



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-1900611
Date Issued: 04/19/2019
Start Date: 04/24/2019
Exp. Date: 06/23/2019
Project No: PWP110005
Quad: 16W

ENCROACHMENT PERMIT

To: MUNNANGI SIVAKUMAR R. & MUNNANGI
8795 GOLDEN BEAR DR
MERCED CA 95340-

Encroachment Type:

Trench			
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Location:

MAYBECK RD 250' S/O HWY4

In compliance with your request of **03/07/2019**, 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"*****
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FORMS:	SS/WW, R-29	Trench Cut	Policy
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Est. Permit Fee: \$500.00

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
MAYBECK ROAD PRIVATE PIPELINE
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes for local traffic. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, lane closure shall be used within the road closure to regulate local traffic thru immediate work zone.
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. Emergency responder access to effected residences shall be maintained at all times.
5. Any areas where parking is to be restricted shall have signs noticing the time period placed at least 48 hours in advance of the work.
6. No trench cutting of County roads shall occur between November 1 and March 31 without prior authorization by the County.
7. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31 unless authorized by the County.
8. 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.
9. 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)
10. Existing fences shall not be removed without written consent signed by the property owner and submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials at the edge of the right-of-way.
11. The Permittee shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of the private pipeline as determined by the County at the Permittee's expense. (Streets and Highways Code Section 1463)

Special Conditions for
ENCROACHMENT PERMIT

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12. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
13. Pipeline shall be on a straight grade a minimum of 30" below ditches or toe of embankment slope.
14. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
15. 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.
16. Temporary pavement shall be provided for all trench areas within three days of pavement removal or by Friday of each week, whichever is more restrictive.
17. 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.
18. Maybeck Road subject to pavement cuts shall receive a Type II Slurry Seal Coat as per San Joaquin County Department of Public Works Improvement Standards Section 2-5.0 Trench Cut Policy. Shoulder areas shall be brought up to the finish grade as directed by the County.
19. No paving joints allowed within paved shoulder, contractor shall pave all the way to outer edge of paved shoulder.
20. Any drainage ditches disturbed by construction shall be fully restored. It is the responsibility of the applicant to ensure existing drainage channels/ditches convey drainage during and after construction and match pre-construction conditions.
21. 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.
22. Shoulder backing shall be backed with Class II Aggregate Base from edge of pavement a minimum of 4-inches thick by 4-foot wide.
23. Markers are to be set at the County right-of-way line (property line) on both sides of Maybeck Road identifying the location of the pipeline crossing and the name of the contact person.
24. 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.

25. 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.
26. The contractor shall not conduct construction operations in rain or heavy fog conditions.
27. Contractor shall ensure **that both exposed ends** of the pipe extend beyond the County right-of-way.
28. Applicant is required to enter into an agreement with San Joaquin County Public Works providing for maintenances of the section above the pipeline. The obligations and covenants contained with the agreement shall run with the land.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 2-21-2019

To: San Joaquin County
Department of Public Works

Sivakumar R. Munnangi
(Applicant Name)

3795 N. Golden Bear Dr.
(Mailing Address)

Merced, Ca. 95340
(City, State, Zip Code)

209-380-9900
(Area Code - Telephone Number)
skmunnangi@gmail.com
(Email Address)

OFFICE USE ONLY

JOB #	<u>110005</u>	REF #	
APN		CR #	
EXP. DATE			
VALID	TO	DRIVEWAYS:	
STREET	<u>Maybeck Rd</u>	•	
AREA	<u>Stockton</u> QUAD <u>NUN</u>	•	
TYPE	<u>Trench</u>	•	
FORMS	<u>SS/WW, R-29</u>		
NOTES	<u>Trench Cut Policy</u>		

Sketch (Detailed plans may be submitted)

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the west/east side of Maybeck Rd. Stockton, Ca. approximately 250 feet/mile of south of Hy 4, by performing the following work (description of work):
sawcutting Maybeck Rd for installation of 24" delivery line feeding from the east to the west. Delivery line is proposed 24" C900 PVC pipe.

" NO ROAD CLOSURE "

Work will commence on or after _____ for approximately _____ 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 of Applicant - Title

2-21-2019
Date



Department of Public Works

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development

Michael Selling, Deputy Director/Engineering

Jim Stone, Deputy Director/Operations

Kristi Rhea, Manager of Strategic Initiatives

Acknowledgement of Monument Preservation

I, Michael L. Quartaroli, a duly Licensed Land Surveyor or a Professional Engineer
(Please print)

authorized to perform Land Surveying in the State of California, Registration No. L.S. 4450,

hereby acknowledge and accept all responsibility for the monument preservation as required
per Section 8771(a-f) of the Business and Professions Code within the bounds of the
construction activity permitted by San Joaquin County Permit No. PS-1900611.

I further acknowledge that I am hereby responsible for the Acknowledgement of Monument
Preservation prior to final acceptance of the construction activity.

Michael L. Quartaroli
Signature Seal

Mar. 22, 2019
Date



PS-MONUMENT PRESERVATION

This Acknowledgment of Monument Preservation form is for the Encroachment Permit Application on Maybeck Road to install a 24" pipeline approximately 278 feet south of Highway No. 4 centerline.

Applicant:

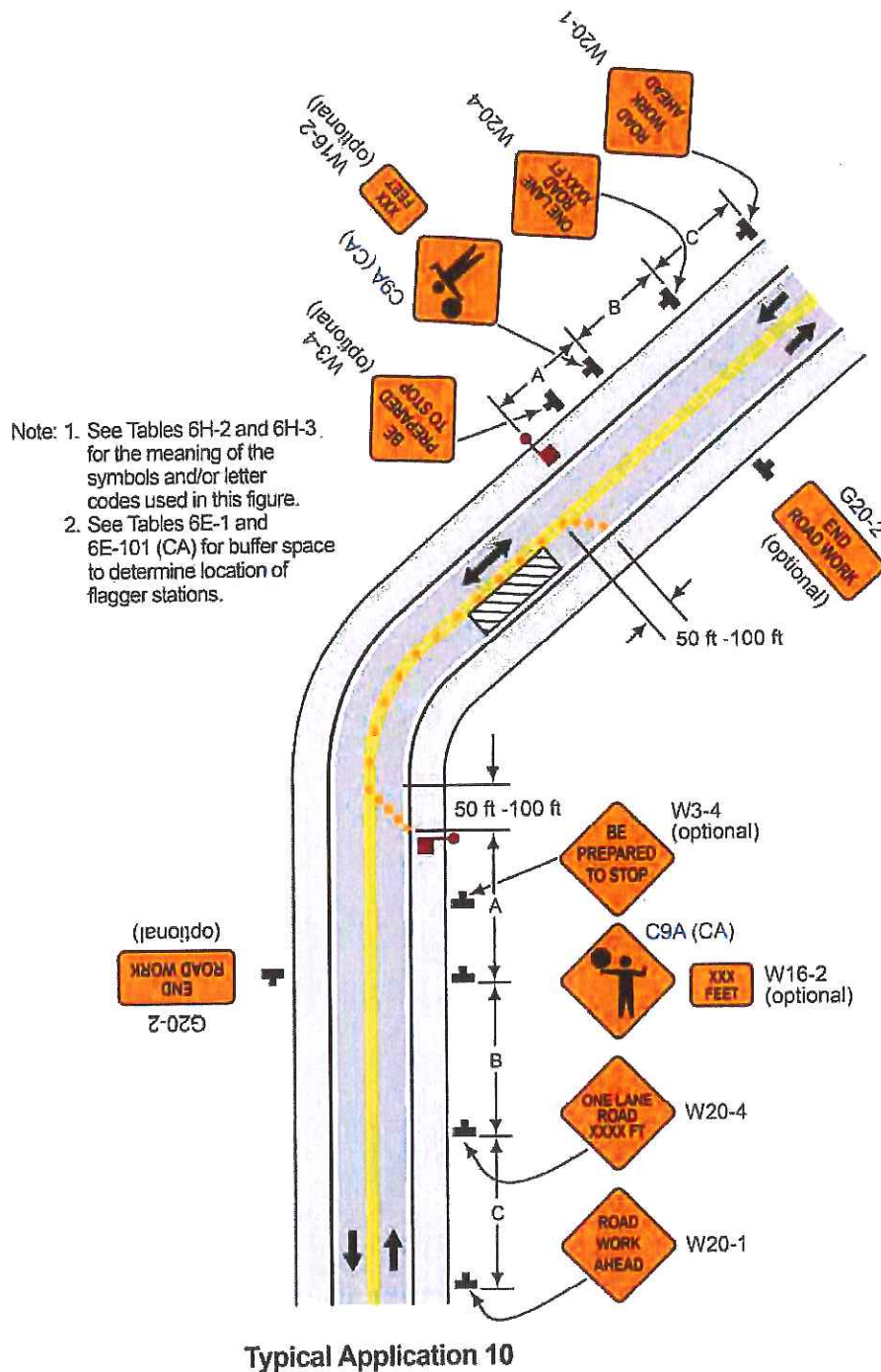
**Waterford Irrigation Supply, Inc.
Mick Williams (209) 874-1386**

Landowner:

**Sivakumar Munnangi
8795 Golden Bear Drive
Merced, CA 95240**

Job. No. 2019-63

Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)



* 2-5.0 **TRENCH CUT POLICY**

* 2-5.01 **General Requirements**

- A. Resurfacing requirements specified in this policy are in addition to the trench resurfacing requirements specified by County Standard Drawing No. R-29.
- B. For the purpose of this policy, "Surfacing Age" is defined as the age of the most recently completed roadway surfacing, including construction, reconstruction, or major overlay.
- C. Where the application of seal coats is required, a Type II Slurry Seal will be used in accordance with State Standard Specifications, Section 37-2.
- D. The permittee must post a one-year maintenance bond or cash deposit, in an amount specified by the Department.
- E. All pavement markings destroyed or obliterated must be replaced in kind by the permittee. Typical pavement markings include, but are not limited to, lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers, and miscellaneous delineators.
- F. The permittee is responsible for Survey Monuments disturbed by trenching and is required to file a corner record and to reestablish them using a Licensed Land Surveyor after the trench restoration is completed.
- G. Functional classification maps and Public Works Project Advertising Schedules are references for this policy.
- H. To facilitate scheduling and planning, Public Works staff will make available the most current Project Advertising Schedule at the monthly Utility Coordination Meeting and make it available to the public, at the Permits Counter, in January each year.

2-5.02 **Collectors, Arterials and Expressways**

- A. Surfacing Age less than Three (3) Years: No pavement cuts. Exceptions may be approved in accordance with Section 2-5.04 EXCEPTIONS.
- B. Surfacing Age Three (3) Years and Over:
 - 1. Longitudinal Trench Cutting in Paved Shoulder

Areas:

The entire shoulder of the road is to be resurfaced. The existing surfacing adjacent to the trenched area shall be planed to accommodate the overlay in a manner that does not cause drainage concerns. The nearest pavement cut shall be a minimum of three (3) feet from the edge of pavement, or the remaining pavement shall also be removed and replaced. (See County Standard Drawing No. R-37).

2. Longitudinal Trenches within Traveled Lanes:

The entire traveled lane where the trench is located is to be resurfaced with a one (1) inch asphalt concrete overlay. The existing surfacing adjacent to the trenched area shall be planed to accommodate the overlay in a manner that does not cause drainage concerns. The overlay shall be in accordance with State Standard Specifications, Section 39. Aggregate gradation shall be consistent with the existing surfacing material. (See County Standard Drawing No. R-37).

3. Cross-Cutting:

Cross-cutting is allowed at a minimum interval of 150 feet. At each cross-cut location a minimum of ten (10) feet on each side of trench shall be planed and resurfaced with one (1) inch asphalt concrete. If cross cuts are within the 150 feet minimum interval, the entire section between the first and last cross cut shall be planed and resurfaced with one (1) inch asphalt concrete. (See County Standard Drawing No. R-36).

4. The conditions described in paragraphs 1, 2 and 3 above will not apply if resurfacing is scheduled within two years.



2-5.03 Local Roads

- A. Surfacing Age Under Three (3) years: No pavement cuts allowed. Exceptions may be approved in accordance with Section 2-5.04 EXCEPTIONS.



B. Surfacing Age Three (3) to Five (5) Years:

1. Longitudinal cuts are permitted. A seal coat is required for that half of the roadway containing the trench. (See County Standard Drawing No. R-37).

2. Cross-cutting is allowed under the same conditions as Section 2-5.02(B)(3). If cross-cuts occur within the 150 feet minimum interval, resurfacing may be substituted with a slurry seal for that half of the roadway. (See County Standard Drawing No. R-36).

2-5.04 Exceptions

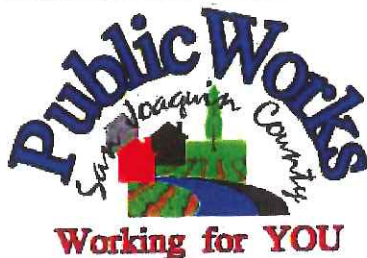
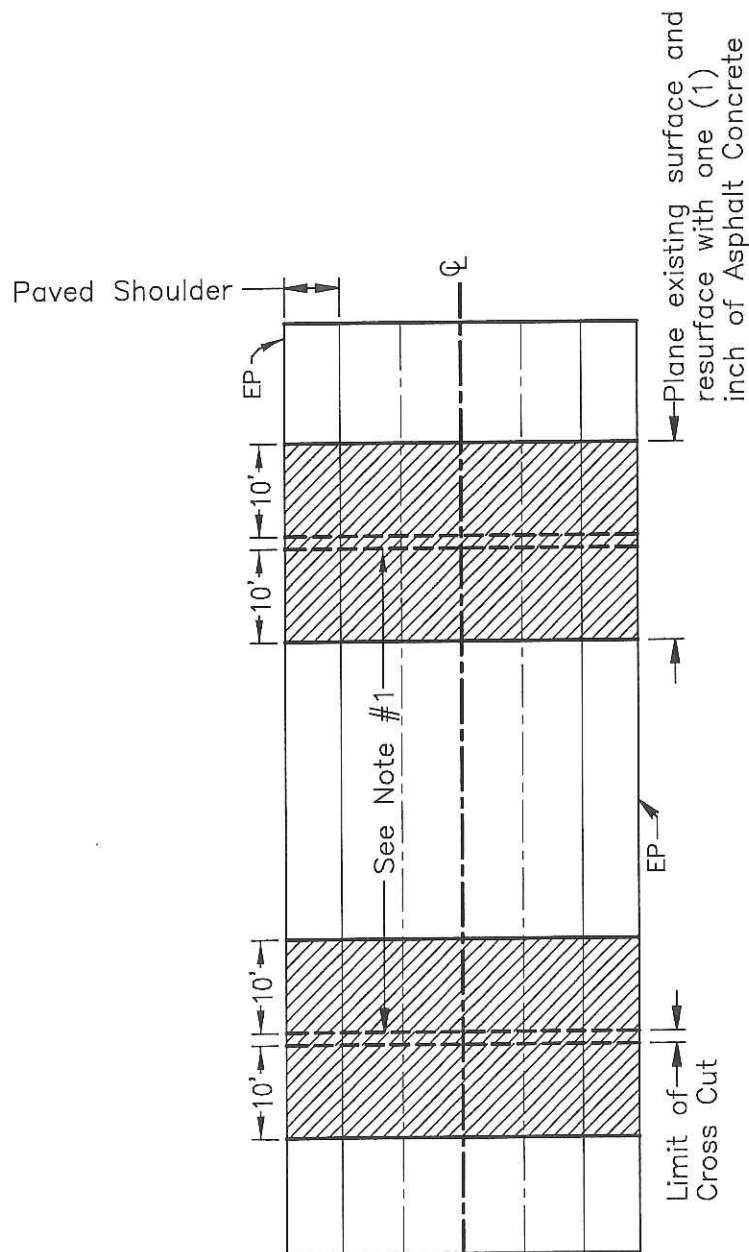
Excavation is prohibited in newly renovated County roadways for three (3) years after a notice of completion has been filed for a roadway improvement project, or a new roadway has been accepted. The Director of Public Works may approve exceptions that are in the best interest of the public, including but not limited to:

- A. An emergency that endangers life or property.
- B. For repair or modification to prevent interruption of essential utility service.
- C. For relocation work that is mandated by County, State or Federal law.
- D. For service for buildings where no other reasonable means of providing service exists.
- E. For potholing to verify utility depth or location.
- F. For trenchless excavations greater than three feet in depth of cover over the utility facility, and not requiring a significant surface incision greater than industry bore pit standards.

Exceptions must be requested and submitted in writing to the Department. Payment of a nonrefundable processing fee is also required. Exceptions will be reviewed using the Departments Action Approval process, which requires the recommendation of a Deputy Director.

NOTES:

1. If the distance between cross-cuts are less then 150' the entire area between corss-cuts shall be planed and resurfaced with one (1) inch of Asphalt Concrete.
2. The resurfacing requirements shall be in addition to County Standard Drawing No. R-29.
3. Resurfacing for Bell Holes shall meet these requirements. If excavation occurs within the shoulder or lane, only that area shall be resurfaced as shown.
4. If cross-cutting is performed on Local Roads at intervals less then 150' a Seal Coat for that half of the roadway containing the trench can be used in lieu of resurfacing. Section 2-5.03 (B-2).



**TRENCH CUTTING POLICY
CROSS CUTTING OF
COUNTY ROADWAYS**

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Date: DEC 2014

Approved by:

Michael Kellogg

No.	Revision	Description	Date

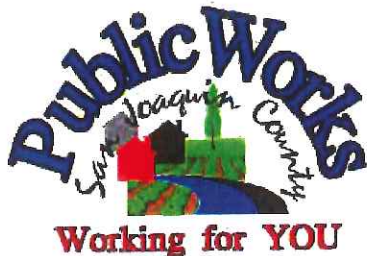
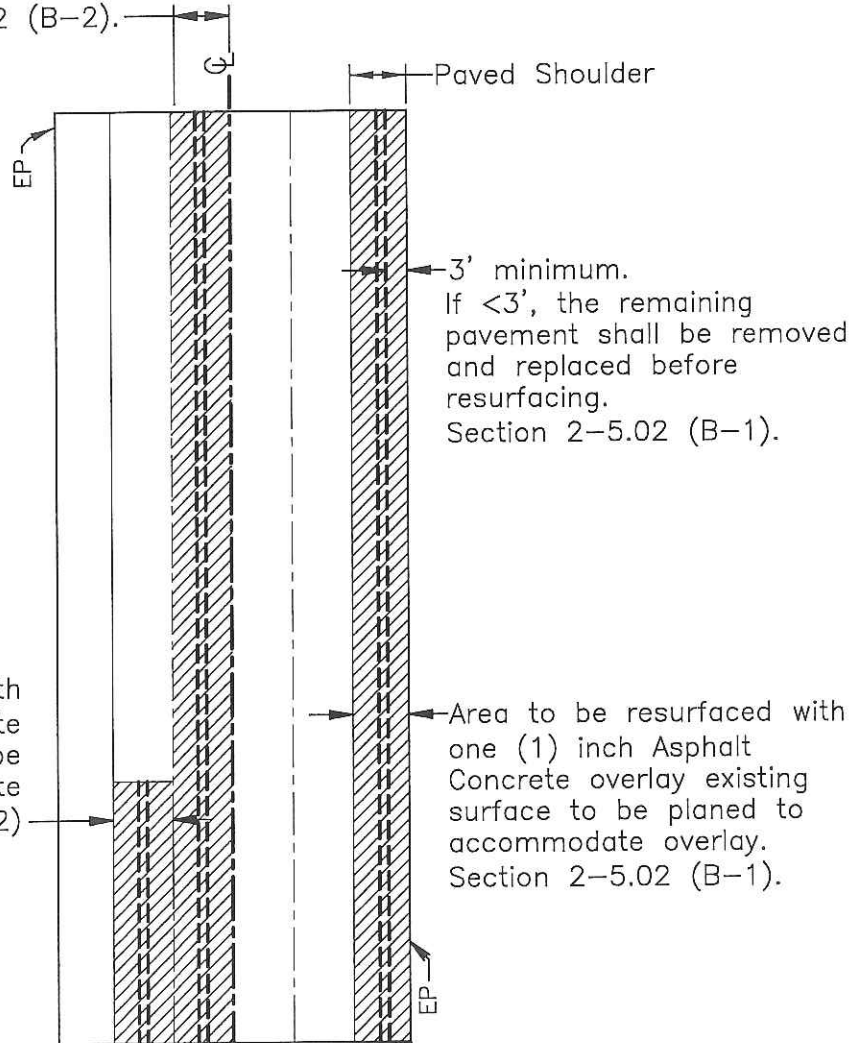
Std. Dwg. No.

R-36

NOTES:

1. The resurfacing requirements shall be in addition to County Standard Drawing No. R-29.
2. If longitudinal cuts are required on a Local Road a Seal Coat can be used for that half of the roadway containing the trench. Section 2-5.03 (B-1).

Area to be resurfaced with one (1) inch Asphalt Concrete overlay existing surface to be planed, to accommodate overlay. Section 2-5.02 (B-2).



**TRENCH CUTTING POLICY
LONGITUDINAL CUTTING
OF COUNTY ROADWAYS**

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Date: DEC 2014

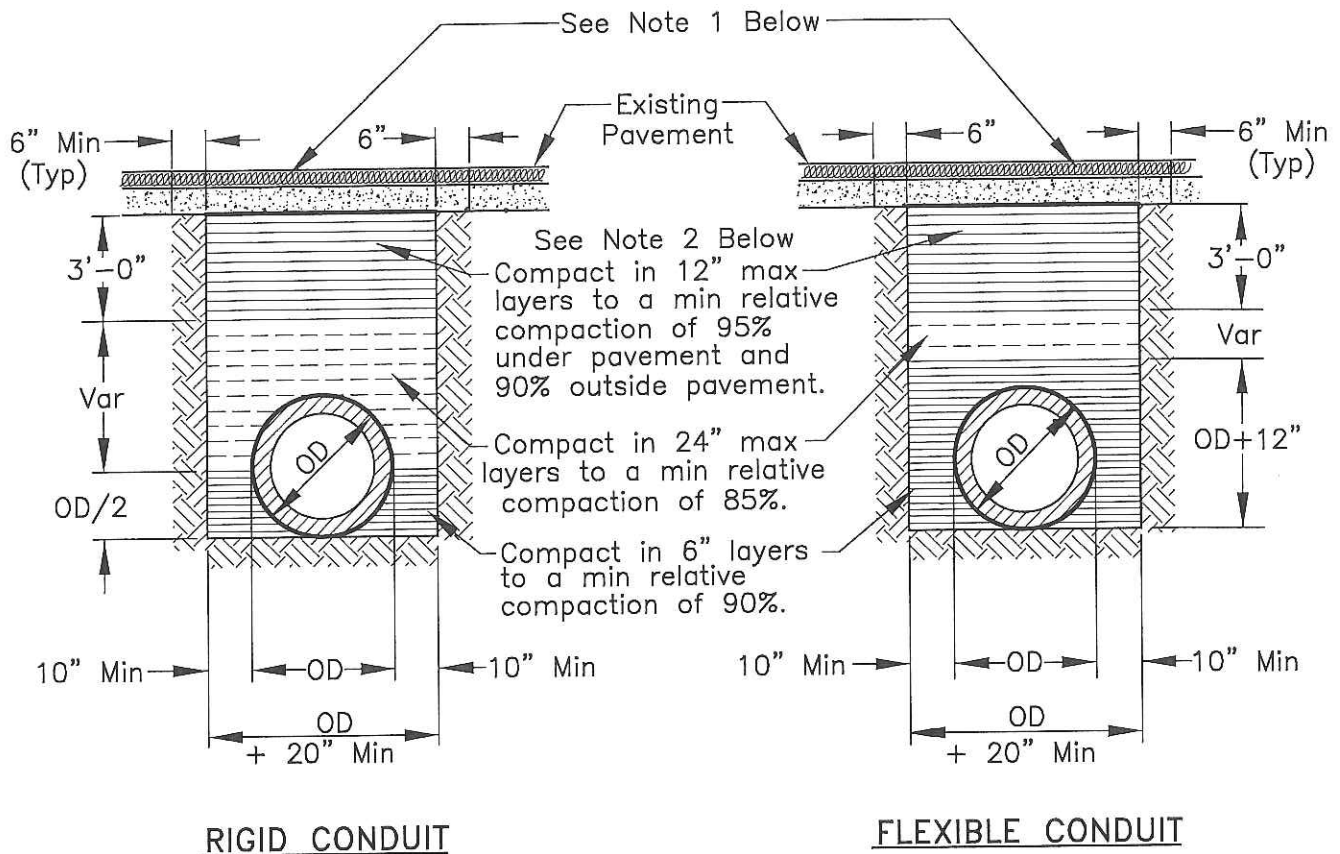
Approved by:

Michael Selig

No.	Revision	Description	Date

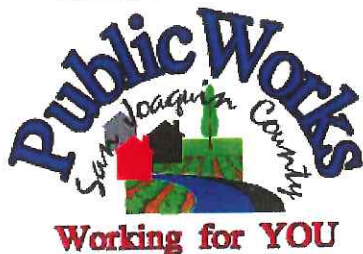
Std. Dwg. No.

R-37



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

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by:

Thomas M. Grew

No.	Revision	Description	Date

Date: DEC 2014

Std. Dwg. No.

R-29

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
 - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1:06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

After recording, return to:
County of San Joaquin
c/o Director of Public Works
1810 E. Hazelton Avenue
Stockton, California 95205
Attention: Public Services Division

Doc #: 2019-033233
04/03/2019 02:29:49 PM
Page: 1 of 7 Fee: \$32.00
Steve J. Bestolarides
San Joaquin County Recorders
Paid By: SHOWN ON DOCUMENT



ROAD AND PIPELINE MAINTENANCE AGREEMENT

This Road Maintenance Agreement dated this 28TH day of MARCH, 2019 (the "Obligation") is by and between the County of San Joaquin, a political subdivision of the State of California ("County") and Sivakumar R. Munnangi and Aruna Munnangi, Co Trustees of the Sivakumar and Aruna Munnangi Trust, as the sole and separate owners of the land defined below, ("Obligors").

WHEREAS, the Obligors are the owners of the Land, located in the jurisdiction of County, identified as APN 131-350-02 (hereinafter referred to as "the Land") and have made an application for an encroachment permit with the San Joaquin County Department of Public Works for the installation of a private pipeline under a section of County owned road known as Maybeck Road (hereinafter referred to as "Road", as defined below); and,

WHEREAS, this Obligation for repair and maintenance that is a required condition for the approval of Encroachment Permit No. PS-1900611 with County, allowing for the installation of a private twenty-four inch irrigation pipeline (hereinafter referred to as "Pipeline").

Now, therefore, in consideration of the above, the Obligors and the County hereto agree as follows:

1. Description and Definition of "Road" and "Pipeline." Road is the section of road situated between parcels APN 131-350-02 and APN 162-050-01 starting at the intersection of the Pipeline and the west side road right-of-way and continuing easterly parallel to the alignment of the Pipeline for a distance of seven and a half feet to each side of the pipeline measured perpendicularly from the centerline of the pipeline alignment (a total of fifteen feet). Pipeline is a private 24" pipeline. Both the Road and Pipeline are shown on the attached Exhibit "A" and incorporated herein by this reference.

2. Obligation. This Obligation for repair and maintenance is a required condition for the approval of Encroachment Permit No. PS-1900611 with County for the installation of the Pipeline and as consideration for such, Obligors shall be responsible for the maintenance of Pipeline and a portion of Road identified herein, including but not limited to the grading and resurfacing of the Road disrupted by the installation of Pipeline and/or related to the maintenance of Pipeline. Obligors shall obtain an encroachment permit prior to and for all work within road

right-of-way.

3. Maintenance Standard. The minimum improvement standard(s) shall be as otherwise set forth per the current San Joaquin County Improvement Standards at the time the work is performed.

4. This Obligation runs with Land. This Obligation shall be recorded and the covenants created herein shall constitute covenants running with the Land (APN 131-350-02), as defined in California Civil Code section 1462, so as to obligate and benefit successors, heirs and assigns of the Obligor.

5. Notices. All notices to be given hereunder shall be in writing and may be served either personally or by certified or registered mail, return receipt requested, postage prepaid, to the persons and addresses set forth below or to any other address provided by one to the other from time to time in writing.

If to Obligor:
Sivakumar and Aruna Munnangi
3795 North Golden Bear Drive
Merced, California 95340

If to County:
San Joaquin County
c/o Director of Public Works
1810 E. Hazelton Ave.
Stockton, CA 95205

6. Emergency Repairs. Upon reasonable notice, or in the event of emergency, as determined by County's Director of Public Works with no advance notice, it is agreed that County is authorized to undertake all necessary repairs or other preventative measures at Obligor's expense. In the event Obligor, or their successors or assigns, fail to accomplish the necessary maintenance contemplated by this Obligation, within five (5) days of being given written notice by the County, the County is hereby authorized to cause any repairs necessary as determined by County's Director of Public Works. In the event of failure to reimburse County for the cost of work performed, a lien will be placed on the Land in the amount of the cost of the work performed.

7. Applicable Law. The Obligor agree that this Obligation shall be subject to and construed in accordance with the laws of the State of California.

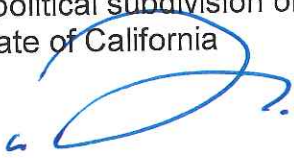
8. Severability. The Obligor agree that in the event that any of the terms and conditions of this Obligation is found to be invalid by a Court of competent jurisdiction, then the remainder of the Obligation shall be accorded with the fullest of facts feasible under the then existing circumstances.

9. Miscellaneous. This Obligation may be amended or modified only by the mutual written agreement of the parties. The Obligation constitutes the final complete and exclusive statement of the term of the agreement between the parties pertaining to the subject matter and supersedes all prior understanding and agreements of the parties.

IN WITNESS WHEREOF, the Obligors have executed this Obligation as of the day and year first written above.

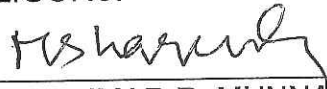
COUNTY:

COUNTY OF SAN JOAQUIN,
a political subdivision of the
State of California



KRIS BALAJI
Director of Public Works
San Joaquin County, California

OBLIGORS:

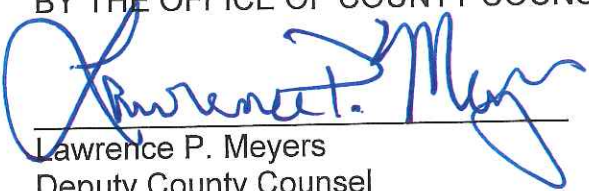
By: 

SIVAKUMAR R. MUNNANGI,
Co-Trustee

By: 

ARUNA MUNNANGI,
Co-Trustee

APPROVED AS TO FORM
BY THE OFFICE OF COUNTY COUNSEL

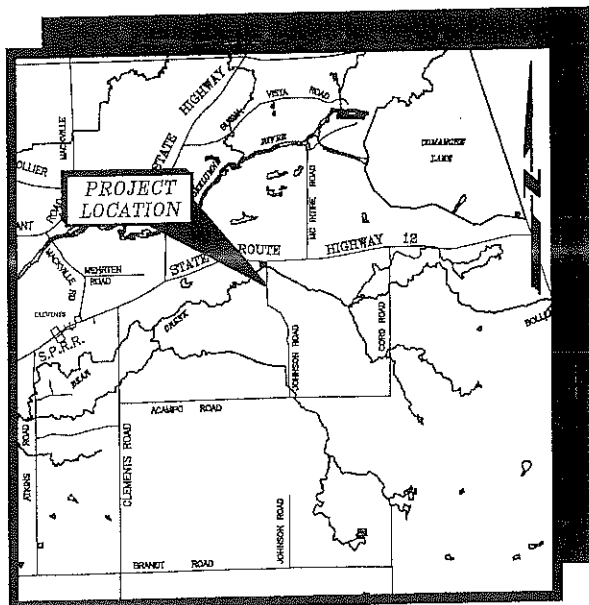
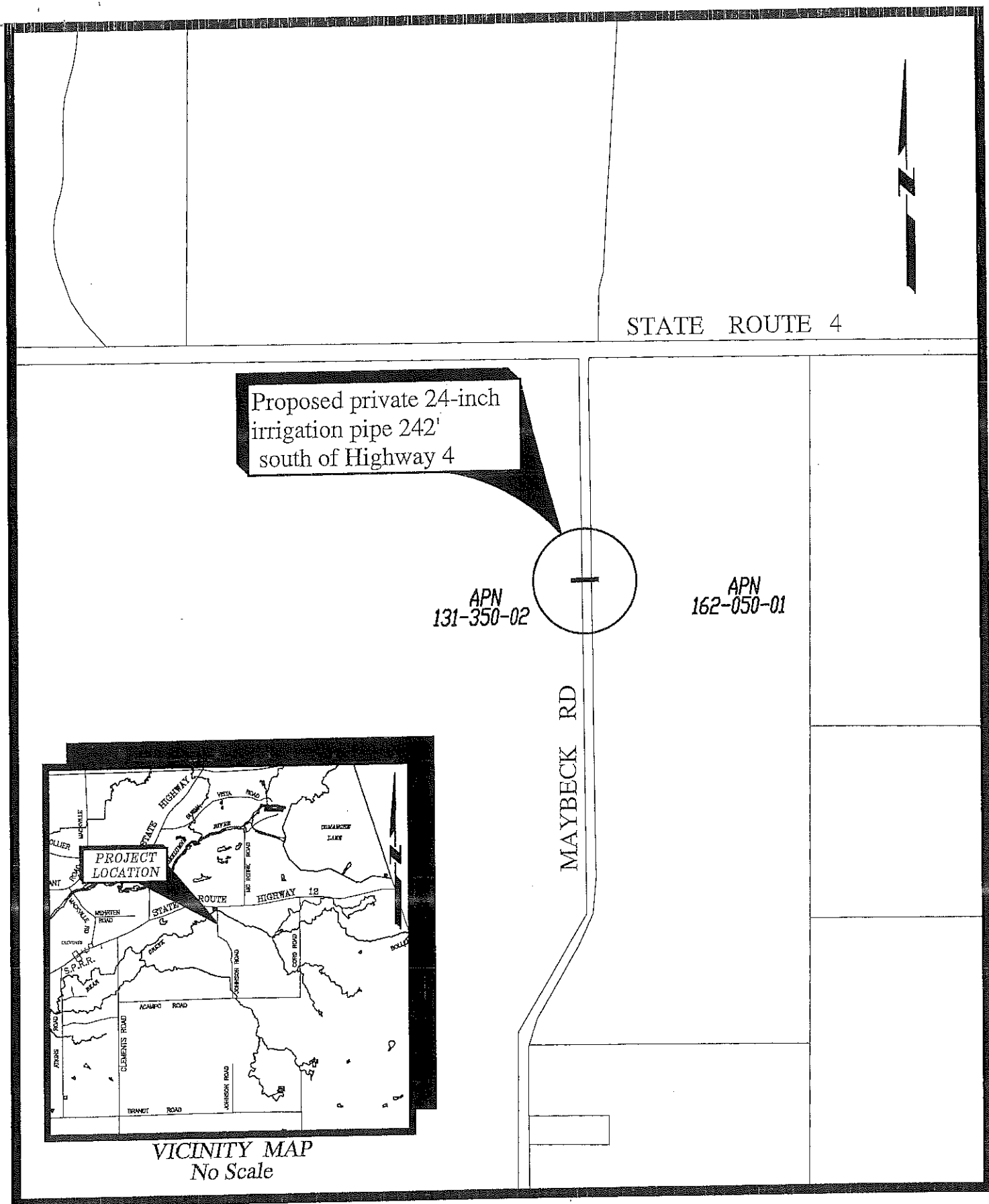


Lawrence P. Meyers
Deputy County Counsel

RECOMMENDED FOR APPROVAL:



FRITZ BUCHMAN
Deputy Director of Public Works



VICINITY MAP
No Scale

EXHIBIT "A"

PS-1900611

DATE: MARCH, 2019
SCALE: 1" = 600'

COUNTY OF SAN JOAQUIN

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

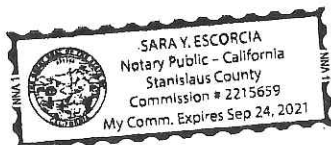
State of California)
County of San Joaquin) ss.
Merced.

On March 27, 2019 before me, SARA Y. ESCORCIA,
a Notary Public, personally appeared
Sivakumar Reddy Munnangi, who proved to me on the basis
of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the
within instrument and acknowledged to me that he/~~she~~/they executed same in
his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal:

(Seal)



Sara Y. Escorcía
Signature of Notary

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of ~~San Joaquin~~ Merced) ss.

On March 27, 2019 before me, Sara Y. Escorcia,
a Notary Public, personally appeared Aruna Munnangi,
who proved to me on the basis
of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the
within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed same in
~~his~~/her/~~their~~ authorized capacity(~~ies~~), and that by ~~his~~/her/~~their~~ signature(~~s~~) on the
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal:

(Seal)



Sara Y. Escorcia
Signature of Notary

ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
)
COUNTY OF SAN JOAQUIN) s.s.

On March 28, 2019 before me, Dwayne B. Sabiniano, Deputy County Clerk, on behalf of STEVE J. BESTOLARIDES, Assessor-Recorder-County Clerk of the County of San Joaquin, personally appeared Kris Balaji, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

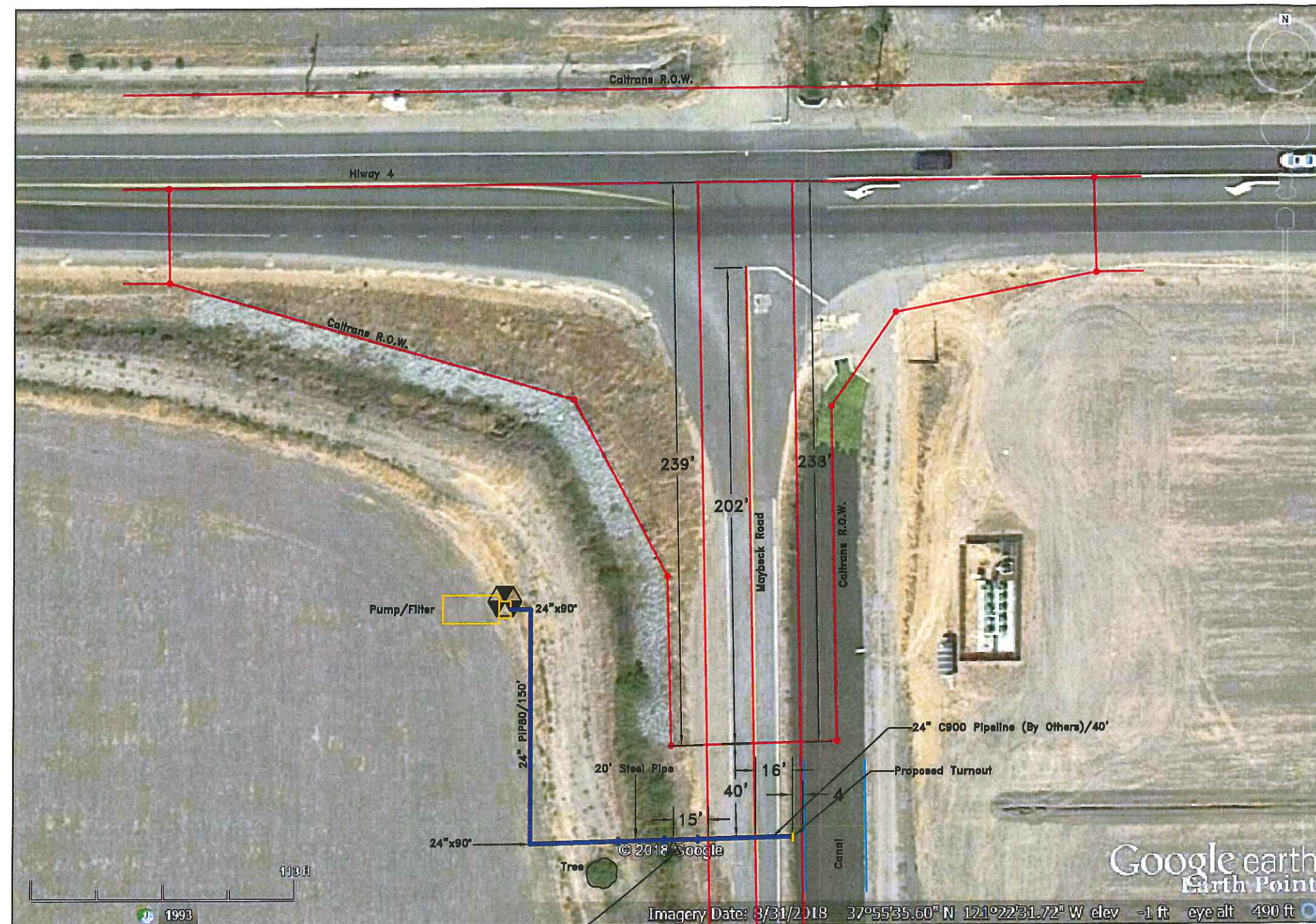
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal:
STEVE J. BESTOLARIDES
Assessor-Recorder-County Clerk
of the County of San Joaquin
State of California



(SEAL)

By: D. B. Sabiniano
Deputy County Clerk



12" Air Vent
(To Be Outside of
County Right-of-Way)

Notes:

1. Materials. All materials and manholes shall be a minimum of class 100 or class 125 pressure rating. Velocities shall not exceed 5 fps. Air vents shall be placed at all high points along manholes.
2. Installation. All manholes 5' or larger shall have a minimum of 30" backfill cover. All manholes 4' or smaller shall have a minimum of 24" backfill cover. Trenches shall maintain a uniform constant depth over the length of the trench.
3. All changes in direction of 4" or greater PVI also must be clearly marked.

LEGEND	
	TREE
	MANHOLE
	PIPELINE
	EXISTING MANHOLE
	EXISTING PIPELINE
	CONCRETE STRUCTURE
	AIR VENT
	MANUAL VALVE
	ELECTRIC PUMP
	WELL
	FLASHBOARD
	AIR VENT
	TRENCH SECTION
	BLOCK NUMBER

PRELIMINARY PLAN
Design has been based on information given.
Actual results may vary.

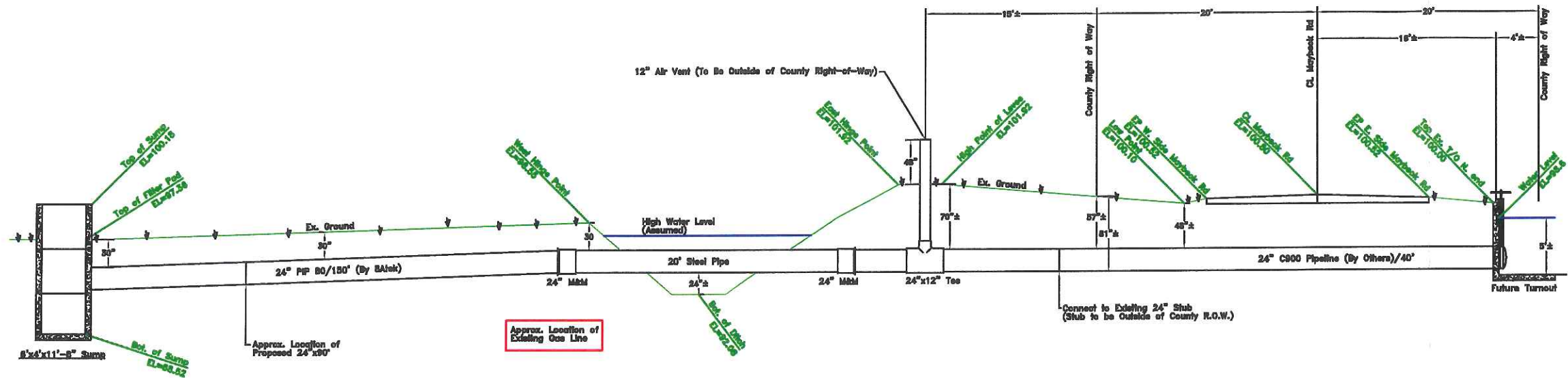
Waterford Irrigation Supply, Inc.

12500 Bentley
Waterford, Ca. 95386
(209) 874-1386

East Drain Crossing

Irrigation Design For:
Sivakumar Munnangi
Maybeck Road
Stockton

Scale: N/A 2 of 2



East Drain Crossing

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- Notes:**
1. Materials. All materials and subgrade shall be a minimum of class 100 or class 125 pressure rating. Velocities shall not exceed 5 fps. Air vents shall be placed at all high points along mainline.
 2. Installation. All manholes 5' or larger shall have a minimum of 30" backfill cover. All manholes 4' or smaller shall have a minimum of 24" backfill cover. Trenches shall maintain a uniform constant depth over the length of the trench.
 3. All changes in direction of 4" or greater PVC also must be fitted blocked.

PRELIMINARY PLAN
Design has been based on information given. Actual line could vary.

LEGEND	
	TIE
	SPUR/BRANCH
	MAINLINE
	EXISTING MAINLINE
	DRAINAGE
	CONCRETE PIPELINE
	AUTOMATIC VALVE
	MANUAL VALVE
	BACKFLOW PREVENTER
	WELL
	FLOODGATE
	AIR VENT
	FLOW DIRECTION
	BLOCK BARRIER

Waterford Irrigation Supply, Inc.
12500 Bentley
Waterford, Ca. 95386
(209) 874-1386

East Drain Crossing

DATE	DESIGNED BY	CHECKED BY	APPROVED BY	DATE
2/6/2019	DK	DK	DK	2/6/2019
2/6/2019	DK	DK	DK	2/6/2019
2/6/2019	DK	DK	DK	2/6/2019
2/6/2019	DK	DK	DK	2/6/2019

Irrigation Design For:
Sivakumar Munnangi
Maybeck Road
Stockton

Scale: N/A 1 of 2

Drawn By: KZ Salesman: DK Date: 2/6/2019