



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-1801569
Date Issued: 05/04/2018
Start Date: 05/04/2018
Exp. Date: 08/01/2018
Project No: PWP7110005
Quad: SE

ENCROACHMENT PERMIT

To: SEFNCO - CHRIS PERRY
5340 BRISA ST.
LIVERMORE, CA 94550

Encroachment Type:

Bell Hole	Bore (up to 12 inch Dia)		
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Location:

S/S MARIPOSA RD@STAGECOACH RD

In compliance with your request of **05/04/2018**, 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

FORMS: SS/WW, R-29

Est. Permit Fee: \$1,340.00

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.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 03/26/2018

To: San Joaquin County
Department of Public Works

SEFNCO/Jeremy Heusler
(Applicant Name)

544 Industrial Park Dr.
(Mailing Address)

Manteca, CA, 95337
(City, State, Zip Code)

(916)917-3340
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB # 110005 REF # _____
APN _____ CR # _____
EXP. DATE _____
VALID 5-4-18 TO 8-1-18 DRIVEWAYS: _____
STREET Mariposa _____
AREA Stockton QUAD SE _____
TYPE Bore _____
FORMS SSWWR29 _____
NOTES _____

Sketch (Detailed plans may be submitted)

SEE ATTACHED

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the SW side of E MARIPOSA RD approximately 0 feet/mile of STAGECOACH RD, by performing the following work (description of work):
PROJECT STARTS AT EXISTING POLE 545'SW OF C/L OF E MARIPOSA RD. AERIAL OVERLASH TO EXISTING POLE 97' SE OF STAGE-
COACH RD FOR A TOTAL OF 3956'. OVERPULL EXISTING CONDUIT TO EXISTING VAULT 3360'N OF C/L OF E MARIPOSA RD FOR A TOT-
AL OF 3443'. BORE TO ROW EXIT, INSTALL (1) 2" CONDUIT AND PULL CABLE THROUGH.

Work will commence on or about 04/23/2018 for approximately 4 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

03/26/2018

Date

Scope of work to Target address 2136 STAGECOACH RD

- Project starts at Existing Pole 545' SW of C/L of E Mariposa Rd. Aerial Overlash to Existing Pole 97' SE of Stagecoach Rd for a total of 3956'. Overpull existing conduit to Existing Vault 3360' N of C/L of E Mariposa Rd for a total of 3443'. Bore to ROW exit, Install (1) 2" conduit and pull cable through.
- We will not disturb any monuments we pass. Our path of travel will remain 10' from monuments.
- Our path of travel doesn't cross sanitary sewer lines.

BUILD:

- Bore footage: 0'
- Trench footage: 0'
- Bore Pits: 1
- Potholes: 0
- New B36 Vaults: 0
- Existing Vaults: 8
- New Pedestals: 0
- Existing Pedestals: 0
- Overpull Existing Conduit: 3443'
- Aerial Overlash: 3956'
- Total Project Footage: 7408'

CONTACTS

Jillian Harvey
Municipal & Utility
Department Manager
(925) 784-6005

Veronica Melendez
Permit Construction
Specialist
(925) 453-9135

LEGEND

- TITLE PAGE
- CD-0 Legend, General Notes & Abbreviations
 - CD-1 - 13 Layout Plans
 - TC-0 Traffic Control Legend & General Notes
 - TC-1 - 15 Traffic Control Plan
 - SD-1 Municipality Standards



CALIFORNIA REGION ENGINEERING AND CONSTRUCTION
3055 COMCAST PLACE, LIVERMORE, CA 94551

WORK
AREA

VICINITY MAP

SCALE: NONE



CITY OF STOCKTON, CALIFORNIA

THIS IS A COMCAST DOCUMENT, PROPRIETARY & CONFIDENTIAL		TITLE PAGE	
DESIGN: TRUENET	REV	DESCRIPTION	DATE
DRAWN BY: NP	0	ISSUED FOR PERMIT	3/5/2018
APPROVED:			
APPROVED:			

7666 Blanding Boulevard Jacksonville, FL 32244 (904) 777-9052		811 Know what's below. Call before you dig.		IMPORTANT NOTICE Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid For your Dig Alert I.D. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2800		PROJ#: 259721 CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT SYSTEM: CITY OF STOCKTON NODE: NONE	
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GENERAL NOTES

1. ALL GENERAL NOTES SHALL APPLY TO ALL DRAWINGS, PLANS AND DETAILS.
2. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA), AT LEAST 48 HOURS (AND NOT MORE THAN 14 DAYS) PRIOR TO THE START OF CONSTRUCTION BY CALLING (800) 227-2600.
3. CONTRACTOR SHALL POTHOLE/HAND DIG AND VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. ALL UTILITY LOCATIONS ON PLANS ARE APPROXIMATE, CONTRACTOR MUST VERIFY.
4. CONTRACTOR SHALL VERIFY ALL FOOTAGES ON SITE, PRIOR TO THE START OF CONSTRUCTION. ALL DIMENSIONS SHOWN ON PLANS ARE APPROXIMATE.
5. CONTRACTOR SHALL KEEP A COPY OF APPROVED PLAN(S) AND PERMIT(S) AT THE JOB SITE AT ALL TIMES AND PRESENT IT TO AN AUTHORIZED AGENT OF THE CITY OF STOCKTON AND/OR LAW ENFORCEMENT UPON REQUEST.
6. CONTRACTOR SHALL ENSURE THAT ANY EXISTING FACILITIES DAMAGED OR REMOVED SHALL BE REPLACED IN KIND OR BETTER, INCLUDING BUT NOT LIMITED TO REPLACING EXISTING STRIPING AND REMOVING UNNECESSARY "USA" MARKINGS.
7. CONTRACTOR SHALL WORK ONLY DURING APPROVED HOURS, UNLESS OTHERWISE APPROVED IN WRITING BY THE "CITY ENGINEER."
8. CONTRACTOR SHALL PERFORM ALL WORK AND TRAFFIC CONTROL IN ACCORDANCE WITH THE CITY OF STOCKTON AND STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS, AND CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS AND MAINTENANCE OF HAZARD ZONE" AND "MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES" FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS. FLASHING ARROW SIGNS SHALL BE REQUIRED FOR ALL LANE CLOSURES.
9. CONTRACTOR SHALL ENSURE ALL WORK PERFORMED IS IN ACCORDANCE WITH REGULATIONS AND STANDARDS SET BY ANY AND ALL REGULATORY AGENCIES HAVING JURISDICTION AT THIS WORK SITE, INCLUDING BUT NOT LIMITED TO THE STATE OF CALIFORNIA PUBLIC UTILITY COMMISSION (CPUC), THE STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT (CAL OSHA), THE COUNTY OF SAN JOAQUIN AND THE CITY OF STOCKTON.
10. ALL WORK SHALL BE ACCESSIBLE AND SUBJECT TO INSPECTION BY CITY ENGINEER AND/OR AN AUTHORIZED AGENT OF COMCAST.
11. CONTRACTOR SHALL "RED-LINE" ALL LAYOUTS, PLANS AND DETAILS, ON THE DAY OF CONSTRUCTION AND SUBMIT A COMPLETE SET OF "AS-BUILT" PLANS TO COMCAST UPON COMPLETION OF THE PROJECT.
12. CONTRACTOR SHALL NOTIFY BUSINESS ESTABLISHMENTS/OWNERS AFFECTED BY THE WORK IN AT LEAST 72 HOURS IN ADVANCE OF CONSTRUCTION.
13. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS INSPECTOR 48 HOURS IN ADVANCE OF WORK COMMENCING.
14. LANE CLOSURES ARE PROHIBITED BETWEEN 6:00 AM TO 9:00 AM AND BETWEEN 3:30 PM TO 6:30 PM (3:00 PM OF FRIDAYS AND ON DAYS PRECEDING DESIGNATED LEGAL HOLIDAYS). NO LANE CLOSURES ARE PERMITTED ON WEEKENDS AND HOLIDAYS.

SYMBOLS

	NEW COMCAST POWER SUPPLY
	NEW COMCAST LOW PROFILE
	POWER SUPPLY W/ METER
	NEW COMCAST VAULT
	NEW COMCAST PEDESTAL
	BORE PIT
	POTHOLE
	NEW RISER ATTACHED TO POLE
	EXISTING POLE
	EXISTING COMCAST VAULT
	EXISTING COMCAST PEDESTAL
	EXISTING IRRIGATION VAULT
	EXISTING UTILITY VAULT/PEDESTAL
	GAS/WATER VALVE
	TREE/BUSHES
	TREE
	TRANSFORMER
	STREET LIGHT
	TRAFFIC SIGNAL COMBINATION
	FIRE HYDRANT
	MONUMENT
	CATCH BASIN
	STORM DRAIN MANHOLE
	WATER MANHOLE
	SANITARY SEWER MANHOLE
	SEWER CLEAN OUT
	ELECTRIC MANHOLE
	UNIDENTIFIED MANHOLE
	HAND HOLE
	WATER METER
	GAS METER
	PARKING METER

LINE TYPES

	PROPOSED TRENCH/BORE ROUTE
	PROPOSED OVERPULL ROUTE
	PROPOSED OVERLASH ROUTE
	EXISTING COMCAST ROUTE
	EXISTING TELEPHONE SYSTEM
	EXISTING ELECTRICAL SYSTEM
	EXISTING GAS SYSTEM
	EXISTING TV SYSTEM
	EXISTING IRRIGATION SYSTEM
	EXISTING JOINT TRENCH
	EXISTING SANITARY SEWER
	EXISTING STORM DRAIN
	EXISTING WATER LINE
	EXISTING FENCELINE
	ROADWAY CENTER LINE
	PROPERTY LINE
	FACE OF CURB
	ROW OF WAY LINE
	BUILDING

ABBREVIATIONS

COMCAST	PUE	PUBLIC UTILITY EASEMENT
ENTER LINE	SS	EXISTING STORM DRAIN
EXISTING	SS	EXISTING SANITARY SEWER
FACE OF CURB	T	EXISTING TELEPHONE
MINIMUM	W	EXISTING WATER
MAXIMUM	IRR	EXISTING IRRIGATION
CONDUIT	JT	EXISTING JOINT TRENCH
RIGHT OF WAY	G	EXISTING GAS
R/W	DW	DRIVEWAY
PL		PROPERTY LINE

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3805 COMCAST PLACE LIVERMORE, CALIFORNIA 94551

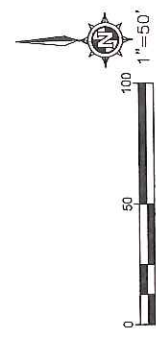
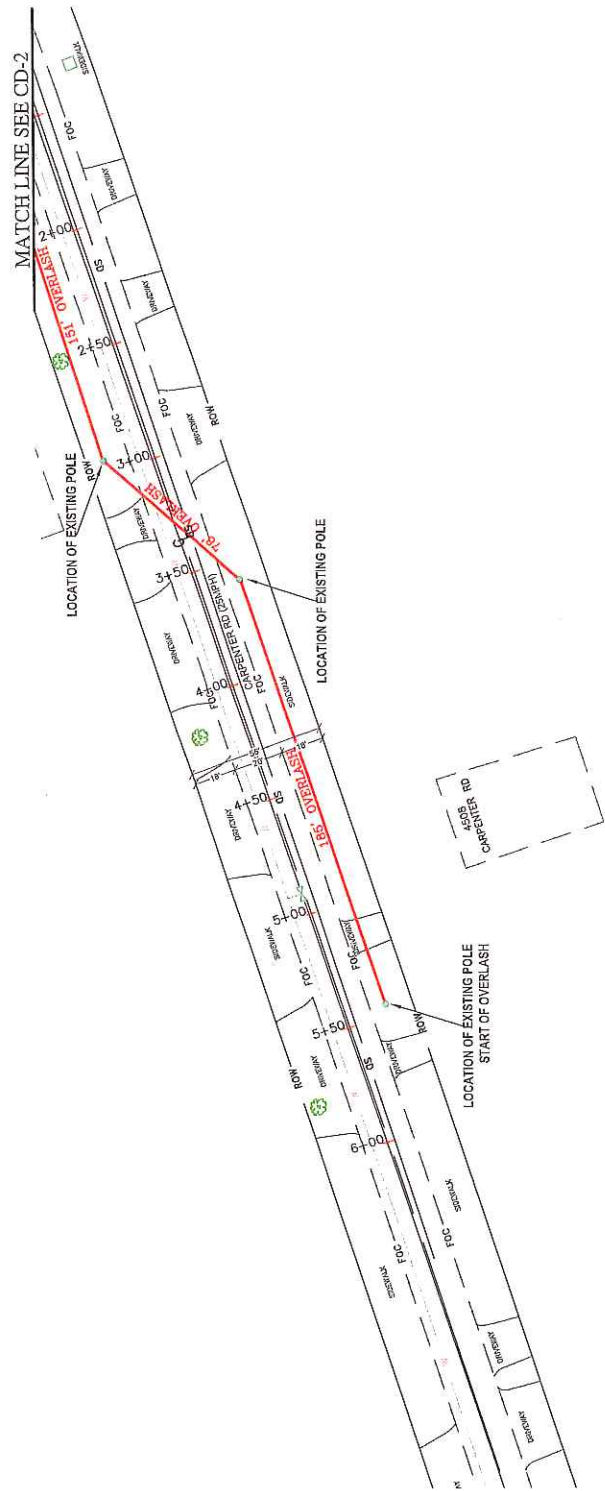


811
Know what's below.
Call before you dig.

IMPORTANT NOTICE
Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

LEGEND, GENERAL NOTES
2136 STAGECOACH RD
PROJ#:259721
CONSTRUCTION TYPE:BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-0

NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF
E MARIPOSA RD & CARPENTER RD.



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CALIFORNIA REGION ENGINEERING AND CONSTRUCTION
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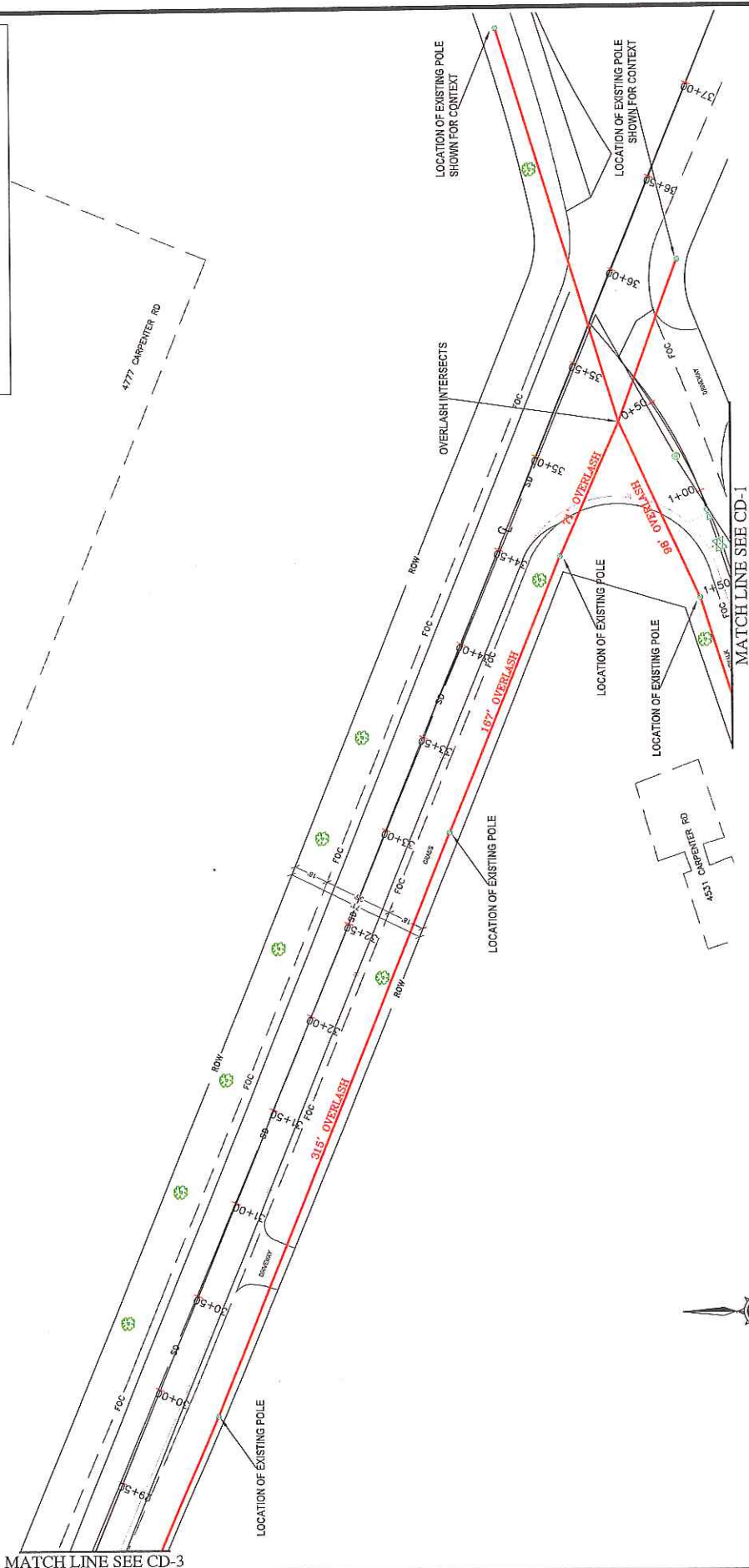
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LAYOUT PLAN 2136 STASECOACH RD
PROJ.#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-1

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LAYOUT PLAN
2136 STAGECOACH RD
PROJ# 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-2

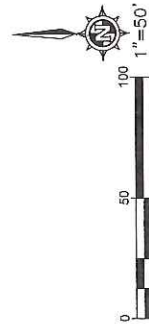
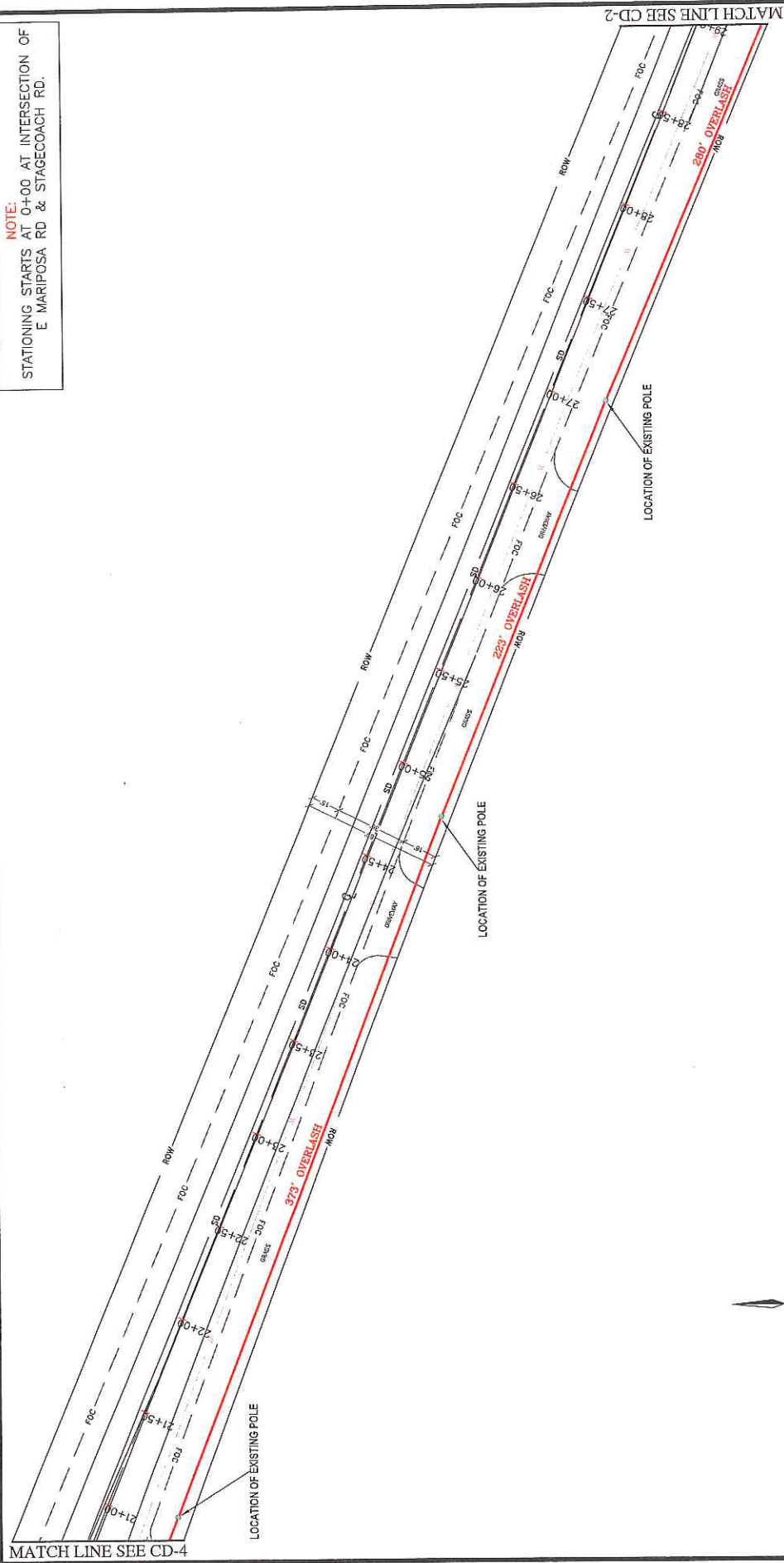
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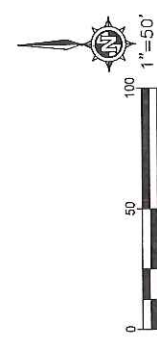
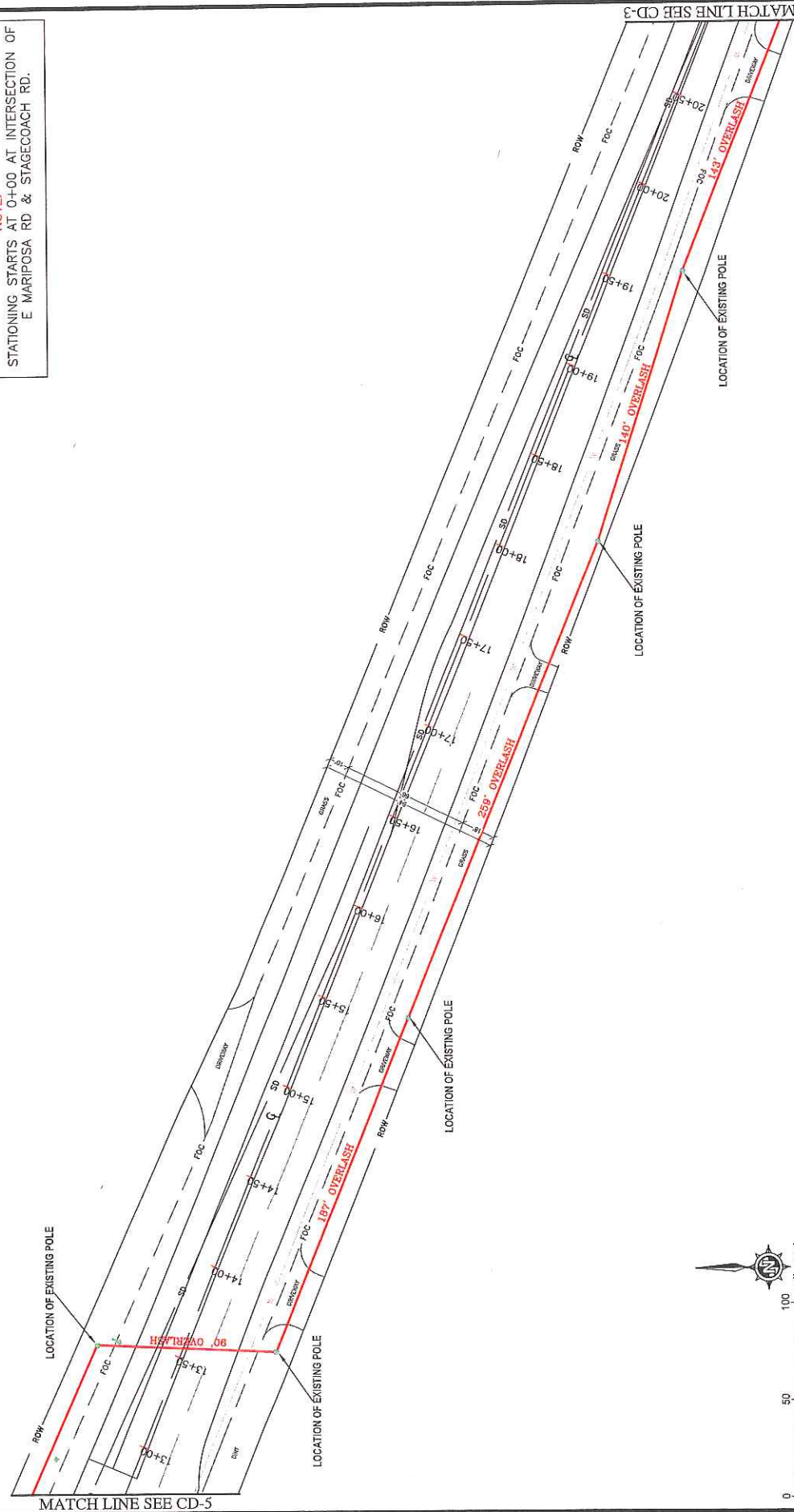
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1-800-227-2600

LAYOUT PLAN 2136 STAGECOACH RD	PROJECT: 259721	CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	SYSTEM: CITY OF STOCKTON	NODE: NODE	SHEET: CD-3
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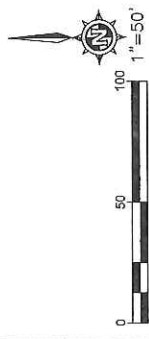


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1-800-227-2800

LAYOUT PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
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NODE: NODE
SHEET: CD-4

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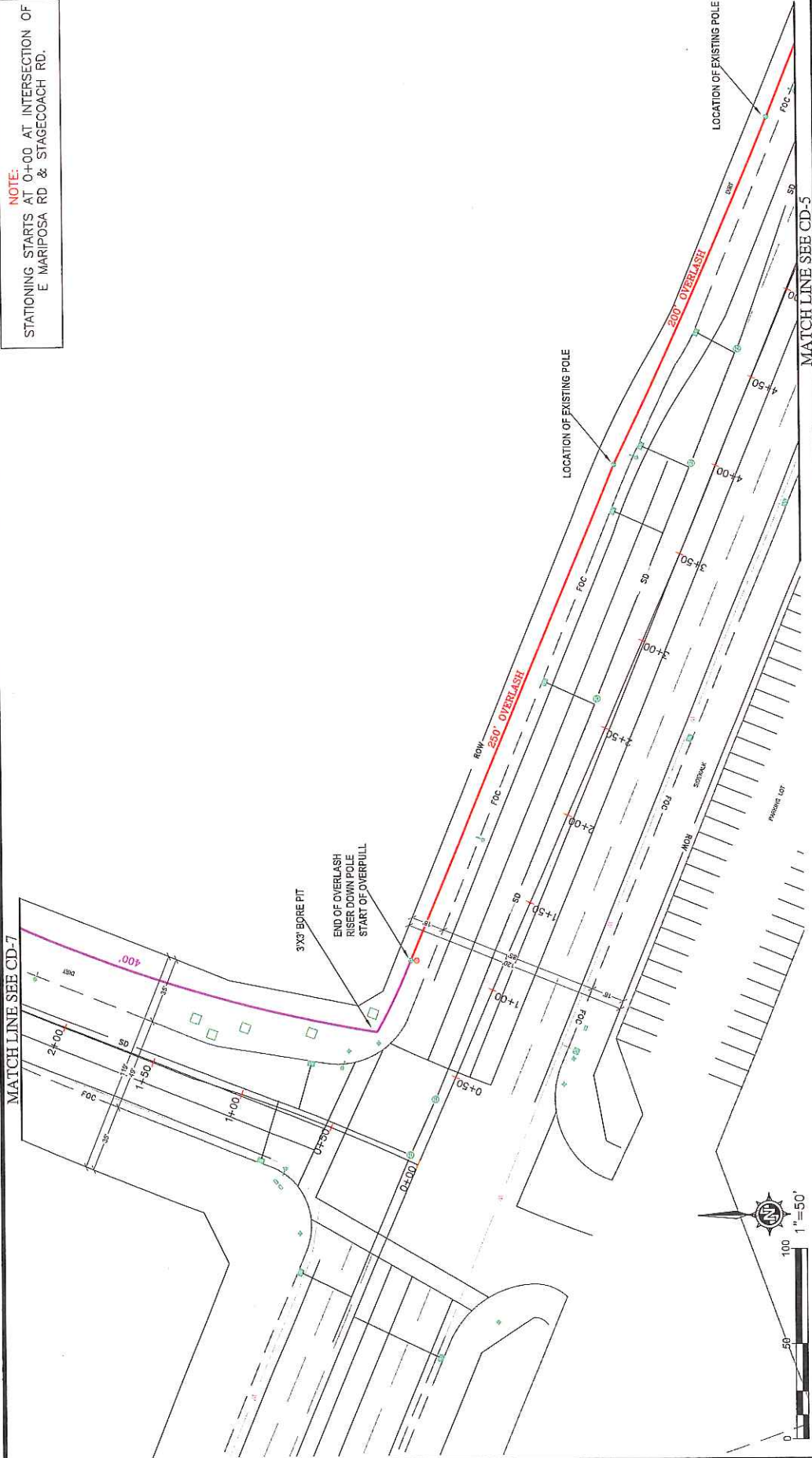
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LAYOUT PLAN 2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-5

NOTE:
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LAYOUT PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-5

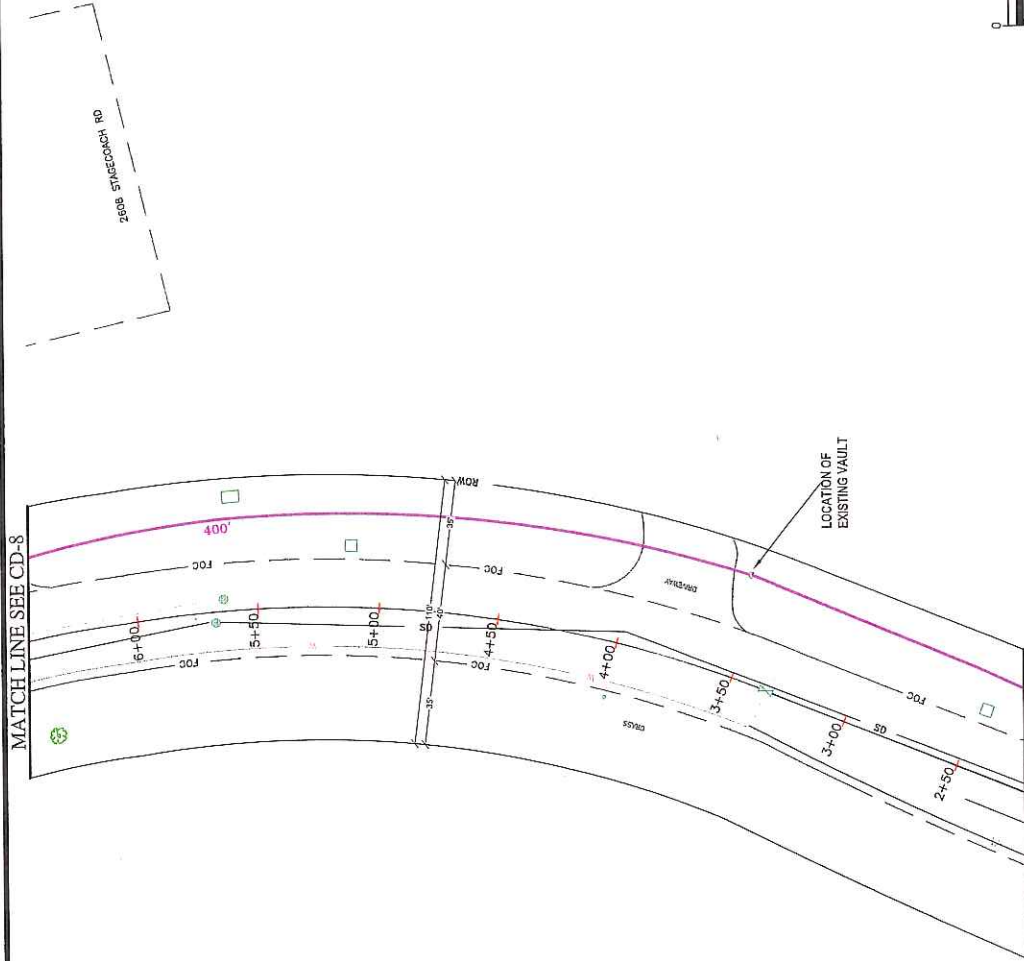
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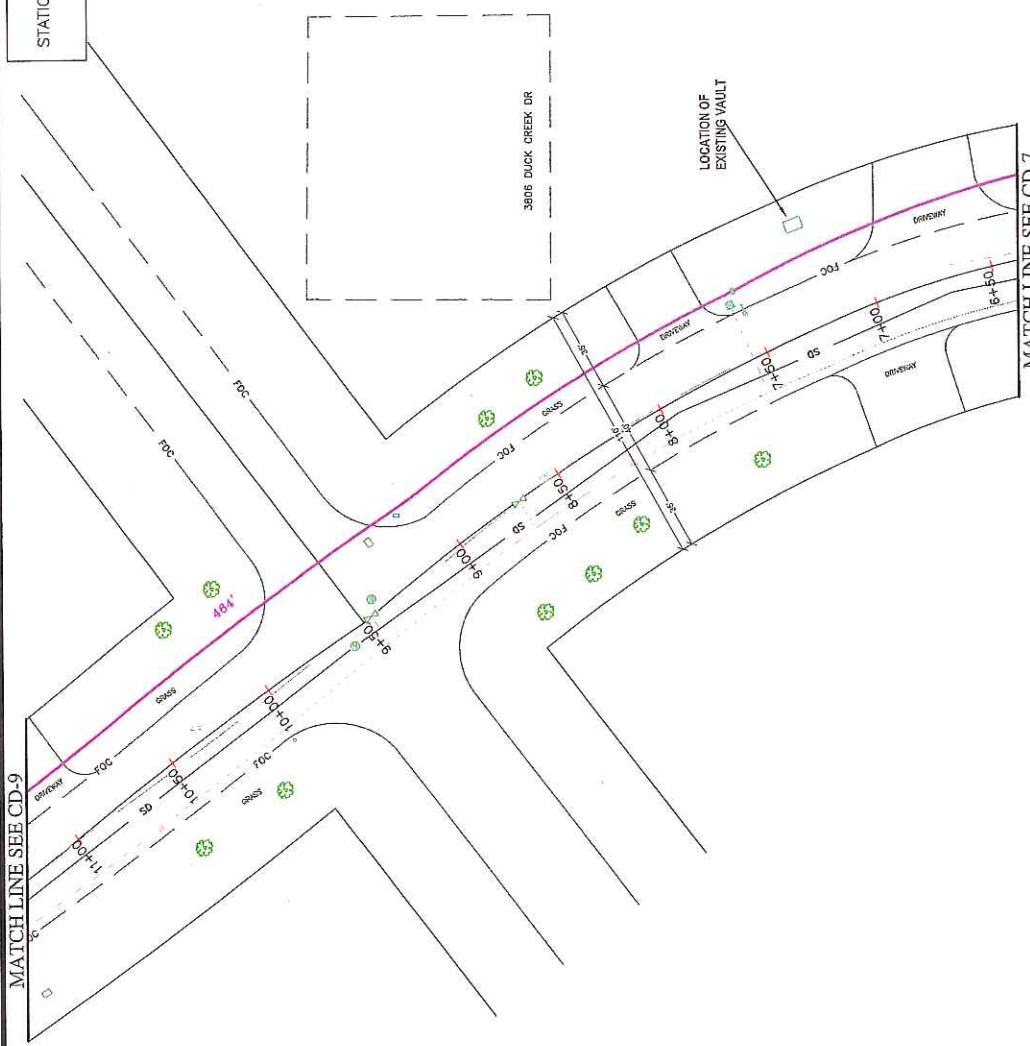
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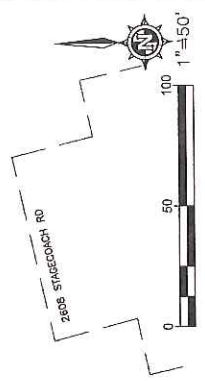
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LAYOUT PLAN 2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-7

MATCH LINE SEE CD-9



NOTE:
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MATCH LINE SEE CD-7

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3033 COMCAST PLACE LIVERMORE, CALIFORNIA 94551



IMPORTANT NOTICE
Section # 4216/4217 of the Government Code requires a
Dig Alert Identification Number to be issued before a
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CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2800

LAYOUT PLAN	2136 STAGECOACH RD
PROJ#: 259721	
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	
SYSTEM: CITY OF STOCKTON	
NODE: NODE	SHEET: CD-8

NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF
E MARIPOSA RD & STAGECOACH RD.



LAYOUT PLAN 2136 STAGECOACH RD
PROJ: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: CD-9

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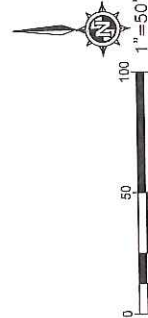
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MATCH LINE SEE CD-11

NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF
E MARIPOSA RD & STAGECOACH RD.



LAYOUT PLAN 2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NOTE: NODE
SHEET: CD-10

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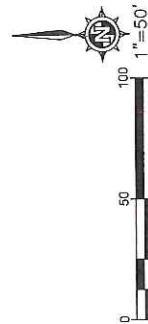
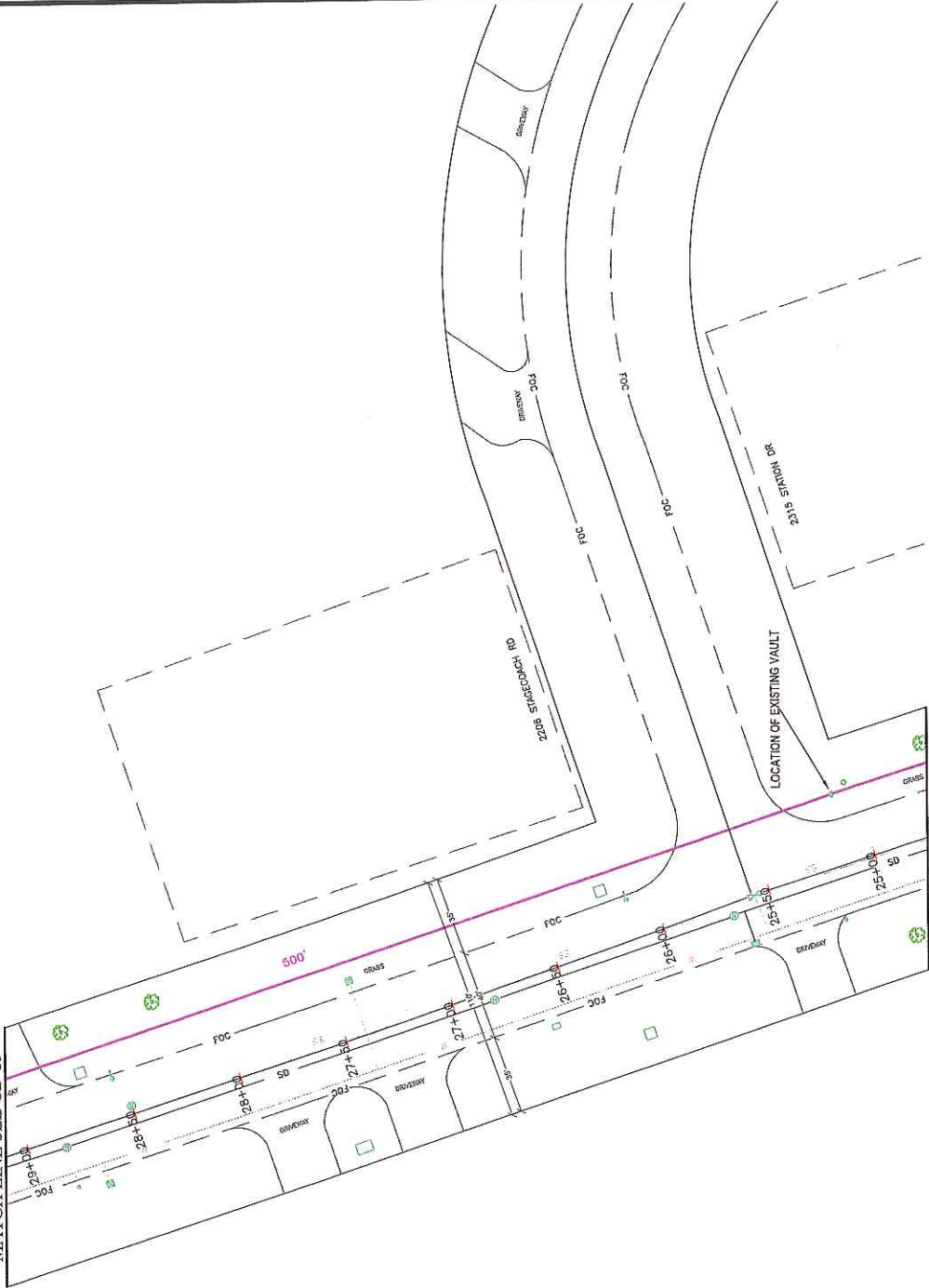
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LAYOUT PLAN 2136 STAGECOACH RD	PROJ#: 259721	CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	SYSTEM: CITY OF STOCKTON	NODE: NODE	SHEET: CD-11
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NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF
E MARIPOSA RD & STAGECOACH RD.

MATCH LINE SEE CD-13



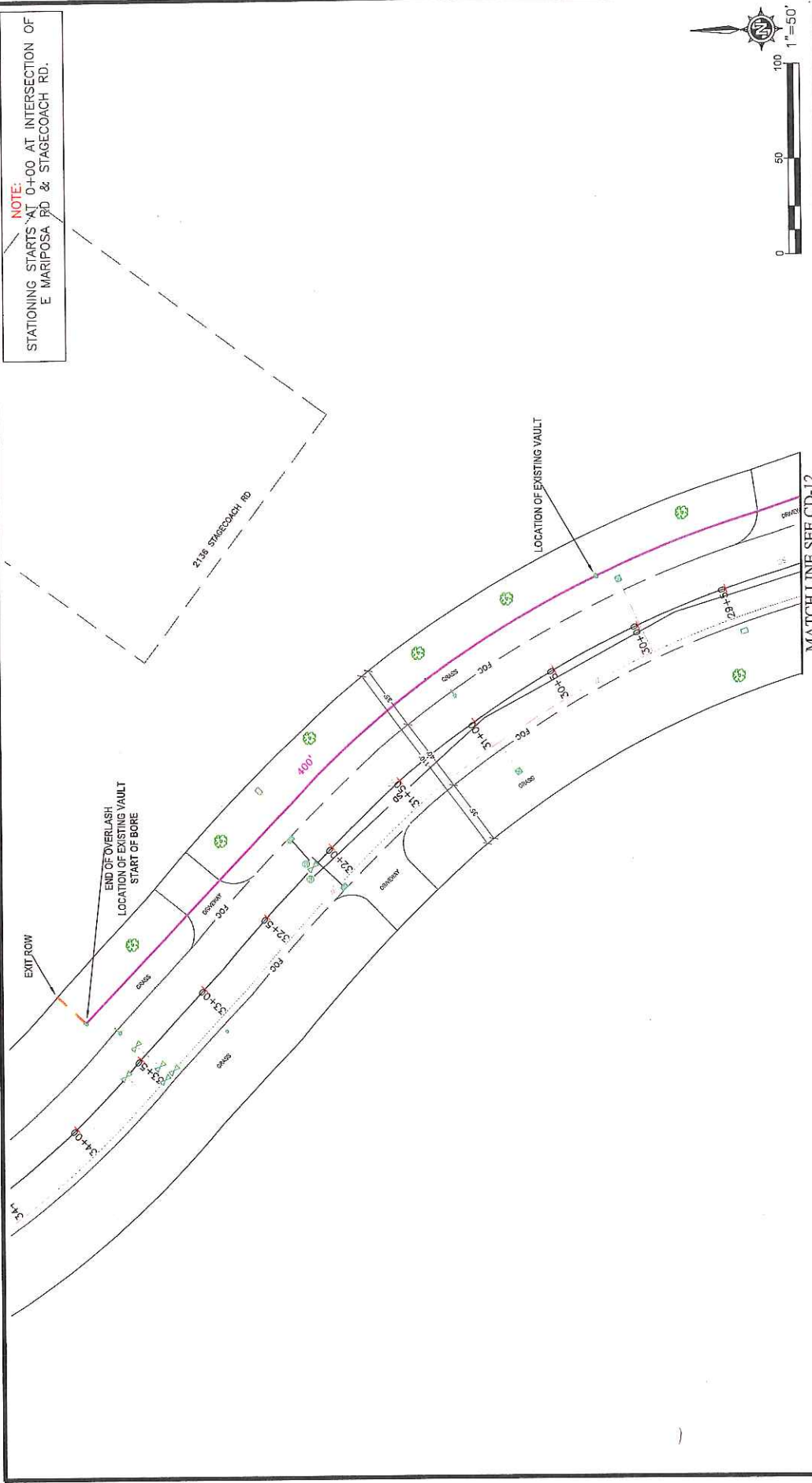
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Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid For your Dig Alert I.D. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

LAYOUT PLAN	2135 STAGECOACH RD
PROJ#: 259721	
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	
SYSTEM: CITY OF STOCKTON	
NODE: NODE	SHEET: CD-12



NOTE:
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LAYOUT PLAN	2136 STAGECOACH RD
PROJ#: 258721	
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	
SYSTEM: CITY OF STOCKTON	
NODE: NODE	SHEET: CD-13

TABLE A - RECOMMENDED ADVANCE WARNING SIGN SPACING:

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
URBAN (25 MPH OR LESS)**	100	100	100
URBAN (25 MPH TO 40 MPH)**	250	250	250
URBAN (MORE THAN 40 MPH)**	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-A THROUGH 6H-46. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGN. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

** POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR OTHER ANTICIPATED OPERATING SPEED IN MPH.

WARNING SIGNS AND GUIDE SIGNS:

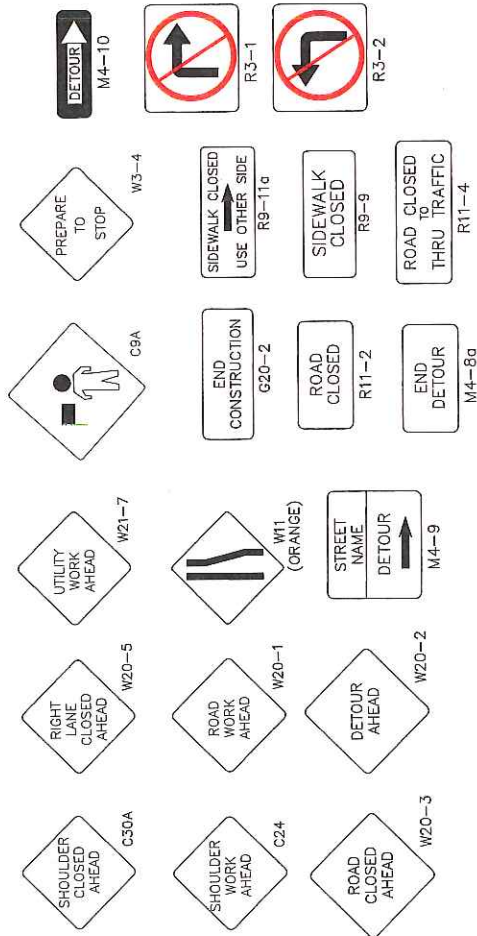


TABLE B - TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES:

SPEED (S) (MPH)*	MINIMUM TAPER LENGTH ** FOR WIDTH OF OFFSET 12 FT (W)			
	MERGING (L) (FT)	SHIFTING (L/2) (FT)	SHOULDER (L/3) (FT)	DOWN STREAM (FT)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50
75	900	450	300	50

* POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR OTHER ANTICIPATED OPERATING SPEED IN MPH.

** FOR OTHER OFFSETS USE THE FOLLOWING MERGING TAPER LENGTH FORMULA FOR L:
FOR SPEEDS OF 40 MPH OR LESS, $L = WS^2/60$
WHERE
L = TAPER LENGTH IN FT
W = WIDTH OF OFFSET IN FT
S = POSTED SPEED LIMIT.

*** MAXIMUM DOWNSTREAM TAPER LENGTH IS 100 FT.

LEGEND

• Traffic Cone or Delineator

Sign

Direction of Travel
(Not a pavement marking)

Flashing Arrow Sign (Where Required)
Refer to Page 7 of Caltrans manual
Type A, Type I, or Type II.

High Level Warning Device (Flagtree)
Barricade (For Excavation Only)
Refer to Page 12 of Caltrans manual
to select for Details on
Type I, Type II, or Type III.

Flagger

Work Vehicle

NOTES:

- All work shall be done in conformance with the latest edition of the "WATCH MANUAL & MUTCD" CALIFORNIA.
- Flagger will be used to control traffic at non-signalized intersections. Flagger will use 2 way radios when a 24' (min) roadway cannot be maintained.
- No Parking/Tow Away signs will be posted 48 hours in advance to clear work zone.
- All construction zone signs/directional signs will conform to Caltrans specs. Signs will be spaced 150 feet apart where applicable.
- Same traffic control plan will apply at other similar locations and opposite side of street.
- Use flag trees on all C-18/C-23 signs.

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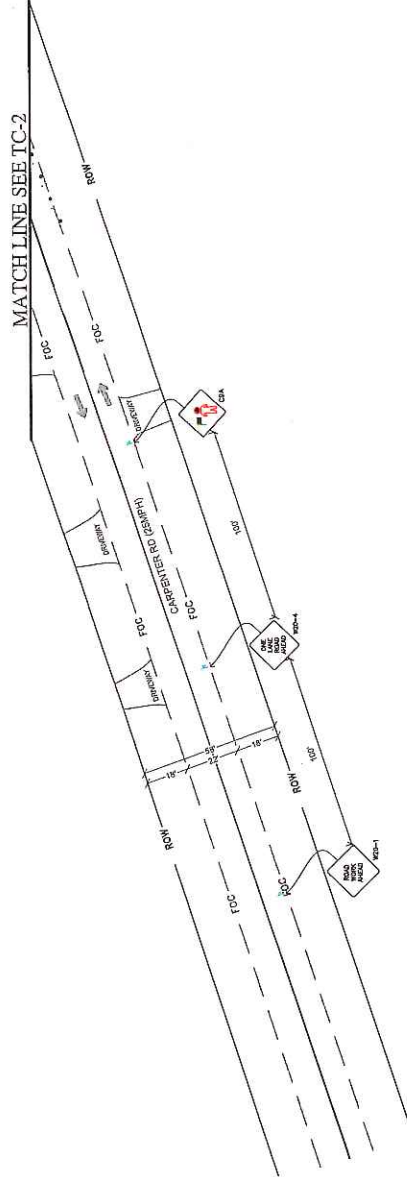
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TRAFFIC CONTROL LEGEND & GENERAL NOTES	
2136 STAGECOACH RD	
PROJ# 259721	
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	
SYSTEM: CITY OF STOCKTON	
NODE: NODE	
SHEET: TO-0	

NOTE:



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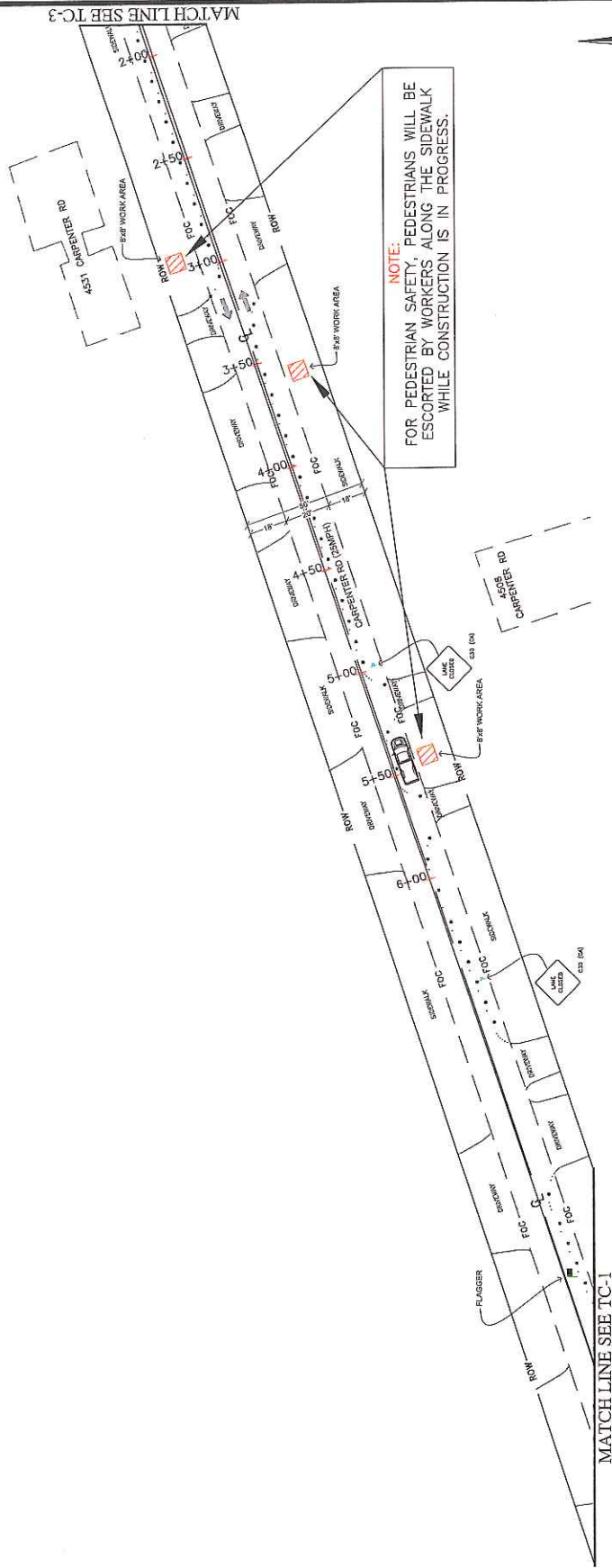


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ALL CONSTRUCTION AND GRADING OPERATIONS SHALL BE LIMITED TO WEEKDAYS (MONDAY THROUGH FRIDAY), 8:00 A.M. TO 5:00 P.M. ALL LANES SHOULD BE A MINIMUM OF 10' IN WIDTH AS MEASURED TO THE NEAR FACE OF CHANNELIZING DEVICES. DRIVEWAY ACCESS TO REMAIN OPEN AT ALL TIMES.

NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF E MARIPOSA RD & CARPENTER RD.



NOTE:
FOR PEDESTRIAN SAFETY, PEDESTRIANS WILL BE ESCORTED BY WORKERS ALONG THE SIDEWALK WHILE CONSTRUCTION IS IN PROGRESS.

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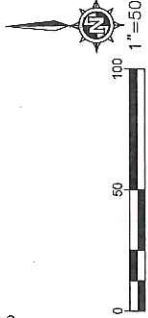
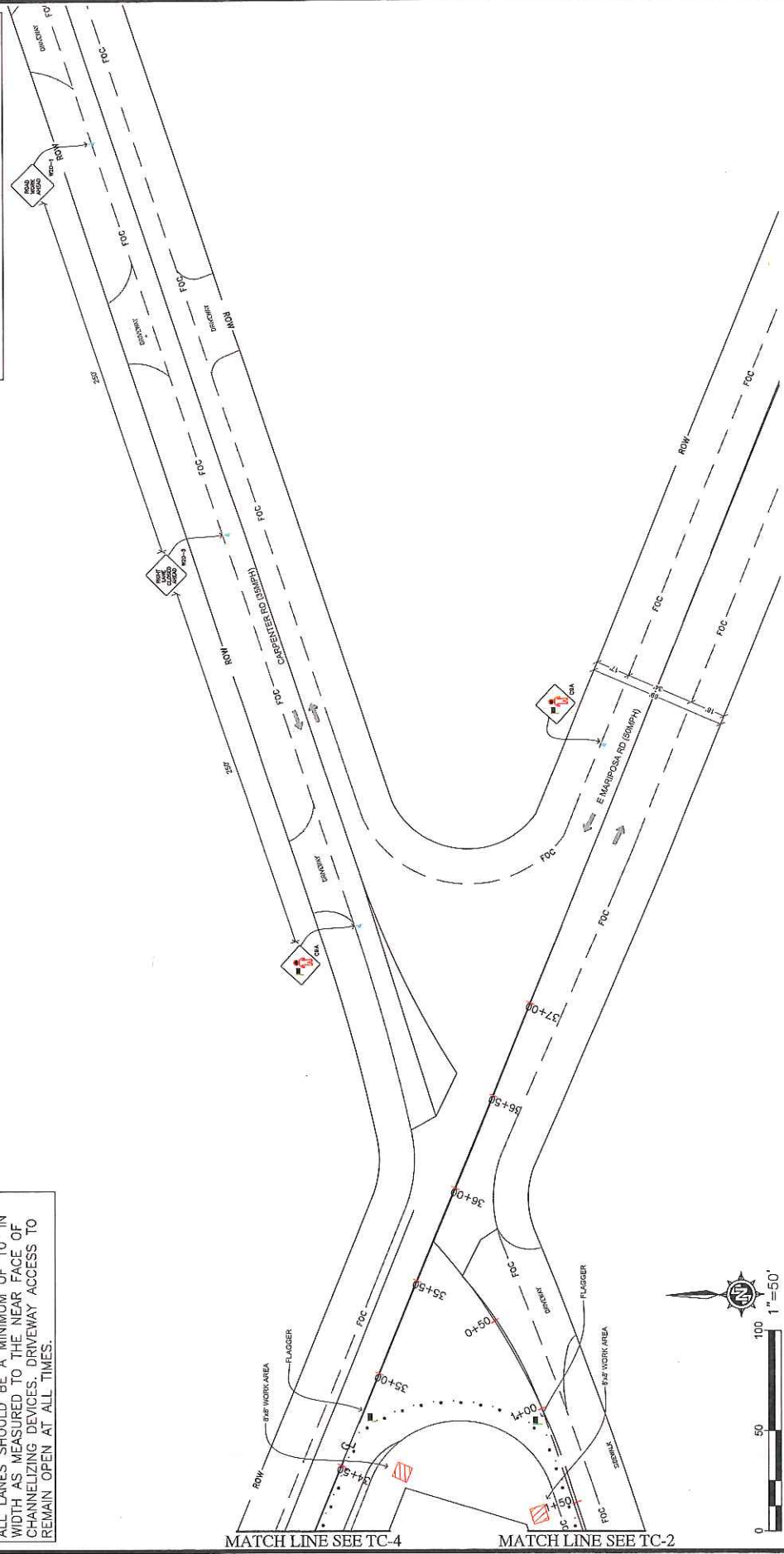
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TRAFFIC CONTROL PLAN	2135 STAGECOACH RD
PROJ#: 259721	
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	
SYSTEM: CITY OF STOCKTON	
NOTE: NODE	TO-2
SHEET:	TO-2

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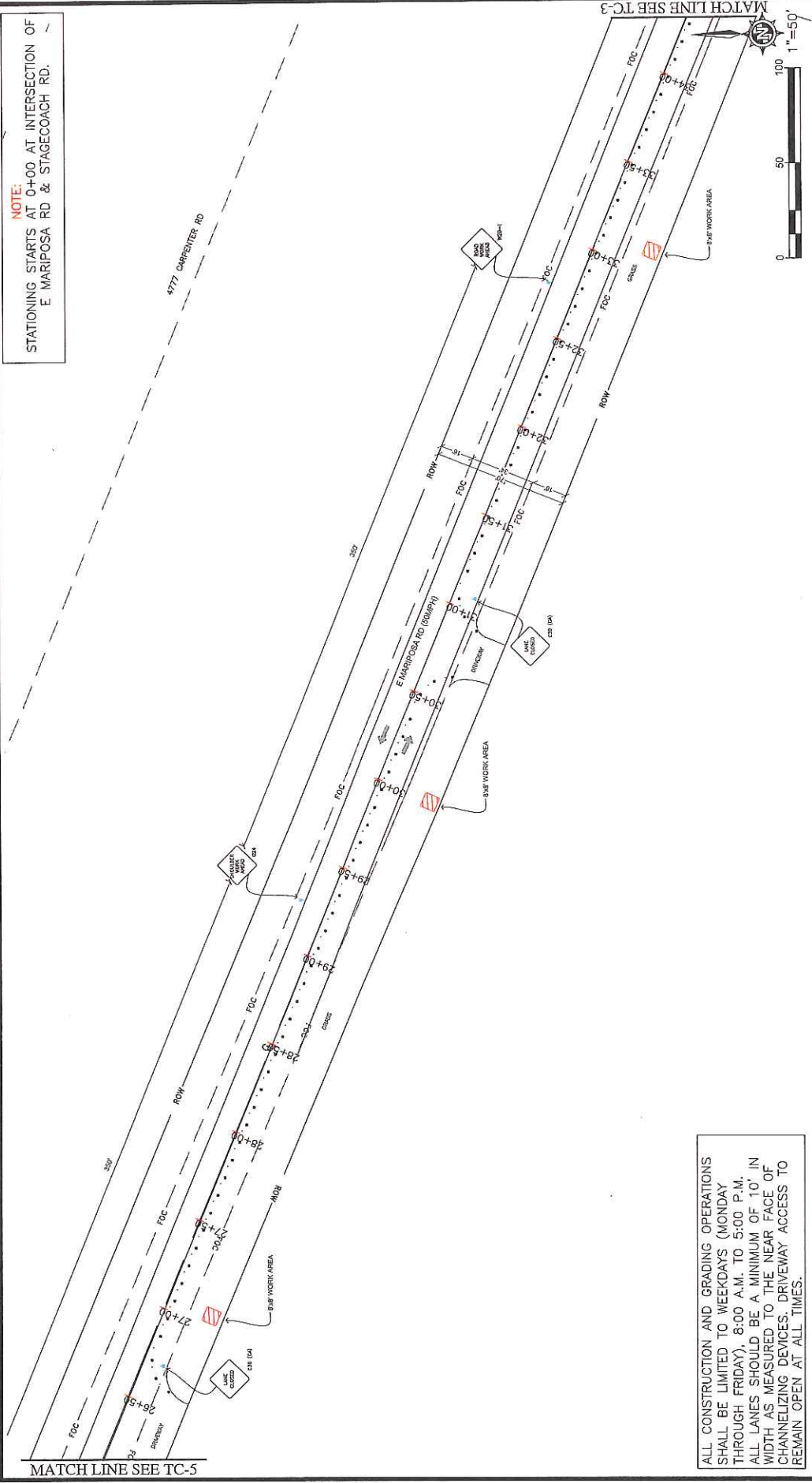
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TRAFFIC CONTROL PLAN 2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-3



NOTE:
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TRAFFIC CONTROL PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-4

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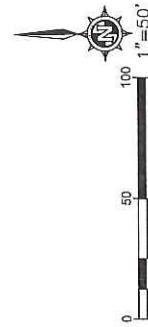
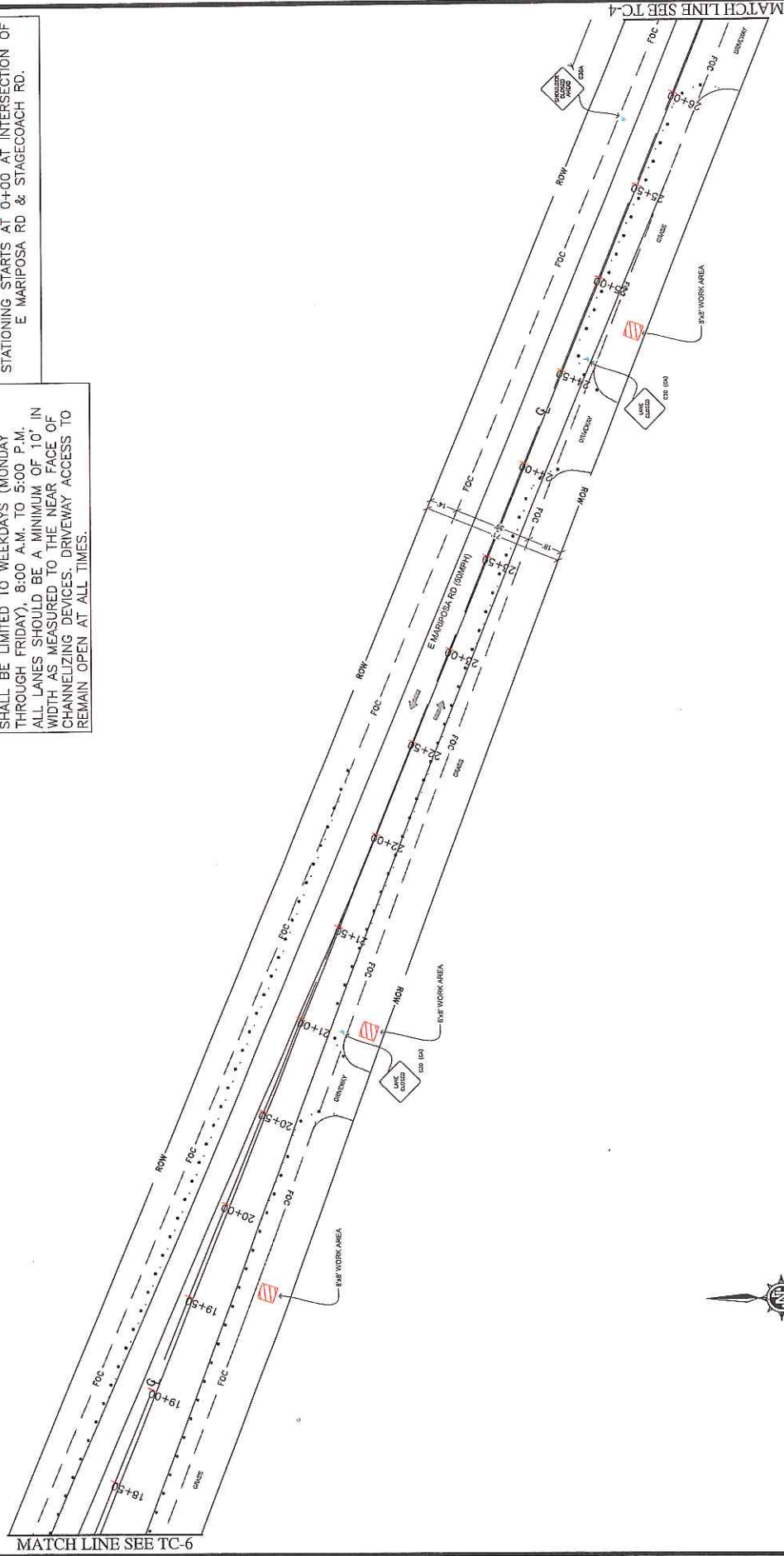
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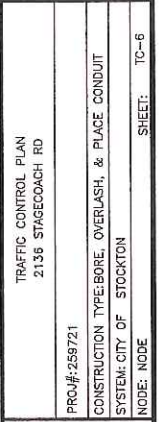


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TRAFFIC CONTROL PLAN
2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-5

NOTE:
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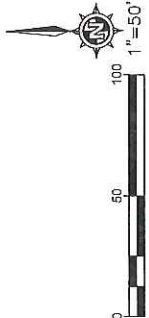
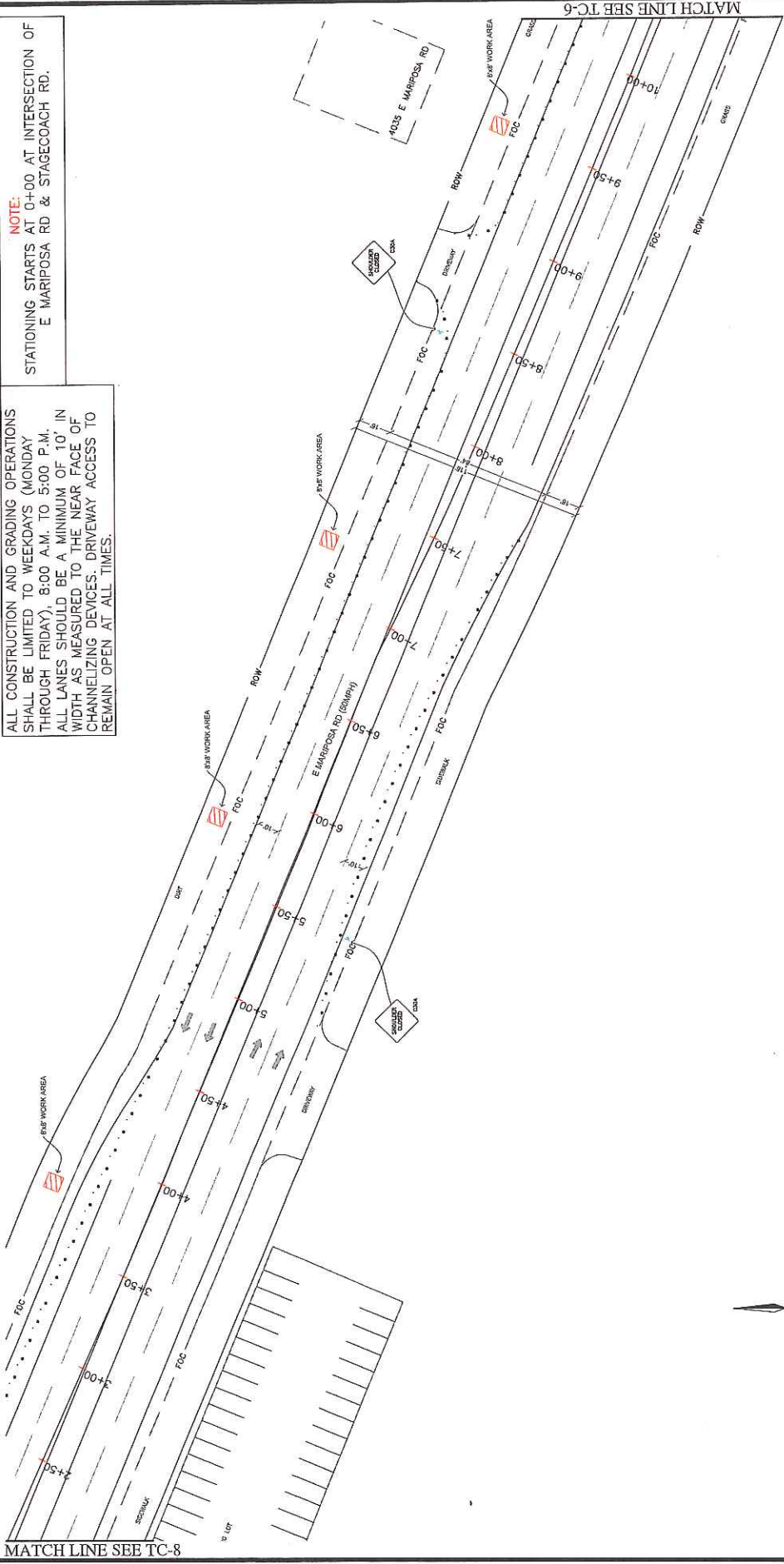
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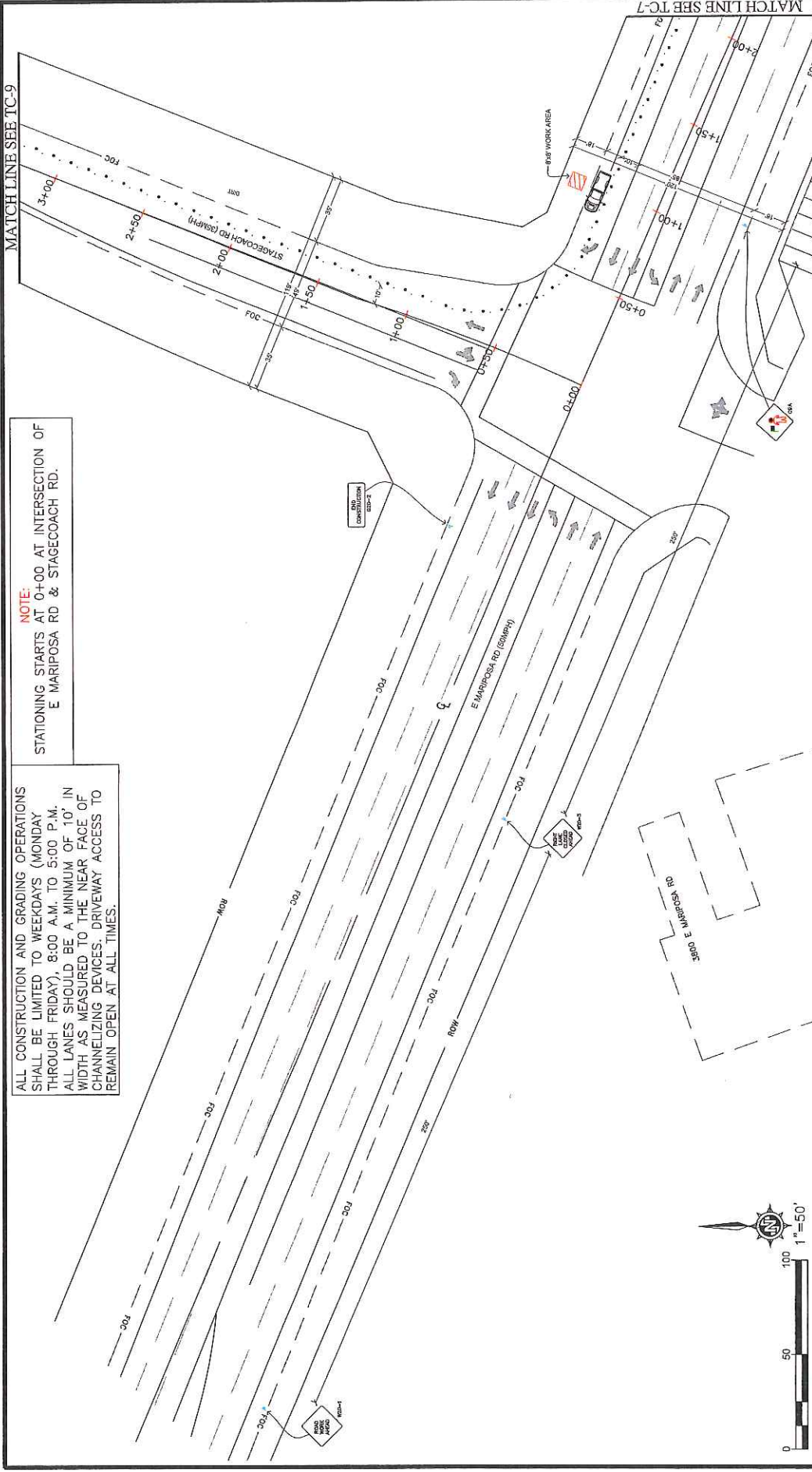
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TRAFFIC CONTROL PLAN 2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-7



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TRAFFIC CONTROL PLAN
2155 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NOTE: TC-8

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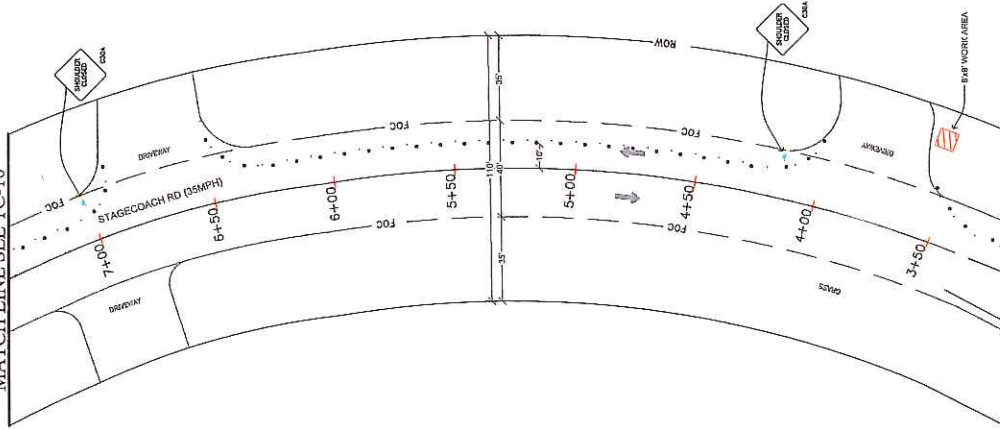
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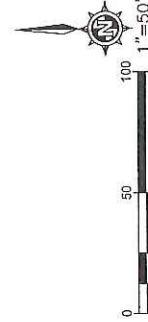
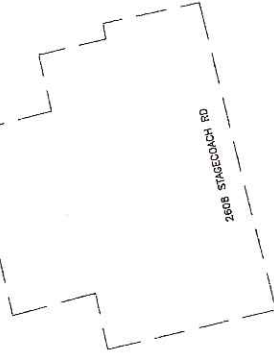
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MATCHLINE SEE TC-10



MATCHLINE SEE TC-8

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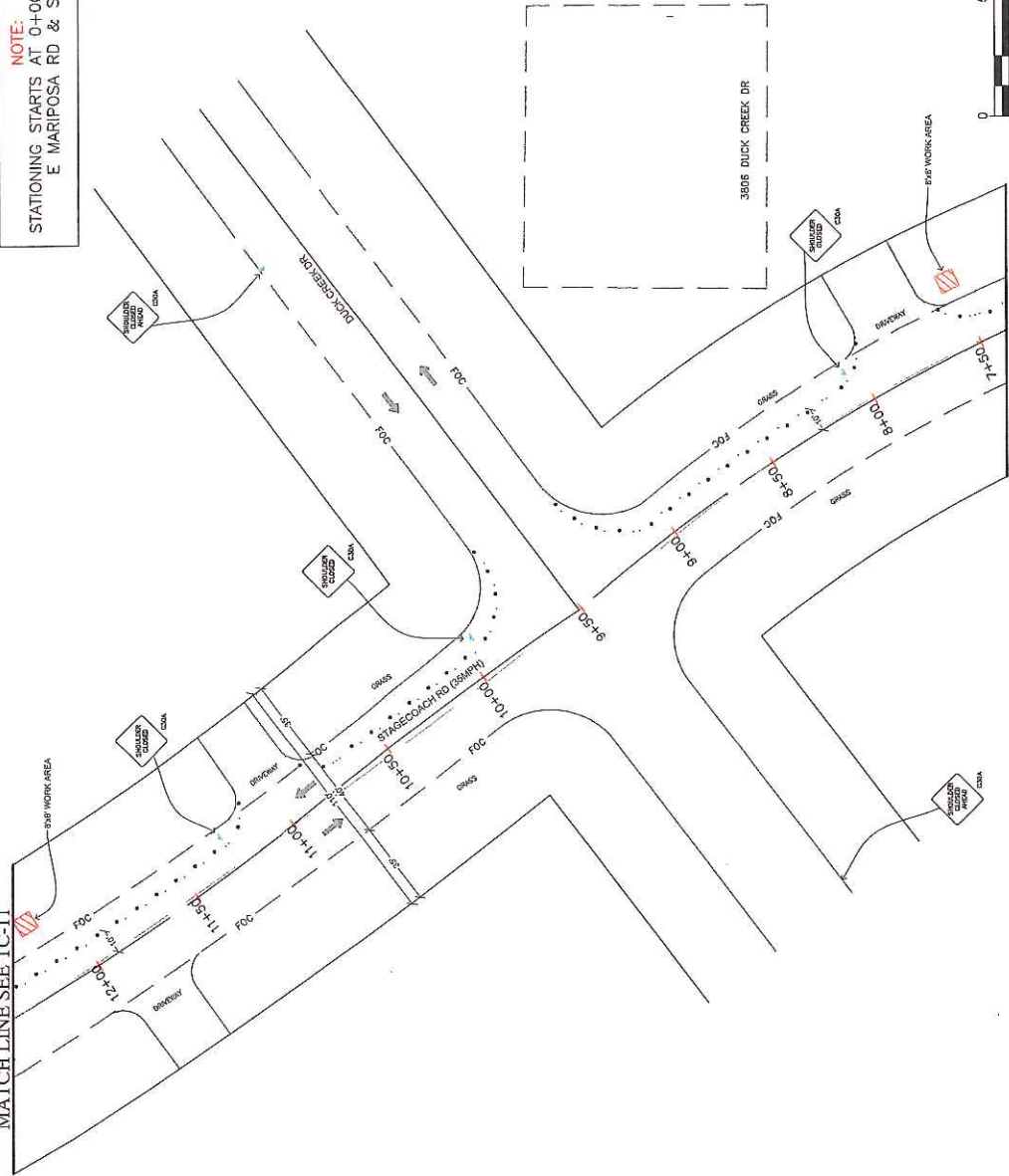
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TRAFFIC CONTROL PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-9

ALL CONSTRUCTION AND GRADING OPERATIONS SHALL BE LIMITED TO WEEKDAYS (MONDAY THROUGH FRIDAY), 8:00 A.M. TO 5:00 P.M. ALL LANES SHOULD BE A MINIMUM OF 10' IN WIDTH AS MEASURED TO THE NEAR FACE OF CHANNELIZING DEVICES. DRIVEWAY ACCESS TO REMAIN OPEN AT ALL TIMES.

MATCH LINE SEE TC-11

NOTE:
STATIONING STARTS AT 0+00 AT INTERSECTION OF
E MARIPOSA RD & STAGECOACH RD.



MATCH LINE SEE TC-9



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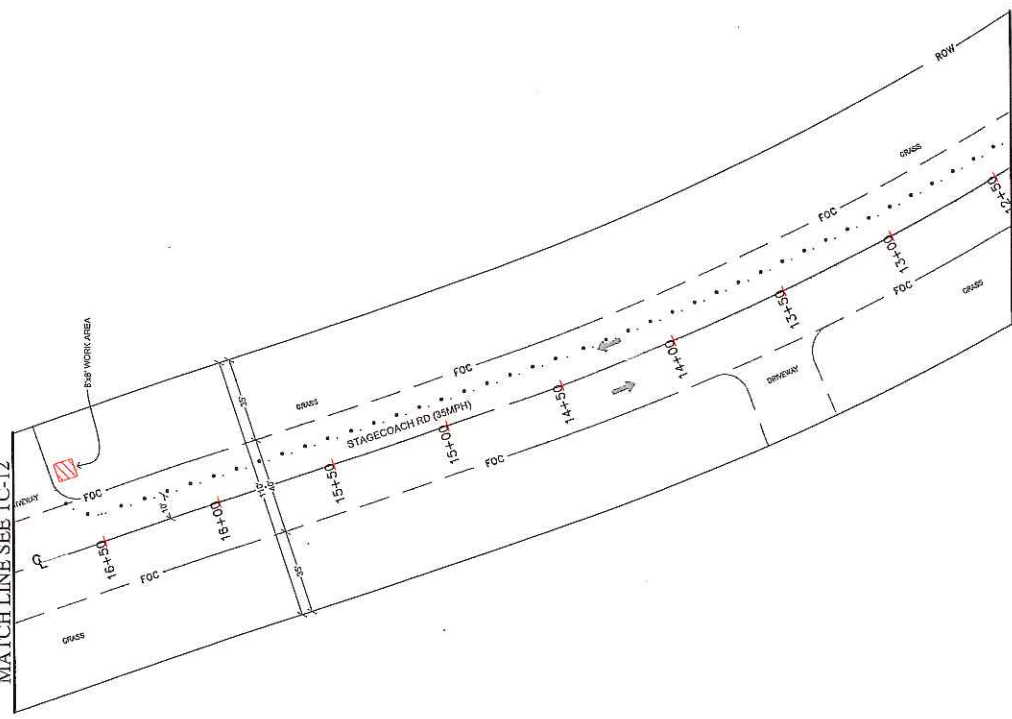
811
Know what's below.
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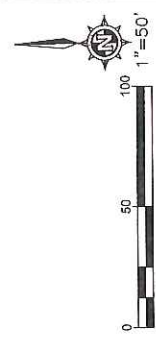
TRAFFIC CONTROL PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NOTE: NODE
SHEET: TC-10

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MATCH LINE SEE TC-12



MATCH LINE SEE TC-10



NOTE:
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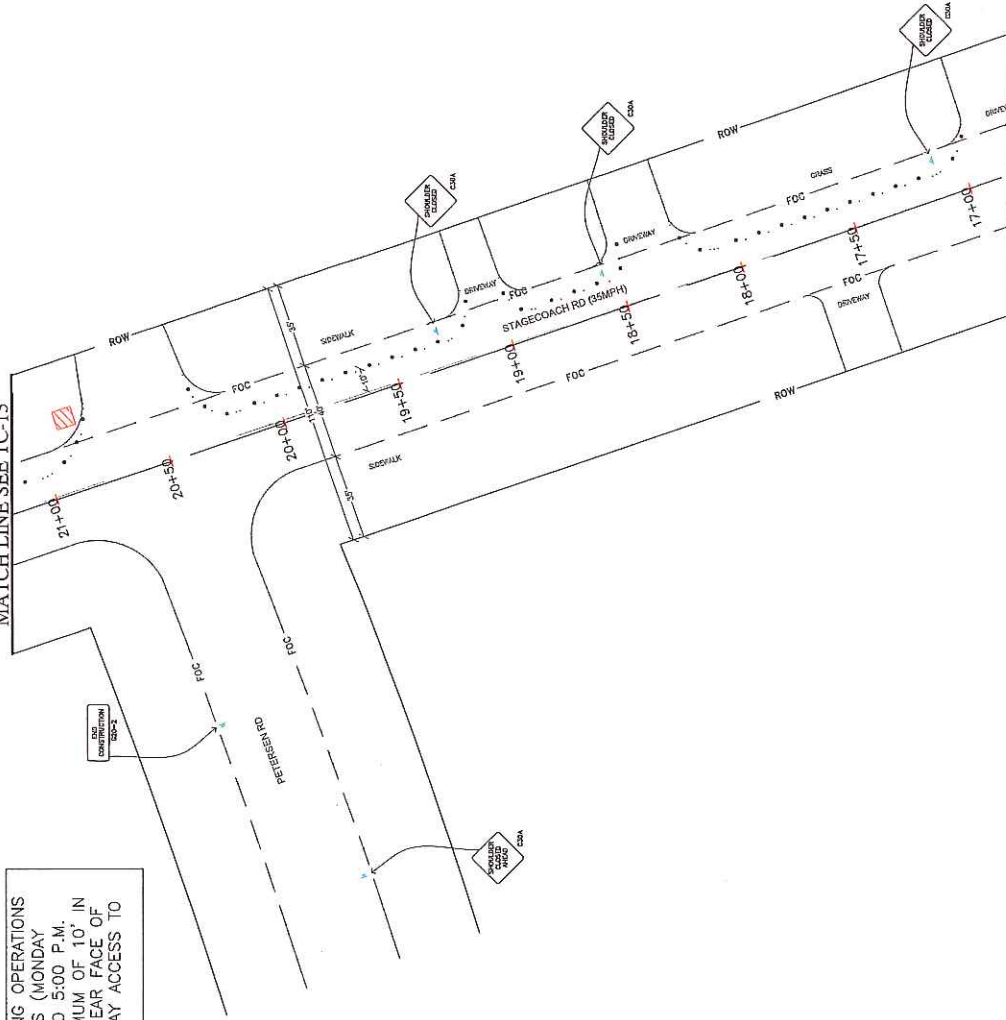
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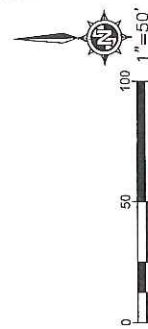
TRAFFIC CONTROL PLAN 2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-11

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MATCH LINE SEE TC-13



MATCH LINE SEE TC-11



NOTE:
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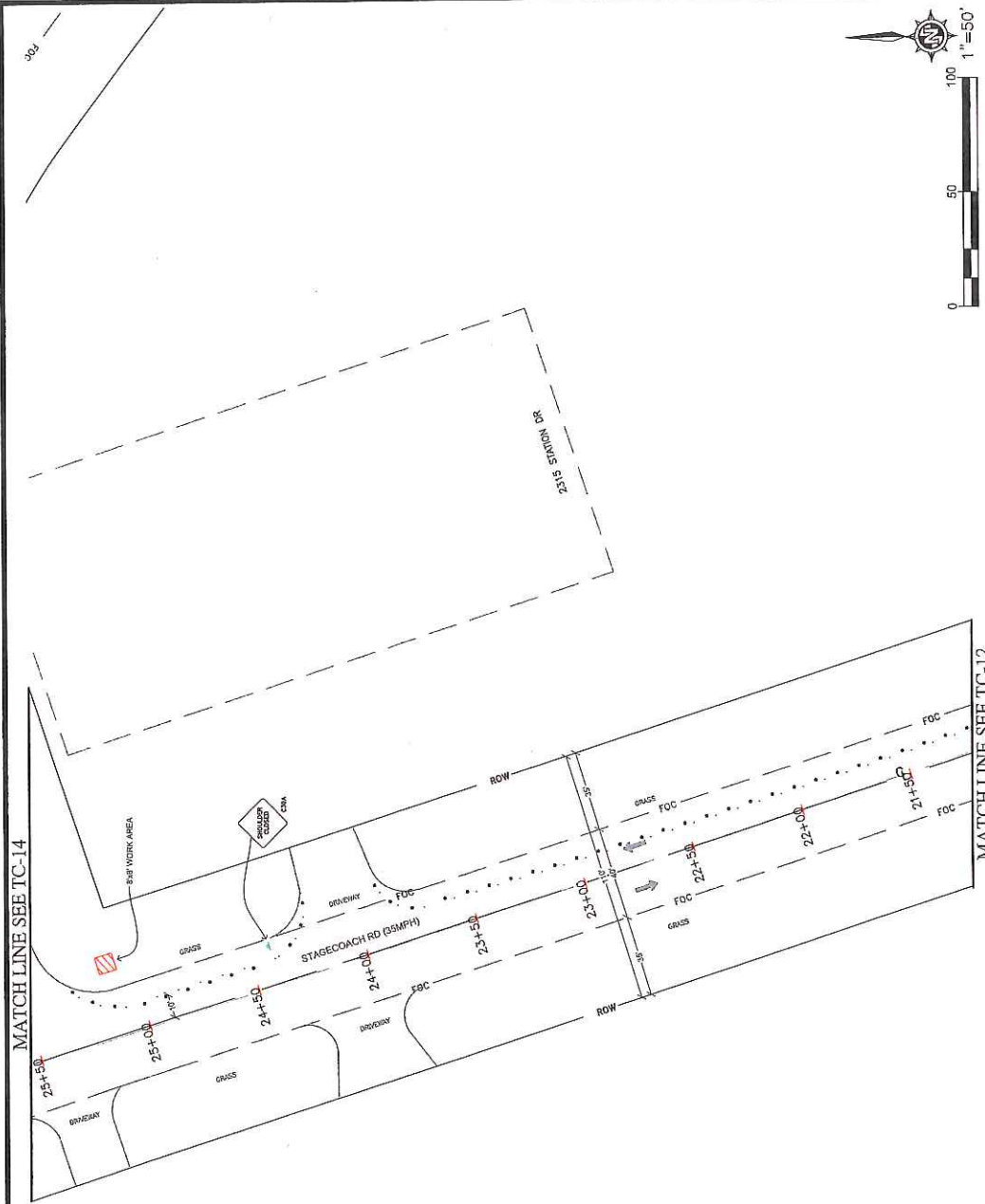
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TRAFFIC CONTROL PLAN
2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-12

NOTE:
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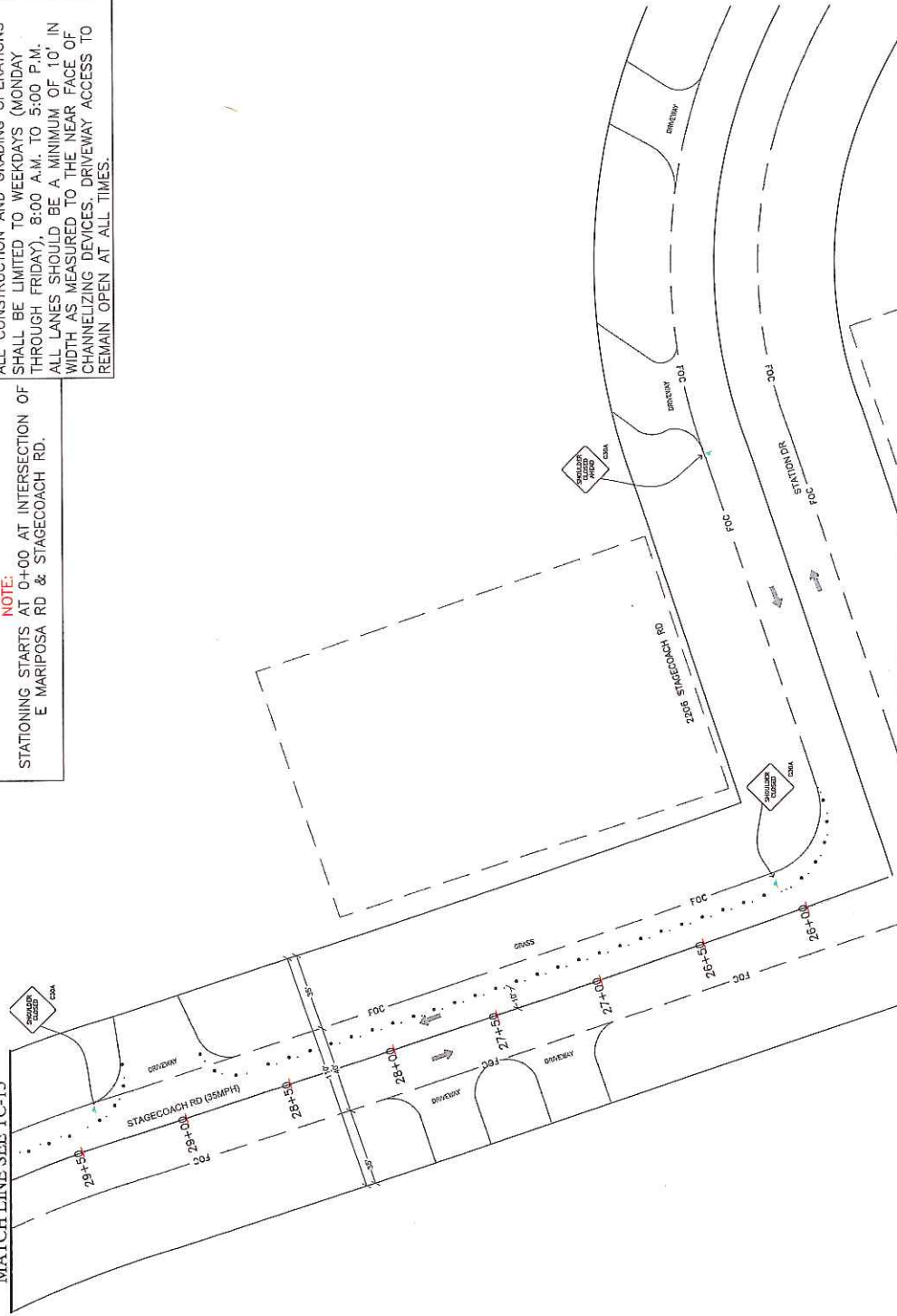
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TRAFFIC CONTROL PLAN
2136 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-13

MATCH LINE SEE TC-15

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MATCH LINE SEE TC-13

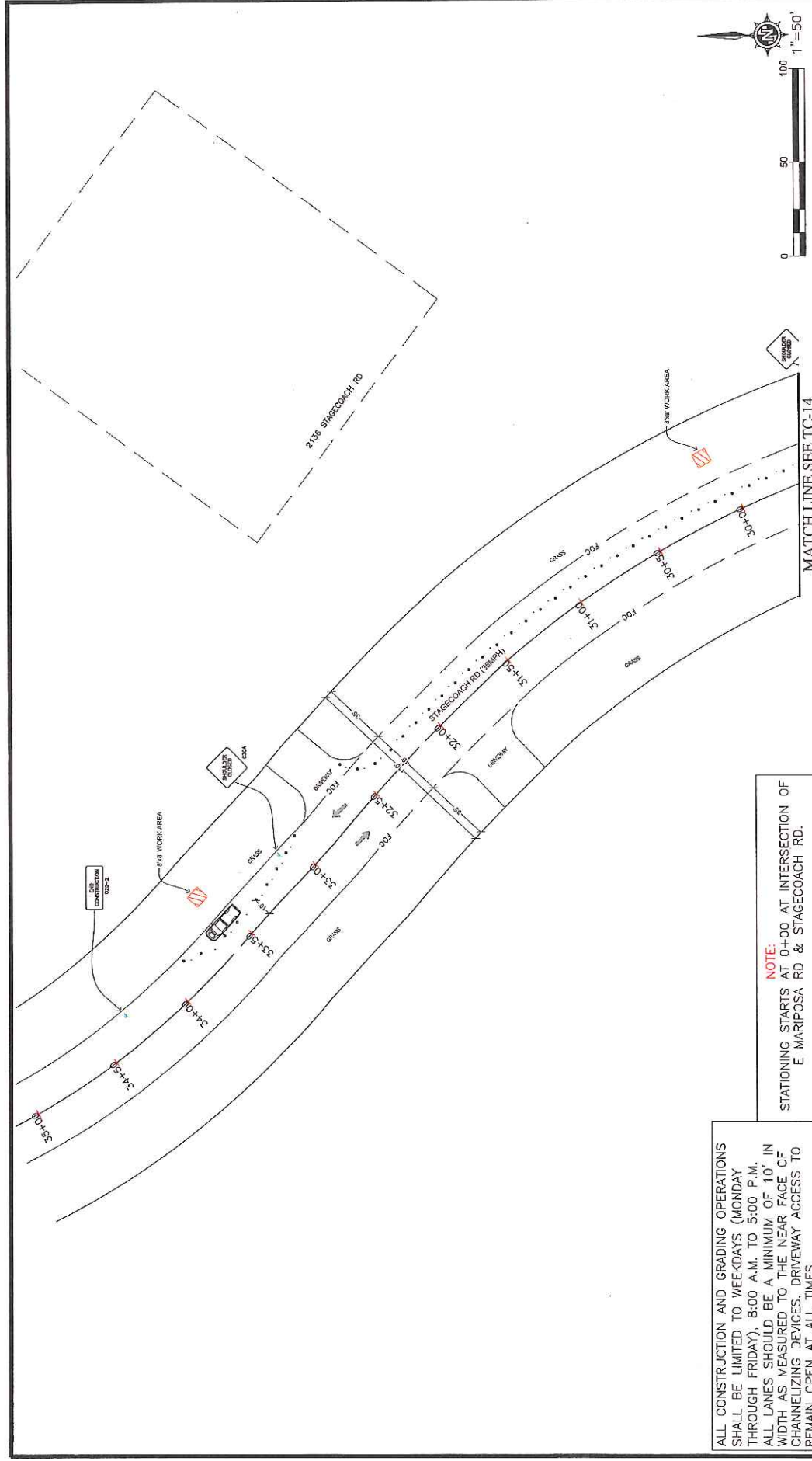
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TRAFFIC CONTROL PLAN 2135 STAGECOACH RD
PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-14



ALL CONSTRUCTION AND GRADING OPERATIONS SHALL BE LIMITED TO WEEKDAYS (MONDAY THROUGH FRIDAY), 8:00 A.M. TO 5:00 P.M. ALL LANES SHOULD BE A MINIMUM OF 10' IN WIDTH AS MEASURED TO THE NEAR FACE OF CHANNELIZING DEVICES. DRIVEWAY ACCESS TO REMAIN OPEN AT ALL TIMES.

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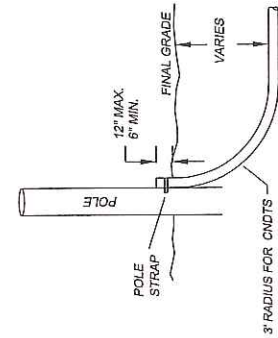
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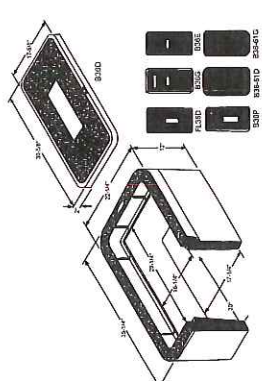
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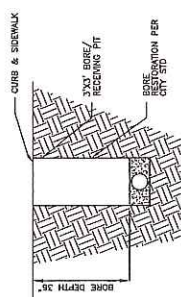
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PROJ#: 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT
SYSTEM: CITY OF STOCKTON
NODE: NODE
SHEET: TC-15



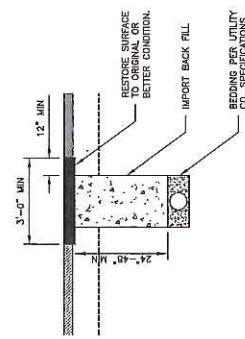
RISER DETAIL
SCALE: N.T.S.



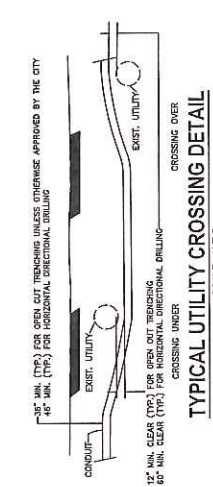
B-36 VAULT DETAIL
SCALE: N.T.S.



TYPICAL BORE DETAILS
SCALE: N.T.S.



TYPICAL TRENCH DETAILS
SCALE: N.T.S.



TYPICAL UTILITY CROSSING DETAIL
SCALE: N.T.S.

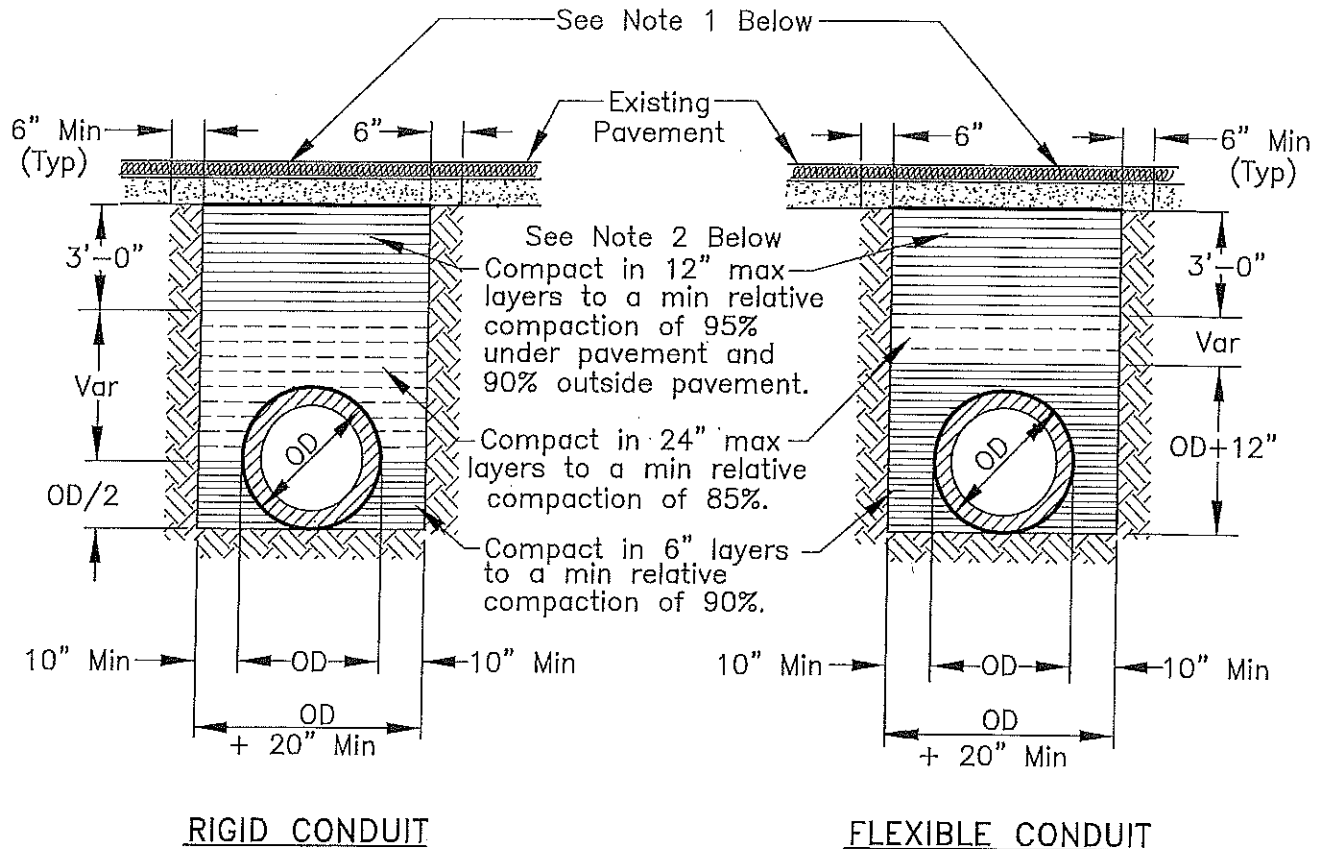
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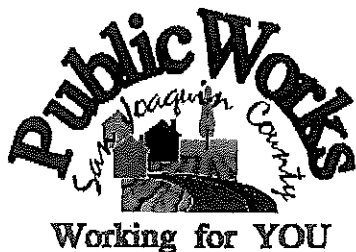
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MUNICIPALITY STANDARDS 2136 STAGECOACH RD	PROJ# 259721
CONSTRUCTION TYPE: BORE, OVERLASH, & PLACE CONDUIT	SYSTEM: CITY OF STOCKTON
NOTE: NODE	SHEET: SD-1



NOTES:

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



TYPICAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by:

Thomas M. Gull

No.	Revision	Description	Date

Date: DEC 2014

Std. Dwg. No.

R-29

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 within 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.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. SUPERVISION: The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. START OF WORK: No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. CLEAN PAVEMENT: Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. DAILY RESTORATION: Private driveways and road intersections shall be restored daily.
5. WEATHER-TIGHT CONDITIONS: All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.