



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-1600262**
Date Issued: 02/05/2016
Start Date: 07/01/2016
Exp. Date: 08/01/2016
Project No: PWP7110005
Quad: SW

ENCROACHMENT PERMIT

To: STATE OF CALIFORNIA - CALTRANS
1976 DR. MARTIN LUTHER KING BLVD.
STOCKTON, CA 95201

Encroachment Type:

Trench & Traffic	Control Devices		
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Location:

DURHAM FERRY RD. AT THE INTESECTION OF HWY 33

In compliance with your request of 02/05/2016, 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*****No work on Durham Ferry Road during school peak hours: 6:00am to 8:00am and 2:00pm to 4:00pm*****

FORMS:

SS/WW, R-29	Trench Cut	Policy
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Est. Permit Fee: \$0.00

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, 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.

SPECIAL CONDITIONS FOR
CALTRANS – DURHAM FERRY RD.
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.
2. 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.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
6. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
7. 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)
8. All conduit and conduit related facilities shall be maintained by Caltrans, including any facilities that are abandoned in place. Caltrans shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at Caltrans' expense. (Streets and Highways Code Section 1463)
9. All future maintenance of the conduit and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
10. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
11. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan

suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.

12. The contractor shall use San Joaquin County Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
13. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
14. Durham Ferry Road subject to pavement cuts shall receive an asphalt concrete overlay as per San Joaquin County Improvement Standards Section 2-5.0 Trench Cut Policy. Shoulder areas shall be brought up to the finish grade as directed by the County.
15. No paving joints are allowed within paved shoulder; contractor shall pave all the way to outer edge of paved shoulder.
16. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 4-feet wide.
17. Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible and if the location either meets AASHTO Clear Zone guidelines or is protected by an existing obstruction such as a tree or utility pole. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
18. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
19. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
20. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date December 18, 2015To: San Joaquin County
Department of Public WorksState of California - CALTRANS
(Applicant Name)1976 E. Dr. Martin Luther King Jr. Blvd.
(Mailing Address)Stockton, CA, 95201
(City, State, Zip Code)(209) 948-7205
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	<u>110005</u>	REF #	
APN		CR #	
EXP. DATE	<u>8-1-16</u>		
VALID	<u>7-1-16</u>	TO	<u>8-1-16</u>
STREET	<u>DURHAM FERRY RD.</u>	DRIVEWAYS:	*
AREA	<u>TRACY</u>	QUAD	<u>SW</u>
TYPE	<u>TRENCHING, TCP</u>		*
FORMS	<u>see/wid. R-29, Trench Cut Policy</u>		
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 intersection side of Durham Ferry Rd @ Rte 33 approximately 100 (feet) mile total of North Side of Rte 33, by performing the following work (description of work):
install 2" electrical conduit by trenching/boring, install Flashing Beacon on
TYPE I A Pole.

Work will commence on or about July 2016 for approximately 10-15 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.

Gurwinder Sekhon, P.E.
Signature of Applicant - Title12-18-15
Date

used for coupling metal type conduit, use a threaded union coupling that is UL or NRTL listed. Tighten couplings for metal conduit to maintain a good electrical connection through conduit run.

Cut Type 3 conduit with tools that will not deform the conduit. Use solvent weld for connections.

Cut Type 2 conduit with pipe cutters; do not use hacksaws. Coated conduit must be threaded with standard conduit-threading dies. Tighten conduit into couplings or fittings using strap wrenches or approved groove joint pliers.

Protect shop-cut threads from corrosion under the standards shown in the following table:

Shop-Cut Thread Protection	
Steel conduit and conduit couplings	ANSI C80.1
Electrical intermediate metal conduit and conduit couplings	ANSI C80.6

Paint conduits. Apply 2 coats of authorized unthinned zinc-rich primer of organic vehicle type. Do not use aerosol cans. Paint the following parts of conduits:

1. All exposed threads
2. Field-cut threads before installing conduit couplings to steel conduit
3. Damaged surfaces on metal conduit

Do not remove shop-installed conduit couplings.

Damaged Type 2 conduit or conduit coupling must be wrapped with at least 1 layer of 2-inch-wide, 20-mil-minimum-thickness PVC tape as specified in ASTM D 1000, with a minimum tape overlap of 1/2 inch. Before applying the tape, conduit or fitting must be cleaned and painted with 1 coat of rubber-resin based adhesive as recommended by the tape manufacturer. You may repair damaged spots in the thermoplastic coating by painting over with a brushing type compound supplied by the conduit manufacturer instead of the tape wrap.

The ends of Types 1, 2, or 5 conduit must be threaded and capped with standard pipe caps until wiring is started. The ends of Types 3 and 4 conduit must be capped until wiring is started. If caps are removed, replace with conduit bushings. Fit insulated bonding bushings on the end of metal conduit ending in pull box or foundation. Bell or end bushings for Type 3 conduit must be nonmetallic type.

Conduit bends, except factory bends, must have a radius of not less than 6 times the inside diameter of the conduit. If factory bends are not used, bend the conduit without crimping or flattening using the longest radius practicable. Bend conduits as shown in the following table:

Conduit-Bending Requirements	
Type 1	By equipment and methods recommended by the conduit manufacturer.
Type 2	Use standard bending tool designed for use on thermoplastic coated conduit. Conduit must be free of burrs and pits.
Type 3	By equipment and methods recommended by the conduit manufacturer. Do not expose conduit to direct flame.
Type 5	By equipment and methods recommended by the conduit manufacturer.

Install pull tape in conduit that is to receive future conductors. The pull tape must be a flat woven lubricated soft fiber polyester tape with a minimum tensile strength of 1,800 lb and have printed sequential measurement markings every 3 feet. At least 2 feet of pull tape must be doubled back into the conduit at each end.

Existing underground conduit to be incorporated into a new system must be cleaned with a mandrel or cylindrical wire brush and blown out with compressed air.

Install conduit to a depth of not less than 30 inches below finished grade, except in sidewalk and curbed paved median areas, where it must be at least 18 inches below grade. You may lay conduit on existing pavement within new curbed median.

Conduit coupling must be a minimum of 6 inches from the face of the foundation.

Place a minimum of 2 inches of sand bedding in the trench before installing Type 2 or Type 3 conduit. Place a minimum of 4 inches of same material over conduit before placing additional backfill material.

Conduit runs located behind curbs may be installed in the street, within 3 feet of, and parallel with the face of the curb by the trenching in pavement method as specified in section 86-2.05C. Pull boxes must be located behind the curb or at the locations shown.

Obtain authorization before disturbing pavement. If an obstruction is encountered, obtain authorization to cut small holes in the pavement to locate or remove the obstruction. If jacking or drilling method is used, keep jacking or drilling pit 2 feet away from edge of pavement. Pavement must not be weakened or subgrade softened from excess water use.

Conduit used for drilling or jacking must be removed; install new conduit for completed work. If a hole larger than the conduit is pre-drilled and you install conduit by hand or by equipment and method recommended by the conduit manufacturer, you may install Type 2 or Type 3 conduit under the pavement.

If trenching in pavement method is specified, conduit installation under pavement that is not a freeway lane or freeway to freeway connector ramp, must comply with the following:

1. Use Type 3 conduit. Place conduit under pavement in a trench approximately 2 inches wider than the outside diameter of conduit, but not exceeding 6 inches in width. Trench depth must not exceed the greater of 12 inches or conduit trade size plus 10 inches, except that at pull boxes the trench may be hand dug to required depth. The top of the installed conduit must be a minimum of 9 inches below finished grade.
2. Trenching installation must be completed before placing final pavement layer.
3. Cut pavement to be removed with a rock cutting excavator. Minimize shatter outside the removal area.
4. Place conduit in the bottom of the trench and backfill with minor concrete. Minor concrete must contain a minimum of 590 lb of cementitious material per cubic yard. If the trench is in asphalt concrete pavement and pavement overlay is not placed, backfill the top 0.10 foot of the trench with minor HMA.
5. Backfill trenches, except for the top 0.10 foot, by the end of each day. The top 0.10 foot must be filled within 3 days after trenching.

Conduit installed beneath railroad tracks must be:

1. Type 1 or 2
2. 1-1/2-inch minimum diameter
3. Placed a minimum depth of 42 inches below the bottom of the rail.

If jacking or drilling method is used, construct jacking pit to a minimum of 13 feet from the centerline of track at the near side of jacking pit. Cover jacking pit with substantial planking if left overnight.

Conduit ending in a standard or pedestal must not extend more than 3 inches vertically above the foundation and must be sloped toward the handhole opening. Conduit entering through the side of a nonmetallic pull box must end inside the box within 2 inches of the wall and 2 inches above the bottom and be sloped toward the top of the box to facilitate pulling of conductors. Conduit entering through the bottom of a pull box must end 2 inches above the bottom and be located near the end walls to leave the major portion of the box clear. At the outlet, the conduit must enter from the direction of the run.

Underground conduit runs, including under sidewalks, that are adjacent to gasoline service stations or other underground gasoline or diesel storage, piping, or pumps and that lead to a controller cabinet, circuit breaker panel, service, or enclosure where an arc may occur during normal operations must be sealed if the conduit is within the limits specified in the NEC for Class 1, division 1. Use Type 1 or Type 2 conduit for these runs.

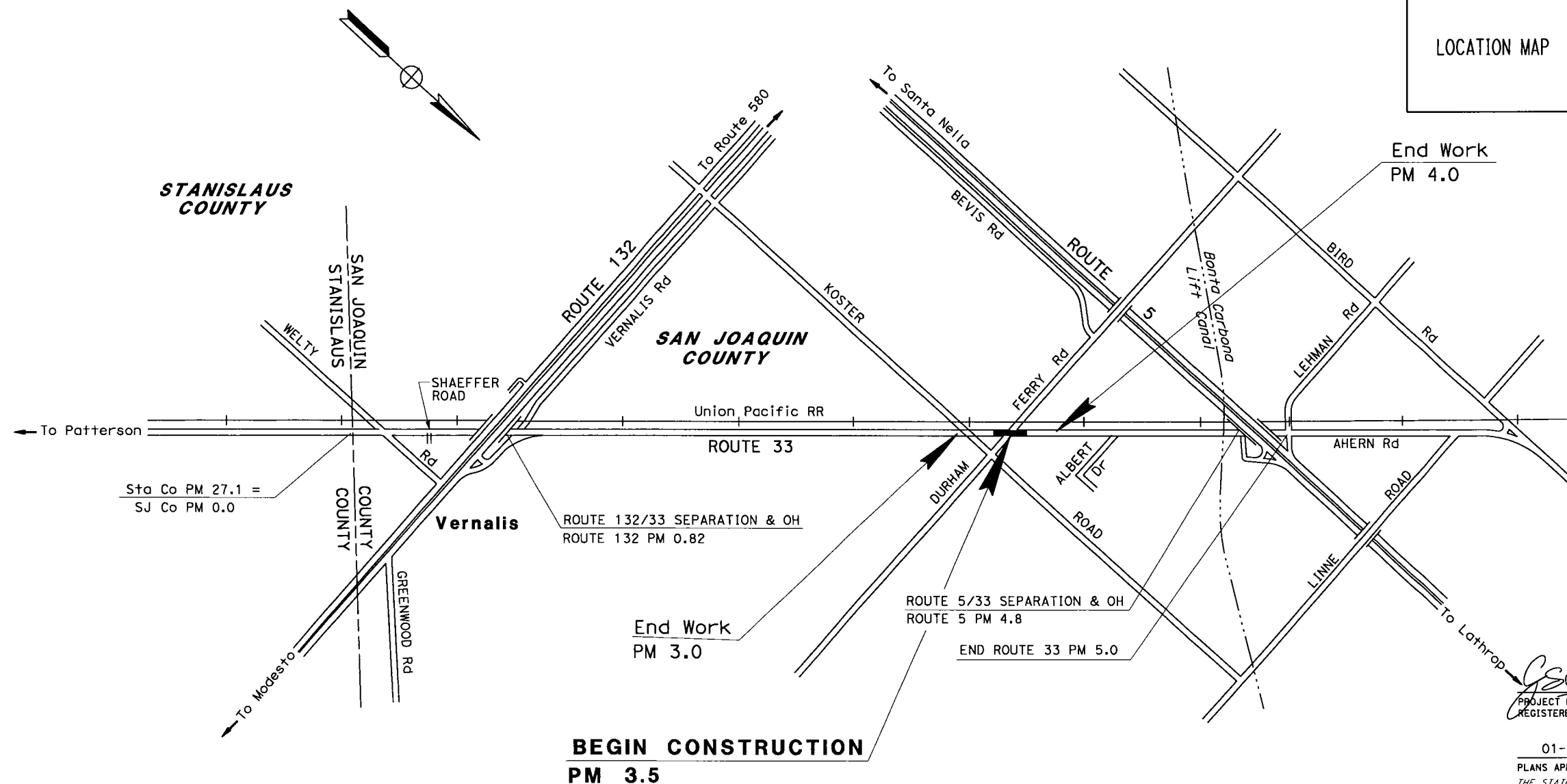
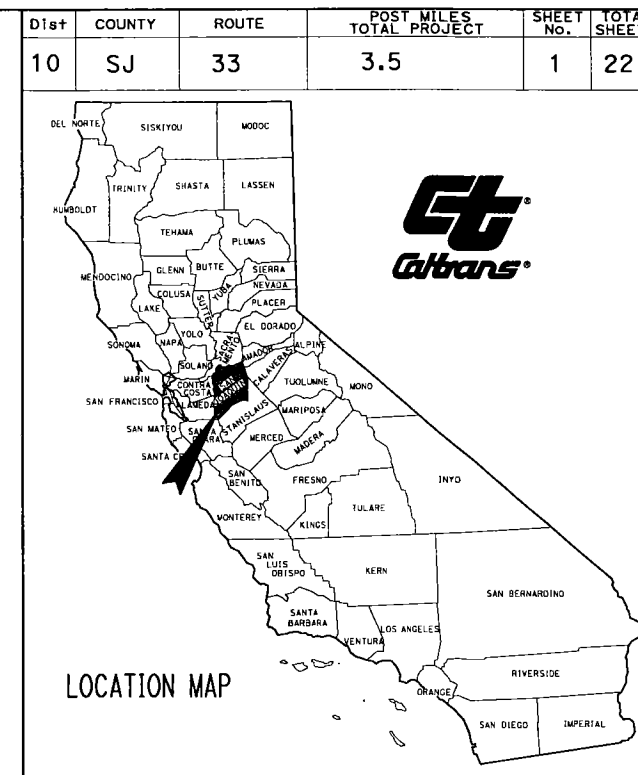
Conduit for future use in structures must be threaded and capped. Conduit leading to soffit, wall, or other lights or fixtures below pull box grade must be sealed and made watertight, except where conduit ends in a No. 9 or No. 9A pull box.

INDEX OF PLANS	
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3	UTILITY PLANS
4	CONSTRUCTION AREA SIGNS
5	SIGN PLANS, DETAILS AND QUANTITIES
6	TRAFFIC HANDLING PLAN
7-8	ELECTRICAL PLANS
8-22	REVISED STANDARD PLANS

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SAN JOAQUIN COUNTY
NEAR TRACY
AT DURHAM FERRY Rd

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

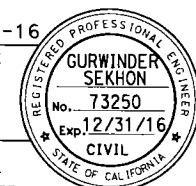


THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

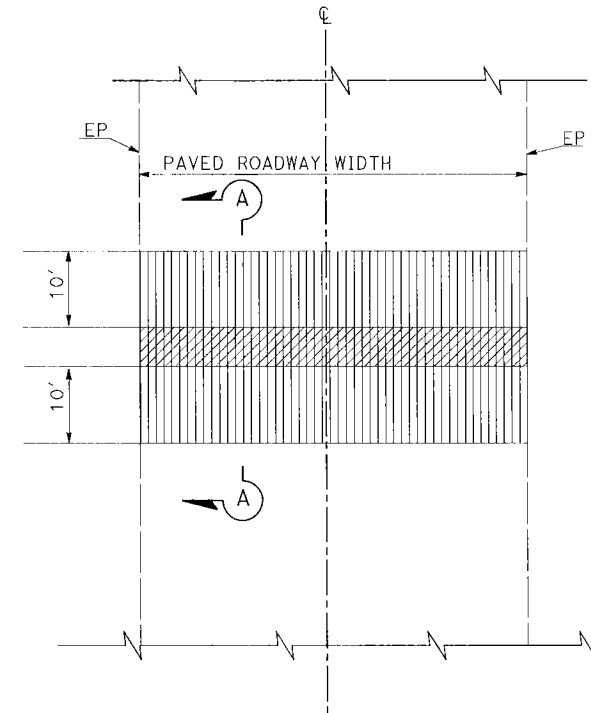
NO SCALE

CONTRACT No.	00-000004
PROJECT ID	1016000012

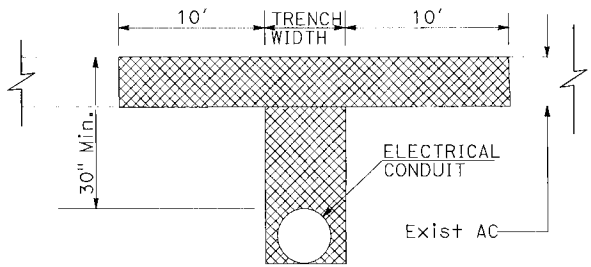
01-14-16
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE
01-14-16
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



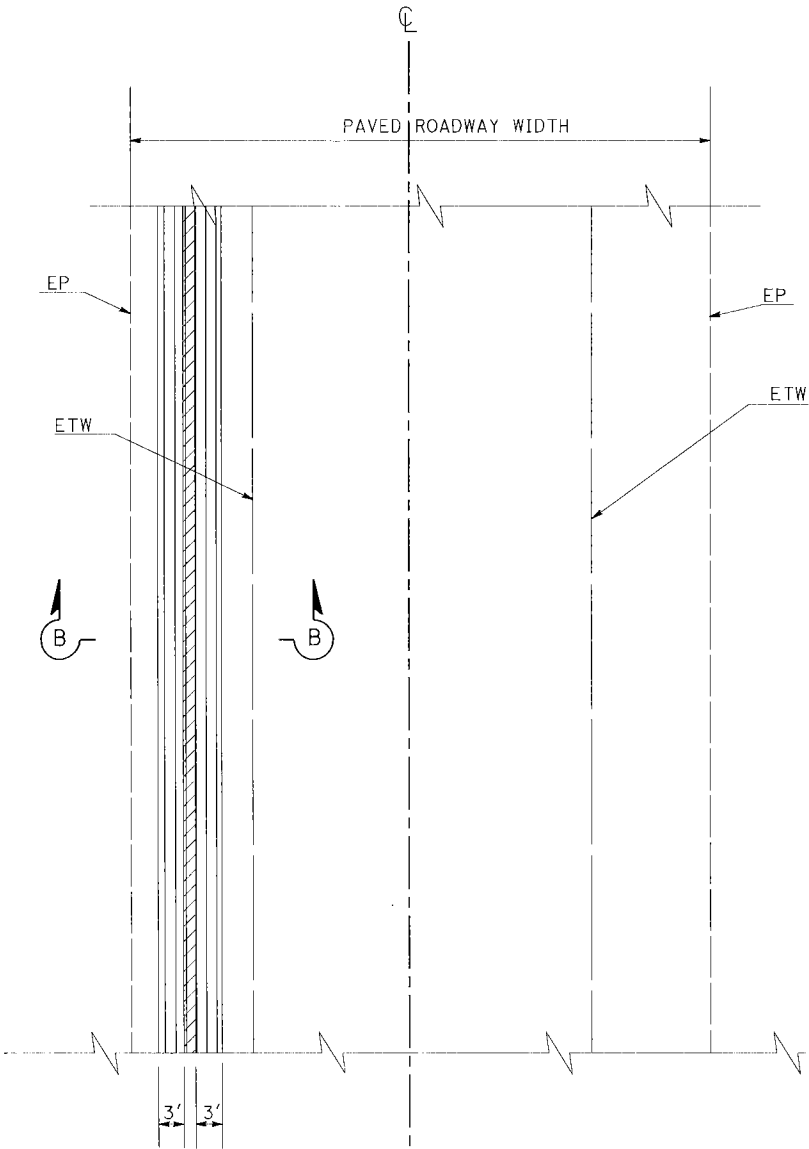
- NOTE:
- 1. SEE ELECTRICAL SHEETS FOR CONDUIT LAYOUT.
 - 2. REFER TO CALTRANS 2010 STANDARD SPECIFICATION AND CONTRACT SPECIAL PROVISIONS FOR DETAILS NOT SHOWN.
 - 3. REFER TO SAN JOAQUIN COUNTY Std. DRAWING DETAIL R-29 FOR TRENCH BACKFILL DETAIL.



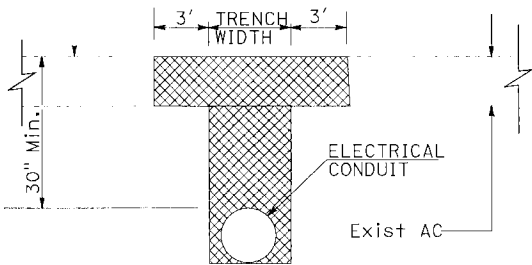
DETAIL A
CROSS TRENCHING ROADWAY
RESURFACING DETAIL



SECTION A-A
SEE SJC Std. DRAWING R-29 (TYPICAL TRENCH BACKFILL)



DETAIL B
LONGITUDINAL TRENCHING OF ROADWAY
RESURFACING DETAIL



SECTION B-B
SEE SJC Std. DRAWING R-29 (TYPICAL TRENCH BACKFILL)

LEGENDS:

- COLD PLANE AC SURFACE
- TRENCH BACKFILL MATERIAL
- TRENCH WIDTH

ROADWAY ITEMS		
	COLD PLANE AC PAVEMENT	MINOR HMA
	SOYD	TON
	356	25
TOTAL	356	25

CONSTRUCTION DETAIL
TRENCHING IN PAVEMENT DETAIL
LOCAL ROAD

NO SCALE

C-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Sta	108	3.5	2	26

01-29-16

REGISTERED CIVIL ENGINEER

DATE

01-29-16

PLANS APPROVAL DATE

01-29-16

REGISTERED PROFESSIONAL ENGINEER

GURWINDER SEKHON

No. C73250

Exp. 12/31/16

CIVIL

STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
GURINDER SEKHON
FUNCTIONAL SUPERVISOR
MARK ORR
TRAFFIC ENGINEERING

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ROADSIDE SIGN QUANTITIES

- LEGEND:
- XX - ROADSIDE SIGN No.
 - △ - INSTALL ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)
 - ☒ - REMOVE ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)
 - XX - THERMOPLASTIC PAVEMENT MARKING

Dist COUNTY ROUTE POST MILES SHEET TOTAL
10 SJ 33 3.5 5 22

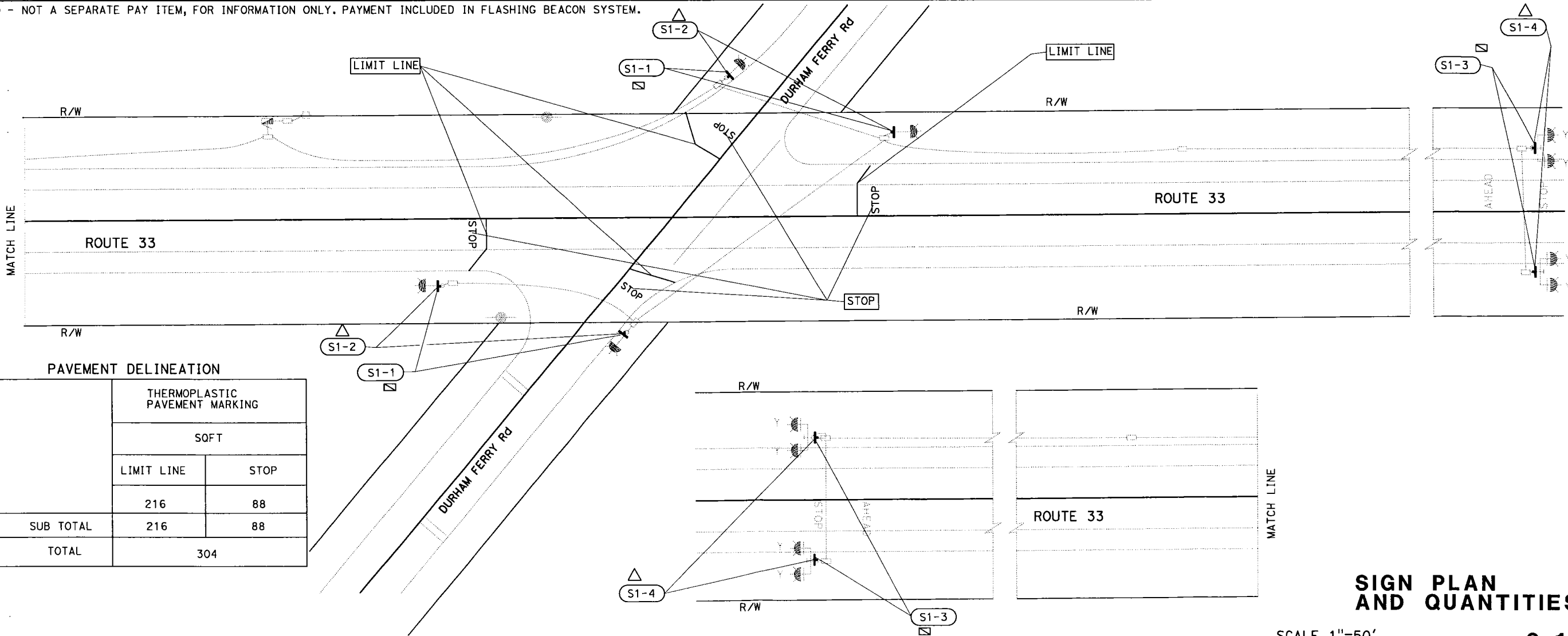
REGISTERED CIVIL ENGINEER DATE
1/14/16
PLANS APPROVAL DATE

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OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
GURINDER SEKHON
No. C73250
Exp 12/31/16
CIVIL

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	SINGLE FACED	DOUBLE FACED	BACKGROUND		LEGEND		GRAFFITI FLOW		FURNISH SINGLE SHEET ALUMINUM SIGN	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	RETROREFLECTIVE SHEETING (TYPE XI)	TREATED WOOD WASTE (N)	REMOVE ROADSIDE SIGN PANEL(N)	COMMENTS
	FEDERAL	CALIFORNIA					SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	STANDARD	PREMIUM						
S1-1	R1-1			STOP														MOUNTED ON FLASHING BEACON POST
S1-2	R1-1		48" x 48"	STOP	X		RED	XI	WHITE			X	4	64				MOUNTED ON FLASHING BEACON POST
S1-3	W2-1															446		MOUNTED ON FLASHING BEACON POST
S1-4	W2-1		48" x 48"	INTERSECTION WARNING	X		YELLOW	XI	BLACK			X	64	4	64		4	MOUNTED ON FLASHING BEACON POST
TOTAL													128	8	128	892	8	

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY. PAYMENT INCLUDED IN FLASHING BEACON SYSTEM.



SIGN PLAN
AND QUANTITIES

SCALE 1"=50'

S-1

Dist10COUNTYSJROUTE33POST MILESTOTAL PROJECT3.5SHEET No.6TOTAL SHEETS22

REGISTERED ELECT ENGINEER DATE
DUNG H NGUYEN
No. E17395
Exp 09/30/16
ELECTRICAL
STATE OF CALIFORNIA

PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

LEGEND (FOR THIS SHEET):

- 1 120/240 V ,1Ø , 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
WITH THE FOLLOWING CIRCUIT BREAKERS:
Ctid No. 10290330003510M

AMPERES	VOLTS	POLES	NAMEPLATE DESCRIPTION	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN BREAKER	YES	—
15	120	1	FLASHING BEACONS (R)	YES	—
15	120	1	FLASHING BEACONS (Y)	YES	—
15	120	1	SPARE	YES	—

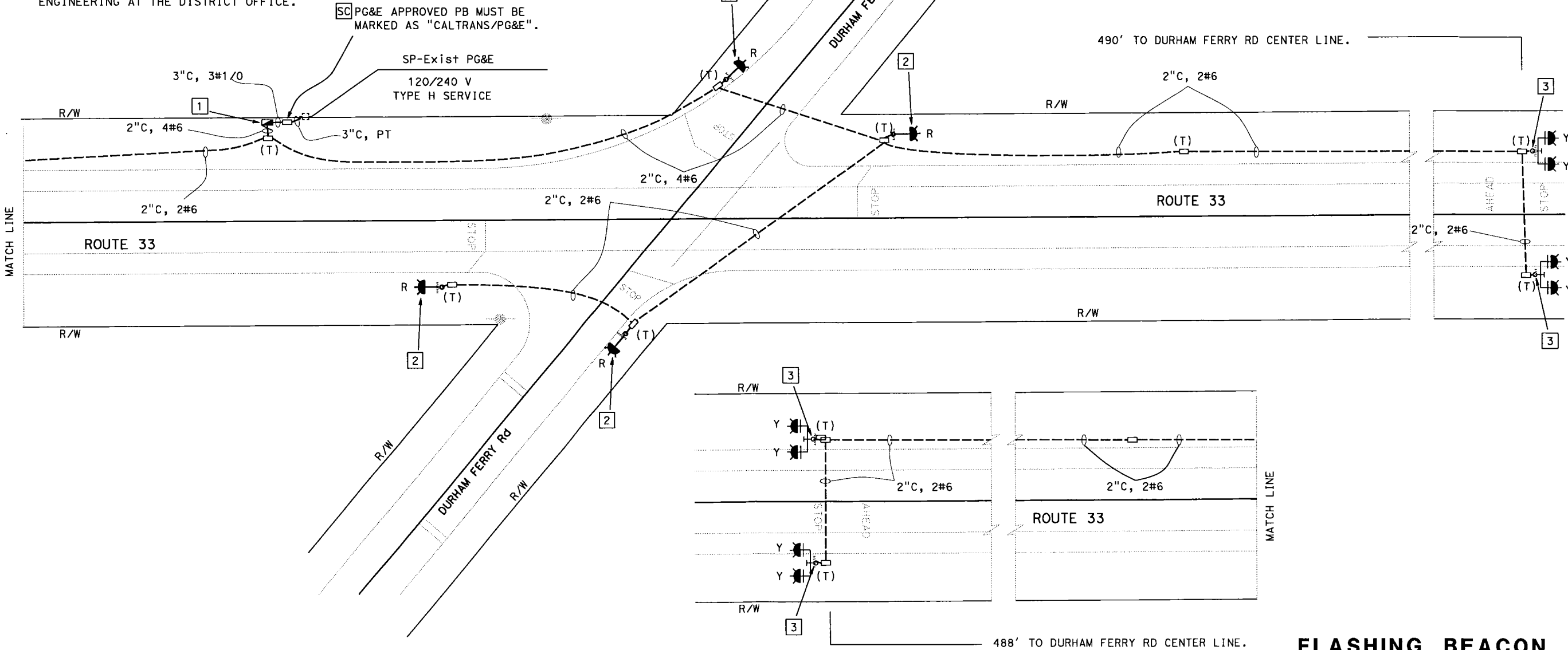
- 2 RS EXIST FLASHING BEACON SOLAR SYSTEM, INSTALL TYPE 1-A FLASHING BEACON
SHOW ON RSP ES-7J, AND R1-1 SIGN, SEE SHEET SQ-1 FOR SIGN DETAIL.
- 3 RS EXIST FLASHING BEACON SOLAR SYSTEM, INSTALL TYPE 15-FBS
SHOW ON RSP ES-7J, AND W3-1 SIGN, SEE SHEET SQ-1 FOR SIGN DETAIL.

NOTES:

1. YOU MUST COORDINATE WITH PG&E FOR ALL SERVICE REQUIREMENTS.
2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY
ENGINEERING AT THE DISTRICT OFFICE.

ABBREVIATIONS:

PG&E - PACIFIC GAS AND ELECTRIC COMPANY




APPROVED FOR ELECTRICAL WORK ONLY

FLASHING BEACON

SCALE 1:20

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

 **TRAFFIC ENGINEERING**

FUNCTIONAL SUPERVISOR

MARK ORR

CALCULATED-DESIGNED BY

CHECKED BY

REVISOR

DATE

REVISOR

DATE

REVISOR

DATE

NOTE:

THE QUANTITIES SHOWN IN THE TABLES ARE NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
FOR COMPLETE ELECTRICAL WORK, SEE ELECTRICAL PLANS.

DIST

COUNTY

ROUTE

POST MILES TOTAL PROJECT

SHEET No.

TOTAL SHEETS

10

SJ

33

3.51

8

23

REGISTERED ELECTRICAL ENGINEER

DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

DUNG H NGUYEN

No. E17395

Exp 09/30/16

ELECTRICAL

STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FLASHING BEACON

SHEET No.	TYPE III-AF SERVICE EQUIPMENT ENCLOSURE	TYPE III-AF SERVICE EQUIPMENT ENCLOSURE FOUNDATION	TYPE 1A STANDARD WITH LED FB CONTROL ASS.	TYPE 1A STANDARD FOUNDATION	TYPE 15-FBS WITH LED FB CONTROL ASS.	TYPE 15-FBS FOUNDATION	PG&E APPROVED PB	No. 5(T) PB	2"C TYPE 3	3"C TYPE 3	1 1/2"C TYPE 1	2"C TYPE 1	3"C TYPE 1	No. 1/0 CONDUCTOR (AL)	No. 6 CONDUCTOR (AL)
	EA								LF						
E-2	1	1	4	4	4	4	1	11	1050	30	50	30	30	100	2200

ELECTRICAL QUANTITIES

E-2

BORDER LAST REVISED 7/2/2010

USERNAME => s132625
DGN FILE => 1016000012uo002.dgn

RELATIVE BORDER SCALE IS IN INCHES

0

1

2

3

UNIT 2585

PROJECT NUMBER & PHASE

10160000121

DATE PLOTTED => 29-JAN-2016

TIME PLOTTED => 11:22