



# 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-1401611  
Date Issued: 06/22/2017  
Start Date: 07/01/2017  
Exp. Date: 12/31/2018  
Project No: PWP760524  
Quad: SW

## ENCROACHMENT PERMIT

To: CITY OF TRACY  
333 CIVIC CENTER PLAZA  
TRACY, CA 95376

RIDER # 1  
Date 4/20/18

### Encroachment Type:

Trench			
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### Location:

CORRAL HOLLOW RD. BETWEEN SCHULTE RD. AND INTERSTATE 580

In compliance with your request of 06/06/2014, 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 and approved traffic control drawings. Inspection fee is a deposit for work performed on a Time and Material basis. Final billing will be based on actual costs.*****Add Additional Conditions for the intersections of Chrisman Rd./Linne Rd. and Lammers Rd./Schulte Rd.*****
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FORMS: 

SS/WW, R-29		
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Est. Permit Fee: \$43,000.00

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

for 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.

REVISED  
SPECIAL CONDITIONS FOR  
ENCROACHMENT PERMIT

1. The contractor shall schedule inspection and testing of all backfill and paving operations within the County right-of-way. The contractor shall notify the County inspector a minimum of 24 hours in advance.
2. 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, traffic shall be detoured per the approved traffic control drawings, or two-way traffic control shall be maintained with one lane open and appropriate flaggers.
3. The County shall be notified a minimum 2 weeks in advance of any lane/road closures requiring detours per Contract Drawings T9 – T11.
4. The following agencies shall be notified in writing in advance of planned closures and the corresponding detours:
  - California Highway Patrol
  - San Joaquin County Sheriff's Department
  - Tracy Police Department
  - Lifecom (emergency dispatch)
  - Tracy Rural Fire District
  - Tracy Unified School District
  - United States Post Office
5. 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.
6. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
7. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
8. All destroyed or obliterated pavement markings 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.
9. Trench plates shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
11. All trenches shall be completely backfilled or shored and plated at the end of each workday, and where a closure is not in place, the roadway restored to two-way traffic.

12. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 4-feet wide.
13. 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.
14. Road areas subject to pavement cuts shall receive a minimum (1)-inch asphalt concrete overlay as per San Joaquin County Improvement Standards Section 2-5.0 Trench Cut Policy.
15. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31, without prior authorization from the San Joaquin County Field Engineering Division. Contact them at 209-953-7421.
16. 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.
17. The contractor shall not conduct construction operations in rain or heavy fog conditions.
18. 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)

**Chrisman Road/Linne Road Intersection Crossing Guard and Temporary Traffic Signal  
Conditions**

19. City shall amend the signal timing according to Kimley Horn's study to account for the added traffic. This must be done prior the closure of Corral Hollow Rd. The timing must reflect time of day only for the identified peak hour(s) am and pm.
20. One to two weeks after the detour has been in place, the City shall make another count to assess traffic flow and submit to Kimley Horn for a revised signal timing analysis.
21. Signal timing shall address PM critical movement (NB-Left) and non-critical AM movement (EB-right).
22. City shall provide flagging at the intersection as deemed necessary by County during peak hours.
23. Crossing guards shall be provided by the City to control traffic during peak school hours. This condition must be fulfilled at all times when school is in session.



24. All signal timing shall be coordinated with County's Electrical Contractor, Bear Electric. City shall pay for signal timing to Bear Electric. Billing shall be handled directly between Bear Electric and the City.
25. County reserves the right to require the City to perform additional counts in the future during Corral Hollow Rd closure as deemed necessary for the purpose of amending the signal timing at Chrisman/Linne and Schulte/Lammers.

**Lammers Road/Schulte Road Intersection Crossing Temporary Traffic Signal Conditions**

26. Utilize advance flashing beacon after each CMS. Supplement beacon with W3-3 sign. Beacon distance shall be 450' from the signal. CMS distance shall be 800-1000' from signal.
27. The number of heads needed for each phase shall comply with MUTCD.
28. Timing shall be programmed to accommodate school peak traffic.
29. Signal standards shall be adequately placed to clear both vertical and horizontal truck turning movements.
30. Twenty-four hour monitoring shall be implemented by the City of Tracy (City). Responses to signal knock downs, service outages, or vandalized equipment shall be placed on priority call by the City.
31. Emergency pre-emption device shall be utilized. (City) Fire shall be allowed to perform tests prior to full activation.

**NOTE:**

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1. True presence video detection is preferred to optimize timing due to changing traffic pattern.



TCP #001a

Use Detour Route  
XX/XX/XX-XX/XX/XX  
Road Closed Ahead

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

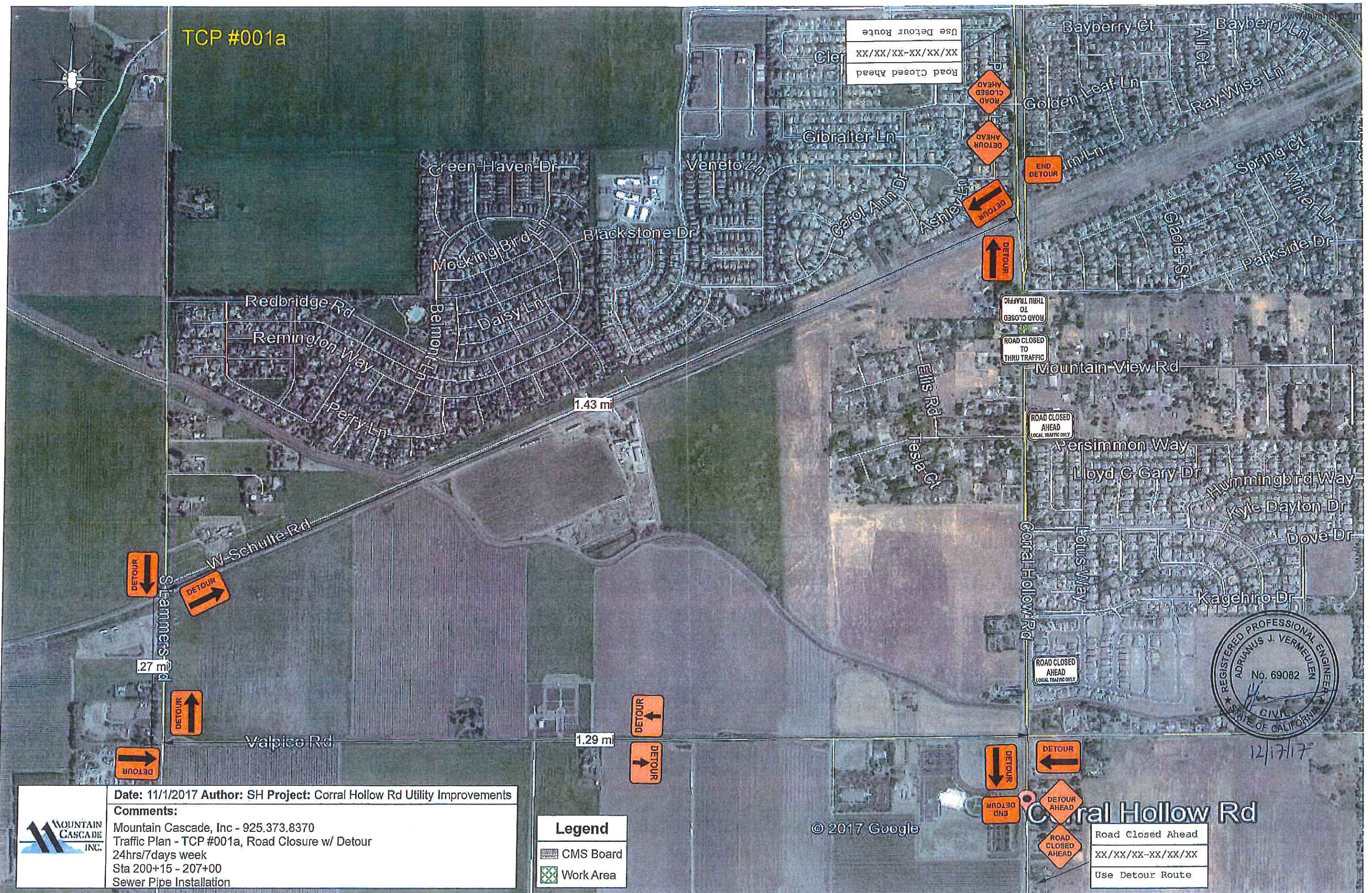
**Legend**  
 CMS Board  
 Work Area

**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements  
**Comments:**  
 Mountain Cascade, Inc - 925.373.8370  
 Traffic Plan - TCP #001a, Road Closure w/ Detour  
 24hrs/7days week  
 Sta 200+15 - 207+00  
 Sewer Pipe Installation



12/17/17

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TCP #002a



Use Detour Route  
XX/XX/XX-XX/XX/XX  
Road Closed Ahead

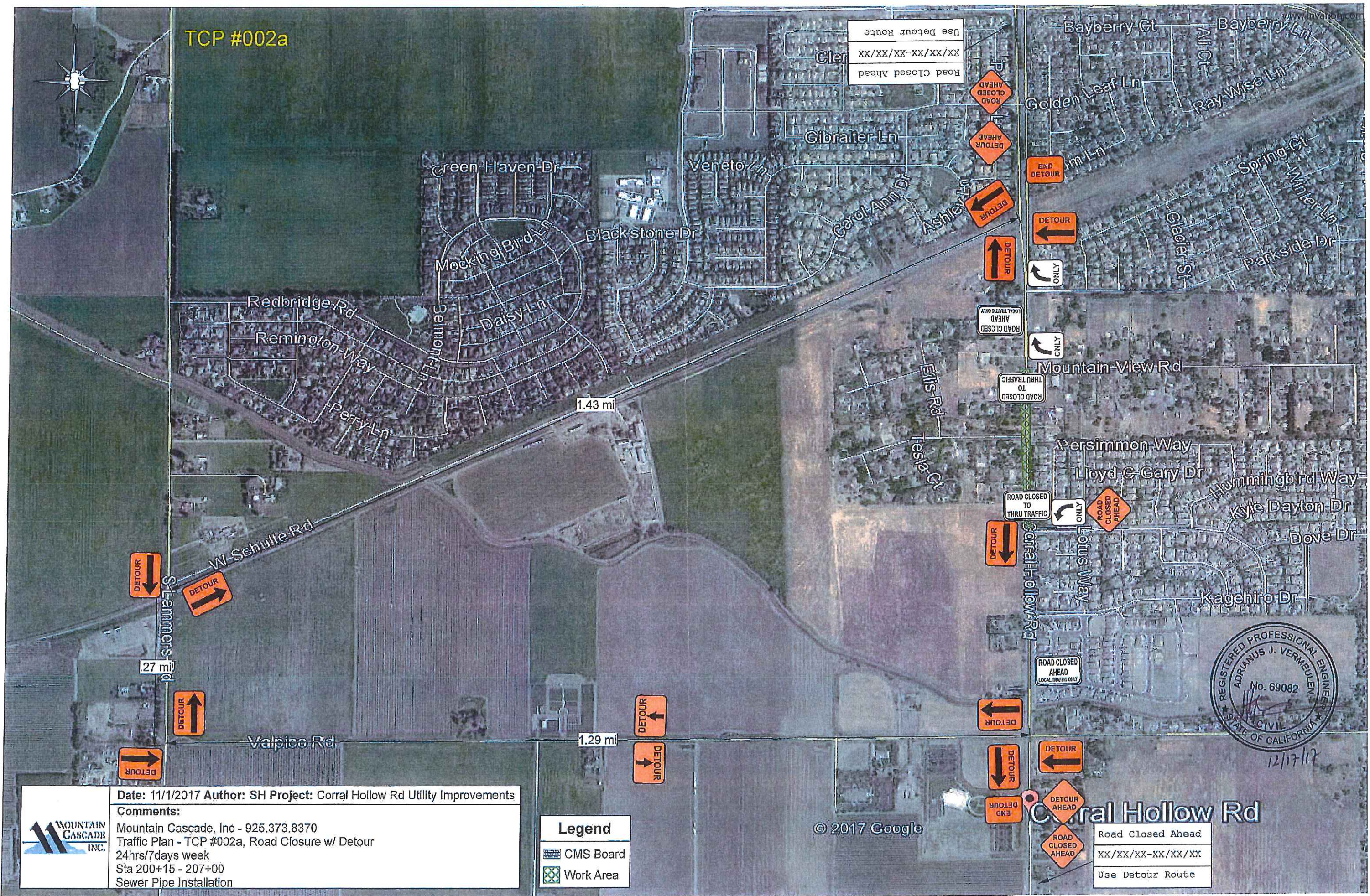


**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements  
**Comments:**  
 Mountain Cascade, Inc - 925.373.8370  
 Traffic Plan - TCP #002a, Road Closure w/ Detour  
 24hrs/7days week  
 Sta 200+15 - 207+00  
 Sewer Pipe Installation

**Legend**  
 CMS Board  
 Work Area

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Road Closed Ahead  
 XX/XX/XX-XX/XX/XX  
 Use Detour Route





TCP #004a

Use Detour Route  
XX/XX/XX-XX/XX/XX  
Road Closed Ahead

DETOUR AHEAD  
ROAD CLOSED AHEAD  
END DETOUR  
DETOUR  
DETOUR

ROAD CLOSED AHEAD  
LOCAL TRAFFIC ONLY

DETOUR

ROAD CLOSED  
LOCAL TRAFFIC ONLY

ROAD CLOSED

DETOUR

DETOUR

END DETOUR

DETOUR AHEAD

ROAD CLOSED AHEAD

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

REGISTERED PROFESSIONAL ENGINEER  
ADRIANUS J. VERMEULEN  
No. 69082  
CIVIL  
STATE OF CALIFORNIA  
12/17/17

Legend

- CMS Board
- Work Area

Date: 11/1/2017 Author: SH Project: Corral Hollow Rd Utility Improvements

Comments:

Mountain Cascade, Inc - 925.373.8370  
Traffic Plan - TCP #004a, Road Closure w/ Detour  
Corral Hollow Rd (Kagehiro Dr to Valpico Rd), Tracy  
24hrs/7days week  
Sta 229+00 - 239+82  
Sewer Pipe Installation



DETOUR

DETOUR

DETOUR

DETOUR

DETOUR

DETOUR

DETOUR

DETOUR

Corral Hollow Rd

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Google Earth



Use Detour Route  
XX/XX/XX-XX/XX/XX  
Road Closed Ahead

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

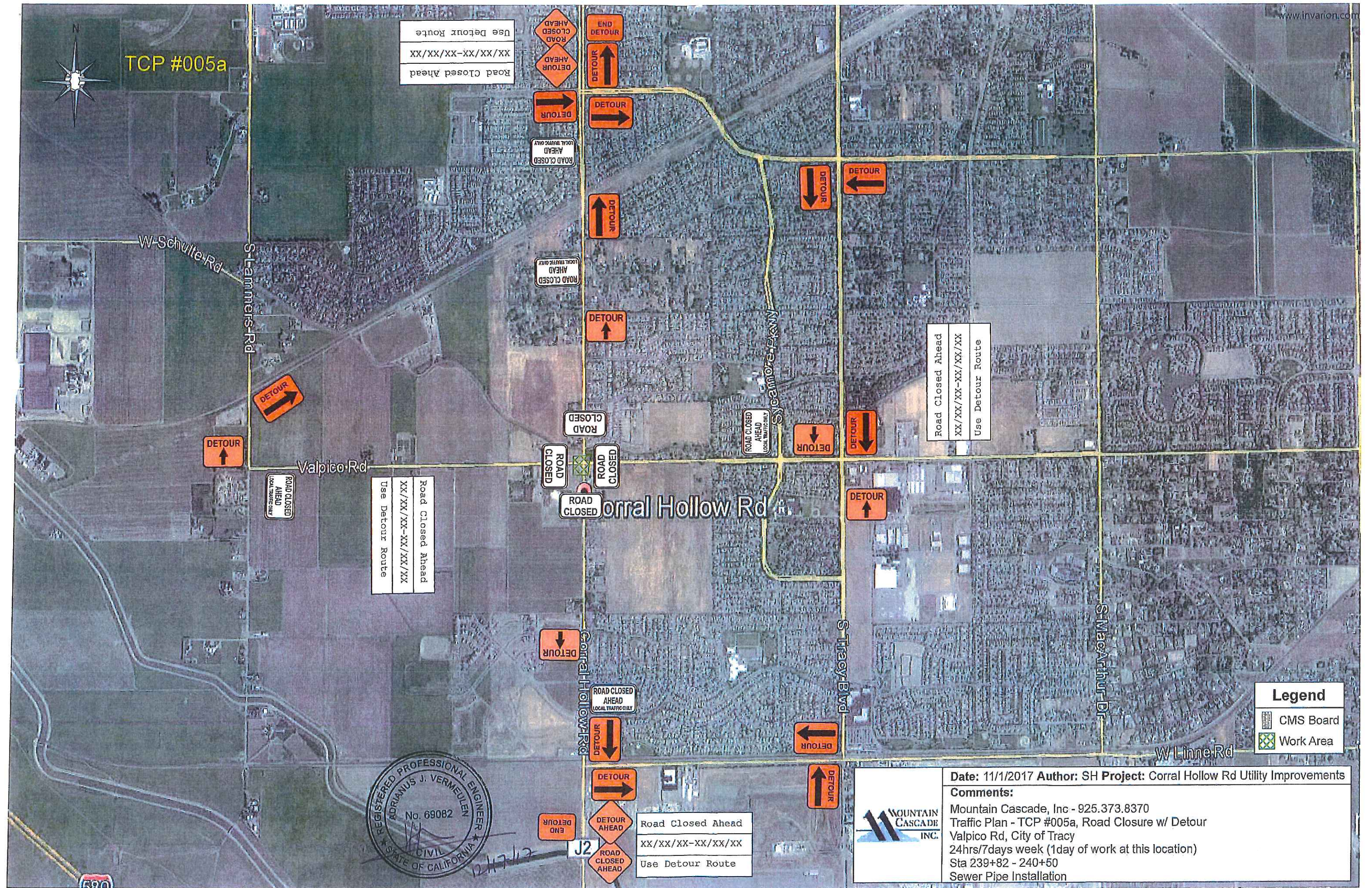
Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

**Legend**

- CMS Board
- Work Area

**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements

**Comments:**  
 Mountain Cascade, Inc - 925.373.8370  
 Traffic Plan - TCP #005a, Road Closure w/ Detour  
 Valpico Rd, City of Tracy  
 24hrs/7days week (1day of work at this location)  
 Sta 239+82 - 240+50  
 Sewer Pipe Installation





TCP #006a



Valpico Rd

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route



Corral Hollow Rd

1.0mi



Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route



**Legend**  
CMS Board  
Work Area



Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

1.0mi



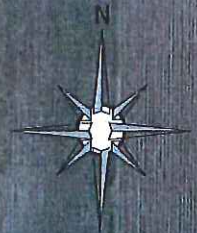
W Linne Rd

Google earth

**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements  
**Comments:**  
Mountain Cascade, Inc - 925.373.8370  
Traffic Plan - TCP #006a, Road Closure w/ Detour  
Corral Hollow Rd (Valpico to Peony Dr), Tracy  
24hrs/7days week  
Sta 240+50 - 269+75  
Sewer Pipe Installation







TCP #009a

Use Detour Route  
XX/XX/XX-XX/XX/XX  
Road Closed Ahead



Valpico Rd

Corral Hollow Rd



ROAD CLOSED  
AHEAD  
LOCAL TRAFFIC ONLY

ROAD CLOSED  
AHEAD  
LOCAL TRAFFIC ONLY

Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route

- Legend**
- CMS Board
  - Work Area

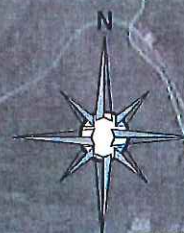


Road Closed Ahead  
XX/XX/XX-XX/XX/XX  
Use Detour Route



**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements  
**Comments:**  
Mountain Cascade, Inc - 925.373.8370  
Traffic Plan - TCP #009a, Road Closure w/ Detour  
W Linne Rd @ Corral Hollow Rd, Tracy  
24hrs/7days week  
Sta 294+00 - 295+00  
Sewer & Water Pipe Installation/Bore & Jack





2063

TCP #010a

Use Detour Route  
XX/XX/XX-XX/XX/XX/XX  
Road Closed Ahead

W Schulte Rd



END  
DETOUR

DETOUR



DETOUR



DETOUR

DETOUR



DETOUR

Vapico Rd

ROAD  
CLOSED  
AHEAD

ROAD  
CLOSED  
AHEAD



ROAD  
CLOSED

ROAD  
CLOSED

Road Closed Ahead  
XX/XX/XX-XX/XX/XX/XX  
Use Detour Route

END  
DETOUR



DETOUR

S Tracy Blvd

S MacArthur Dr

Lyoth

S Bird Rd

Alhamb Rd

33

West Side Fwy

5

Dunham Ferry Rd



DETOUR



DETOUR

Road Closed Ahead  
XX/XX/XX-XX/XX/XX/XX  
Use Detour Route

RAMP  
CLOSED  
AHEAD

RAMP  
CLOSED  
AHEAD

USE NEXT  
EXIT

USE NEXT  
EXIT

132

Vernalis Rd



DETOUR

END  
DETOUR

DETOUR



DETOUR



DETOUR



DETOUR

Coral Hollow Rd @ HWY580 off ramps closed  
per Caltrans Plan T-14.



**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements  
**Comments:**  
Mountain Cascade, Inc - 925.373.8370  
Traffic Plan - TCP #010a, Road Closure w/ Detour  
Corral Hollow Rd, Tracy  
24hrs/7days week  
Sta 295+00 - 305+00  
Sewer & Water Pipe Installation

**Legend**  
 CMS Board  
 Work Area

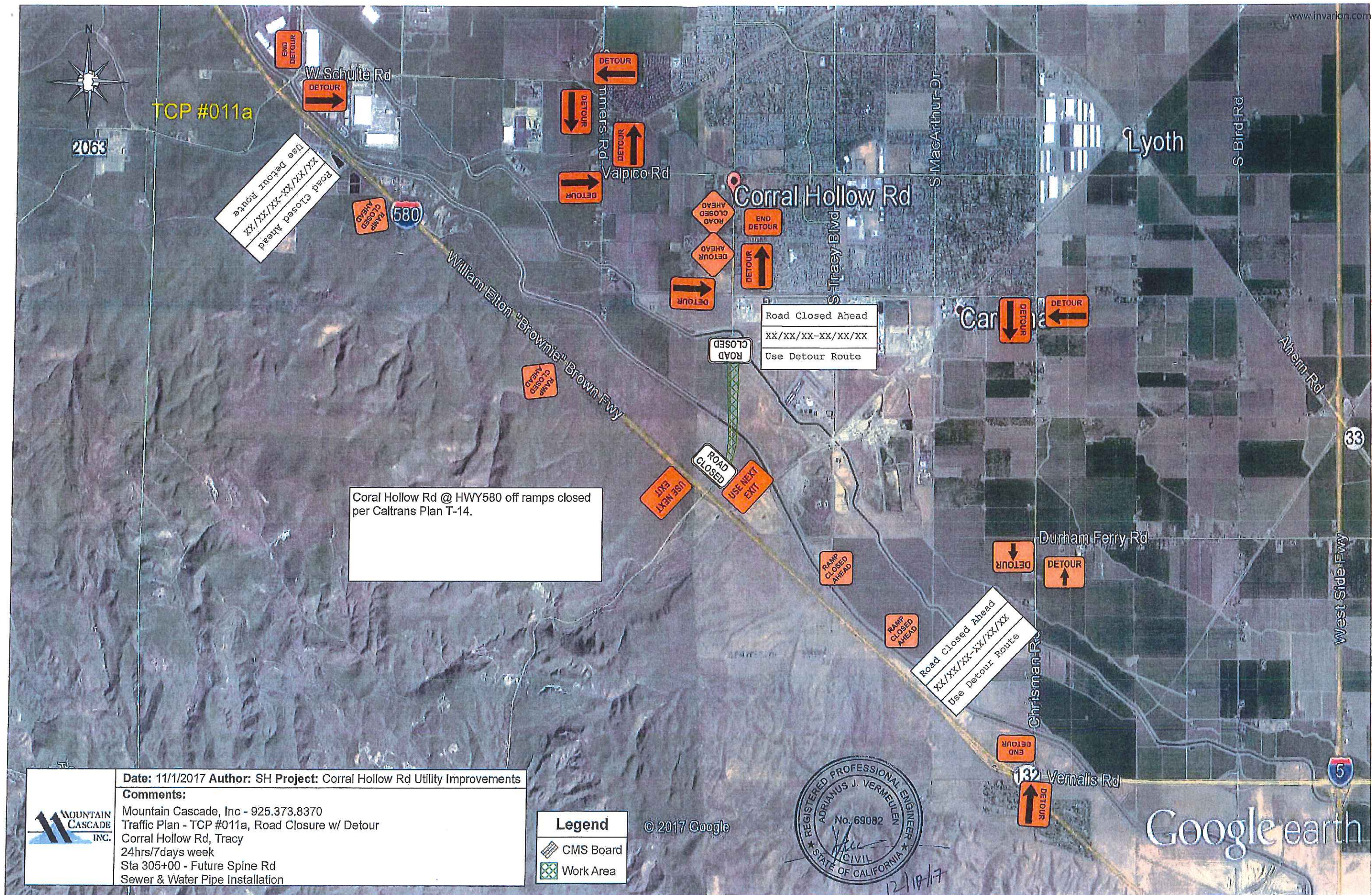
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12/17/17

Google earth





**Date:** 11/1/2017 **Author:** SH **Project:** Corral Hollow Rd Utility Improvements

**Comments:**  
Mountain Cascade, Inc - 925.373.8370  
Traffic Plan - TCP #011a, Road Closure w/ Detour  
Corral Hollow Rd, Tracy  
24hrs/7days week  
Sta 305+00 - Future Spine Rd  
Sewer & Water Pipe Installation

**Legend**

- CMS Board
- Work Area

