



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-1603819
Date Issued: 12/12/2016
Start Date: 12/13/2016
Exp. Date: 01/01/2017
Project No: PWP7110005
Quad: NW

ENCROACHMENT PERMIT

To: W. C. SANDERS CONSTRUCTION, INC.
10130 DAVRIS RD.
WILTON, CA 95693

Encroachment Type:

Bore (up to 12 inch Dia)	Trench	OVERHEAD CABLING	
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Location:

E/S OF WEST LANE BETWEEN FULTON ST. AND ALPINE AVE.

In compliance with your request of 12/12/2016, 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
EXCAVATION OF THE ROADWAY PAVEMENT IS PROHIBITED

FORMS: SS/WW, R-5, R-7, R-29

Est. Permit Fee: \$753.90

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, 3339, 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.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 11/22/16

To: San Joaquin County
Department of Public Works

W.C. Sanders Construction Inc.
ATTN: Wes Sanders (Applicant Name)

10130 Davis Road
(Mailing Address)

Wilton, CA, 95693
(City, State, Zip Code)

916-601-5009
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB # PWP-7110005 REF # _____
APN _____ CR # _____
EXP. DATE 1-1-2017
VALID 12-13-2016 TO 1-1-2017 DRIVEWAYS: _____
STREET West Lane * _____
AREA Stockton QUAD NW * _____
TYPE Trench (inside walk) Overhead Cable
FORMS SS/WW, R29
NOTES _____

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 East side of N. West Lane approximately 150 feet/mile North of E. Alpine Avenue, by performing the following work (description of work):
Install by open trench, (1) 4" conduit and fiber cable (Approx. 25 LF)
Install (1) new aerial fiber cable on existing utility poles (Approx. 2470 LF)

Work will commence on or about 11/28/16 for approximately 3 days.

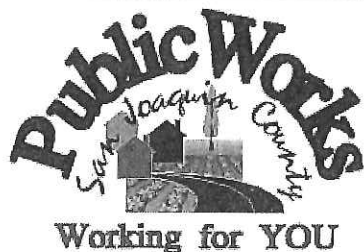
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

[Signature]
Signature of Applicant - Title

11/22/16
Date

CONCRETE CURB, GUTTER AND SIDEWALK CONSTRUCTION NOTES

1. Curb, gutter and sidewalk construction shall conform to Section 73, Standard Specifications, California Department of Transportation (Caltrans), except as modified herein.
2. Reference is made to the local agencies Standard Specifications for additional requirements relating to the construction of concrete curb, gutter and sidewalk.
3. Subgrade for Curb, gutter and sidewalk and Driveways shall be compacted to a minimum relative compaction of 90% to a depth of 6". Where the subgrade "R" value is less than 30, place 4" minimum of aggregate subbase class IV under the concrete sections and compacted to a minimum of 95%.
4. All radii for rounding edges shall be 3/4" unless otherwise noted.
5. Portland cement concrete shall be Class 3, per Caltrans Section 90, Standard Specifications, California Department of Transportation (Caltrans), except as modified herein.
6. Expansion joints and weakened plane joint shall be placed as indicated elsewhere in the Construction Standards. Expansion joint spacing shall not exceed 80'.
7. Curb, gutter and sidewalk shall have a light broom finish. curb and gutter; parallel to the flow line, Sidewalks; perpendicular to the flowline.
8. Depress a 2" high letter "W" or "S", 1 1/4" deep into the top of the curb to identify service locations.
9. During construction of gutters, water shall be used to ensure proper drainage along the flowline.
10. Access curb ramps, sidewalks and improvements in the ADA path of travel shall be constructed in conformance with the Federal Americans with Disabilities Act, California Title 24, and these Standards.



CONCRETE CURB, GUTTER AND SIDEWALK CONSTRUCTION STANDARDS

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by:

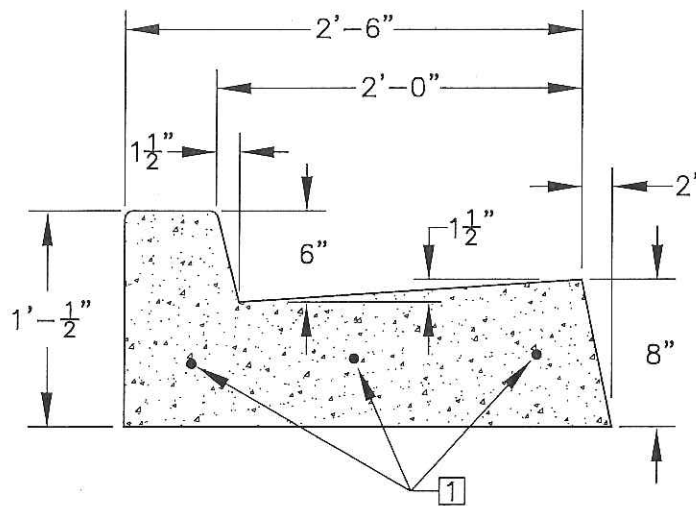
Thomas M. Gull

No.	Revision	Description	Date

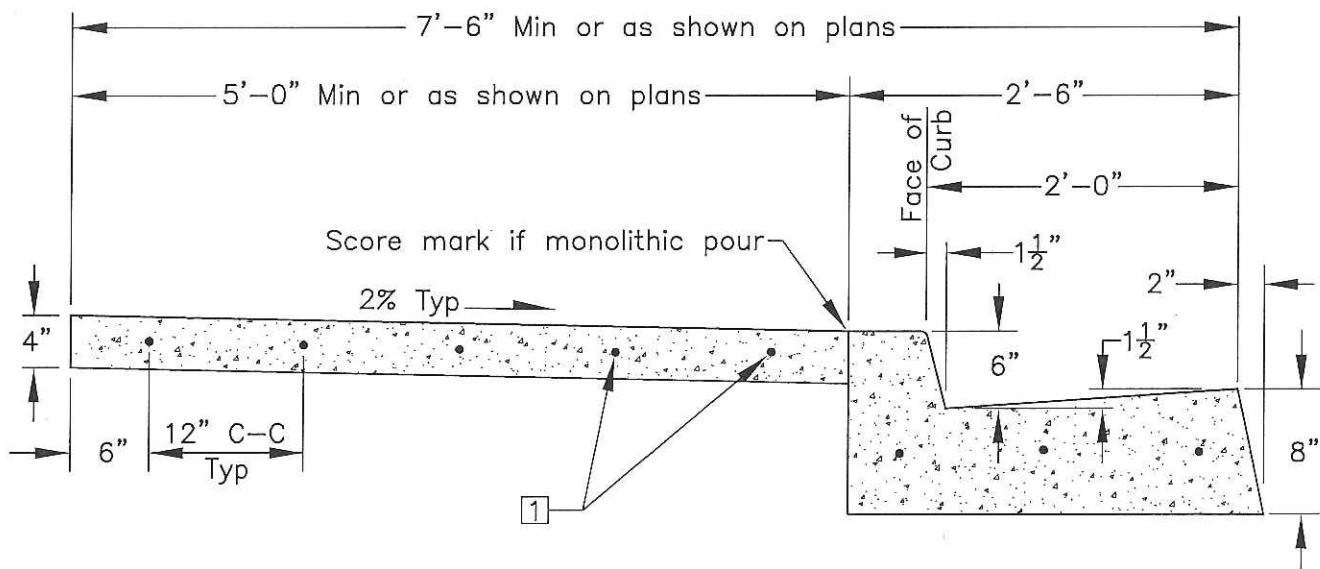
Std. Dwg. No.

R-5

Date: DEC 2014



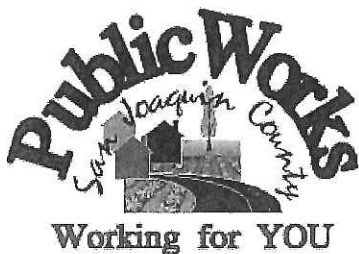
VERTICAL
CURB AND GUTTER



VERTICAL
CURB, GUTTER AND SIDEWALK

NOTES:

- [1] 1/2" x 24" rebar, greased and wrapped one side through all expansion and cold joints.



**VERTICAL CURB,
GUTTER AND SIDEWALK**

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by:

Thomas M. Galt

No.	Revision	Description	Date

Std. Dwg. No.

R-7

Date: DEC 2014

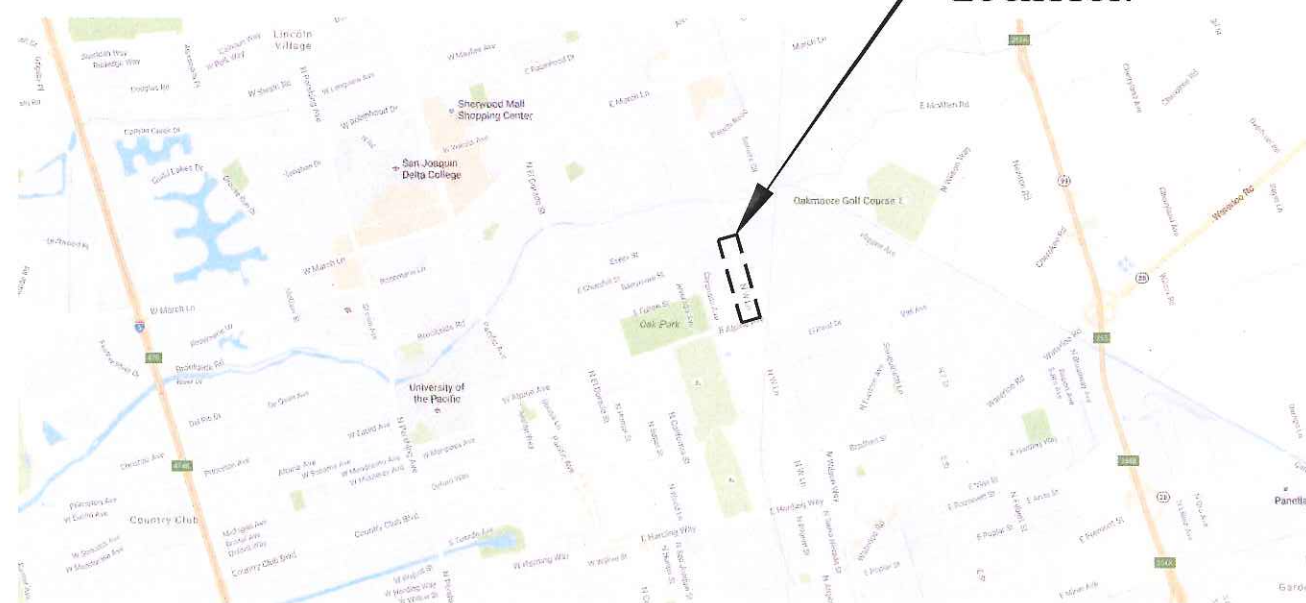


Know what's below.
Call before you dig.

STOCKTON SERVICE CENTER

4040 N. West Lane
Stockton, CA

PROJECT
LOCATION



LOCATION MAP
NO SCALE

DRAWING INDEX

T-1	TITLE SHEET, SITE MAP, INDEX
G-1	GENERAL NOTES, ABBREVIATIONS, CONTACTS
A-1 to A-3 A-2	AERIAL FIBER CABLE INSTALL PLAN
C-1 to C-3	FIBER CABLE INSTALL PLAN
CD-1 to CD-2	CONSTRUCTION DETAILS
TC-1 to TC-2	TRAFFIC CONTROL PLAN



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600



**Civitel
inc.**
3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

TITLE
SHEET



Stockton Service Center
4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : N/A
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

T-1

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL AND REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. SOME EXISTING UTILITIES MAY NOT BE DEPICTED ON THIS PLAN.
3. IT WILL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR TO MAINTAIN CONSTRUCTION AS-BUILT DATA.
4. APPROXIMATE LOCATIONS OF MANHOLES, SPLICE BOXES AND HANDHOLE'S ARE SHOWN ON THE PLANS. EXACT FINAL LOCATION OF SPLICE BOXES AND HH'S SHALL BE DETERMINED IN THE FIELD AFTER ALL EXISTING UTILITIES IN THE AREA OF WORK HAVE BEEN LOCATED. COORDINATE FINAL SPLICE BOX/HH LOCATIONS WITH PG&E.

CONSTRUCTION NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
2. PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY BE RELOCATED ONTO PRIVATE PROPERTY WITH OWNERS PERMISSION IN WRITING.
3. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED UNLESS IT IS ALLOWED BY LOCAL JURISDICTION IN WRITING.
4. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS UNLESS IT IS ALLOWED BY LOCAL JURISDICTION IN WRITING.
5. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK UNLESS IT IS ALLOWED BY LOCAL JURISDICTION
6. EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL IS TO BE REMOVED TO AVOID SLIPPERY CONDITIONS.
7. EXISTING SIGNS, DELINEATIONS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION.
8. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (CALIFORNIA, 1-800-227-2600) AT LEAST 48 HRS PRIOR TO START OF CONSTRUCTION ACTIVITIES.
9. CONTRACTOR SHALL HAND DIG AND USE EXTREME CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES. CONTRACTOR MUST POTHOLE & EXPOSE EXISTING UTILITIES WHEN NEW CONSTRUCTION CROSSES IT.
10. TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS ARE NOT SHOWN. CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS PRIOR TO ANY TRENCHING OR BORING. ALL TRAFFIC LOOP DETECTOR CIRCUITS SHALL BE MAINTAINED AND PROTECTED. NOTIFY TRAFFIC DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN THESE AREAS.
11. THE REMOVAL, STORAGE, AND REPLACEMENT OF ALL SHRUBBERY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR.
12. CONTRACTOR IS RESPONSIBLE TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE CITY AND COUNTY INSPECTORS AT LEAST 72 HOURS BEFORE STARTING WORK.

13. BORING PITS: EXCAVATION AND RESTORATION OF BORING PITS SHALL BE IN ACCORDANCE WITH THE CITY STANDARDS FOR UTILITY EXCAVATIONS AND LOCATED TO THE SATISFACTION OF THE CITY AND COUNTY ENGINEER.
14. MAINTAIN 12" SEPARATION FROM PRIVATE UTILITIES. MAINTAIN 5' SEPARATION FROM WATER, SEWER AND STORM DRAIN.
15. DEPTHS OF EXISTING UTILITIES NOT REQUIRED OR AVAILABLE. LIGHT VERTICAL LINES SHOWN IN PROFILES INDICATE APPROXIMATE UTILITY LOCATION ALONG THE DUCT. THE CONTRACTOR SHALL POTHOLE TO CONFIRM EACH DEPTH.

SAFETY

1. THE CONTRACTOR IS RESPONSIBLE FOR JOB-SITE SAFETY AND SHALL BE RESPONSIBLE FOR ALL LIABILITY IMPOSED BY LAW FOR PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY ARISE OUT OF THE WORK PERFORMED UNDER THE ENCROACHMENT PERMIT, OR WHICH MAY ARISE OUT OF THE SAFETY FAILURE ON THE PART OF THE PERMITTEE TO PERFORM HIS OBLIGATIONS UNDER THIS PERMIT IN RESPECT TO MAINTENANCE OF THE ENCROACHMENT.
2. ALL TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION ("MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE") ("MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS").
3. ALL EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH. THE PERMITTEE MAY BE REQUIRED TO OBTAIN A "PERMIT TO EXCAVATE" FROM THE DIVISION OF INDUSTRIAL SAFETY, DEPARTMENT OF INDUSTRIAL RELATIONS, STATE OF CALIFORNIA
4. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL DEVICES FOR PEDESTRIAN AND VEHICULAR TRAFFIC SAFETY. UNSAFE CONDITIONS WILL BE CORRECTED BY CITY PERSONNEL (OR AGENTS THEREOF) AND THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED, OR COSTS SHALL BE RECOVERED FROM CASH DEPOSITS HELD FOR SUCH PURPOSES.

PROJECT CONTACTS

CIVTEL, INC (Engineering Consultant)			
PAUL MARSHALL	OFFICE:	(916) 861-2220	
CIVIL ENGINEER	MOBILE:	(510) 703-0671	
3501 SUNRISE BLVD., STE. 15			
RANCHO CORDOVA, CA 95742	EMAIL:	pmarshall@civtel.com	
PG&E			
SENA MINSHEW	OFFICE:	(530) 701-0255	
	EMAIL:	s2my@pge.com	
USA (Call before you dig service alert)			
CALIFORNIA/NEVADA	OFFICE:	(800) 227-2600	

AERIAL NOTES

1. ALL WORK MUST CONFORM TO THE STATE OF CALIFORNIA PUBLIC UTILITY COMMISSION GENERAL ORDER 95 AND GENERAL ORDER 128
2. MUST MAINTAIN A 25 FT (10.66m) MIN CLEARANCE ABOVE UPRR TRACKS FOR ALL CABLES CROSSING OVER AND/OR RUNNING ADJACENT TO UPRR TRACKS
3. MUST MAINTAIN AN 18 FT (5.49m) MIN CLEARANCE ABOVE ROAD SURFACE FOR ALL CABLES CROSSING OVER AND/OR RUNNING ADJACENT TO HIGHWAY/STREET
4. MUST MAINTAIN A 12 INCH (30.48cm), AND 18 INCH (45.72cm) PREFERRED, VERTICAL CLEARANCE FOR HOA ON POLE BETWEEN PG&E AND OTHER COMMUNICATION CABLES
5. MUST MAINTAIN A 2 FT (0.61m) VERTICAL CLEARANCE FOR HOA ON POLE BETWEEN PG&E AND ANY CABLE OR WIRE WITH 0-750 VOLTS, SUCH AS SERVICE DROPS AND SUPPLY LINES
6. MUST MAINTAIN A 4 FT (1.22m) VERTICAL CLEARANCE FOR HOA ON POLE BETWEEN PG&E AND ANY CABLE OR WIRE WITH 750-7500 VOLTS
7. MUST MAINTAIN A 6 FT (1.83m) VERTICAL CLEARANCE FOR HOA ON POLE BETWEEN PG&E AND ANY CABLE OR WIRE WITH 7500-68000 VOLTS

LEGEND

PG&E	NEW PG&E FIBER CABLE
SL	EXISTING STREET LIGHTING
TS	EXISTING TRAFFIC SIGNAL
C	EXISTING CONDUIT(S)
G	EXISTING PG&E NATURAL GAS
FUEL	EXISTING FUEL
SS	EXISTING SANITARY SEWER
SD	EXISTING STORM DRAIN
O/H	EXISTING OVERHEAD UTILITY
W	EXISTING WATER
E	EXISTING ELECTRIC
T	EXISTING TELEPHONE
	EXISTING U/E MANHOLE W/ METAL COVER
S	SUBSCRIBER CONDUIT
W-W	DISTANCE FROM SPLICE BOX TO SPLICE BOX
	EXISTING MANHOLE

BONDING AND GROUNDING

1. IN AREAS WHERE 2 OR MORE COMMUNICATION TYPE FACILITIES ARE LOCATED ON THE SAME POLE, THE CONTRACTOR SHALL BOND THE SUSPENSION STRANDS TOGETHER, REGARDLESS OF OWNERSHIP
2. AT A MINIMUM, THE CONTRACTOR SHALL GROUND THE STRANDS AT THE FIRST AND LAST POLES, AT EVERY 10th POLE, OR NO MORE THAN 1320 FEET MAXIMUM DISTANCE APART
3. FOR BONDING 2 OR MORE STRANDS TOGETHER, CONTRACTOR SHALL USE A No. 6 SOLID COPPER INSULATED WIRE
4. BONDING MAY BE DONE BY PLACING A No. 6 SOLID COPPER WIRE BETWEEN THE SUSPENSION STRAND AND A GUY STRAND WHEN THEY TERMINATED ON SEPARATE BOLTS

SYMBOLS

PG&E	NEW PG&E AERIAL CABLE
	POWER / TELEPHONE POLE
	GUY
270 LF	NEW AERIAL STRAND W/ FIBER CABLE
	NEW STRAND W/O CABLE

MCI	EXISTING MCI CONDUIT
MFS	EXISTING MFS CONDUIT
SPT	EXISTING SPRINT CONDUIT
QWT	EXISTING QWEST CONDUIT
ELI	EXISTING ELI CONDUIT
FO	EXISTING FIBER OPTIC LINE
CTV	EXISTING CABLE TV
JT	EXISTING JOINT TRENCH
	EXISTING FIRE HYDRANT
TS	TRAFFIC SIGNAL
	LIGHT POLE
	EXIST. TREE
	WATER VALVE
XXX	PROPERTY ADDRESS
	POWER POLE
	SD INLET
	POTHOLE
	PARKING METER



3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

GENERAL
NOTES

Stockton Service Center
4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : N/A
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.
G-1

POLE 1

CARRIER	EXISTING	ATTACH AT
POWER	43'-7"	
PG&E		35'-6"
F/O	31'-6"	
PG&E F/O	33'-6"	
F/O	32'-6"	
F/O	31'-6"	

1. INSTALL NEW LIMITED TENSION DEAD END
2. INSTALL NEW ANCHOR AND 10M DOWN GUY

INSTALL NEW INSULATED 10M GUY AND NEW 3-EYE ANCHOR, L=20', IN LINE WITH EXISTING POLE. (SET AT 2' FOC)

POLE 2

CARRIER	EXISTING	ATTACH AT
POWER	42'-6"	
PG&E		29'-7"
F/O	28'-7"	
PG&E F/O	27'-2"	
F/O	26'-2"	
F/O	24'-0"	

1. INSTALL NEW POLE HARDWARE

POLE 3

CARRIER	EXISTING	ATTACH AT
POWER	43'-7"	
PG&E		28'-0"
F/O	28'-0"	26'-8"
PG&E F/O	26'-8"	25'-8"
F/O	25'-8"	24'-8"
F/O	24'-8"	23'-8"

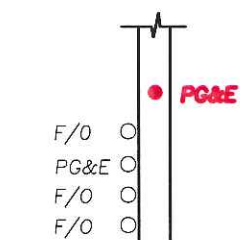
1. INSTALL NEW POLE HARDWARE
2. LOWER ALL COMM CABLES 1'-0"

NOTES:

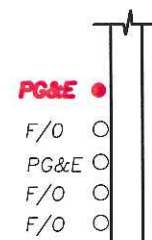
1. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SEE SHEET G-1.
2. WORK WITHIN PRIVATE PROPERTY SHALL NOT COMMENCE WITHOUT THE PROPERTY OWNERS' APPROVAL IN WRITING.

SYMBOLS

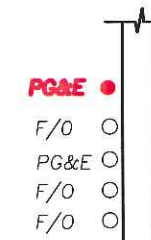
○	(E) COM CABLE
●	NEW FIBER PLACEMENT
—	(E) CROSS ARM
—	NEW CROSS ARM
□	(E) GUARD ARM
■	NEW GUARD ARM
⌋	STREET LIGHT



(LOOKING NORTH)



(LOOKING NORTH)



(LOOKING NORTH)

E. ALPINE AVE

COUNTY OF SAN JOAQUIN
RIGHT OF WAY

INSTALL NEW INSULATED
10M GUY AND NEW 3-EYE
ANCHOR, L=20'

NEW AERIAL CONSTRUCTION

N. WEST LANE

NEW UNDERGROUND
CONSTRUCTION.
(SEE DRAWING C-1)

POLE 1 TO POLE 9:
INSTALL NEW AERIAL 48F ADSS
CABLE (2470± LF)

INSTALL 100' MIN
AERIAL SLACK
LOOP AT POLE 2

PLAN
1"=80'

E. STADIUM DR

MATCHLINE SEE SHEET A-2



Know what's below.
Call before you dig.

NOTE:
ALL UTILITY POLES SHOWN ARE EXISTING



3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

AERIAL
FIBER
PLAN



Stockton Service Center

4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : 1"=80'
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

A-1

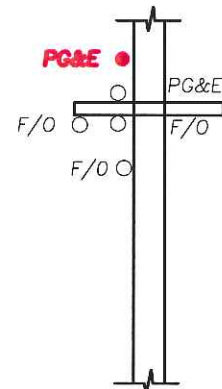


40 0 40 80
1"=80'

POLE 4

CARRIER	EXISTING	ATTACH AT
POWER	43'-7"	
PG&E		23'-4"
F/O	22'-4"	
PG&E F/O	22'-4"	
F/O	22'-0"	
F/O	21'-6"	

1. INSTALL NEW POLE HARDWARE

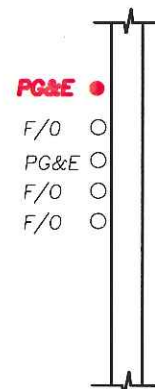


(LOOKING NORTH)

POLE 5

CARRIER	EXISTING	ATTACH AT
POWER	35'-3"	
PG&E		26'-5"
F/O	25'-5"	
PG&E F/O	23'-9"	
F/O	22'-4"	
F/O	21'-3"	

1. INSTALL NEW POLE HARDWARE

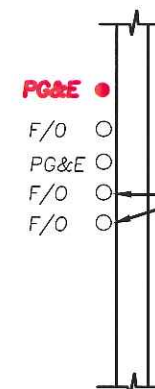


(LOOKING NORTH)

POLE 6

CARRIER	EXISTING	ATTACH AT
POWER	38'-0"	
PG&E		25'-0"
F/O	24'-0"	
PG&E F/O	22'-8"	
F/O	N/A	
F/O	N/A	

1. INSTALL NEW POLE HARDWARE

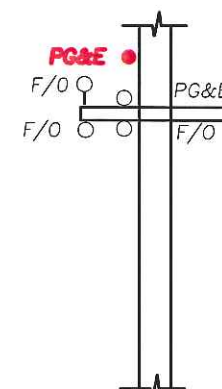


(LOOKING NORTH)

POLE 7

CARRIER	EXISTING	ATTACH AT
POWER (NEUT)	38'-7"	
PG&E		32'-8"
F/O	31'-6"	
PG&E F/O	30'-9"	
F/O	30'-0"	
F/O	30'-0"	

1. INSTALL NEW POLE HARDWARE



(LOOKING NORTH)

NOTES:

- FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SEE SHEET G-1.
- WORK WITHIN PRIVATE PROPERTY SHALL NOT COMMENCE WITHOUT THE PROPERTY OWNERS' APPROVAL IN WRITING.

SYMBOLS

○	(E) COM CABLE
●	NEW FIBER PLACEMENT
—	(E) CROSS ARM
—	NEW CROSS ARM
□	(E) GUARD ARM
■	NEW GUARD ARM
⤵	STREET LIGHT

MATCHLINE SEE SHEET A-1

COUNTY OF SAN JOAQUIN
RIGHT OF WAY

CITY OF STOCKTON
RIGHT OF WAY

N. WEST LANE

249.5 LF

POLE 4

398 LF

POLE 5

167.5 LF

POLE 6

160 LF

POLE 7

331 LF

E. FULTON ST

BOURBON ST

POLE 1 TO POLE 9:
INSTALL NEW AERIAL 48F ADSS
CABLE (2470± LF)

PLAN

1"=80'

40 0 40 80
1"=80'



Know what's below.
Call before you dig.

NOTE:
ALL UTILITY POLES SHOWN ARE EXISTING



3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

AERIAL
FIBER
PLAN



Stockton Service Center

4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : 1"=80'
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

A-2



The Contractor shall submit detail drawings showing design of shoring, bracing, sloping or other provisions for the safety of structures and worker, and public protection when trench excavation will exceed a depth of five feet. If such a plan varies from the shoring systems standards established by the CAL-OSHA Construction Safety Orders, the detail drawings shall be prepared by a Registered Civil or Structural Engineer.

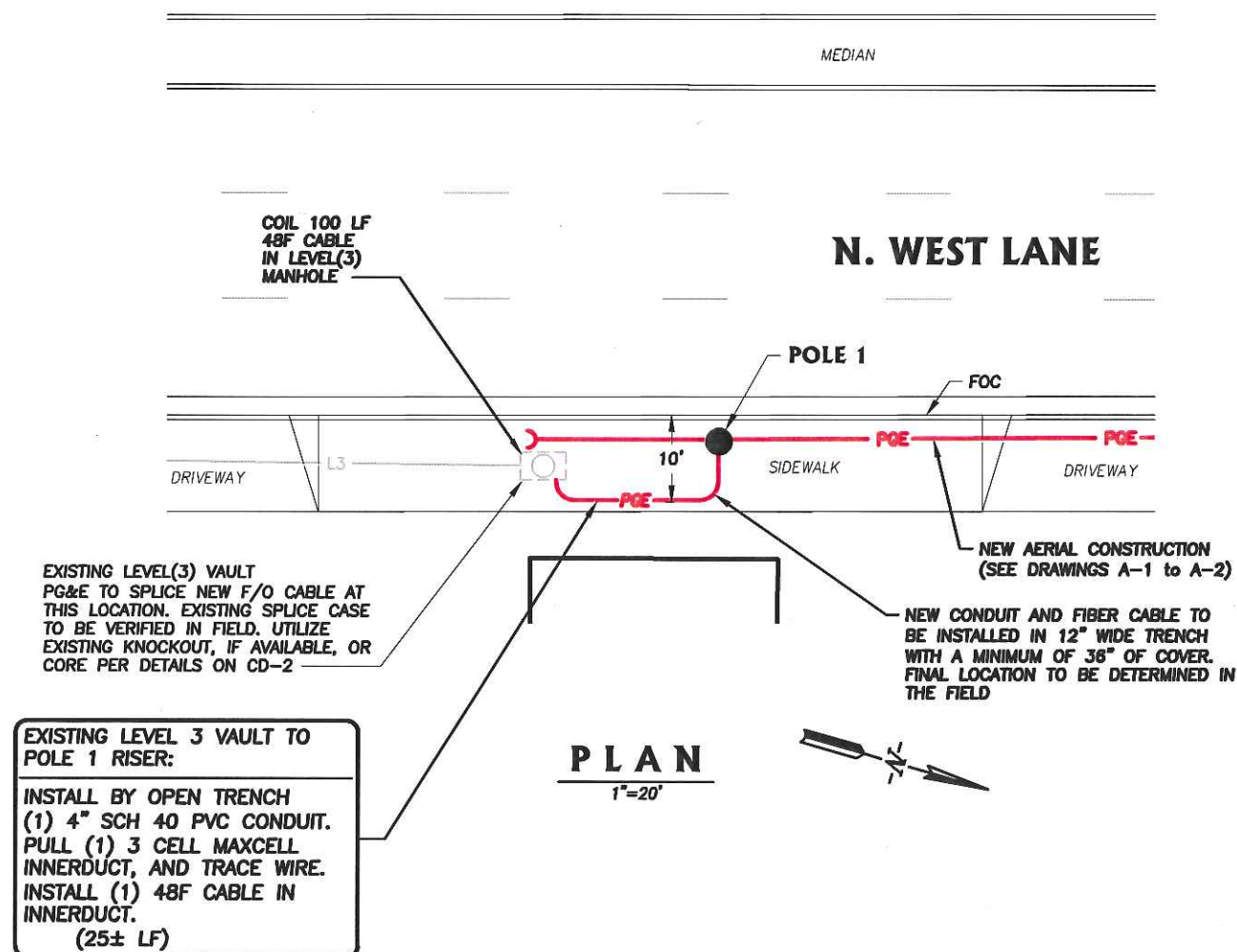
NOTE:
CONTRACTOR TO REMOVE AND REPLACE SECTION OF CURB, GUTTER, AND SIDEWALK PER COUNTY OF SAN JOAQUIN STANDARDS AS NEEDED FOR CONSTRUCTION

NOTE:
ALL UTILITY POLES SHOWN ARE EXISTING

Restore Pavement Markings,
Pavement Markers, and
Traffic Lines to Original or
Better Condition

NOTES:

1. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SEE SHEET G-1.
2. LOCATION OF UNDERGROUND FACILITIES IS APPROXIMATE. CONTRACTOR TO U.S.A. AND POT HOLE TO VERIFY EXACT LOCATION.
3. REPLACE ANY DAMAGED CURB, GUTTER, AND SIDEWALK TO THE NEAREST DEEP JOINT OR SCORE LINE



Know what's below.
Call before you dig.



3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

FIBER
INSTALL
PLAN



Stockton Service Center

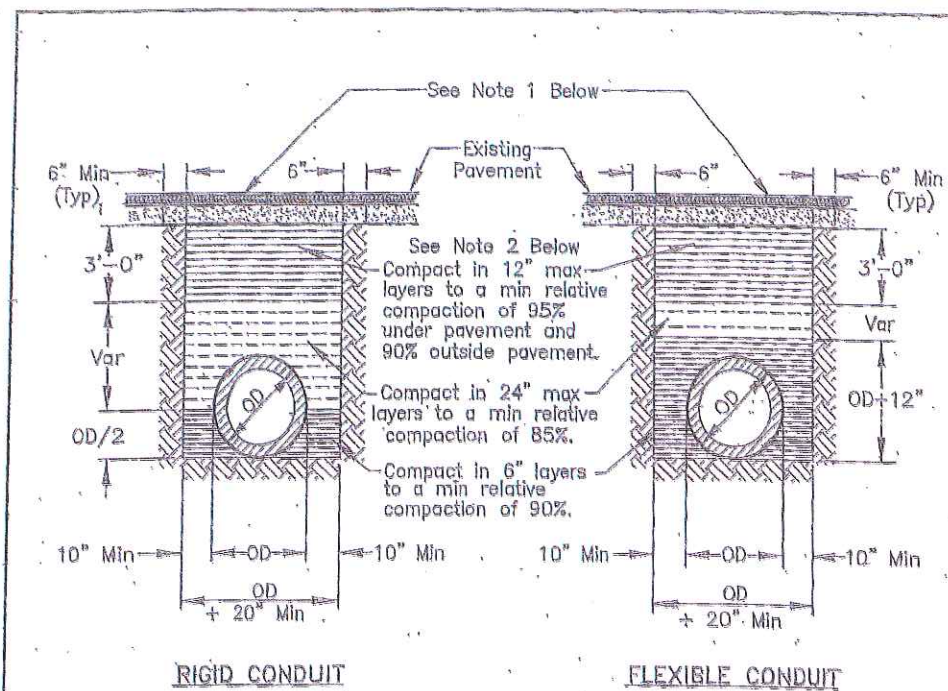
4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : AS SHOWN
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

C-1



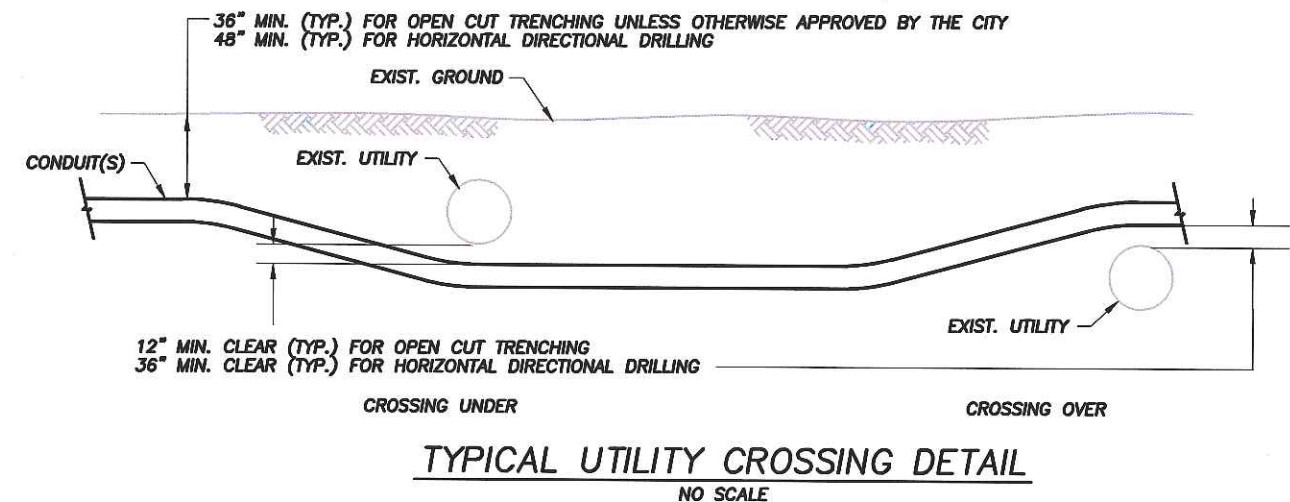


NOTES:

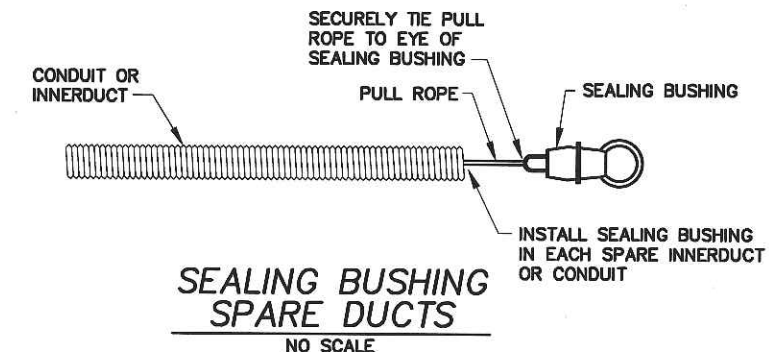
1. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 Ft. New base shall be 1" thicker than existing base, min of 0.50 Ft.
2. Select native material or imported granular material as approved by the Director of Public Works. Backfill with materials equal to or better than the existing pavement and base in quality.
3. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
4. All existing pavement shall be neatly cut to line prior to trench excavation.
5. Jetting or ponding will be permitted within the street right-of-way with a 3 year bond, when approved by the Director of Public Works.
6. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
7. Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.

	TYPICAL TRENCH BACKFILL		Approved by:
	COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS		No. Revision Description Date _____ _____ _____ _____
Working for YOU	Date: DEC. 2014	Std. Dwg. No.	R-29

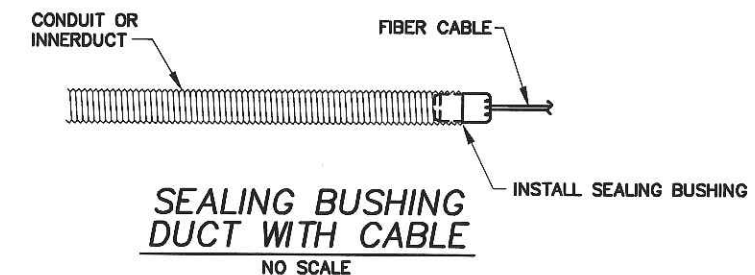
TYPICAL TRENCH BACKFILL DETAIL
NO SCALE



TYPICAL UTILITY CROSSING DETAIL
NO SCALE



SEALING BUSHING SPARE DUCTS
NO SCALE



SEALING BUSHING DUCT WITH CABLE
NO SCALE



Rev.	Description	Date

CONSTRUCTION
DETAILS

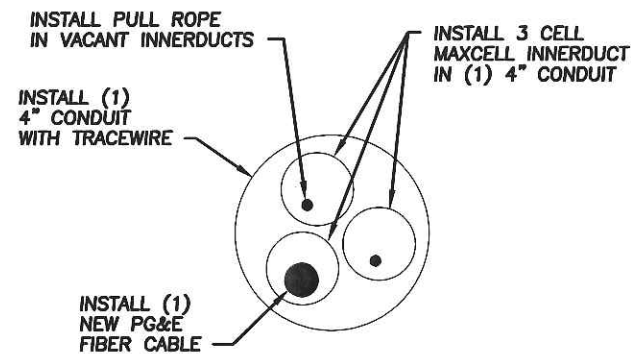


Stockton Service Center
4040 N. West Lane
Stockton, CA

Designed By:	Scale:
CMJ	N/A
Drawn By:	Date:
CMJ	9/8/16
Checked By:	Job No.:
PRM	2016-PG21

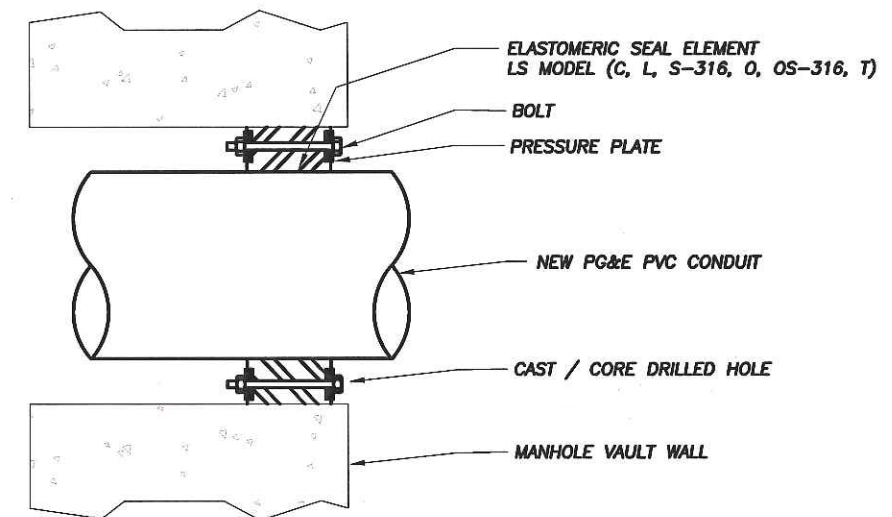
DWG. NO.

CD-1



NEW CONDUIT CABLE INSTALL DETAIL

N.T.S.



LS Model	Seal Element	Bolts/Nuts	Pressure Plate
C	EPDM (Black)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
L	EPDM (Blue)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
O	Nitrile	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
T	Silicone	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Steel Zinc Dichromate
(C,L,O)+S-316 (see model options)		316 Stainless Steel	Reinforced Nylon Polymer

Sleeve Model	Description	Material
CS	Century-Line Sleeve	HDPE
WS	Steel Wall Sleeve	Steel

For more Material Property Information, see literature at www.linkseal.com

LINK-SEAL DETAIL

MANHOLE CORE/LINKSEAL DETAIL

NO SCALE



Rev.	Description	Date

CONSTRUCTION
DETAILS



Stockton Service Center
4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : N/A
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

CD-2

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

- * - POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED.
** - FOR OTHER OFFSETS USE THE FOLLOWING MERGING TAPER LENGTH

FORMULA FOR L:
FOR SPEEDS OF 65 KM/H (40MPH) OR LESS, $L=WSS/155$ ($L=WSS/60$)
FOR SPEEDS OF 70 KM/H (45MPH) OR MORE, $L=WS/1.6$ ($L=WS$)

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

WORK HOURS

7:30 AM TO 4:00 PM
(SINGLE LANE CLOSURE ONLY)
*CONTRACTOR TO CHECK WITH
CITY AND COUNTY FOR SPECIFIC
WORK HOURS

ROAD TYPE	DISTANCE BETWEEN SIGNS**		
	A	B	C
Urban (low speed)* 25 mph or less	30 (100)	30 (100)	30 (100)
Urban (high speed)* more than 25 mph to 40 mph	76 (250)	76 (250)	76 (250)
Urban (high speed)* more than 40 mph	100 (350)	100 (350)	100 (350)
Rural	150 (500)	150 (500)	150 (500)
Expressway / Freeway	300 (1,000)	450 (1,500)	800 (2,640)

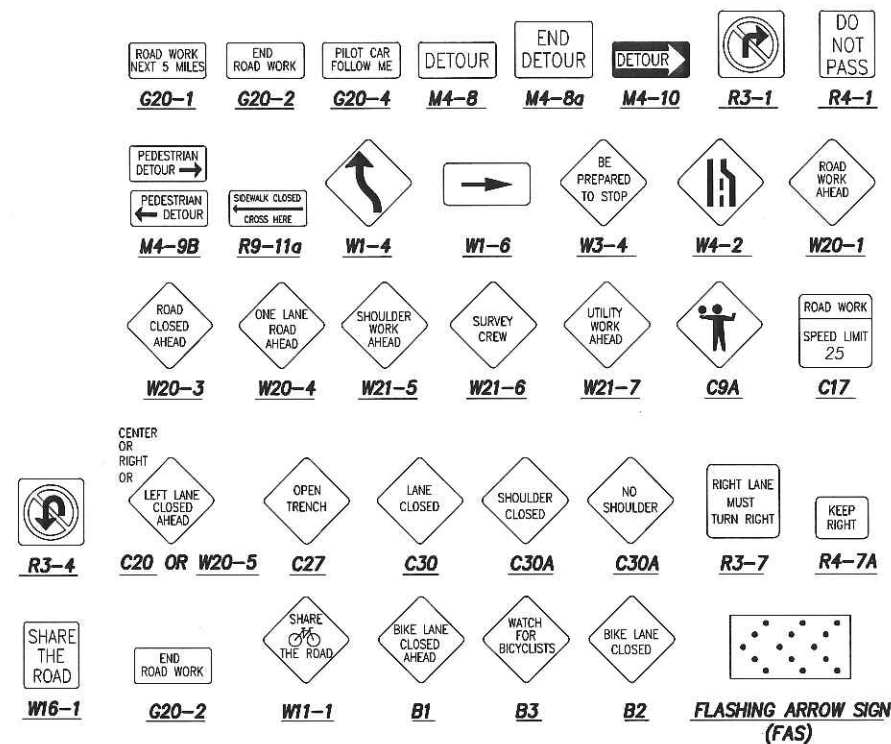
* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY.

** DISTANCES ARE SHOWN IN METERS (FEET). THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46. THE DIMENSION A IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE THIRD SIGN IS THE FIRST ONE IN A THREE-SIGN SERIES ENCOUNTERED BY A DRIVER APPROACHING A TTC ZONE.)

BICYCLE CONSIDERATIONS:

1. UNLESS A SEPARATE BIKE PATH THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS PROHIBITED, ADEQUATE ROADWAY LANE TO ALLOW BICYCLISTS AND MOTOR VEHICLES TO TRAVEL SIDE BY SIDE THROUGH OR AROUND THE WORK ZONE SHALL BE PROVIDED.
2. BICYCLISTS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC, WORK SITE VEHICLES, OR EQUIPMENT MOVING THROUGH OR AROUND THE TRAFFIC CONTROL ZONE.

PORTABLE SIGN TYPES



NOTES

1. All advance warning sign installations shall be equipped with flags for daytime closures.
2. Flaggers are required to control traffic whenever the contractor must interrupt traffic flow to access the work area with materials or equipment.
3. Allow access to driveways in work area.
4. All warning signs placed within work zone shall have a black legend on an orange background.
5. Cone spacing shall be:
Tangent: 15' (4.6 M)
Taper: 15' (4.6 M)

LEGEND

- TRAFFIC CONE
PORTABLE SIGN
WORK AREA
FLAGGER/ RESERVE OFFICER

SIGN AS SPECIFIED
HIGH LEVEL WARNING DEVICE (HLWD)

E. ALPINE AVE

E. ALPINE AVE

N. WEST LANE TRAFFIC CONTROL (RIGHT LANE CLOSURE)

NO SCALE



PROVIDE PEDESTRIAN ESCORT AS NEEDED, AND POST PEDESTRIAN TRAFFIC SIGNAGE AT WORK AREA

CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS & CROSSWALKS DURING THE TIME OF CONSTRUCTION.

CONTRACTOR TO PLACE "NO PARKING" SIGNS 48 HRS IN ADVANCE AND NOTIFY STOCKTON PD 48 HRS IN ADVANCE @ (209)937-8377 FOR POSTING VERIFICATION (CONTRACTOR TO NOTIFY SAN JOAQUIN COUNTY SHERIFFS DEPARTMENT, IF PLACED WITHIN COUNTY RIGHT-OF-WAY.



3501 Sunrise Blvd
Suite 15
Rancho Cordova, CA 95742
(916) 861-2220

Rev.	Description	Date

TRAFFIC CONTROL



Stockton Service Center

4040 N. West Lane
Stockton, CA

Designed By : CMJ	Scale : N/A
Drawn By : CMJ	Date : 9/8/16
Checked By : PRM	Job No. : 2016-PG21

DWG. NO.

TC-1

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 ft (W)			
	Merging L (ft)	Shifting L/2 (ft)	Shoulder L/3 (ft)	Down Stream (ft)
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
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FORMULA FOR L:
 FOR SPEEDS OF 65 KM/H (40MPH) OR LESS, $L=WSS/155$ ($L=WSS/60$)
 FOR SPEEDS OF 70 KM/H (45MPH) OR MORE, $L=WS/1.6$ ($L=WS$)

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

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7:30 AM TO 4:00 PM
 (SINGLE LANE CLOSURE ONLY)
 *CONTRACTOR TO CHECK WITH
 CITY AND COUNTY FOR SPECIFIC
 WORK HOURS

ROAD TYPE	DISTANCE BETWEEN SIGNS**		
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* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY.

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1. UNLESS A SEPARATE BIKE PATH THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS PROHIBITED, ADEQUATE ROADWAY LANE TO ALLOW BICYCLISTS AND MOTOR VEHICLES TO TRAVEL SIDE BY SIDE THROUGH OR AROUND THE WORK ZONE SHALL BE PROVIDED.

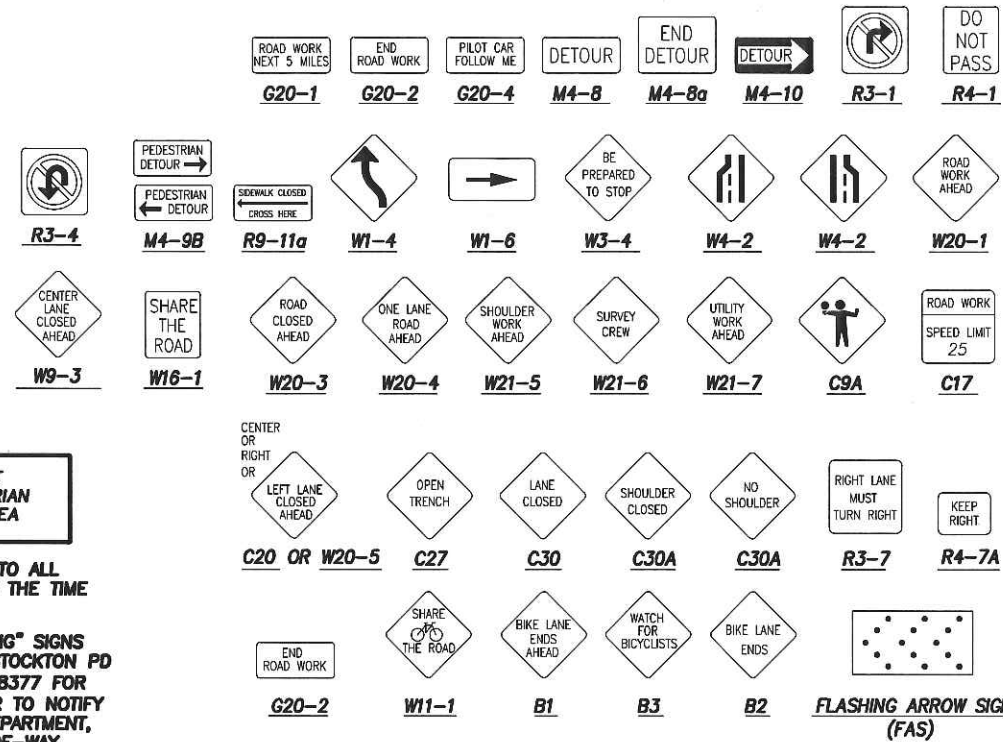
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PORTABLE SIGN TYPES



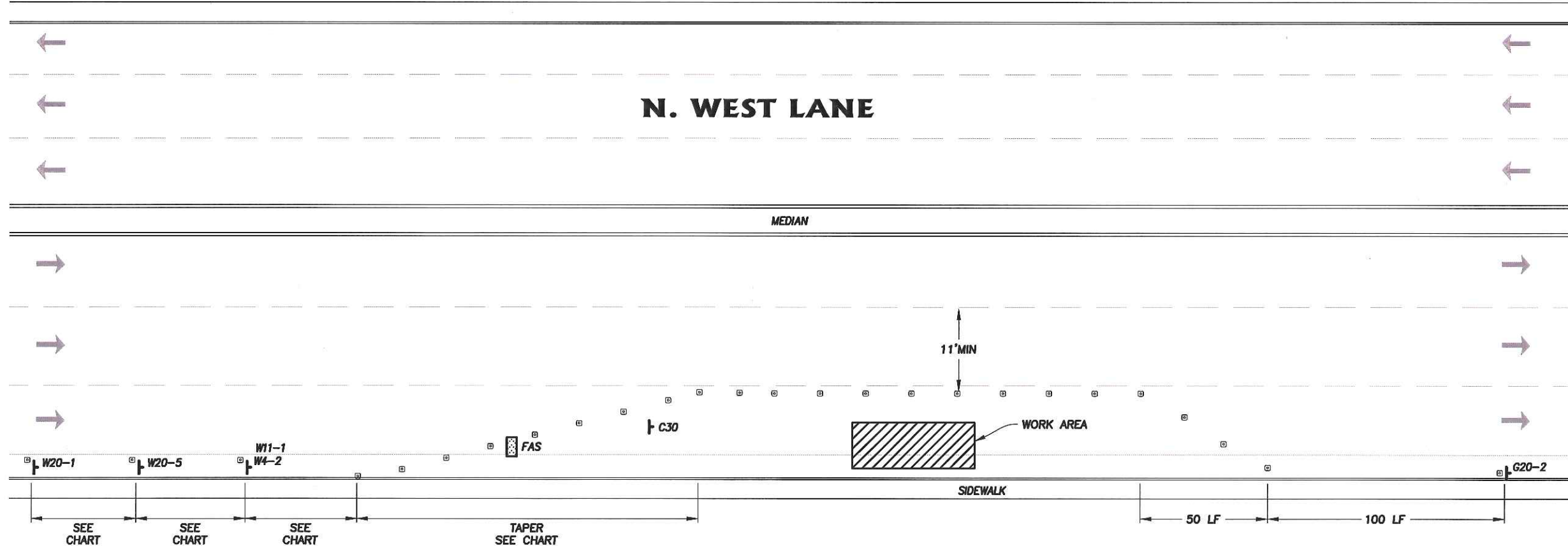
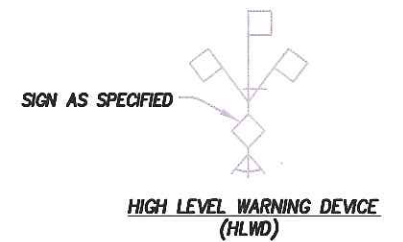
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5. Cone spacing shall be:
 Tangent: 15' (4.6 M)
 Taper: 15' (4.6 M)

LEGEND

- ⊠ TRAFFIC CONE
- ⊠ PORTABLE SIGN
- ▨ WORK AREA
- ⊠ FLAGGER/ RESERVE OFFICER



TYPICAL TRAFFIC CONTROL (RIGHT LANE CLOSURE)

NO SCALE



 3501 Sunrise Blvd Suite 15 Rancho Cordova, CA 95742 (916) 861-2220	Rev.	Description	Date	TRAFFIC CONTROL 	Stockton Service Center 4040 N. West Lane Stockton, CA	Designed By : CMJ	Scale : N/A	TC-2
						Drawn By : CMJ	Date : 9/8/16	

DWG. NO.