE
ASPH.	ASPHALT
AH	AHEAD
AT&T	AMERICAN TELEPHONE & TELEGRAPH
BK	BACK
CA	CALIFORNIA
C/L	CENTERLINE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLSR.	CLOSURE
CMP	CORRUGATED METAL PIPE
C.O.	CENTRAL OFFICE
CONC.	CONCRETE
CU FT.	CUBIC FEET
DIA.	DIAMETER
DU.	DUCT
DWG.	DRAWING
(E)	EXISTING
ENCASE.	ENCASEMENT
ENGR.	ENGINEER
EOP	EDGE OF PAVEMENT
EQUIP.	EQUIPMENT
E GUY	ELECTRICAL GUY
E POLE	ELECTRICAL POLE
EXIST.	EXISTING
FH	FIRE HYDRANT
FOC	FIBER OPTIC CABLE
FTA	FIBER TRANSMISSION A CABLE
FTB	FIBER TRANSMISSION B CABLE
FUT.	FUTURE
F.S.	FINISH SURFACE
G.I.P.	GALVANIZED IRON PIPE
GND.	GROUNDING
GNFO	GLOBAL NETWORK FIELD OPERATION
HDPE	HIGH DENSITY POLYETHYLENE
HWY	HIGHWAY
INT.	INTERMEDIATE
L.F.	LINEAL FEET
M.H.	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
MKR.	MARKER
NV	NEVADA
(N)	NEW
NTS	NOT TO SCALE
OR	OREGON
PL.	PLACE
P/L	PROPERTY LINE
PED	PEDESTAL
P.P.	POWER POLE
P.O.P.	POINT OF PRESENCE
POLY	POLYETHYLENE
PROP.	PROPOSED
P.B.	PULL BOX
PVC	POLYVINYL CHLORIDE
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
R/W	RIGHT OF WAY
SB	SPLICE BOX
SC	SPLICE CLOSURE
SEC.	SECTION
SDR	STANDARD DIMENSION RATIO
SMH	SEWER MANHOLE
STA.	STATION
SQ. FT.	SQUARE FEET
T	TOWNSHIP
T M.H.	TELEPHONE MANHOLE
T POLE	TELEPHONE POLE
TYP.	TYPICAL
W	WITH
W-W	WALL TO WALL

LINETYPE KEY

	AT&T FIBER OPTIC CABLE/CONDUIT (EXISTING)
	AT&T FIBER OPTIC CABLE/CONDUIT (PROPOSED)
	AT&T FIBER OPTIC CABLE/CONDUIT w/ CASING
	BRUSH/TREE LINE
	CULVERT/ DRAIN PIPE
	CENTERLINE ROAD
	DRAINAGE FLOWLINE
	FACE OF CURB
	EDGE OF STREET/ROAD (PAVED)
	EDGE OF GRAVEL ROAD
	FENCE LINE
	EDGE OF SIDEWALK
	GUARDRAIL
	PROPERTY LINE
	RAILROAD
	RIGHT OF WAY LINE
	UTILITY - ELECTRIC (BURIED)
	UTILITY - ELECTRIC (OVERHEAD)
	UTILITY - TELEPHONE (BURIED)
	UTILITY - TELEPHONE (OVERHEAD)
	UTILITY - FIBER OPTIC
	UTILITY - GAS
	UTILITY - SANITARY SEWER
	UTILITY - STORM DRAIN
	UTILITY - CABLE TELEVISION (BURIED)
	UTILITY - CABLE TELEVISION (OVERHEAD)
	UTILITY - WATER
	VEGETATION/WETLANDS
	WALL - RETAINING
	SECTION, TOWNSHIP & RANGE LINES
	EDGE OF WATER
	CONTOUR MAJOR
	CONTOUR MINOR

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017

NOTES:

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PREPARED FOR CONSTRUCTION

APPROVED FOR	DAN MCGEOUGH	5/2017
OUTSIDE PLANT	ENGINEER	DATE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.

SIGNED	REG. NO.
--------	----------



SPECIFICATION	TBD
PROJECT NUMBER	TBD

OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD

SCALE:

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
SYMBOLS & ABBREVIATIONS

GENERAL NOTES

- 1. UTILITIES AND SUBSTRUCTURES SHOWN HEREON ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY, LOCATE AND PROTECT IN PLACE AS REQUIRED.
- 2. ALL TRAFFIC CONTROL TO BE IN ACCORDANCE WITH WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITIONS, OR AS REQUIRED BY THE GOVERNING AGENCIES.
- 3. BEFORE EXCAVATION CALL:
1-800-227-2600 CALIFORNIA AND NEVADA UTILITY NOTIFICATION CENTER
CONTRACTOR MUST NOTIFY USA NORTH TWO FULL DAYS BEFORE DIGGING.
- 4. OR CALL NATIONWIDE ONE CALL SYSTEM TOLL FREE AT 811.
- 5. AND IF WORKING ON UNION PACIFIC RAILROAD RIGHT OF WAY CALL 1-800-336-9193
- 6. INFORMATION IN THIS PACKAGE IS PROPRIETY AND NOT FOR USE OR DISCLOSURE OUTSIDE AT&T, THEIR SUPPLIERS AND AFFILIATES. IF YOU HAVE ACQUIRED THIS PACKAGE IN ERROR OR ARE NOT THE NAMED RECIPIENT, PLEASE CONTACT SHASTA CONSULTING GROUP, INC. AT (530) 841-0621. ADDRESS IS 700 S. MAIN ST. - SUITE 3 YREKA, CA 96097.
- 7. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON LIMITED INFORMATION OBTAINED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING UTILITIES.
- 8. RECONSTRUCT SHOULDERS AND BANKS TO ORIGINAL CONDITION.

CONSTRUCTION NOTES

- 1. ALL COVER DEPTHS INDICATED ON DRAWINGS ARE MEASURED FROM GRADE TO TOP OF CONDUIT.
- 2. MINIMUM COVER FOR STRUCTURE SHALL BE 42" BELOW PROPOSED FINISHED GRADE, OR AS REQUIRED BY PERMITS ISSUED BY THE GOVERNING AGENCIES.
- 3. PLACE MARKING TAPE CONTINUOUSLY ALONG THE TRENCH LINE AT 18" DEPTH BELOW FINISH GRADE.
- 4. SHORE ANY EXCAVATION AS REQUIRED BY O.S.H.A. STANDARDS.
- 5. THE CONTRACTOR SHALL POTHOLE EXISTING CABLE FOR LOCATION PRIOR TO CONSTRUCTION. AT&T OPERATIONS SHALL BE NOTIFIED BEFORE COMMENCING THIS OPERATION.
- 6. THE CONTRACTOR SHALL FURNISH A GUARD AT THE SITE WHENEVER THE FIBER OPTIC CABLE IS LEFT EXPOSED DURING NON-WORKING HOURS (OVER NIGHT AND WEEKENDS).
- 7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE VARIOUS PERMITS OBTAINED FOR THE PROJECT AND ON FILE IN THE OFFICES OF THE ENGINEER.
- 8. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT EXISTING LAWNS, TREES, AND SHRUBS OUTSIDE RIGHT-OF-WAY, SIDEWALKS, CURBS, PAVEMENTS, UTILITIES, ADJOINING PROPERTY, AND STRUCTURES, AND TO AVOID DAMAGE THERETO CAUSED BY CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER, EXCEPT AS OTHERWISE PROVIDED FOR.
- 9. WHERE HAZARDOUS CONDITIONS EXIST, PROPER SIGNING, FLAGGING, AND BARRICADING SHALL BE PROVIDED BY THE CONTRACTOR, WHENEVER DIRECTED BY THE ENGINEER. SUPPLEMENTAL SIGNS AND BARRICADES, INCLUDING LANTERNS AND/OR HIGH RISE WARNING DEVICES, SHALL BE PROVIDED BY THE CONTRACTOR.
- 10. A WASTE SITE HAS NOT BEEN PROVIDED BY THE OWNER FOR THE DISPOSAL OF EXCESS MATERIALS AND DEBRIS.
- 11. NO TRENCH OR EXCAVATION SHALL BE LEFT OPEN OVERNIGHT OR UNATTENDED.
- 12. HOURS OF CONSTRUCTION SHALL BE LIMITED BY PERMITS OBTAINED FOR THE PROJECT.
- 13. THE BORE CONTRACTOR SHALL SUBMIT A PLAN INDICATING PROPOSED HORIZONTAL AND VERTICAL ALIGNMENTS OF THE BORE ROUTE AND BORE PIT LOCATIONS TO THE PROJECT ENGINEER FOR APPROVAL, PRIOR TO CONSTRUCTION, IN ACCORDANCE WITH AT&T STANDARD SPECIFICATIONS, SECTION 404.03
- 14. THE BORE CONTRACTOR SHALL VERIFY THE HORIZONTAL LOCATION OF THE BORE CONTINUOUSLY DURING OPERATIONS, IN THE PRESENCE OF THE INSPECTOR, AND SHALL MAINTAIN IT WITHIN 2 FEET OF THE PROPOSED ALIGNMENT AT ALL TIMES UNLESS OTHERWISE NOTED. VARIATION FROM THIS REQUIREMENT MAY RESULT IN REFUSAL OF BORE CONSTRUCTION.
- 15. THE BORE CONTRACTOR SHALL HAVE THE EXISTING FIBER OPTIC CABLE LOCATION & DEPTH VERIFIED DURING BORE CONSTRUCTION OPERATIONS BY THE AT&T TECH.
- 16. ALL APPLICABLE PERMITS SHALL BE APPROVED AND ON SITE PRIOR TO CONSTRUCTION, COORDINATE ALL PERMITS WITH THE PROJECT ENGINEER. THE CONTRACTOR SHALL ABIDE BY ALL PERMIT REQUIREMENTS.
- 17. PROVIDE STORM WATER BMP'S SUCH AS SILT FENCING AND STRAW BALES PER PLAN AND AS NEEDED, IN ACCORDANCE WITH THE APPLICABLE PERMITS AND STANDARD PRACTICES, PRIOR TO ANTICIPATED RAIN EVENTS.

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017

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OUTSIDE PLANT	ENGINEER	DATE

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SIGNED	REG. NO.
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SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD

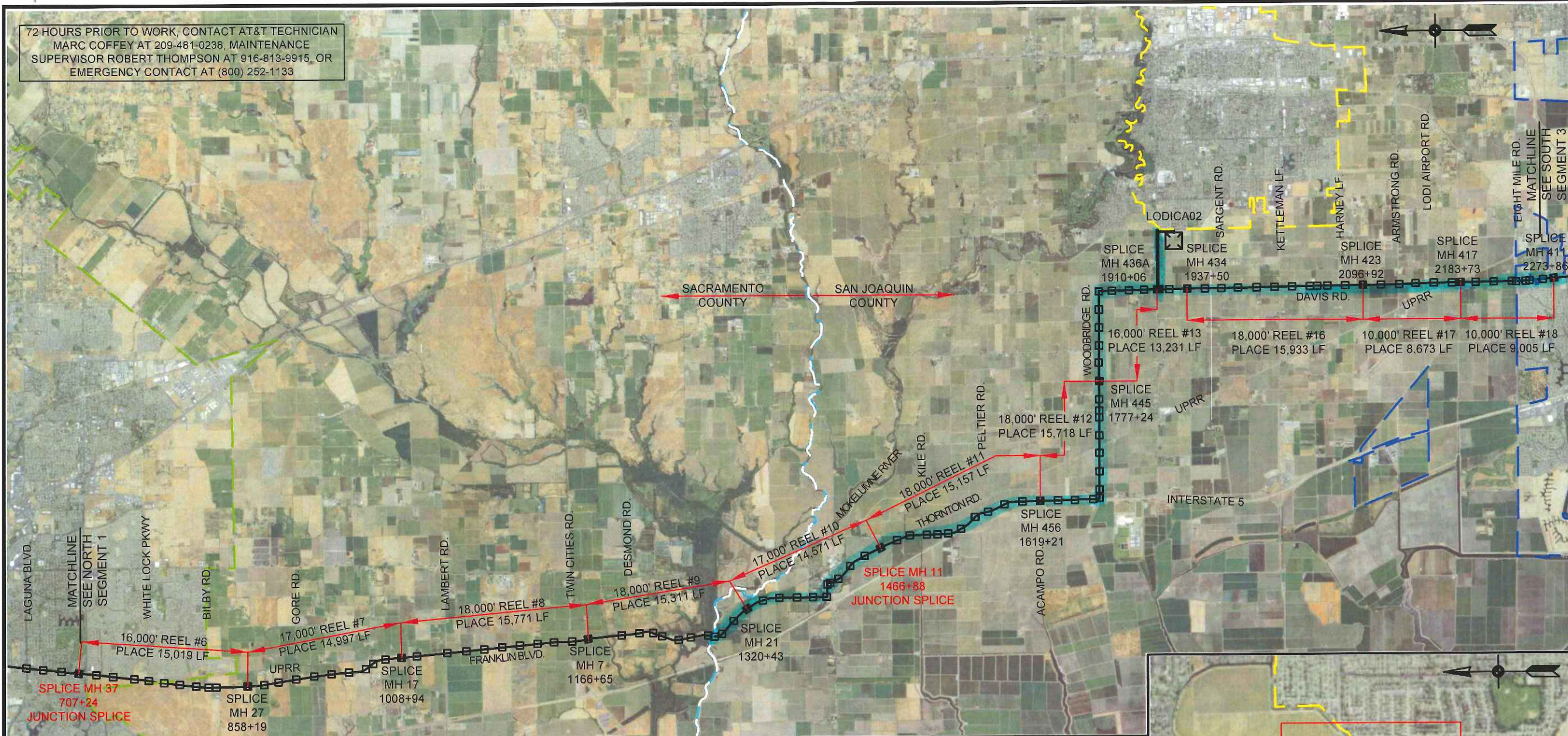
SCALE:

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
GENERAL NOTES

M:\SCG Office\Projects CA\Sacramento to Manteca FTB Cable Replacement\Drawings\SAC-MANTECA_OVERVIEWS.dwg, 5/17/2017 11:29:27 AM, swinnie

72 HOURS PRIOR TO WORK, CONTACT AT&T TECHNICIAN
MARC COFFEY AT 209-481-0238, MAINTENANCE
SUPERVISOR ROBERT THOMPSON AT 916-813-9915, OR
EMERGENCY CONTACT AT (800) 252-1133



PROJECT NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.
2. AT&T GNFO TECH TO IDENTIFY FTB F.O.C. BY AT&T APPROVED METHOD PRIOR TO START OF CONSTRUCTION.
3. CONTRACTOR SHALL UTILIZE EXISTING FTB F.O.C. TO PLACE NEW 144CT F.O.C. THRU EXISTING CONDUIT. CONTRACTOR TO MAINTAIN SAME CONDUIT PATH AS EXISTING FTB F.O.C. FOR NEW 144CT F.O.C. CONTRACTOR TO COORDINATE WITH AT&T GNFO TECH AND PROJECT ENGINEER PRIOR TO PLACING NEW CABLE TO ENSURE FTB F.O.C. IS CLEARLY IDENTIFIED.
4. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, DE WATERING AND SAFE ACCESS TO ALL MH'S DURING CABLE PLACEMENT.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR SAFE ENTRY INTO MANHOLE INCLUDING VENTILATION BLOWER, WATER PUMP, GAS DETECTOR AND WATER TESTING KIT.
6. CONTRACTOR WILL BE REQUIRED TO SUBMIT TRAFFIC CONTROL PLANS TO PERMIT AUTHORITIES FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK, FOR ALL SEGMENTS OF CONSTRUCTION. COORDINATE WITH PROJECT ENGINEER.
7. CONTRACTOR SHALL ABIDE BY ALL PERMIT AUTHORITY REQUIREMENTS AND REGULATIONS AS ASSOCIATED WITH THIS PROJECT.
8. CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER TO NOTIFY AT&T-CA 24 HRS PRIOR TO START OF CONSTRUCTION.

ENCROACHMENT PERMIT AUTHORITIES FOR PROJECT

County of Sacramento

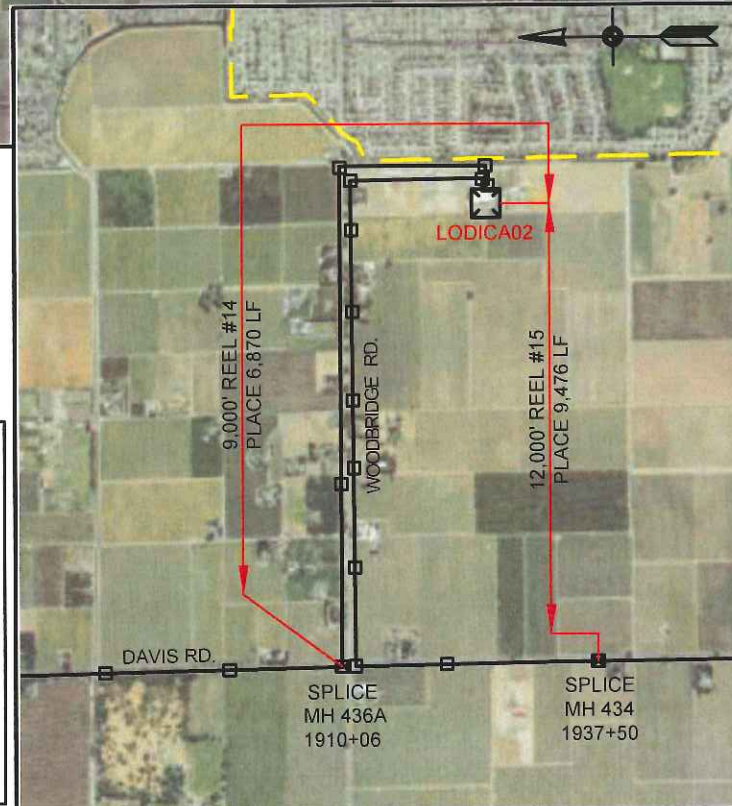
916-875-2707 (Inspection)
916-876-5829 (Survey Monument Locate)
Notice: 24 hours prior to start of construction
City of Elk Grove
916-216-2187 (Inspection)
Notice: 24 hours prior to start of construction

County of San Joaquin

209-468-3000
Notice: 24 hours prior to start of construction
City of Stockton
209-937-8386 (Obtain Control Number)
209-937-8381 (Inspection)
Notice: Obtain Control Number 24 hours prior to start of construction
Begin Construction within 72 hours of obtaining Control Number


LEGEND

CABLE ROUTE	—
PULL MANHOLE	□
SPLICE MANHOLE	⊗
STOCKTON CITY LIMITS	— — — — —
ELK GROVE CITY LIMITS	— — — — —
SACRAMENTO COUNTY	— — — — —
LODI CITY LIMITS	— — — — —
SAN JOAQUIN COUNTY	— — — — —



REVISION	BY	DATE
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OUTSIDE PLANT ENGINEER DATE
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ENGINEER UNDER THE LAWS OF THE STATE OF
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SIGNED _____ REG. NO. _____



SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD

OWNERSHIP: 100%SD 0%IXC
CABLE GEO: TBD
CABLE CLLI: TBD

SCALE: 1" = 10,000'

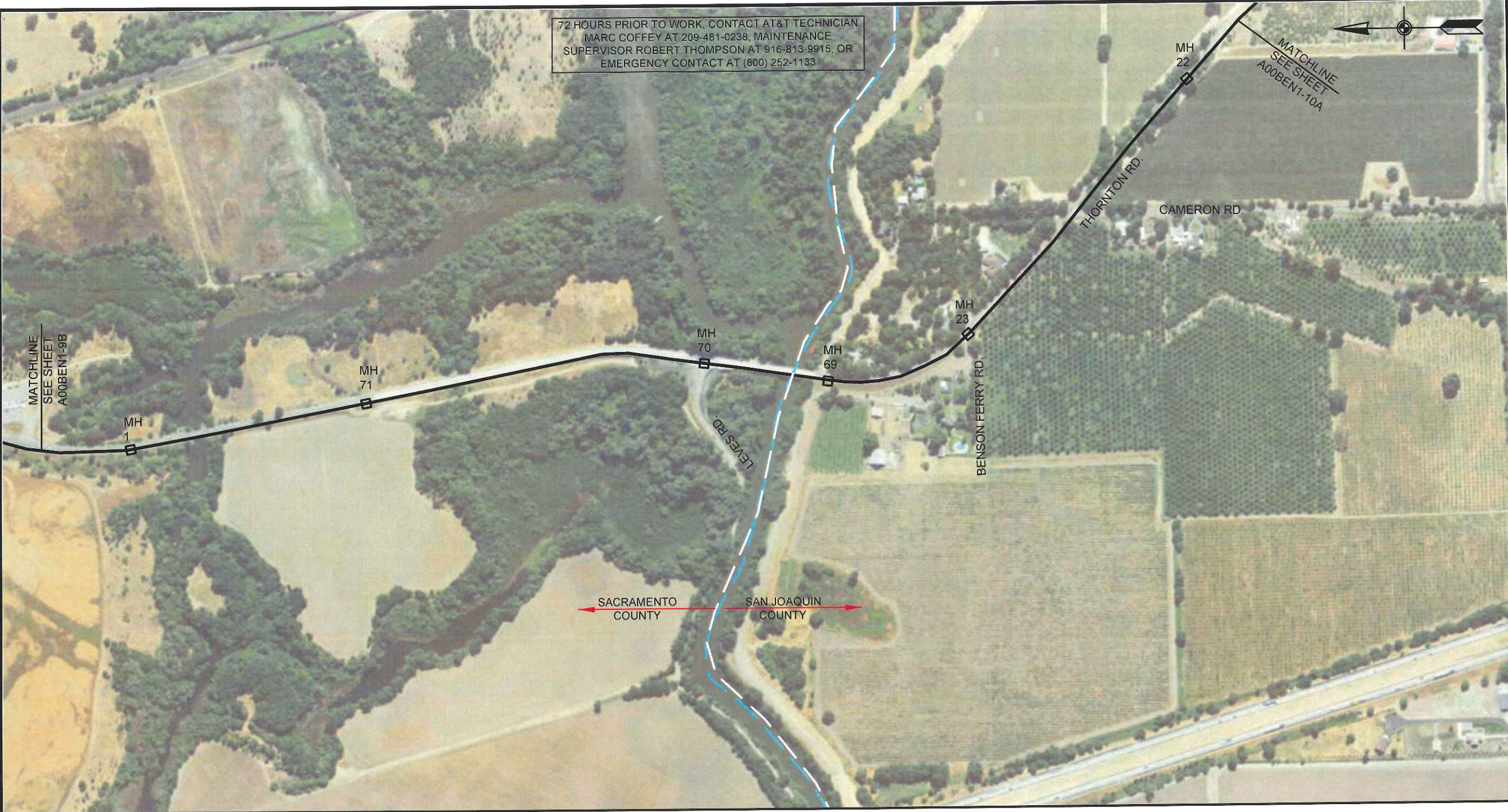
SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTB
CABLE REPLACEMENT

CENTER SEGMENT 2
PROJECT OVERVIEW

SHEET 04

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PREPARED FOR CONSTRUCTION

APPROVED FOR DAN MCGEOUGH 5/2017
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SCG
SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-9C	

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

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SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

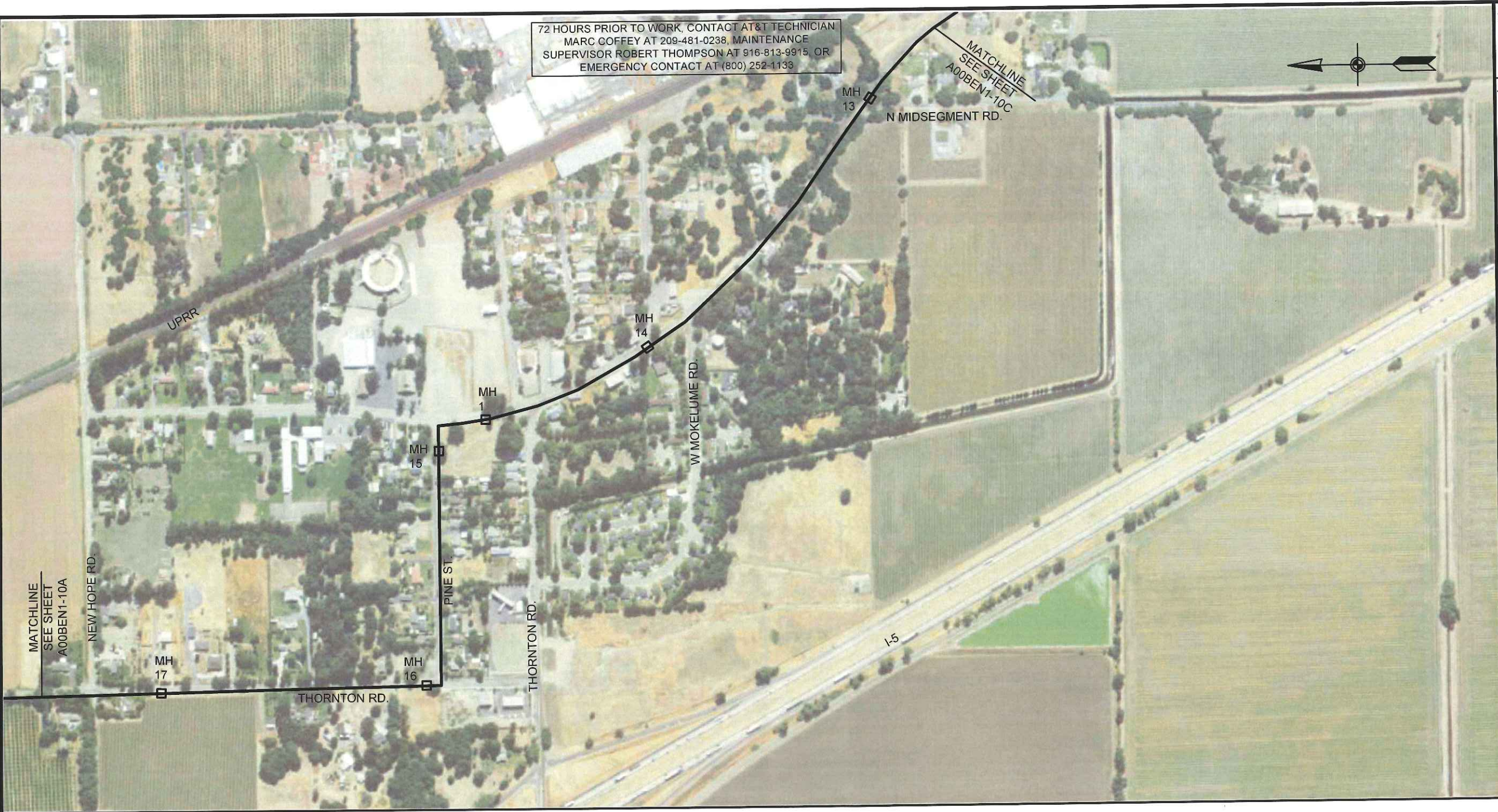
SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
CABLE ROUTE

A00BEN1-10A

CONSTRUCTION NOTES:

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SUPERVISOR ROBERT THOMPSON AT 916-813-9915, OR
EMERGENCY CONTACT AT (800) 252-1133

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017

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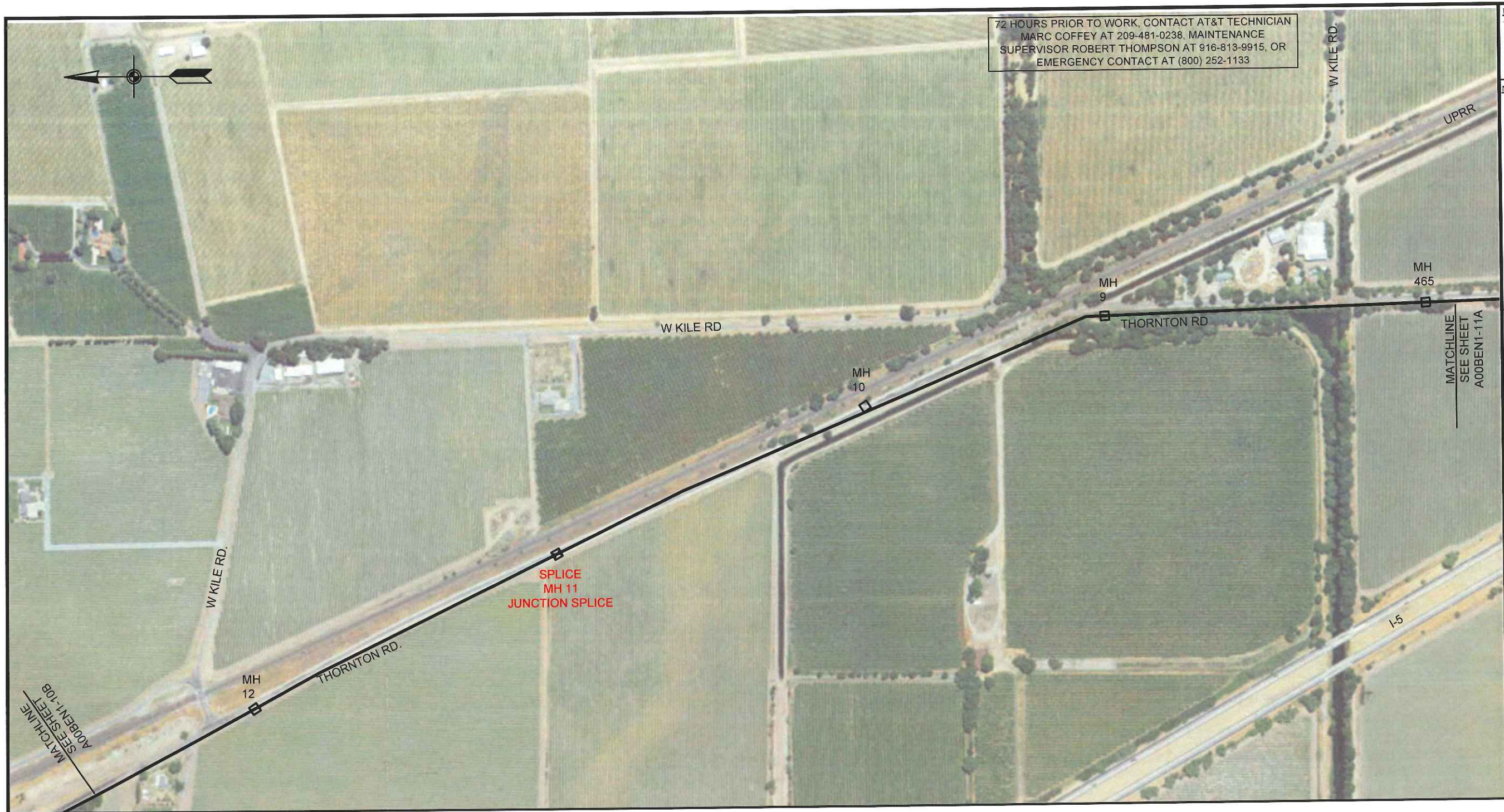
SCG
SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-10B	

CONSTRUCTION NOTES:

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REVISION	BY	DATE
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SPECIFICATION TBD
PROJECT NUMBER TBD

OWNERSHIP: 100%ISD 0%IXC
CABLE GEO: TBD
CABLE CLLI: TBD

SCALE: 1" = 500'

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

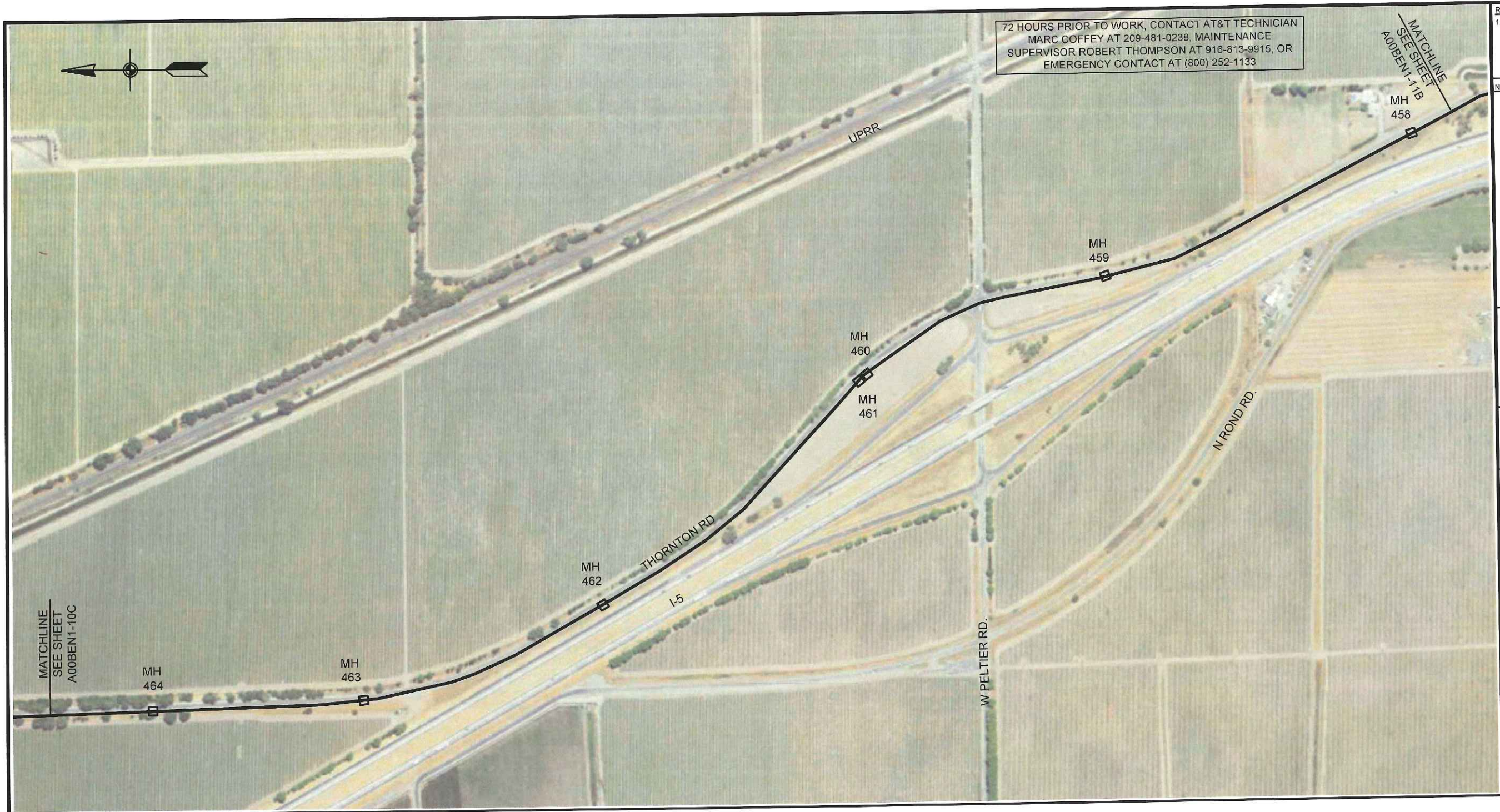
SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
CABLE ROUTE

A00BEN1-10C

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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-11A	

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-11B	

CONSTRUCTION NOTES:

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CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017

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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLL:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-11C	

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CONSTRUCTION NOTES:

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SHASTA CONSULTING GROUP, INC


SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-12A	

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SIGNED	REG. NO.
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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%XC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-12B	

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

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DAN MCGEOUGH 5/2017
ENGINEER DATE

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SPECIFICATION TBD
PROJECT NUMBER TBD
OWNERSHIP: 100%ISD 0%IXC
CABLE GEO: TBD
CABLE CLLI: TBD

SCALE: 1" = 500'

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
CABLE ROUTE

A00BEN1-12C

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.


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SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-13A	

CONSTRUCTION NOTES:

- CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

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SPECIFICATION	TBD
PROJECT NUMBER	TBD

OWNERSHIP: 100%ISD 0%IXC
CABLE GEO: TBD
CABLE CLLI: TBD

SCALE: 1" = 500'

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
CENTER SEGMENT 2
CABLE ROUTE




A00BEN1-13B

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.



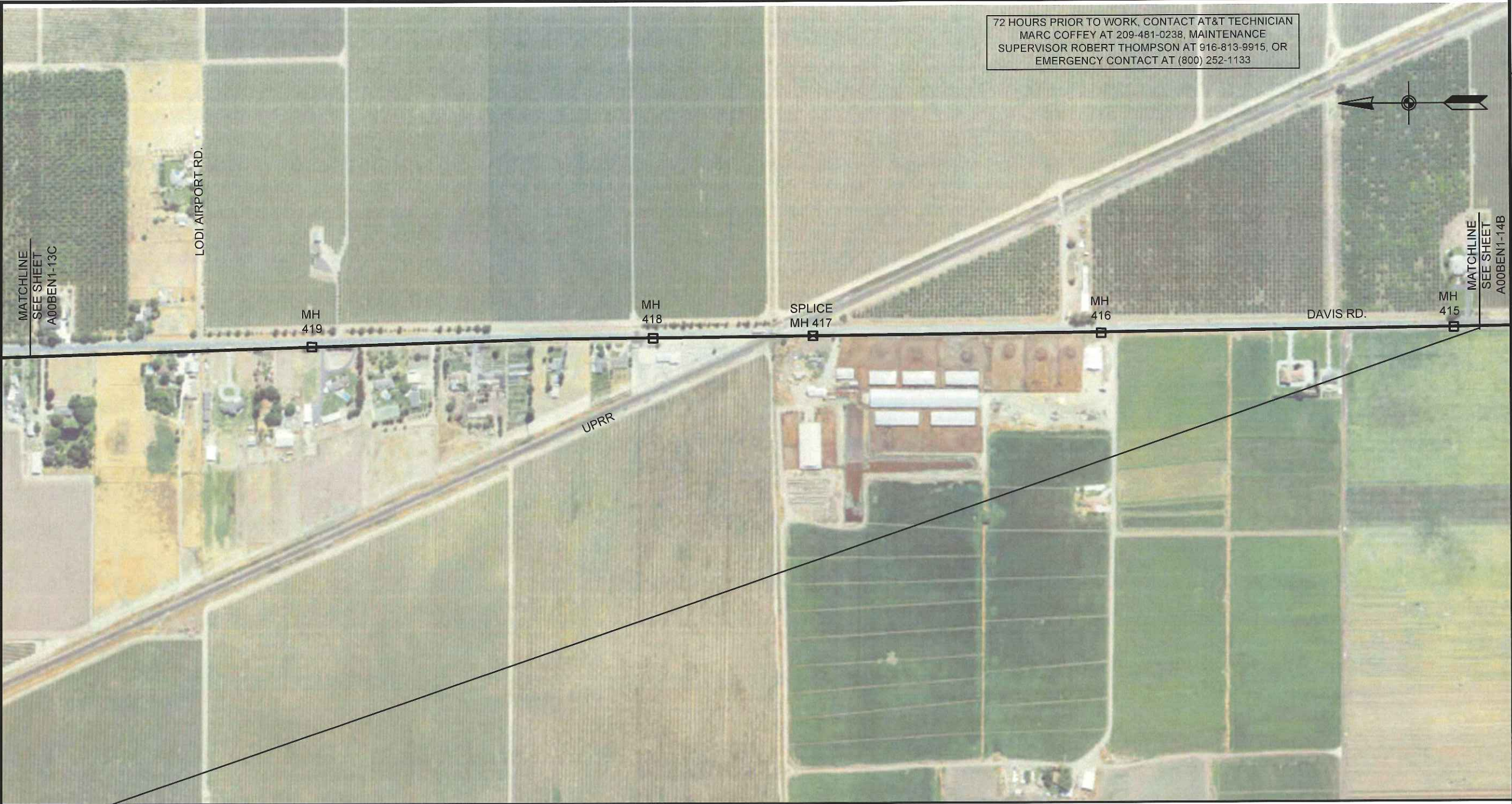
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SIGNED	REG. NO.	
<div> SHASTA CONSULTING GROUP, INC</div>		
SPECIFICATION	TBD	
PROJECT NUMBER	TBD	
OWNERSHIP:	100%ISD 0%IXC	
CABLE GEO:	TBD	
CABLE CLLI:	TBD	
SCALE:	1" = 500'	
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM		
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE		
A00BEN1-13C		

CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.


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OUTSIDE PLANT	ENGINEER	DATE

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SIGNED	REG. NO.
	

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-14A	

CONSTRUCTION NOTES:

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OUTSIDE PLANT	ENGINEER	DATE

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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT CENTER SEGMENT 2 CABLE ROUTE	
A00BEN1-14B	

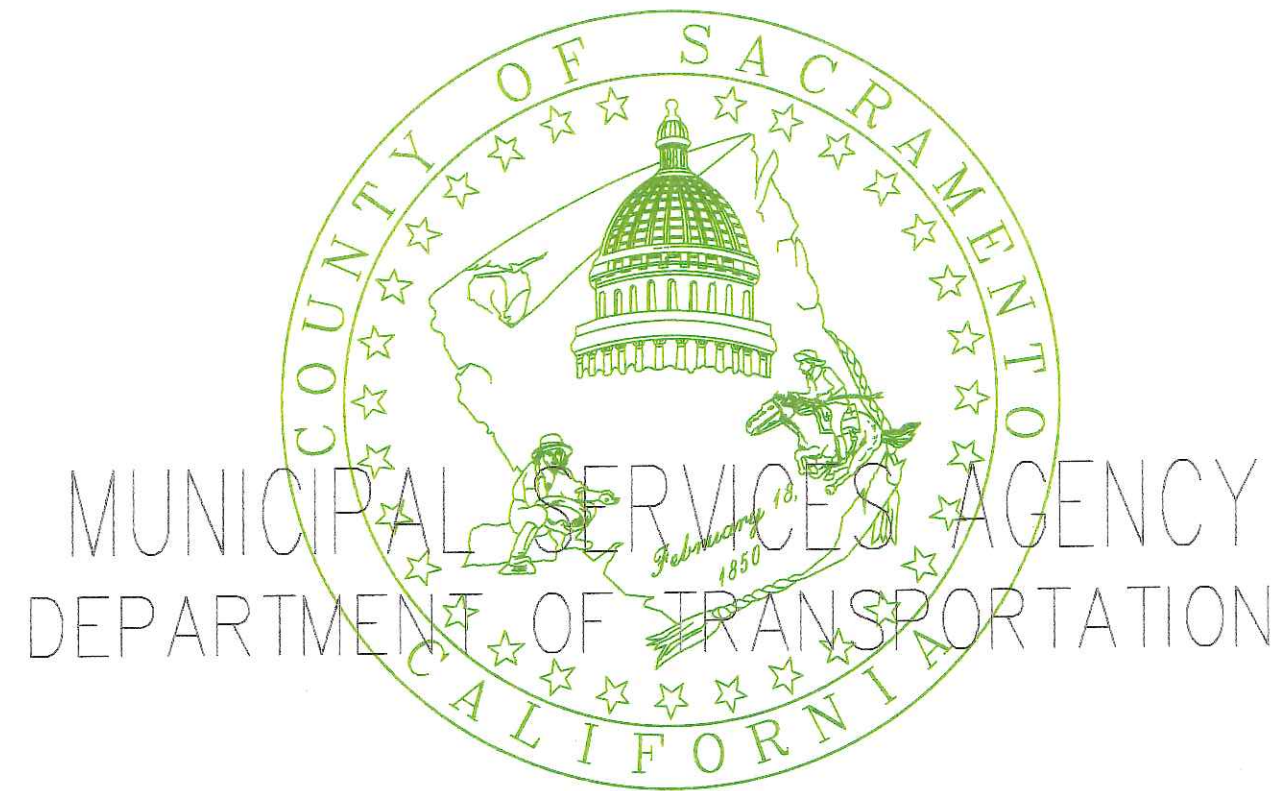
CONSTRUCTION NOTES:

1. CENTER SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 37 TO SPLICE MH 411.

AT&T CORP MAINTENANCE WORK SACRAMENTO TO MANTECA

Manhole No.	Permit Plan Set Sheet No.	Traffic Control Plan Sheet Reference
Central Segment within San Joaquin County, City of Elk Grove and City of Stockton		
MH-38	A00BEN1-7A	TC-22
MH-37	A00BEN1-7A	TC-22
MH-36	A00BEN1-7A	TC-22
MH-35	A00BEN1-7A	TC-22
MH-36	A00BEN1-7B	TC-22
MH-35	A00BEN1-7B	TC-22
MH-34	A00BEN1-7B	TC-22
MH-33	A00BEN1-7B	TC-22
MH-32	A00BEN1-7B	TC-26
MH-31	A00BEN1-7C	TC-26
MH-30	A00BEN1-7C	TC-26
MH-29A	A00BEN1-7C	TC-26
MH-29A	A00BEN1-7C	TC-26
MH-28	A00BEN1-7C	TC-26
MH-27	A00BEN1-7C	TC-26
MH-26	A00BEN1-8A	TC-26
MH-25	A00BEN1-8A	TC-26
MH-24	A00BEN1-8A	TC-26
MH-23	A00BEN1-8A	TC-26
MH-22	A00BEN1-8A	TC-26
MH-21	A00BEN1-8B	TC-26
MH-20	A00BEN1-8B	TC-26
MH-19	A00BEN1-8B	TC-26
MH-18	A00BEN1-8B	TC-26
MH-17	A00BEN1-8B	TC-26
MH-16	A00BEN1-8B	TC-26
MH-15	A00BEN1-8C	TC-26
MH-14	A00BEN1-8C	TC-26
MH-13	A00BEN1-8C	TC-26
MH-12	A00BEN1-8C	TC-26
MH-11	A00BEN1-9A	TC-26
MH-10	A00BEN1-9A	TC-26
MH-9	A00BEN1-9A	TC-26
MH-8	A00BEN1-9A	TC-26
MH-7	A00BEN1-9A	TC-26
MH-6	A00BEN1-9B	TC-26
MH-5	A00BEN1-9B	TC-26
MH-4	A00BEN1-9B	TC-26
MH-3	A00BEN1-9B	TC-26
MH-2	A00BEN1-9B	TC-26
MH-1	A00BEN1-9C	TC-26
MH-71	A00BEN1-9C	TC-26
MH-70	A00BEN1-9C	TC-07
MH-69	A00BEN1-9C	TC-08

MH-23	A00BEN1-9C	TC-26
MH-22	A00BEN1-9C	TC-26
MH-21	A00BEN1-10A	TC-26
MH-20	A00BEN1-10A	TC-26
MH-19	A00BEN1-10A	TC-26
MH-18	A00BEN1-10A	TC-26
MH-17	A00BEN1-10B	TC-26
MH-16	A00BEN1-10B	TC-26
MH-15	A00BEN1-10B	TC-26
MH-14	A00BEN1-10B	TC-26
MH-13	A00BEN1-10B	TC-26
MH-12	A00BEN1-10C	TC-26
MH-11	A00BEN1-10C	TC-26
MH-10	A00BEN1-10C	TC-26
MH-9	A00BEN1-10C	TC-26
MH-465	A00BEN1-10C	TC-26
MH-464	A00BEN1-11A	TC-26
MH-463	A00BEN1-11A	TC-26
MH-462	A00BEN1-11A	TC-26
MH-461	A00BEN1-11A	TC-26
MH-460	A00BEN1-11A	TC-26
MH-459	A00BEN1-11A	TC-26
MH-458	A00BEN1-11A	TC-26
MH-457	A00BEN1-11B	TC-26
MH-456	A00BEN1-11B	TC-26
MH-455	A00BEN1-11B	TC-26
MH-454	A00BEN1-11B	TC-26
MH-453	A00BEN1-11C	TC-26
MH-452	A00BEN1-11C	TC-26
MH-451	A00BEN1-11C	TC-26
MH-450	A00BEN1-11C	TC-26
MH-449	A00BEN1-11C	TC-26
MH-448	A00BEN1-12A	TC-26
MH-447	A00BEN1-12A	TC-26
MH-446	A00BEN1-12A	TC-26
MH-445	A00BEN1-12A	TC-26
MH-444	A00BEN1-12A	TC-26
MH-443	A00BEN1-12B	TC-26
MH-442	A00BEN1-12B	TC-26
MH-441	A00BEN1-12B	TC-26
MH-440	A00BEN1-12B	TC-26
MH-439	A00BEN1-12B	TC-26
MH-438	A00BEN1-12B	TC-26
MH-437	A00BEN1-12C	TC-26
MH-436A	A00BEN1-12C	TC-26
MH-436B	A00BEN1-12C	TC-26
MH-436	A00BEN1-12C	TC-26



MUNICIPAL SERVICES AGENCY
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN TEMPLATES

OCTOBER 2010

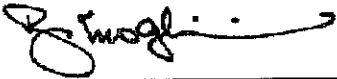
Revised February 2014


SHEET NO.

TITLE

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REVISIONS			
REV	DESCRIPTION	BY	DATE
1	-Add Sheets 45.1 – 50	GDK	2/14


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DEPARTMENT OF TRANSPORTATION



M & O TYPICAL TRAFFIC CONTROL PLANS

TABLE OF CONTENTS

JOB NO. _____
TEMPLATE NAME TC-01
DRAWN LB
DESIGNED _____
CHECKED SU/GK

SCALE
HOR: N/A
VER: N/A

SHEET
TC-01
OF 50 SHEETS

SHEET DATE
7/1/2010

General Notes

- 1
- All work shall comply with the latest edition of the County of Sacramento Standard Construction Specifications, County of Sacramento Improvement Standards, applicable Caltrans Standards, the California Manual of Uniform Traffic Control Devices (CaMUTCD) and other applicable provisions.
 - A minimum of one person shall be assigned to provide full time continuous monitoring and maintenance of traffic control devices.
 - All cones shall be 28 inches min. in height. Cones used during night time hours shall be equipped with retro reflective bands (or sleeves). Maximum cone spacing shall be as indicated but shall not be greater than 50 ft.
 - The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when work is not protected by a fixed barrier. Any other use of W13-1P or C17 series signs may only be considered when an engineering analysis concludes that a reduction of traffic speeds may help to improve traffic safety. C17 series signs may be used only when workers are actively engaged in construction activities. Speed reductions if justified, shall be lowered in 10 mph increments using C17 / W13-1P signage until the justified speed is obtained.
 - G20-2 "END ROAD WORK" sign shall be placed at the end of areas controlled by temporary traffic controls.
 - County inspector may direct the utility/contractor to discontinue operations at any time if the inspector determines that the work creates an undue safety risk or severe traffic congestion.
 - Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first and shall be placed progressively towards the work area.
 - Existing signs that may conflict with temporary traffic control devices shall be covered.
 - Flaggers shall wear approved safety vest, be equipped with stop / slow paddles and shall be in sight of each other or in direct communications at all times.
 - Minimum traffic lane widths shall be as follows:

10-feet where no fixed lateral obstructions exists

11-feet where fixed lateral obstruction (k-rail) exists on one side of lane

12-feet where fixed lateral obstruction exists on both sides of lane
 - Construction signage shall be promptly removed or covered whenever the message is not applicable or not in use.
 - Driveway access shall be maintained at all times unless other arrangements have been made through the affected property owner.
 - Buffer and taper areas shall remain clear of vehicles and equipment (except for appropriate TCP devices) at all times.
 - Work involving modifications to normal traffic signal operations shall be coordinated with the Sac County Traffic Operations center.
 - On roadways where parking is allowed, temporary "No Parking" signage may be placed where roadway widths are inadequate.
 - Contractor shall coordinate with county inspector to verify, identify and address conflicts with other planned or ongoing projects in the area.
 - If construction obstructs existing bus stop, the contractor shall coordinate work with Regional Transit (RT), 48 hours in advance of work and make provisions acceptable with RT to provide an alternative temporary location.
 - Contractor shall contact schools affected by construction to determine if school is in session. If school is in session, no traffic affecting construction activities shall take place 30 minutes before and 30 minutes after the arrival (AM) or departure (PM) bells. Contractor shall also notify any fire station which may be affected by construction activities.

Instructions For Using Templates

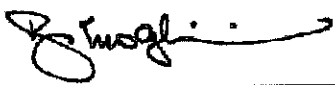
- Standard Traffic Control Templates are for use on projects requiring short duration (one day or less) traffic control measures and shall not be used on roadways with 3 or more lanes in any direction or at the following locations:

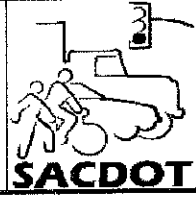
Street	Limits
Arden Way	Sac. City Limits to Eastern Ave.
Auburn Blvd.	Watt Ave. to Winding Way 1
Fair Oaks Blvd.	Sac City Limit to Sunrise Blvd.
Florin Rd.	Sac City Limit to Stockton Blvd.
Folsom Blvd.	Sac City Limit to Bradshaw Rd.
Fulton Ave.	All
Greenback Lane	All
Hazel Ave.	All
Howe Ave.	Folsom Blvd. to Alta Arden Express Way
Madison Ave.	Citrus Heights City Limits to Hazel Ave.
Sunrise Blvd.	All
Watt Ave.	Antelope Rd. to Kiefer Blvd

Plans at these locations shall be site specific and require specific review and approvals.

- Work covered under these Standard Traffic Control Templates shall be limited to week days between the hours of 8:00 am to 3:30 pm. Work outside of these working hours requires specific approval. In accordance with Section 7-8.06 of County of Sacramento Standard Construction Specifications, work shall be suspended and no activities that interfere with public traffic shall be conducted on designated streets during holiday season (defined as the four-day Thanksgiving weekend and December 8 through January 1) - See Holiday Moratorium Maps.
- Use of Standard Traffic Control Templates does not relieve the user of other requirements, including 24 hour notification prior to beginning work. For emergency work, notification shall be provided within 1 hour of dispatch as defined in Section 7-8.03 of the County Standard Construction Specifications. Authorized utilities will not be required to provide notification if the work does not involve excavation and does not obstruct or modify pedestrian, bicycle or vehicular traffic patterns.
- Users of these Standard Traffic Control Templates shall review field conditions prior to beginning work. Users shall determine specific aspects of the roadway at the work location; determine the most appropriate template to be used for the proposed work; complete data table and revise the template with notes and sketches as appropriate to delineate actual field conditions. Locations where templates do not reasonably depict actual field conditions shall be submitted for review.
- Revised Standard Traffic Control Template shall be on site at all times in which traffic controls are in place and available for review by the County inspector.
- Failure to comply with these requirements shall be considered an encroachment violation and may be subject to penalties as indicated in Section 12.08 of the County code.

REVISIONS			
REV.	DESCRIPTION	BY	DATE
1	-Revise General Note 4 / Revise Instr 1	GDK	2/14


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DEPARTMENT OF TRANSPORTATION

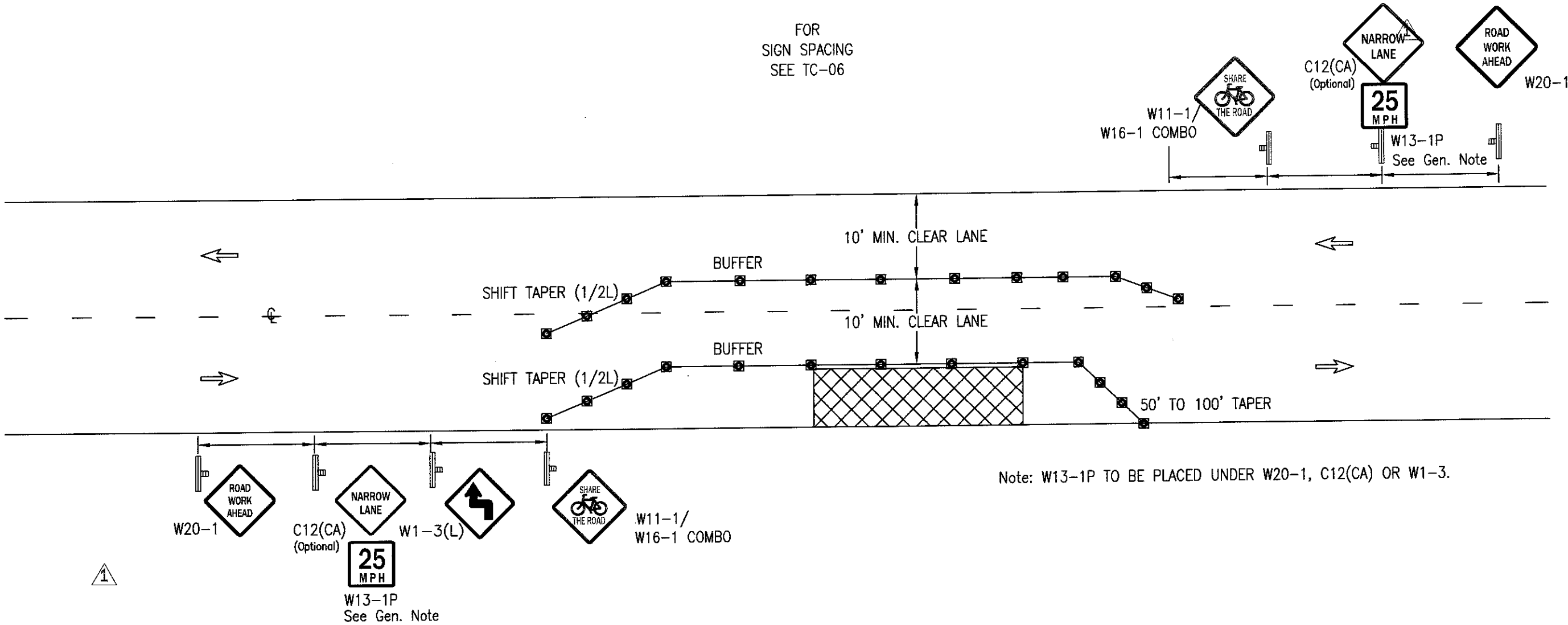


M & O TYPICAL TRAFFIC CONTROL PLANS

GENERAL NOTES

JOB NO. _____	SCALE
TEMPLATE NAME TC-02	HOR: N/A
DRAWN _____	VER: N/A
DESIGNED _____	SHEET
CHECKED _____	TC-02
SHEET DATE 7/1/2010	OF 50 SHEETS

FOR
SIGN SPACING
SEE TC-06



LEGEND

- CONE
- BARRICADE
- FLAGGER
- SIGN
- ARROW PANEL
- WORK AREA
- TRAFFIC DIRECTION
- CHANGEABLE MESSAGE SIGN

GENERAL NOTES 1

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share The Road signage required when outermost lane plus paved shoulder is less than 14'.
- The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME _____
PHONE _____

POSTED SPEED LIMIT	*TAPER LENGTH	*SPACING OF CONES	*SIGN SPACING	*BUFFER LENGTH

* REFERENCE TABLES ON TC-06

REVISIONS			
REV.	DESCRIPTION	BY	DATE
1	-Delete Spd Reduction / Rev. Gen. Notes	GDK	2/14

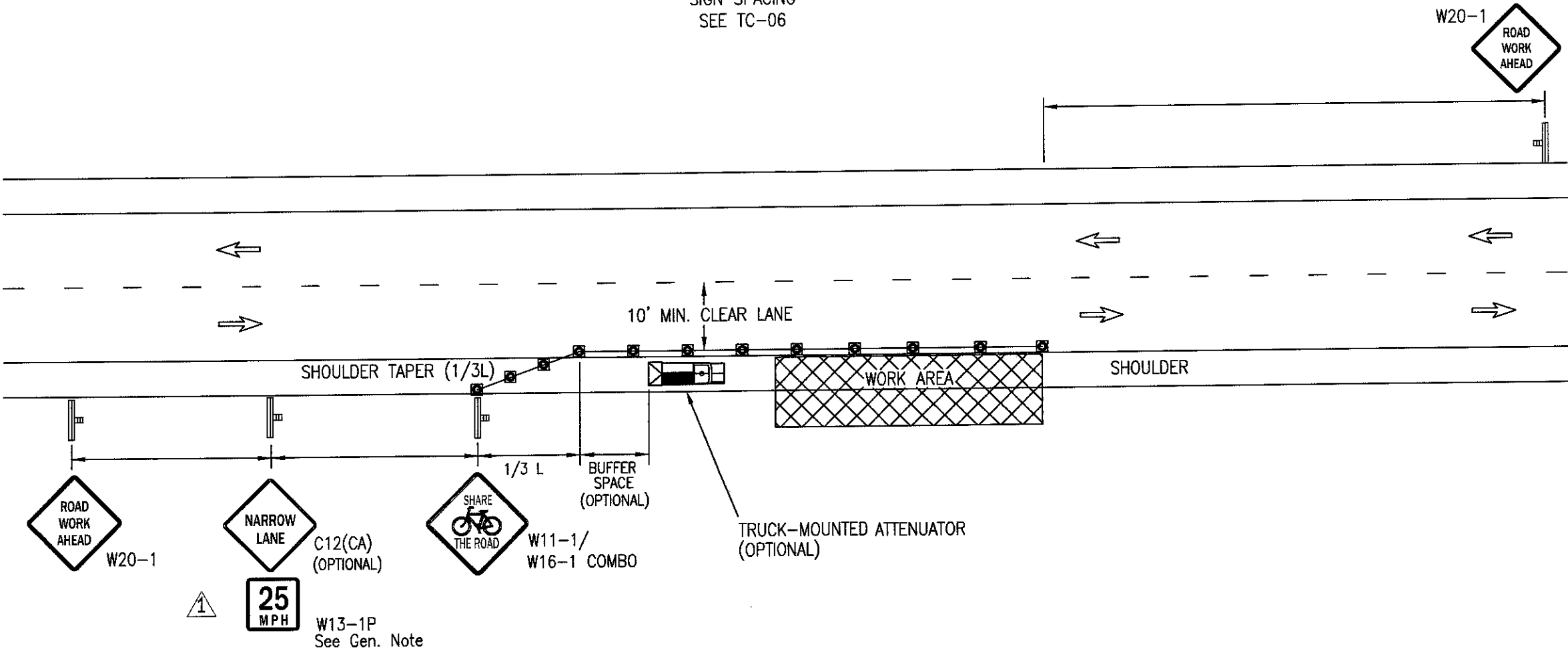
Reza Moghissi
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DEPARTMENT OF TRANSPORTATION

M & O TYPICAL TRAFFIC CONTROL PLANS

SIDE OF ROAD - WORK AREA
TWO LANE TRAFFIC CONTROL
WITH CENTERLINE - ONE LANE

JOB NO. _____
TEMPLATE NAME TC-08
DRAWN LB
DESIGNED _____
CHECKED SU/GK
SHEET DATE 7/1/2010
SCALE HOR: N/A VER: N/A
SHEET TC-08 OF 50 SHEETS

FOR
SIGN SPACING
SEE TC-06



LEGEND

- CONE
- BARRICADE
- FLAGGER
- SIGN
- ARROW PANEL
- WORK AREA
- TRAFFIC DIRECTION
- CHANGEABLE MESSAGE SIGN

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
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COMPETENT PERSON

NAME _____
PHONE _____

POSTED SPEED LIMIT	*TAPER LENGTH	*SPACING OF CONES	*SIGN SPACING	*BUFFER LENGTH

* REFERENCE TABLES ON TC-06

REVISIONS			
REV.	DESCRIPTION	BY	DATE
1	-Revise Gen Note	GDK	2/14

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DEPARTMENT OF TRANSPORTATION

SACDOT

M & O TYPICAL TRAFFIC CONTROL PLANS

SHOULDER WORK
WITH MINOR ENCROACHMENT

JOB NO. _____
TEMPLATE NAME TC-26
DRAWN LG
DESIGNED _____
CHECKED SU/GK
SHEET DATE 7/1/2010

SCALE
HOR: N/A
VER: N/A
SHEET
TC-26
OF 50 SHEETS

PROJECT: A00BEN1
SPECIFICATION: TBD
GEO CODE: TBD
CABLE CLLI: TBD

WESTERN TERRITORY MAINTENANCE PROJECTS

SACRAMENTO, CA TO MANTECA, CA LIGHTGUIDE SYSTEM

SACRAMENTO 01 TO
MANTECA 10

SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3



PERMIT ISSUE
MAY, 2017



VICINITY MAP
NTS

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AND CONFIDENTIAL BUSINESS INFORMATION OF AT&T

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LIST OF DRAWINGS

DRAWING

DESCRIPTION

SHEET 01

COVER SHEET

LIST OF DRAWINGS

SHEET 02

LIST OF SYMBOLS & ABBREVIATIONS

SHEET 03

GENERAL NOTES

SHEET 04

PROJECT OVERVIEW

SHEETS A00BEN1-15A TO A00BEN1-22A

CABLE ROUTE

SHEET 27

DETAIL CONSTRUCTION DRAWING
SKTNCA11 BUILD

SHEET 28

TYPICAL DETAIL DRAWING
TRENCH DETAILS

REVISION

BY

DATE

1. PERMIT ISSUE

LR

5/2017


NOTES:
1.

811

CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF
NORTHERN CALIFORNIA & NEVADA
1-800-227-2600

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PREPARED FOR CONSTRUCTION

APPROVED FOR DAN MCGEOUGH MM/YY
OUTSIDE PLANT ENGINEER DATE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED
ENGINEER UNDER THE LAWS OF THE STATE OF
CALIFORNIA.

SIGNED _____ REG. NO. _____



SCG
SHASTA CONSULTING GROUP, INC.

SPECIFICATION TBD
PROJECT NUMBER TBD

OWNERSHIP: 100%ISD 0%IXC
CABLE GEO: TBD
CABLE CLI: TBD

SCALE: NTS

SACRAMENTO 01, CA TO
MANTECA 10, CA
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC
CABLE REPLACEMENT
SOUTH SEGMENT 3
LIST OF DRAWINGS

SHEET 01

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PLAN SYMBOLS




●	AT&T CABLE MKR
← MKR #	
0000+00	AT&T CABLE MKR LABEL
00' L	
##" DOC	AT&T DEPTH OF COVER NOTE
✕	AT&T ROUTE POINT
⊠	AT&T SPLICE MANHOLE
□	AT&T PULL MANHOLE
⊗	AT&T SPLICE VAULT
○	AT&T PULL VAULT
⊠	AT&T REGENERATOR
..	DIAMETER
CL	CENTERLINE
PL	PROPERTY LINE
§	SECTION LINE
NOTE	GENERAL NOTE
SIGN	SIGN
✕-✕-✕	GATE
●	TREE - DECIDUOUS
★	TREE - CONIFER
○	UTILITY POLE
←	UTILITY POLE ANCHOR
⊙	UTILITY CELL TOWER
⚡	ELECTRIC LIGHT POLE
⊠	POWER VAULT
⊠	PAD MOUNT TRANSFORMER
⊠	TRANSMISSION TOWER
⊠	GAS VALVE
⊠	GAS METER
⊠	TELEPHONE MANHOLE
⊠	TELEPHONE VAULT
□	STORM DRAIN CATCH BASIN
⊗	STORM DRAIN MANHOLE
⊗	SANITARY SEWER MANHOLE
⊗	FIRE HYDRANT
⊠	WATER VALVE
⊠	WATER METER
⊠	SOIL BORING
##	COUNTY ROAD
##	STATE HIGHWAY
##	U.S. HIGHWAY
##	INTERSTATE
○	SECTION CENTER
⊗	CLOSING CORNER
⊗	QUARTER CORNER
Z	OWNERSHIP TIE
⊕	BENCHMARK
⊕	MONUMENT

ABBREVIATIONS

A/C	ASPHALT CONCRETE
ASPH.	ASPHALT
AH	AHEAD
AT&T	AMERICAN TELEPHONE & TELEGRAPH
BK	BACK
CA	CALIFORNIA
C/L	CENTERLINE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLSR.	CLOSURE
CMP	CORRUGATED METAL PIPE
C.O.	CENTRAL OFFICE
CONC.	CONCRETE
CU FT.	CUBIC FEET
DIA.	DIAMETER
DU.	DUCT
DWG.	DRAWING
(E)	EXISTING
ENCASE.	ENCASEMENT
ENGR.	ENGINEER
EOP	EDGE OF PAVEMENT
EQUIP.	EQUIPMENT
E GUY	ELECTRICAL GUY
E POLE	ELECTRICAL POLE
EXIST.	EXISTING
FH	FIRE HYDRANT
FOC	FIBER OPTIC CABLE
FTA	FIBER TRANSMISSION A CABLE
FTB	FIBER TRANSMISSION B CABLE
FUT.	FUTURE
F.S.	FINISH SURFACE
G.I.P.	GALVANIZED IRON PIPE
GND.	GROUNDING
GNFO	GLOBAL NETWORK FIELD OPERATION
HDPE	HIGH DENSITY POLYETHYLENE
HWY	HIGHWAY
INT.	INTERMEDIATE
L.F	LINEAL FEET
M.H	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
MKR.	MARKER
NV	NEVADA
(N)	NEW
NTS	NOT TO SCALE
OR	OREGON
PL	PLACE
P/L	PROPERTY LINE
PED	PEDESTAL
P.P.	POWER POLE
P.O.P.	POINT OF PRESENCE
POLY	POLYETHYLENE
PROP.	PROPOSED
P.B.	PULL BOX
PVC	POLYVINYL CHLORIDE
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
R/W	RIGHT OF WAY
SB	SPLICE BOX
SC	SPLICE CLOSURE
SEC.	SECTION
SDR	STANDARD DIMENSION RATIO
SMH	SEWER MANHOLE
STA.	STATION
SQ. FT.	SQUARE FEET
T	TOWNSHIP
T M.H.	TELEPHONE MANHOLE
T POLE	TELEPHONE POLE
TYP.	TYPICAL
W/	WITH
W-W	WALL TO WALL

LINETYPE KEY

—————	AT&T FIBER OPTIC CABLE/CONDUIT (EXISTING)
—————	AT&T FIBER OPTIC CABLE/CONDUIT (PROPOSED)
—————	AT&T FIBER OPTIC CABLE/CONDUIT w/ CASING
~~~~~	BRUSH/TREE LINE
———>———<———	CULVERT/ DRAIN PIPE
—————	CENTERLINE ROAD
—————	DRAINAGE FLOWLINE
—————	FACE OF CURB
—————	EDGE OF STREET/ROAD (PAVED)
—————	EDGE OF GRAVEL ROAD
———x———x———x———x———x———	FENCE LINE
—————	EDGE OF SIDEWALK
———o———o———o———o———o———	GUARDRAIL
—————	PROPERTY LINE
———+———+———+———+———+———+———	RAILROAD
—————	RIGHT OF WAY LINE
———E———E———	UTILITY - ELECTRIC (BURIED)
———OH———	UTILITY - ELECTRIC (OVERHEAD)
———T———T———	UTILITY - TELEPHONE (BURIED)
———OH———	UTILITY - TELEPHONE (OVERHEAD)
———FO———FO———	UTILITY - FIBER OPTIC
———G———G———	UTILITY - GAS
———SAN———SAN———	UTILITY - SANITARY SEWER
———SD———SD———	UTILITY - STORM DRAIN
———TV———TV———	UTILITY - CABLE TELEVISION (BURIED)
———OH———	UTILITY - CABLE TELEVISION (OVERHEAD)
———W———W———	UTILITY - WATER
———v———v———v———v———v———	VEGETATION/WETLANDS
———V———V———V———V———V———	WALL - RETAINING
—————	SECTION, TOWNSHIP & RANGE LINES
—————	EDGE OF WATER
—————	CONTOUR MAJOR
—————	CONTOUR MINOR

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017
NOTES:		
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PREPARED FOR CONSTRUCTION		
APPROVED FOR	DAN MCGEOUGH	MM/YY
OUTSIDE PLANT	ENGINEER	DATE
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SIGNED	REG. NO.	
<div></div> <div>SHASTA CONSULTING GROUP, INC.</div>		
SPECIFICATION	TBD	
PROJECT NUMBER	TBD	
OWNERSHIP:	100%ISD 0%IXC	
CABLE GEO:	TBD	
CABLE CLI:	TBD	
SCALE:	NTS	
SACRAMENTO 01, CA TO		
MANTECA 10, CA		
LIGHTGUIDE SYSTEM		
SACRAMENTO TO MANTECA FTC		
CABLE REPLACEMENT		
SOUTH SEGMENT 3		
SYMBOLS & ABBREVIATIONS		
SHEET 02		



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GENERAL NOTES


- 1. UTILITIES AND SUBSTRUCTURES SHOWN HEREON ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY, LOCATE AND PROTECT IN PLACE AS REQUIRED.
- 2. ALL TRAFFIC CONTROL TO BE IN ACCORDANCE WITH WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITIONS, OR AS REQUIRED BY THE GOVERNING AGENCIES.
- 3. BEFORE EXCAVATION CALL:  
1-800-227-2600 CALIFORNIA AND NEVADA UTILITY NOTIFICATION CENTER  
CONTRACTOR MUST NOTIFY USA NORTH TWO FULL DAYS BEFORE DIGGING.
- 4. OR CALL NATIONWIDE ONE CALL SYSTEM TOLL FREE AT 811.
- 5. AND IF WORKING ON UNION PACIFIC RAILROAD RIGHT OF WAY CALL 1-800-336-9193
- 6. INFORMATION IN THIS PACKAGE IS PROPRIETY AND NOT FOR USE OR DISCLOSURE OUTSIDE AT&T, THEIR SUPPLIERS AND AFFILIATES. IF YOU HAVE ACQUIRED THIS PACKAGE IN ERROR OR ARE NOT THE NAMED RECIPIENT, PLEASE CONTACT SHASTA CONSULTING GROUP, INC. AT (530) 841-0621. ADDRESS IS 700 S. MAIN ST. - SUITE 3 YREKA, CA 96097.
- 7. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON LIMITED INFORMATION OBTAINED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING UTILITIES.
- 8. RECONSTRUCT SHOULDERS AND BANKS TO ORIGINAL CONDITION.

CONSTRUCTION NOTES

- 1. ALL COVER DEPTHS INDICATED ON DRAWINGS ARE MEASURED FROM GRADE TO TOP OF CONDUIT.
- 2. MINIMUM COVER FOR STRUCTURE SHALL BE 42" BELOW PROPOSED FINISHED GRADE, OR AS REQUIRED BY PERMITS ISSUED BY THE GOVERNING AGENCIES.
- 3. PLACE MARKING TAPE CONTINUOUSLY ALONG THE TRENCH LINE AT 18" DEPTH BELOW FINISH GRADE.
- 4. SHORE ANY EXCAVATION AS REQUIRED BY O.S.H.A. STANDARDS.
- 5. THE CONTRACTOR SHALL POTHOLE EXISTING CABLE FOR LOCATION PRIOR TO CONSTRUCTION. AT&T OPERATIONS SHALL BE NOTIFIED BEFORE COMMENCING THIS OPERATION.
- 6. THE CONTRACTOR SHALL FURNISH A GUARD AT THE SITE WHENEVER THE FIBER OPTIC CABLE IS LEFT EXPOSED DURING NON-WORKING HOURS (OVER NIGHT AND WEEKENDS).
- 7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE VARIOUS PERMITS OBTAINED FOR THE PROJECT AND ON FILE IN THE OFFICES OF THE ENGINEER.
- 8. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT EXISTING LAWNS, TREES, AND SHRUBS OUTSIDE RIGHT-OF-WAY, SIDEWALKS, CURBS, PAVEMENTS, UTILITIES, ADJOINING PROPERTY, AND STRUCTURES, AND TO AVOID DAMAGE THERETO CAUSED BY CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER, EXCEPT AS OTHERWISE PROVIDED FOR.
- 9. WHERE HAZARDOUS CONDITIONS EXIST, PROPER SIGNING, FLAGGING, AND BARRICADING SHALL BE PROVIDED BY THE CONTRACTOR, WHENEVER DIRECTED BY THE ENGINEER. SUPPLEMENTAL SIGNS AND BARRICADES, INCLUDING LANTERNS AND/OR HIGH RISE WARNING DEVICES, SHALL BE PROVIDED BY THE CONTRACTOR.
- 10. A WASTE SITE HAS NOT BEEN PROVIDED BY THE OWNER FOR THE DISPOSAL OF EXCESS MATERIALS AND DEBRIS.
- 11. NO TRENCH OR EXCAVATION SHALL BE LEFT OPEN OVERNIGHT OR UNATTENDED.
- 12. HOURS OF CONSTRUCTION SHALL BE LIMITED BY PERMITS OBTAINED FOR THE PROJECT.
- 13. THE BORE CONTRACTOR SHALL SUBMIT A PLAN INDICATING PROPOSED HORIZONTAL AND VERTICAL ALIGNMENTS OF THE BORE ROUTE AND BORE PIT LOCATIONS TO THE PROJECT ENGINEER FOR APPROVAL, PRIOR TO CONSTRUCTION, IN ACCORDANCE WITH AT&T STANDARD SPECIFICATIONS, SECTION 404.03
- 14. THE BORE CONTRACTOR SHALL VERIFY THE HORIZONTAL LOCATION OF THE BORE CONTINUOUSLY DURING OPERATIONS, IN THE PRESENCE OF THE INSPECTOR, AND SHALL MAINTAIN IT WITHIN 2 FEET OF THE PROPOSED ALIGNMENT AT ALL TIMES UNLESS OTHERWISE NOTED. VARIATION FROM THIS REQUIREMENT MAY RESULT IN REFUSAL OF BORE CONSTRUCTION.
- 15. THE BORE CONTRACTOR SHALL HAVE THE EXISTING FIBER OPTIC CABLE LOCATION & DEPTH VERIFIED DURING BORE CONSTRUCTION OPERATIONS BY THE AT&T TECH.
- 16. ALL APPLICABLE PERMITS SHALL BE APPROVED AND ON SITE PRIOR TO CONSTRUCTION, COORDINATE ALL PERMITS WITH THE PROJECT ENGINEER. THE CONTRACTOR SHALL ABIDE BY ALL PERMIT REQUIREMENTS.
- 17. PROVIDE STORM WATER BMP'S SUCH AS SILT FENCING AND STRAW BALES PER PLAN AND AS NEEDED, IN ACCORDANCE WITH THE APPLICABLE PERMITS AND STANDARD PRACTICES, PRIOR TO ANTICIPATED RAIN EVENTS.

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017


NOTES:  
1.



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PREPARED FOR CONSTRUCTION

APPROVED FOR DAN MCGEOUGH MM/YY  
OUTSIDE PLANT ENGINEER DATE

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SIGNED REG. NO.



SHASTA CONSULTING GROUP, INC

SPECIFICATION TBD  
PROJECT NUMBER TBD

OWNERSHIP: 100%ISD 0%IXC  
CABLE GEO: TBD  
CABLE CLI: TBD

SCALE: NTS

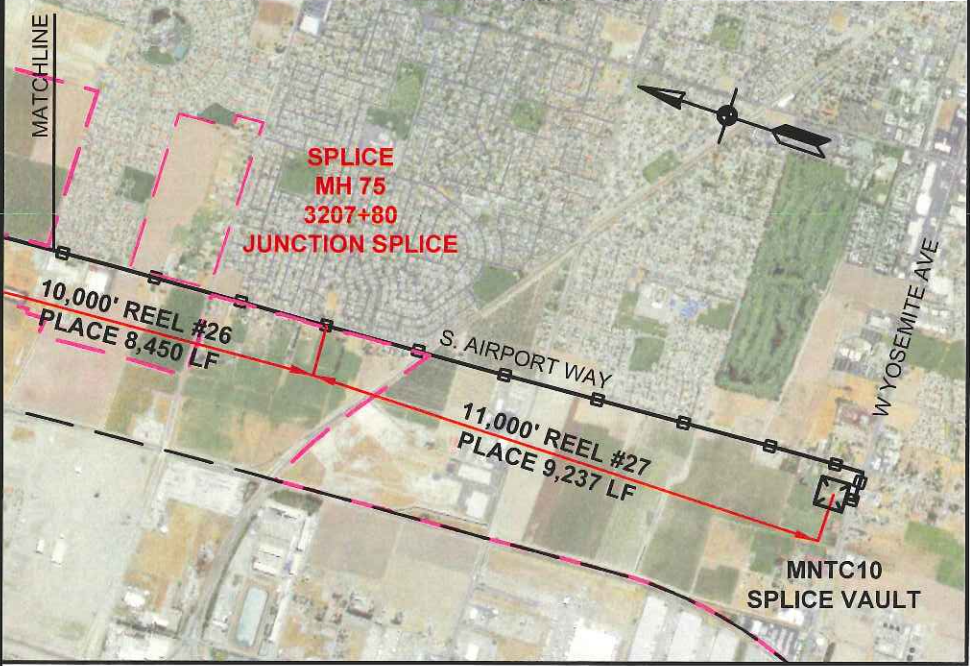
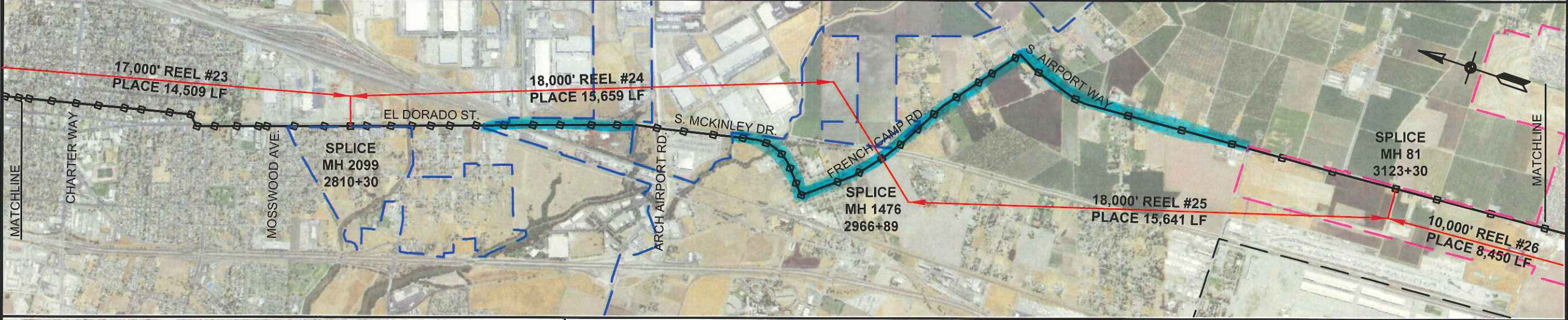
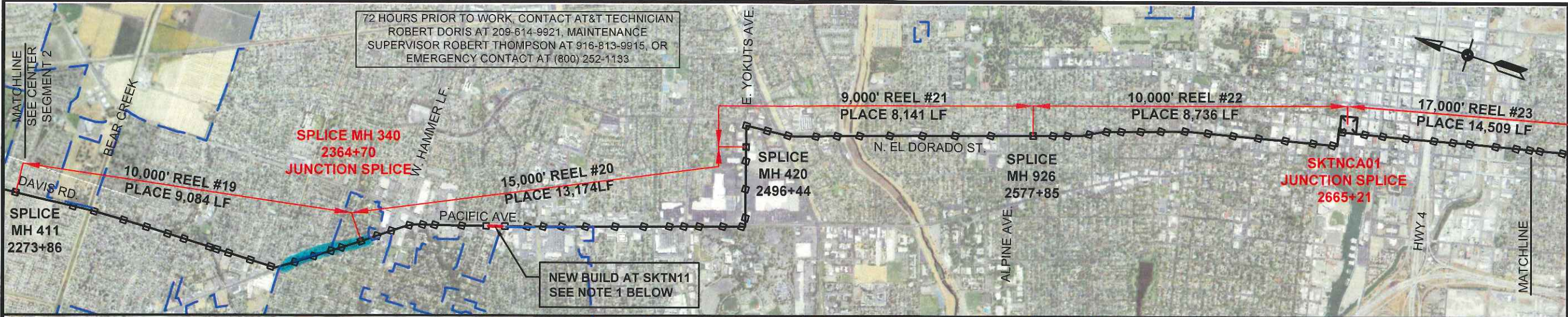
SACRAMENTO 01, CA TO  
MANTECA 10, CA  
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC  
CABLE REPLACEMENT  
SOUTH SEGMENT 3  
GENERAL NOTES

SHEET 03



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**PROJECT NOTES:**

1. NEW BUILD AT SKTN11 IN STOCKTON SEE SHEETS 27 AND 28.
2. SOUTH SEGMENT SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.
3. AT&T GNFO TECH TO IDENTIFY FTB F.O.C. BY AT&T APPROVED METHOD PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR SHALL UTILIZE EXISTING FTB F.O.C. TO PLACE NEW 144CT F.O.C. THRU EXISTING CONDUIT. CONTRACTOR TO MAINTAIN SAME CONDUIT PATH AS EXISTING FTB F.O.C. FOR NEW 144CT F.O.C. CONTRACTOR TO COORDINATE WITH AT&T GNFO TECH AND PROJECT ENGINEER PRIOR TO PLACING NEW CABLE TO ENSURE FTB F.O.C. IS CLEARLY IDENTIFIED.
5. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, DE WATERING AND SAFE ACCESS TO ALL MH'S DURING CABLE PLACEMENT.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR SAFE ENTRY INTO MANHOLE INCLUDING VENTILATION BLOWER, WATER PUMP, GAS DETECTOR AND WATER TESTING KIT.
7. CONTRACTOR WILL BE REQUIRED TO SUBMIT TRAFFIC CONTROL PLANS TO PERMIT AUTHORITIES FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK, FOR ALL SEGMENTS OF CONSTRUCTION. COORDINATE WITH PROJECT ENGINEER.
8. CONTRACTOR SHALL ABIDE BY ALL PERMIT AUTHORITY REQUIREMENTS AND REGULATIONS AS ASSOCIATED WITH THIS PROJECT.
9. CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER TO NOTIFY AT&T-CA 24 HRS PRIOR TO START OF CONSTRUCTION.

**ENCROACHMENT PERMIT AUTHORITIES FOR PROJECT**

**City of Stockton**  
209-937-8386 (Obtain Control Number)  
209-937-8381 (Inspection)  
Notice: Obtain Control Number 24 hours prior to start of construction  
Begin Construction within 72 hours of obtaining Control Number

**City of Manteca**  
209-639-5964 (Inspection)  
Notice: 48 hours prior to start of construction

**County of San Joaquin**  
209-468-3000  
Notice: 24 hours prior to start of construction

**LEGEND**

NEW BUILD ————

CABLE ROUTE ————

PULL MANHOLE □

SPLICE MANHOLE ⊠

STOCKTON CITY LIMITS ————

MANTECA CITY LIMITS ————

REVISION	BY	DATE
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NOTES:

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PREPARED FOR CONSTRUCTION  
APPROVED FOR DAN MCGEOUGH 5/2017  
OUTSIDE PLANT ENGINEER DATE

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ENGINEER UNDER THE LAWS OF THE STATE OF  
CALIFORNIA.

SIGNED _____ REG. NO. _____

**SCG**  
SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD

OWNERSHIP: 100%ISD 0%IXC  
CABLE GEO: TBD  
CABLE CLL: TBD

SCALE: 1" = 3000'

SACRAMENTO 01, CA TO  
MANTECA 10, CA  
LIGHTGUIDE SYSTEM

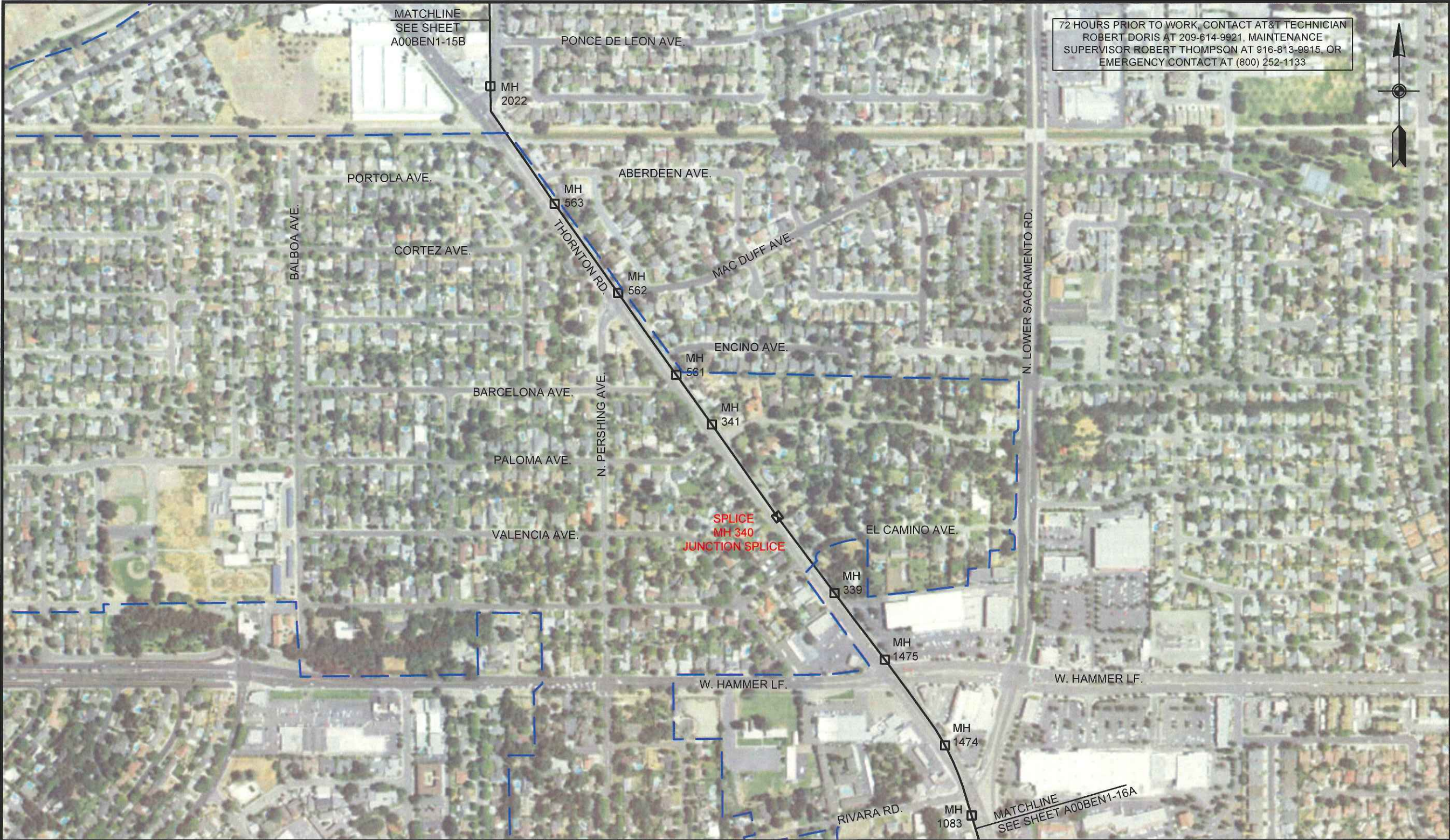
SACRAMENTO TO MANTECA FTC  
CABLE REPLACEMENT

SOUTH SEGMENT 3  
PROJECT OVERVIEW


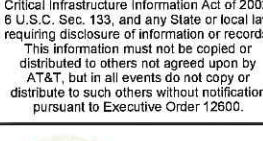

**SHEET 04**



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REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017
NOTES: 1.		
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APPROVED FOR	DAN MCGEOUGH	MM/YY
OUTSIDE PLANT	ENGINEER	DATE
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SIGNED	REG. NO.	
<div></div> <div>SHASTA CONSULTING GROUP, INC</div>		
SPECIFICATION	TBD	
PROJECT NUMBER	TBD	
OWNERSHIP:	100%ISD 0%IXC	
CABLE GEO:	TBD	
CABLE CLLI:	TBD	
SCALE:	1" = 500'	
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM		
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3 CABLE ROUTE		
A00BEN1-15C		

**CONSTRUCTION NOTES:**

1. SOUTH SEGMENT 3 SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.



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SHASTA CONSULTING GROUP, INC

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3 CABLE ROUTE	
A00BEN1-19B	

**CONSTRUCTION NOTES:**  
1. SOUTH SEGMENT 3 SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.



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SPECIFICATION TBD  
PROJECT NUMBER TBD

OWNERSHIP: 100%ISD 0%IXC  
CABLE GEO: TBD  
CABLE CLLI: TBD

SCALE: 1" = 500'

SACRAMENTO 01, CA TO  
MANTECA 10, CA  
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC  
CABLE REPLACEMENT  
SOUTH SEGMENT 3  
CABLE ROUTE

A00BEN1-19C

CONSTRUCTION NOTES:

1. SOUTH SEGMENT 3 SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.



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SPECIFICATION TBD  
PROJECT NUMBER TBD

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CABLE GEO: TBD  
CABLE CLLI: TBD

SCALE: 1" = 500'

SACRAMENTO 01, CA TO  
MANTECA 10, CA  
LIGHTGUIDE SYSTEM

SACRAMENTO TO MANTECA FTC  
CABLE REPLACEMENT  
SOUTH SEGMENT 3  
CABLE ROUTE

**A00BEN1-20A**

**CONSTRUCTION NOTES:**




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CABLE GEO:	TBD	
CABLE CLLI:	TBD	
SCALE:	1" = 500'	
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM		
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3 CABLE ROUTE		
A00BEN1-20B		

**CONSTRUCTION NOTES:**

1. SOUTH SEGMENT 3 SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.



M:\SCG Office\Projects CA\Sacramento to Manteca FTC Cable Replacement\Drawings\FTD Cable Placement_South.dwg, 5/17/2017 6:50:44 AM, _DWG To PDF.pc3




72 HOURS PRIOR TO WORK, CONTACT AT&T TECHNICIAN  
ROBERT DORIS AT 209-614-9921, MAINTENANCE  
SUPERVISOR ROBERT THOMPSON AT 916-813-9915, OR  
EMERGENCY CONTACT AT (800) 252-1133

REVISION	BY	DATE
1. PERMIT ISSUE	LR	5/2017

NOTES:
1.


  



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APPROVED FOR **DAN MCGEOUGH** MM/YY  
OUTSIDE PLANT ENGINEER DATE

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ENGINEER UNDER THE LAWS OF THE STATE OF  
CALIFORNIA.

SIGNED _____ REG. NO. _____



**SCG**  
SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLI:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3 CABLE ROUTE	
A00BEN1-20C	

**CONSTRUCTION NOTES:**

1. SOUTH SEGMENT 3 SHALL CONSIST OF INSTALLATION OF 144CT F.O.C. FROM SPLICE MH 411 TO MANTECA CO MNTCCA10.



M:\SCG Office\Projects CA\Sacramento to Manteca FTC Cable Replacement\Drawings\FTD Cable Placement_South.dwg, 5/17/2017 6:50:49 AM, _DWG To PDF.pc3




72 HOURS PRIOR TO WORK, CONTACT AT&T TECHNICIAN  
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SUPERVISOR ROBERT THOMPSON AT 916-813-9915, OR  
EMERGENCY CONTACT AT (800) 252-1133

REVISION	BY	DATE
1. PERMIT ISSUE	LR	9/2017

NOTES:


1.



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OUTSIDE PLANT ENGINEER DATE

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ENGINEER UNDER THE LAWS OF THE STATE OF  
CALIFORNIA.

SIGNED _____ REG. NO. _____



SHASTA CONSULTING GROUP, INC.

SPECIFICATION	TBD
PROJECT NUMBER	TBD
OWNERSHIP:	100%ISD 0%IXC
CABLE GEO:	TBD
CABLE CLL:	TBD
SCALE:	1" = 500'
SACRAMENTO 01, CA TO MANTECA 10, CA LIGHTGUIDE SYSTEM	
SACRAMENTO TO MANTECA FTC CABLE REPLACEMENT SOUTH SEGMENT 3 CABLE ROUTE	
A00BEN1-21A	



**AT&T CORP MAINTENANCE WORK SACRAMENTO TO MANTECA**

Manhole No.	Permit Plan Set Sheet No.	Traffic Control Plan Sheet Reference
<b>South Segment within San Joaquin County, City of Manteca and City of Stockton</b>		
MH-412	A00BEN1-15A	TC-26
MH-411	A00BEN1-15A	TC-17
MH-2088	A00BEN1-15A	TC-17
MH-2087	A00BEN1-15A	TC-17
MH-2086	A00BEN1-15B	TC-17
MH-2085	A00BEN1-15B	TC-17
MH-2084	A00BEN1-15B	TC-17
MH-2083	A00BEN1-15B	TC-17
MH-2082	A00BEN1-15B	Sidewalk
MH-2081	A00BEN1-15B	TC-17
MH-2080	A00BEN1-15B	TC-26
MH-2079	A00BEN1-15B	TC-26
MH-2022	A00BEN1-15C	TC-17
MH-563	A00BEN1-15C	TC-17
MH-562	A00BEN1-15C	TC-17
MH-341	A00BEN1-15C	TC-17
MH-340	A00BEN1-15C	TC-17
MH-339	A00BEN1-15C	TC-17
MH-1475	A00BEN1-15C	TC-17
MH-1474	A00BEN1-15C	TC-17
MH-1083	A00BEN1-15C	TC-26
MH-1079	A00BEN1-16A	TC-22
MH-1469	A00BEN1-16A	Sidewalk
MH-1078	A00BEN1-16A	Sidewalk
MH-962	A00BEN1-16A	TC-22
MH-963	A00BEN1-16A	TC-22
MH-964	A00BEN1-16A	TC-22
MH-965	A00BEN1-16A	TC-22
MH-966	A00BEN1-16A	TC-22
MH-967	A00BEN1-16B	TC-22
MH-968	A00BEN1-16B	TC-22
MH-969	A00BEN1-16B	TC-22
MH-970	A00BEN1-16B	TC-07
MH-1293	A00BEN1-16B	Sidewalk
MH-1294	A00BEN1-16B	TC-22
MH-1216	A00BEN1-16B	TC-22
MH-1217	A00BEN1-16B	Sidewalk
MH-418	A00BEN1-16B	Sidewalk
MH-419	A00BEN1-16B	Sidewalk
MH-420	A00BEN1-16C	Sidewalk
MH-421	A00BEN1-16C	Sidewalk
MH-853	A00BEN1-16C	TC-22
MH-442	A00BEN1-16C	TC-22
MH-854	A00BEN1-16C	Sidewalk



MH-576	A00BEN1-16C	Sidewalk
MH-855	A00BEN1-16C	Sidewalk
MH-868	A00BEN1-17A	TC-22
MH-364	A00BEN1-17A	TC-22
MH-928	A00BEN1-17A	TC-22
MH-927	A00BEN1-17A	Sidewalk
MH-926	A00BEN1-17A	TC-22
MH-401	A00BEN1-17B	TC-26
MH-400	A00BEN1-17B	TC-26
MH-399	A00BEN1-17B	TC-22
MH-398	A00BEN1-17B	Sidewalk
MH-517	A00BEN1-17B	Sidewalk
MH-516	A00BEN1-17B	Sidewalk
MH-515	A00BEN1-17B	Sidewalk
MH-514	A00BEN1-17C	Sidewalk
MH-513	A00BEN1-17C	Sidewalk
MH-512	A00BEN1-17C	Sidewalk
MH-1145	A00BEN1-17C	Sidewalk
MH-1144	A00BEN1-17C	TC-26
MH-1143	A00BEN1-17C	TC-26
MH-2094	A00BEN1-18A	TC-11
MH-1181	A00BEN1-18A	TC-11
MH-424	A00BEN1-18A	TC-07
MH-263	A00BEN1-18A	TC-29
MH-264	A00BEN1-18A	Sidewalk
MH-265	A00BEN1-18A	TC-07
MH-1122	A00BEN1-18B	Sidewalk
MH-1123	A00BEN1-18B	TC-07
MH-1124	A00BEN1-18B	TC-07
MH-330	A00BEN1-18B	TC-07
MH-2095	A00BEN1-18B	TC-07
MH-2096	A00BEN1-18B	TC-07
MH-1188	A00BEN1-18B	TC-07
MH-268	A00BEN1-18C	TC-07
MH-269	A00BEN1-18C	TC-07
MH-270	A00BEN1-18C	TC-07
MH-271	A00BEN1-18C	TC-07
MH-272	A00BEN1-18C	TC-26
MH-145	A00BEN1-18C	TC-26
MH-146	A00BEN1-18C	TC-22
MH-147	A00BEN1-19A	TC-22
MH-148	A00BEN1-19A	TC-22
MH-170	A00BEN1-19A	TC-22
MH-2097	A00BEN1-19A	TC-22
MH-2098	A00BEN1-19A	TC-22
MH-2099	A00BEN1-19A	TC-22
MH-2100	A00BEN1-19A	TC-22

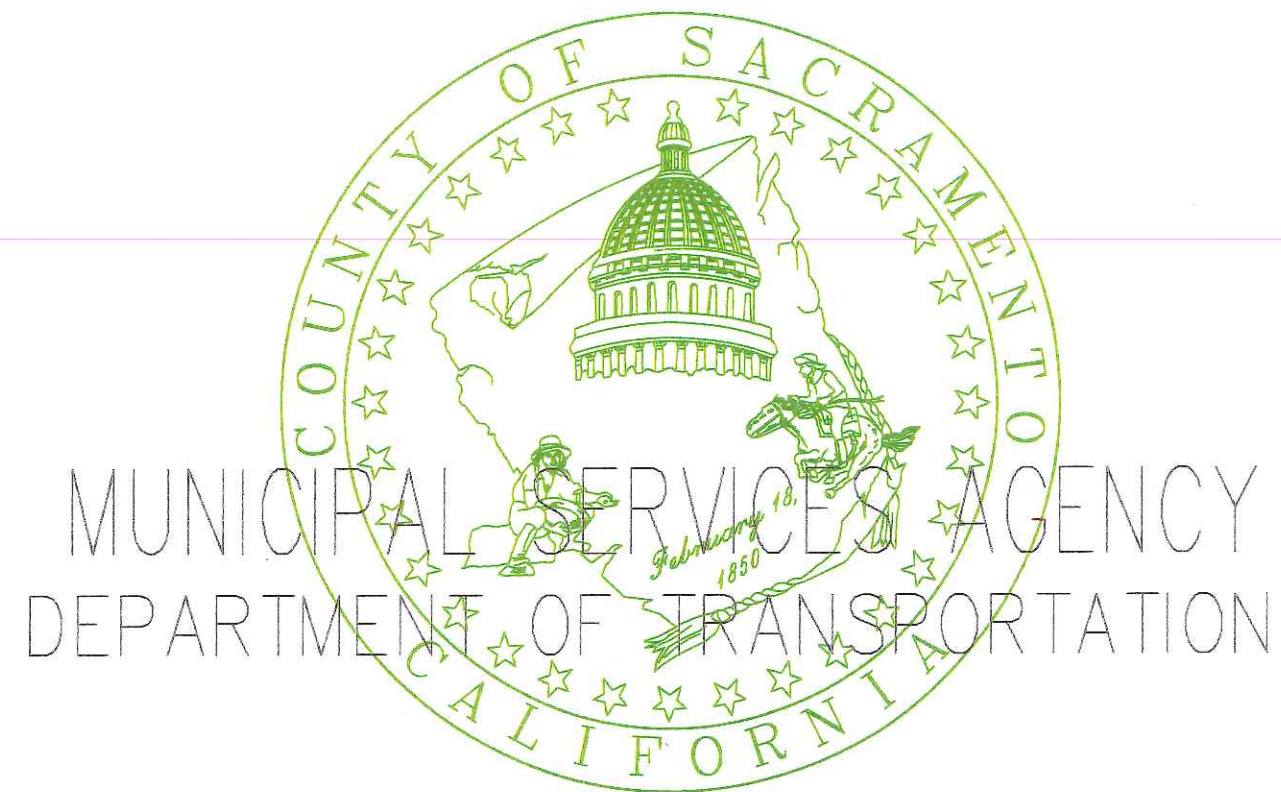


MH-2101	A00BEN1-19B	TC-26
MH-2102	A00BEN1-19B	TC-26
MH-2103	A00BEN1-19B	TC-22
MH-2104	A00BEN1-19B	TC-26
MH-2115	A00BEN1-19B	TC-26
MH-354	A00BEN1-19B	TC-26
MH-986	A00BEN1-19C	TC-26
MH-987	A00BEN1-19C	TC-26
MH-988	A00BEN1-19C	TC-26
MH-989	A00BEN1-19C	TC-26
MH-990	A00BEN1-19C	TC-26
MH-991	A00BEN1-20A	TC-26
MH-992	A00BEN1-20A	TC-26
MH-993	A00BEN1-20A	TC-26
MH-714	A00BEN1-20A	TC-26
MH-713	A00BEN1-20A	TC-26
MH-712	A00BEN1-20A	TC-26
MH-711	A00BEN1-20B	TC-26
MH-440	A00BEN1-20B	TC-26
MH-1385	A00BEN1-20B	TC-26
MH-2072	A00BEN1-20B	TC-26
MH-1476	A00BEN1-20B	TC-26
MH-2073	A00BEN1-20B	TC-26
MH-2074	A00BEN1-20B	TC-26
MH-2075	A00BEN1-20B	TC-26
MH-2076	A00BEN1-20B	TC-26
MH-2077	A00BEN1-20C	TC-26
MH-2078	A00BEN1-20C	TC-26
MH-1386	A00BEN1-20C	TC-26
MH-2144	A00BEN1-20C	TC-26
MH-2143	A00BEN1-20C	TC-26
MH-2142	A00BEN1-21A	TC-26
MH-2141	A00BEN1-21A	TC-26
MH-2140	A00BEN1-21A	TC-26
MH-83	A00BEN1-21A	TC-26
MH-82	A00BEN1-21A	TC-08
MH-81	A00BEN1-21B	TC-26
MH-80	A00BEN1-21B	TC-26
MH-79	A00BEN1-21B	TC-26
MH-78	A00BEN1-21B	TC-07
MH-77	A00BEN1-21B	TC-26
MH-76	A00BEN1-21C	TC-26
MH-75	A00BEN1-21C	TC-26
MH-74	A00BEN1-21C	TC-26
MH-73	A00BEN1-21C	TC-26
MH-72	A00BEN1-21C	TC-26
MH-71	A00BEN1-22A	TC-26



MH-70	A00BEN1-22A	TC-26
MH-69	A00BEN1-22A	TC-26
MH-68	A00BEN1-22A	TC-11
MANTECA CO	A00BEN1-22A	TC-26





MUNICIPAL SERVICES AGENCY  
DEPARTMENT OF TRANSPORTATION

# TRAFFIC CONTROL PLAN TEMPLATES

OCTOBER 2010

Revised February 2014

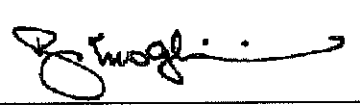


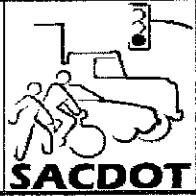
**SHEET NO.**

**TITLE**

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TC-02	General Notes
TC-03	Holiday Moratorium Map – North Area
TC-04	Holiday Moratorium Map – South Area
TC-05	Typical Construction Signs
TC-06	Device Spacing Table – Signs Spacing, Taper Length and Cons Spacing
TC-07	Side of the Road – Two Lane Traffic Control without Centerline
TC-08	Side of the Road – Two Lane Traffic Control with Centerline – One Lane
TC-09	Center of Road – Two Lane Traffic Control without Centerline
TC-10	Side of the Road – Two Lane Traffic Control with Flaggers – One Lane
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TC-29	Intersection – Closure at Side of Intersection
TC-30	Interior of Road – Left Lane Closure on Far Side of Intersection
TC-31	Intersection – Left Lane Closure at Intersection
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TC-33	Side of the Road – Closure at Far Side of Intersection
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TC-38	Side of the Road – Left Turn Intersection Traffic Control with Right Lane Closure at Far Side of Intersection
TC-39	Interior of the Road – Left Turn Intersection Traffic Control with Left Lane Closure at Far Side of Intersection
TC-40	Side of the Road – Left Turn Intersection Traffic Control with Right Lane Closure at Far Side of Intersection
TC-41	Not Used
TC-42	Not Used
TC-43	Intersection – Right Lane / Left Lane Closure at Intersection
TC-44	Work on Shoulders
TC-45	Pedestrian Mitigation Req. – Typical Pedestrian Control
⚠ TC-45.1	Pedestrian Control – Typical Variations
⚠ TC-46	Moving Traffic Control – Shoulder Maintenance – Single Lane
⚠ TC-47	Short Duration – 60 Minutes Or Less – Legend Painting
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⚠ TC-49	Short Duration – 60 Minutes Or Less – Median Work
⚠ TC-50	Short Duration – 60 Minutes Or Less – Right Or Left Lane Traffic Control

REVISIONS			
REV	DESCRIPTION	BY	DATE
1	-Add Sheets 45.1 – 50	GDK	2/14

  
REZA MOGHISSI, CHIEF  
DEPARTMENT OF TRANSPORTATION



M & O TYPICAL TRAFFIC CONTROL PLANS

TABLE OF CONTENTS

JOB NO. _____	SCALE
TEMPLATE NAME TC-01	HOR: N/A
DRAWN LB	VER: N/A
DESIGNED _____	SHEET
CHECKED SU/GK	TC-01
SHEET DATE 7/1/2010	OF 50 SHEETS



General Notes

- 1
- All work shall comply with the latest edition of the County of Sacramento Standard Construction Specifications, County of Sacramento Improvement Standards, applicable Caltrans Standards, the California Manual of Uniform Traffic Control Devices (CaMUTCD) and other applicable provisions.
  - A minimum of one person shall be assigned to provide full time continuous monitoring and maintenance of traffic control devices.
  - All cones shall be 28 inches min. in height. Cones used during night time hours shall be equipped with retro reflective bands (or sleeves). Maximum cone spacing shall be as indicated but shall not be greater than 50 ft.
  - The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when work is not protected by a fixed barrier. Any other use of W13-1P or C17 series signs may only be considered when an engineering analysis concludes that a reduction of traffic speeds may help to improve traffic safety. C17 series signs may be used only when workers are actively engaged in construction activities. Speed reductions if justified, shall be lowered in 10 mph increments using C17 / W13-1P signage until the justified speed is obtained.
  - G20-2 "END ROAD WORK" sign shall be placed at the end of areas controlled by temporary traffic controls.
  - County inspector may direct the utility/contractor to discontinue operations at any time if the inspector determines that the work creates an undue safety risk or severe traffic congestion.
  - Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first and shall be placed progressively towards the work area.
  - Existing signs that may conflict with temporary traffic control devices shall be covered.
  - Flaggers shall wear approved safety vest, be equipped with stop / slow paddles and shall be in sight of each other or in direct communications at all times.
  - Minimum traffic lane widths shall be as follows:

10-feet where no fixed lateral obstructions exists

11-feet where fixed lateral obstruction (k-rail) exists on one side of lane

12-feet where fixed lateral obstruction exists on both sides of lane
  - Construction signage shall be promptly removed or covered whenever the message is not applicable or not in use.
  - Driveway access shall be maintained at all times unless other arrangements have been made through the affected property owner.
  - Buffer and taper areas shall remain clear of vehicles and equipment (except for appropriate TCP devices) at all times.
  - Work involving modifications to normal traffic signal operations shall be coordinated with the Sac County Traffic Operations center.
  - On roadways where parking is allowed, temporary "No Parking" signage may be placed where roadway widths are inadequate.
  - Contractor shall coordinate with county inspector to verify, identify and address conflicts with other planned or ongoing projects in the area.
  - If construction obstructs existing bus stop, the contractor shall coordinate work with Regional Transit (RT), 48 hours in advance of work and make provisions acceptable with RT to provide an alternative temporary location.
  - Contractor shall contact schools affected by construction to determine if school is in session. If school is in session, no traffic affecting construction activities shall take place 30 minutes before and 30 minutes after the arrival (AM) or departure (PM) bells. Contractor shall also notify any fire station which may be affected by construction activities.

Instructions For Using Templates

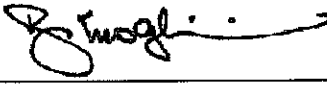
- Standard Traffic Control Templates are for use on projects requiring short duration (one day or less) traffic control measures and shall not be used on roadways with 3 or more lanes in any direction or at the following locations:

Street	Limits
Arden Way	Sac. City Limits to Eastern Ave.
Auburn Blvd.	Watt Ave. to Winding Way 1
Fair Oaks Blvd.	Sac City Limit to Sunrise Blvd.
Florin Rd.	Sac City Limit to Stockton Blvd.
Folsom Blvd.	Sac City Limit to Bradshaw Rd.
Fulton Ave.	All
Greenback Lane	All
Hazel Ave.	All
Howe Ave.	Folsom Blvd. to Alta Arden Express Way
Madison Ave.	Citrus Heights City Limits to Hazel Ave.
Sunrise Blvd.	All
Watt Ave.	Antelope Rd. to Kiefer Blvd


Plans at these locations shall be site specific and require specific review and approvals.

- Work covered under these Standard Traffic Control Templates shall be limited to week days between the hours of 8:00 am to 3:30 pm. Work outside of these working hours requires specific approval. In accordance with Section 7-8.06 of County of Sacramento Standard Construction Specifications, work shall be suspended and no activities that interfere with public traffic shall be conducted on designated streets during holiday season (defined as the four-day Thanksgiving weekend and December 8 through January 1) - See Holiday Moratorium Maps.
- Use of Standard Traffic Control Templates does not relieve the user of other requirements, including 24 hour notification prior to beginning work. For emergency work, notification shall be provided within 1 hour of dispatch as defined in Section 7-8.03 of the County Standard Construction Specifications. Authorized utilities will not be required to provide notification if the work does not involve excavation and does not obstruct or modify pedestrian, bicycle or vehicular traffic patterns.
- Users of these Standard Traffic Control Templates shall review field conditions prior to beginning work. Users shall determine specific aspects of the roadway at the work location; determine the most appropriate template to be used for the proposed work; complete data table and revise the template with notes and sketches as appropriate to delineate actual field conditions. Locations where templates do not reasonably depict actual field conditions shall be submitted for review.
- Revised Standard Traffic Control Template shall be on site at all times in which traffic controls are in place and available for review by the County inspector.
- Failure to comply with these requirements shall be considered an encroachment violation and may be subject to penalties as indicated in Section 12.08 of the County code.

REVISIONS			
REV.	DESCRIPTION	BY	DATE
1	-Revise General Note 4 / Revise Instr 1	GDK	2/14



REZA MOGHISSI, CHIEF  
DEPARTMENT OF TRANSPORTATION



M & O TYPICAL TRAFFIC CONTROL PLANS

GENERAL NOTES

JOB NO. _____	SCALE HOR: N/A VER: N/A
TEMPLATE NAME TC-02	SHEET
DRAWN LB	TC-02
DESIGNED _____	OF 50 SHEETS
CHECKED SU/GK	
SHEET DATE 7/1/2010	



W11-1/  
W16-1 COMBO

W4-2(R)

W20-5(R)

25  
MPH

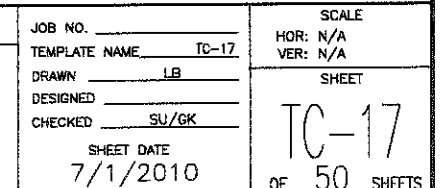
W13-1P  
See Gen. Note

W20-1

SHARE  
THE ROAD

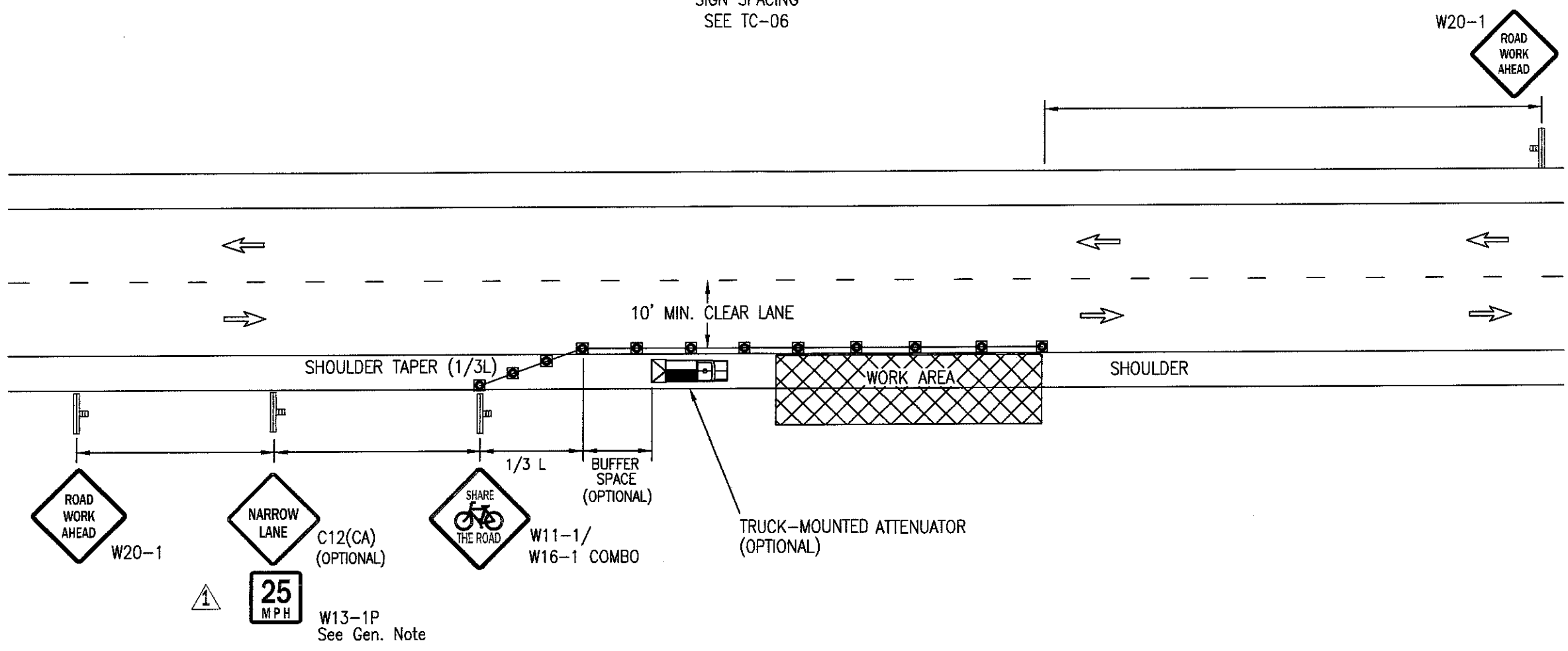
RIGHT LANE  
CLOSED  
AHEAD

ROAD  
WORK  
AHEAD





FOR  
SIGN SPACING  
SEE TC-06



LEGEND

- CONE
- BARRICADE
- FLAGGER
- SIGN
- ARROW PANEL
- WORK AREA
- TRAFFIC DIRECTION
- CHANGEABLE MESSAGE SIGN

GENERAL NOTES 1

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share The Road signage required when outermost lane plus paved shoulder is less than 14'.
- The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME _____  
PHONE _____

POSTED SPEED LIMIT	*TAPER LENGTH	*SPACING OF CONES	*SIGN SPACING	*BUFFER LENGTH

* REFERENCE TABLES ON TC-06

REVISIONS			
REV.	DESCRIPTION	BY	DATE
1	-Revise Gen Note	GDK	2/14

REZA MOGHISSI, CHIEF  
DEPARTMENT OF TRANSPORTATION

M & O TYPICAL TRAFFIC CONTROL PLANS

**SHOULDER WORK**  
WITH MINOR ENCROACHMENT

JOB NO. _____  
TEMPLATE NAME TC-26  
DRAWN LB  
DESIGNED _____  
CHECKED SU/GK  
SHEET DATE 7/1/2010

SCALE  
HOR: N/A  
VER: N/A  
SHEET  
TC-26  
OF 50 SHEETS

