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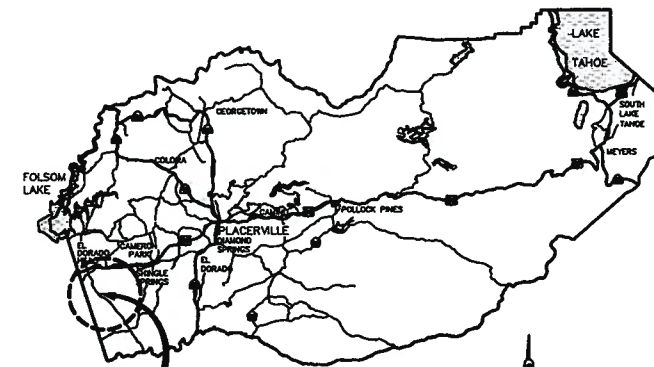
| SHEET | PLAN SHEET | TITLE TITLE |
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**DEPARTMENT OF TRANSPORTATION
COUNTY OF EL DORADO, CA**

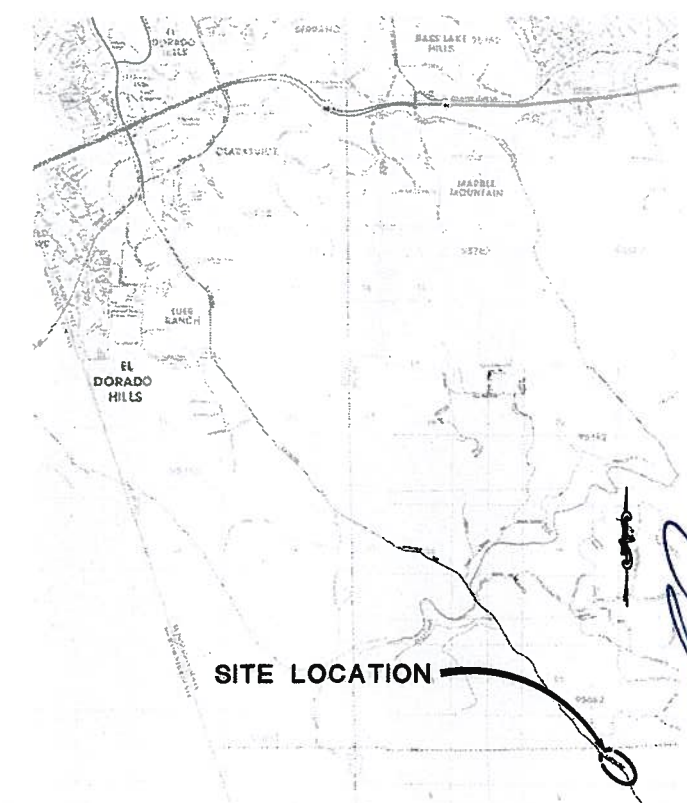
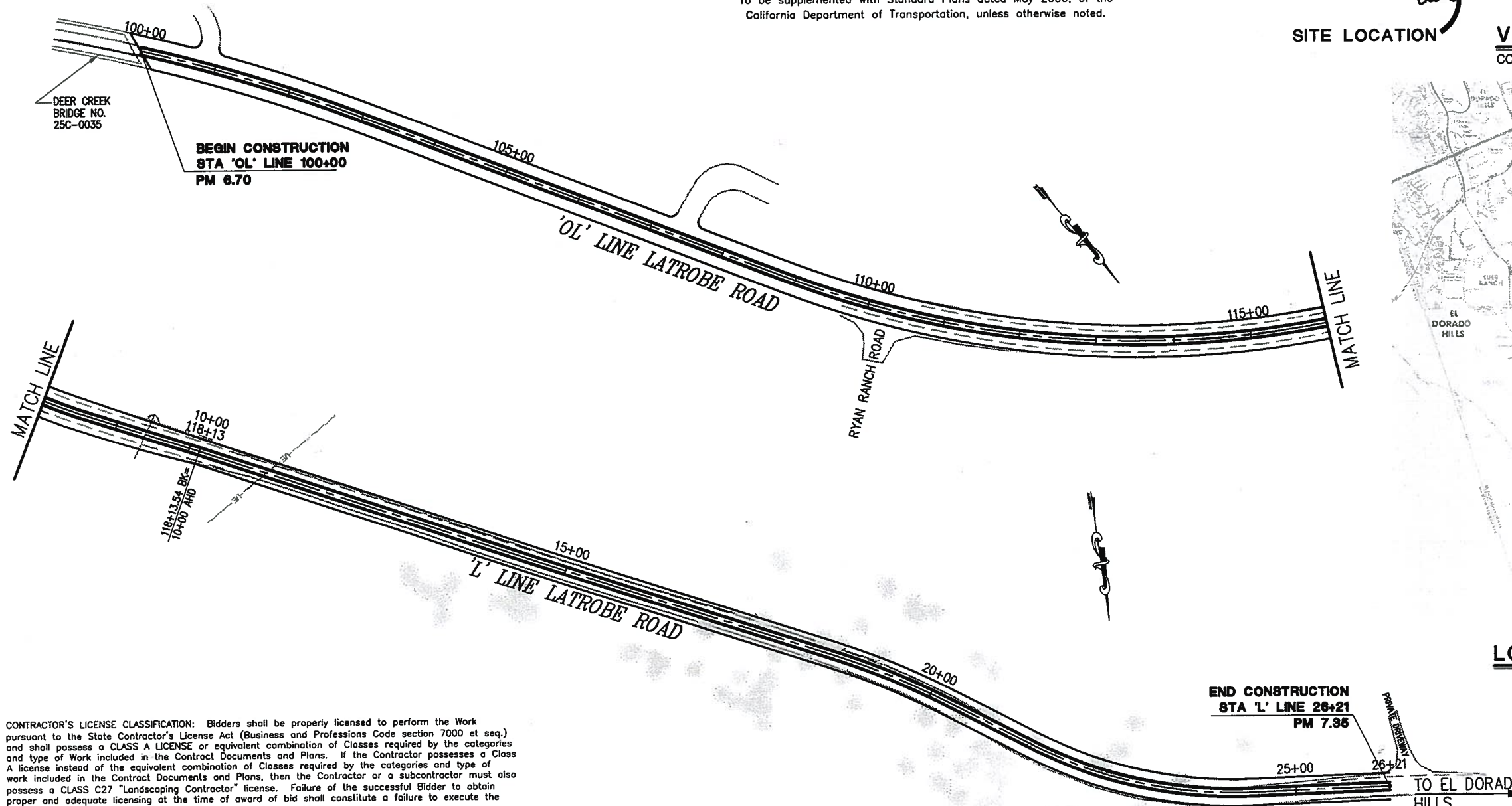
**PROJECT PLANS FOR THE CONSTRUCTION OF
LATROBE ROAD NORTH OF
RYAN RANCH ROAD**

IN THE COUNTY OF EL DORADO, DISTRICT II
APPROXIMATELY 4.1 MILES SOUTH OF U.S. HWY 50 AND EL DORADO HILLS BLVD INTERCHANGE

To be supplemented with Standard Plans dated May 2006, of the
California Department of Transportation, unless otherwise noted.



SITE LOCATION **VICINITY MAP**
COUNTY OF EL DORADO



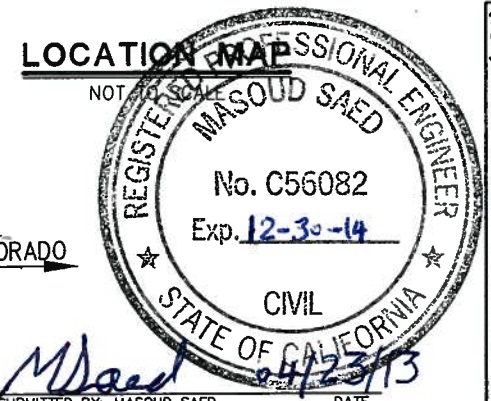
SITE LOCATION

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. If the Contractor possesses a Class A license instead of the equivalent combination of Classes required by the categories and type of work included in the Contract Documents and Plans, then the Contractor or a subcontractor must also possess a CLASS C27 "Landscaping Contractor" license. Failure of the successful Bidder to obtain proper and adequate licensing at the time of award of bid shall constitute a failure to execute the Contract, and forfeiture of bidder's security.

| REVISIONS | | |
|-----------|------|----|
| MARK | DATE | BY |
| | | |
| | | |
| | | |
| | | |



SITE PLAN
SCALE: 1" = 60'



SUBMITTED BY: MASOUD SAED
CIVIL ENGINEER
STATE OF CALIFORNIA NO. _____

BOARD OF SUPERVISORS

| | |
|--------------------|-----|
| RON MIKULACO | I |
| RAYMOND J. NUTTING | II |
| BRIAN VEERKAMP | III |
| RON V. BRIGGS | IV |
| NORMA SANTIAGO | V |

**COUNTY OF EL DORADO
DEPARTMENT OF
TRANSPORTATION**

(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA
95667

ADOPTED AND FORWARDED BY: _____ DATE: 4/23/13

FORWARDED BY: _____ DATE: 4/25/13

APPROVED BY: _____ DATE: 4/23/13

FORWARDED BY: _____ DATE: 4/23/13

FORWARDED BY: _____ DATE: 4/23/13

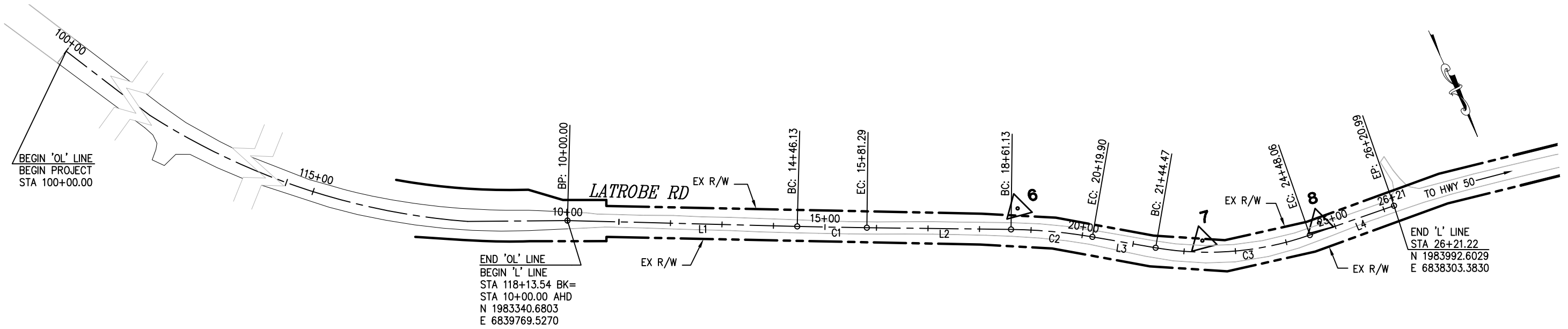
FEDERAL AID PROJECT No. HRRRL - 9925(056)
PW NO. 09-30467 CONTRACT NO. 73359

**LATROBE ROAD NORTH OF
RYAN RANCH ROAD**

TITLE SHEET

SHEET 1 OF 15

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
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 1
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 Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd.\So of Westel-Oviat\Drawings\Sheets\CD-1.dwg
 Layout Tab: CD-1 May 30, 2013 4:21pm M.Saeed



PLAN
SURVEY AND CONTROL POINT

NOTES:
 BEARINGS AND COORDINATES ARE SHOWN ON THE CALIFORNIA STATE COORDINATE SYSTEM, NAD 83 ZONE 2 (US FEET).
 DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES SHOWN BY 0.999878 TO OBTAIN GROUND DISTANCES.


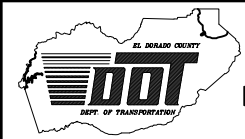
VERTICAL DATUM BASED ON NGVD 1929

X DENOTES CONTROL POINT AND NUMBER.

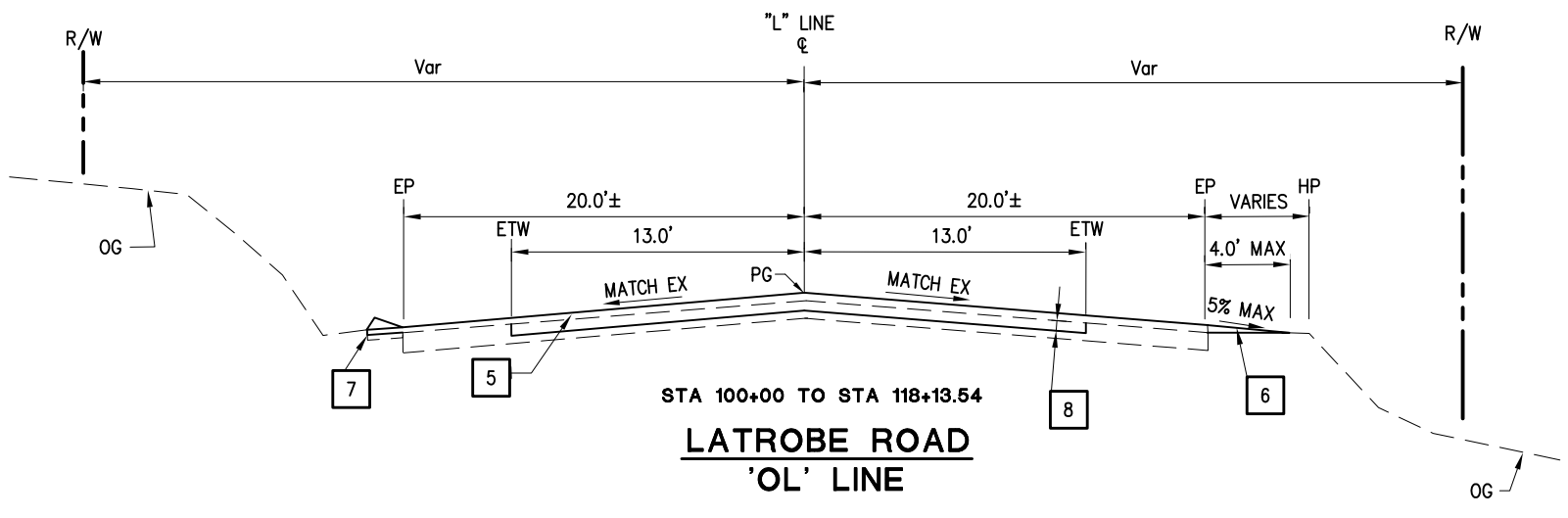
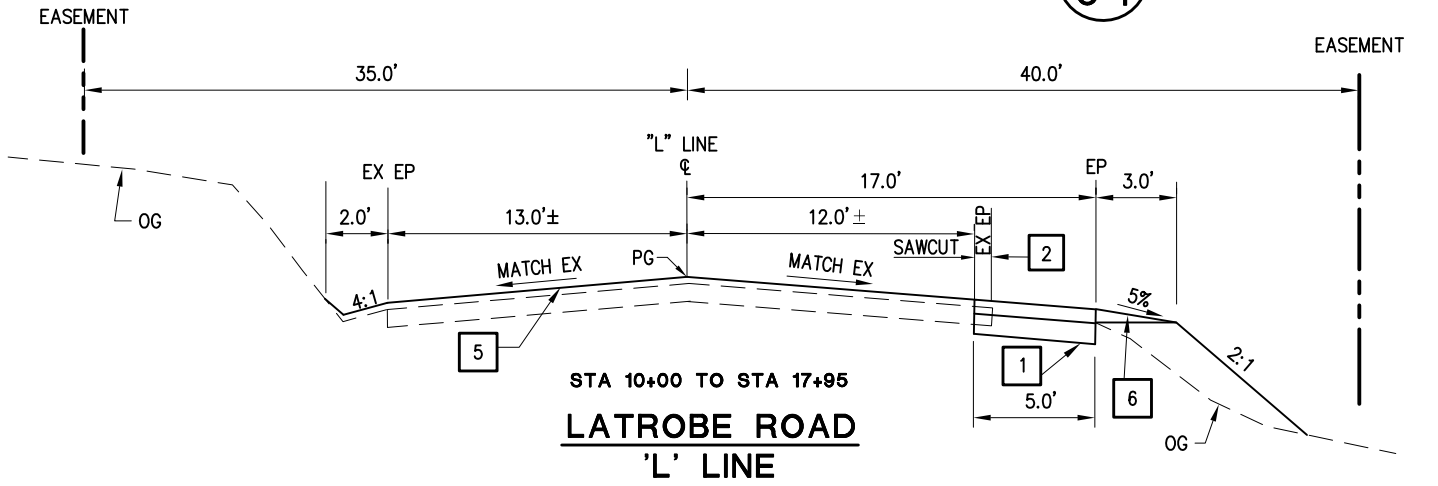
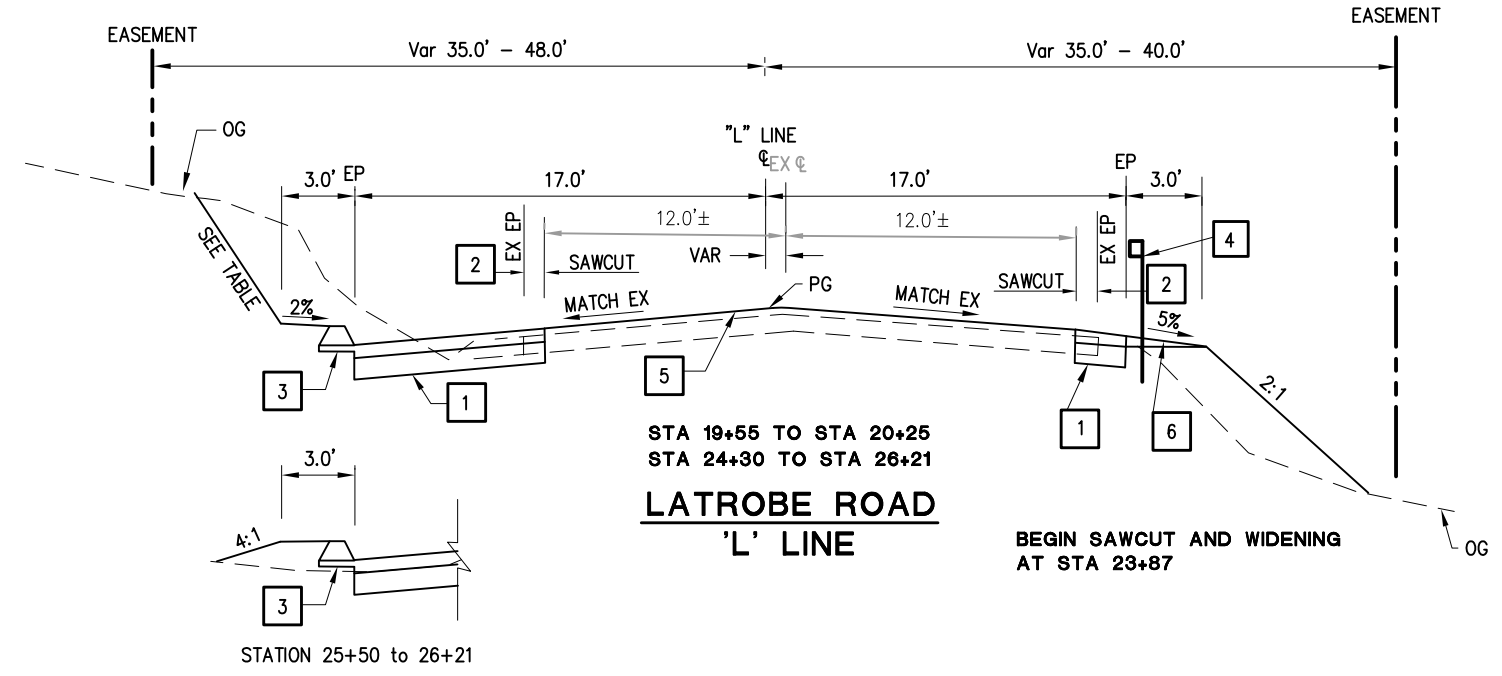
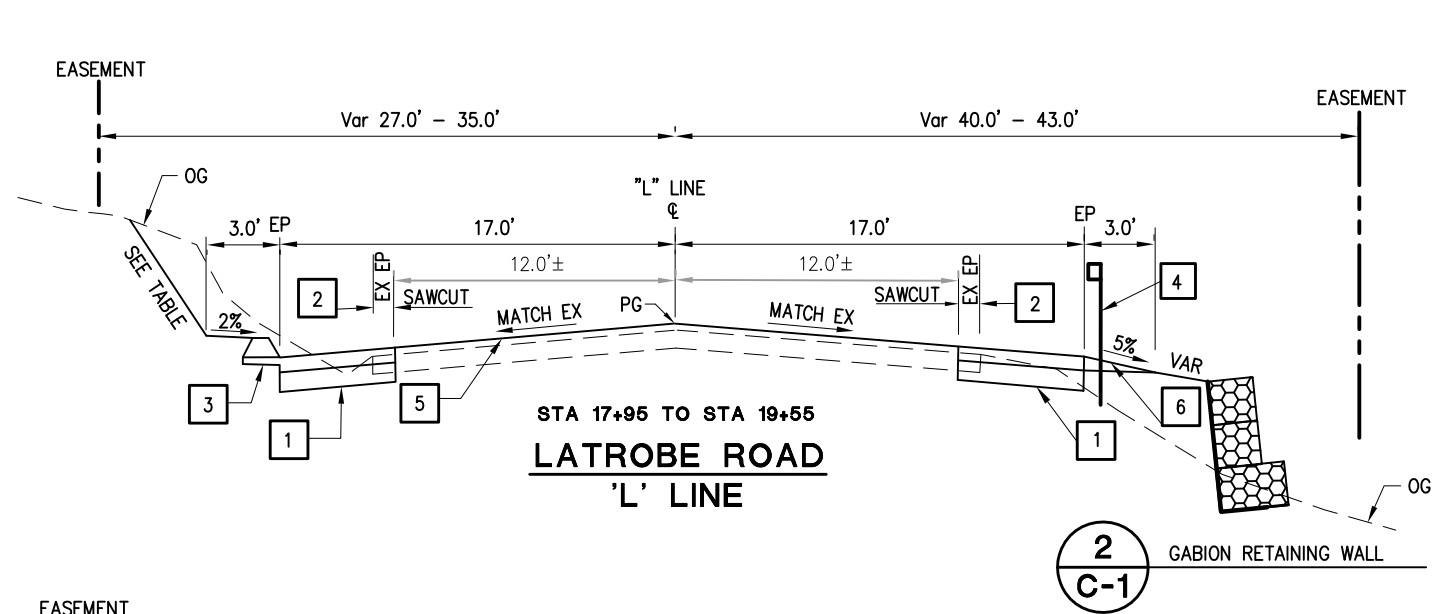
| CONTROL TABLE | | | | |
|----------------|--------------|--------------|-----------|-------------|
| CONTROL NUMBER | NORTHING | EASTING | ELEVATION | DESCRIPTION |
| 6 | 1983688.5386 | 6838967.6120 | 620.28 | 10" SPIKE |
| 7 | 1983896.8003 | 6838669.0888 | 644.13 | 10" SPIKE |
| 8 | 1983961.5131 | 6838449.4236 | 644.90 | 10" SPIKE |

| ALIGNMENT LINE / CURVE DATA | | | | | |
|-----------------------------|--------|--------|---------------------------|----------------------------|----------------------------|
| NUMBER | LENGTH | RADIUS | CHORD DIRECTION / BEARING | START POINT | END POINT |
| C1 | 135.16 | 10000 | NORTH63° 55' 48.34" WEST | 1983539.4438, 6839370.1205 | 1983598.8396, 6839248.7172 |
| C2 | 158.76 | 1000 | NORTH59° 46' 08.47" WEST | 1983720.1216, 6838996.5171 | 1983799.9735, 6838859.4882 |
| C3 | 303.59 | 600 | NORTH69° 42' 57.95" WEST | 1983871.0346, 6838757.1656 | 1983975.1616, 6838475.4305 |
| L1 | 446.13 | | N63° 32' 34.45" W | 1983340.6803, 6839769.5270 | 1983539.4438, 6839370.1205 |
| L2 | 279.85 | | N64° 19' 02.23" W | 1983598.8396, 6839248.7172 | 1983720.1216, 6838996.5171 |
| L3 | 124.58 | | N55° 13' 14.71" W | 1983799.9735, 6838859.4882 | 1983871.0346, 6838757.1656 |
| L4 | 172.93 | | N84° 12' 41.20" W | 1983975.1616, 6838475.4305 | 1983992.6029, 6838303.3830 |

SURVEY CONTROL DIAGRAM
SCALE : 1"=100'

| | | | | | | | |
|---|---|--|--|---|--|--|--|
| REVISION NUMBER DATE DESCRIPTION BY | | | | | | | |
| | PREPARED UNDER THE SUPERVISION OF :  <i>M Saed</i> REGISTERED CIVIL ENGINEER | | | DESIGNED: MS DRAWN: MS CHECKED: LM DATE: 03/11/13 ROAD NUMBER: 18 |  EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION | LATROBE ROAD NORTH OF RYAN RANCH ROAD | SHEET CD-1 2 OF 15 W.O. No. 73359 |

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\73359 Latrobe Rd. So of Westel-Oval\Drawings\Sheets\X-1.dwg Layout Tab: Layout1 Jun 25, 2013 - 9:09am mssed



SIDE SLOPE TABLE

| STATION | STATION | CUT SLOPE (LT) | FILL SLOPE (RT) |
|---------|---------|-------------------------|-----------------|
| 17+80 | 19+50 | 1:1 | 2:1 OR FLATTER |
| 19+50 | 19+75 | TRANSITION 1:1 TO 1.5:1 | 2:1 OR FLATTER |
| 19+75 | 22+95 | 1.5:1 | 2:1 OR FLATTER |
| 22+95 | 23+20 | TRANSITION 1.5:1 TO 1:1 | 2:1 OR FLATTER |
| 23+20 | 26+21 | 1:1 | 2:1 OR FLATTER |

- 1 - 0.20' HMA (TYPE A) OVERLAY
0.20' HMA (TYPE A) FIRST LIFT
1.20' AB (CLASS 2)
WIDTH VARIES (1'-16')
MATCH EXISTING CROSS SLOPES
REFER TO LAYOUT SHEETS
- 2 - SAWCUT 1.0' TYPICAL FROM EXISTING
EP - REFER TO LAYOUT SHEETS
- 3 - HMA DIKE (TYPE A) REFER TO LAYOUT
SHEET FOR LIMITS - STANDARD
PLAN A87B
- 4 - TYPE 11D LAYOUT
METAL BEAM GUARD RAIL (MBGR)
REFER TO LAYOUT SHEET FOR
LIMITS (STANDARD PLAN A77E2)
INSTALL METAL BEAM GUARD RAIL
DELINEATOR @ 48' INTERVAL
- 5 - 0.2' HMA OVERLAY
- 6 - AT EXISTING SHOULDERS WITHOUT DIKE,
PLACE SHOULDER BACKING FLUSH
WITH HMA OVERLAY. WIDTH IS LESSER
OF TOP OF SLOPE OR 4'
- 7 - REPLACE EXISTING AC DIKE (TYPICAL
TYPE E) WHERE IT OCCURS,
(TYPICAL RIGHT AND LEFT SIDE
- RIGHT SIDE NOT SHOWN)
- 8 - COLD PLANE 0.25' EXISTING HMA
AND REPLACE WITH 0.25' HMA

NOTES:

1- FINAL LIFT OF HMA ON NEW SECTION OF ROADWAY SHALL BE PLACED CONCURRENTLY WITH 0.2' HMA OVERLAY AT THE END OF SC-2

2- NOTE NEW FENCE LOCATION ON LAYOUT SHEET

3- PAVING SHALL BE PERFORMED PRIOR TO MBGR POST INSTALLATION

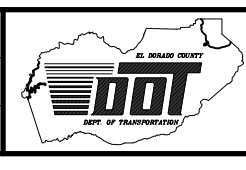
TYPICAL SECTIONS
SCALE : NO SCALE

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF:
M Saed
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/22/13
 ROAD NUMBER: 18

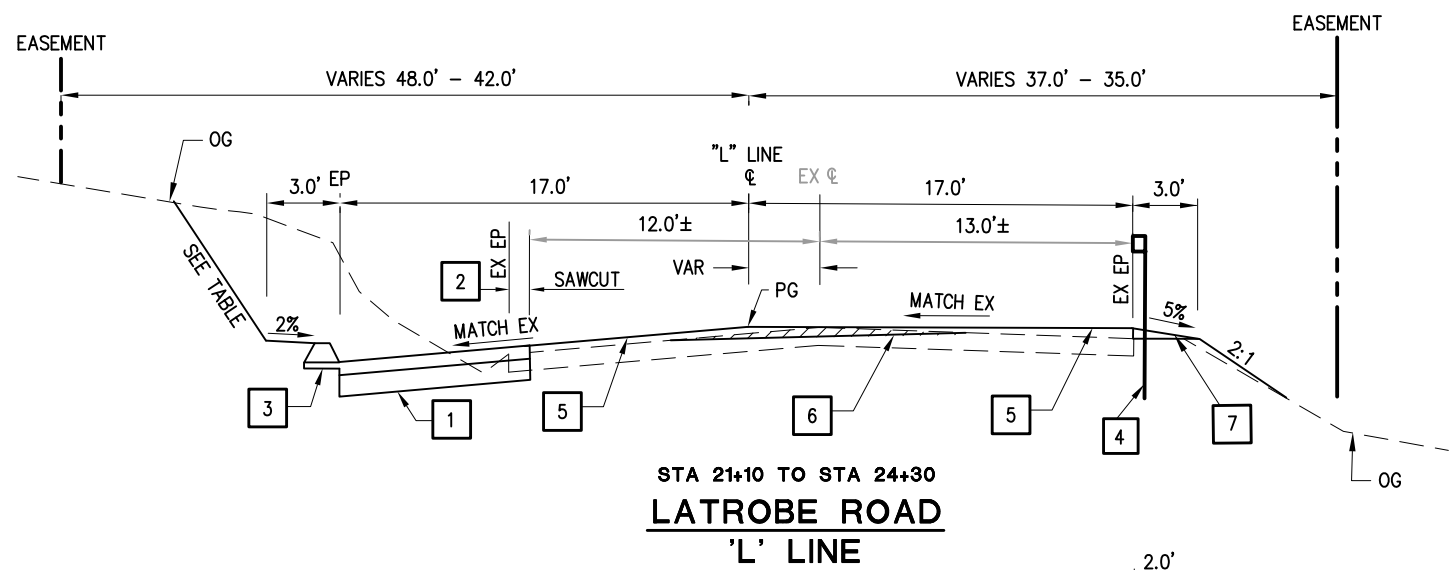


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

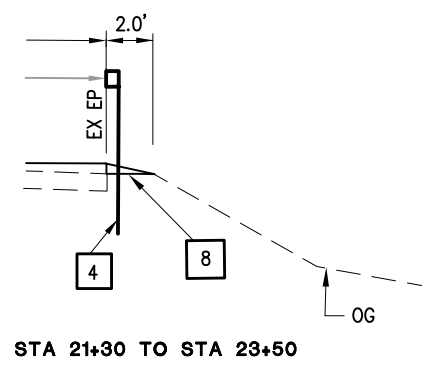
LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
X-1
 3 OF 15
 W.O. No. **73359**

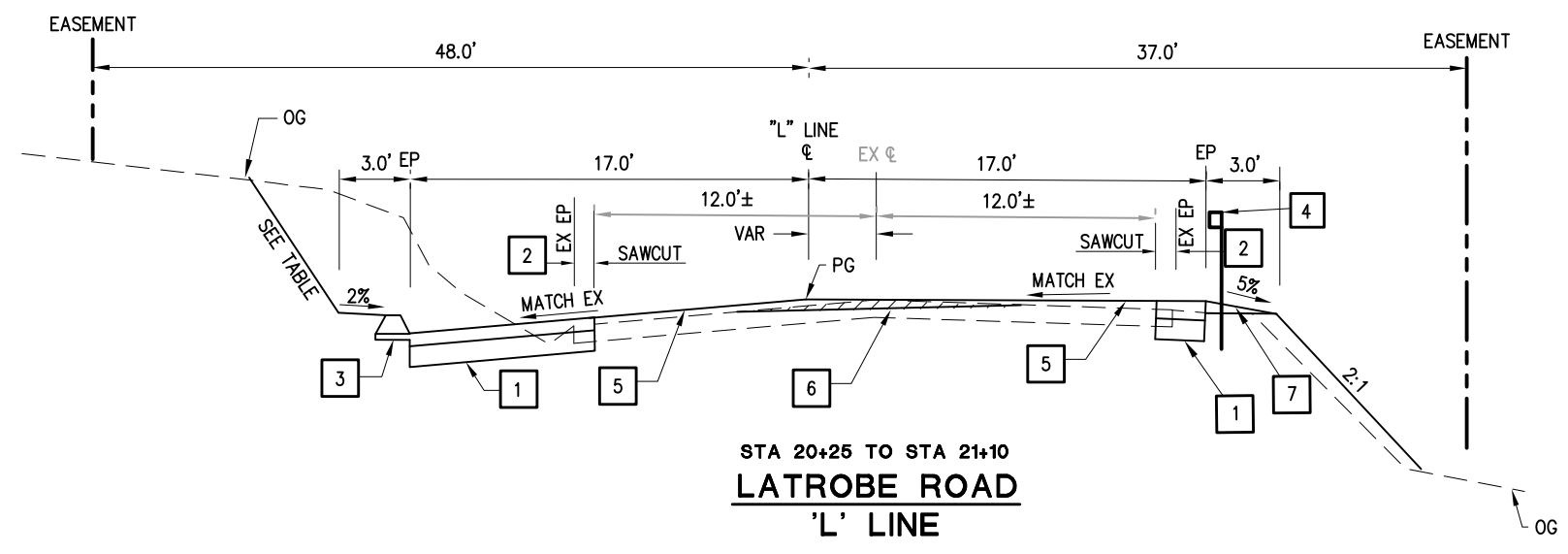
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**STA 21+10 TO STA 24+30
LATROBE ROAD
'L' LINE**



STA 21+30 TO STA 23+50



**STA 20+25 TO STA 21+10
LATROBE ROAD
'L' LINE**

SIDE SLOPE TABLE

| STATION | STATION | CUT SLOPE (LT) | FILL SLOPE (RT) |
|---------|---------|-------------------------|-----------------|
| 17+80 | 19+50 | 1:1 | 2:1 OR FLATTER |
| 19+50 | 19+75 | TRANSITION 1:1 TO 1.5:1 | 2:1 OR FLATTER |
| 19+75 | 22+95 | 1.5:1 | 2:1 OR FLATTER |
| 22+95 | 23+20 | TRANSITION 1.5:1 TO 1:1 | 2:1 OR FLATTER |
| 23+20 | 26+21 | 1:1 | 2:1 OR FLATTER |

NOTES:

- 1- FINAL LIFT OF HMA ON NEW SECTION OF ROADWAY SHALL BE PLACED CONCURRENTLY WITH 0.2' HMA OVERLAY AT THE END OF SC-2
- 2- NOTE NEW FENCE LOCATION ON LAYOUT SHEET
- 3- COLD PLANE
- 4- NO FILL SLOPE FROM STATION 21+30 TO STATION 23+50. REFER TO THE TYPICAL CROSS SECTION FOR DETAILS
- 5- PAVING SHALL BE PERFORMED PRIOR TO MBGR POST INSTALLATION

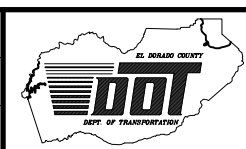
- 1 - 0.20' HMA (TYPE A) OVERLAY
0.2' HMA (TYPE A) FIRST LIFT
1.20' AB (CLASS 2)
WIDTH VARIES (1'-16')
MATCH EXISTING CROSS SLOPES
REFER TO LAYOUT SHEETS
- 2 - SAWCUT 1.0' TYPICAL FROM EXISTING EP - REFER TO LAYOUT SHEETS
- 3 - HMA DIKE (TYPE A) REFER TO LAYOUT SHEET FOR LIMITS - STANDARD PLAN A87B
- 4 - TYPE 11D LAYOUT
METAL BEAM GUARD RAIL (MBGR)
REFER TO LAYOUT SHEET FOR LIMITS (STANDARD PLAN A77E2)
INSTALL METAL BEAM GUARD RAIL DELINEATOR @ 48' INTERVAL
- 5 - 0.2' HMA OVERLAY
- 6 - REFER TO "L" AND "C" PLAN FOR DETAILS
- 7 - AT EXISTING SHOULDERS WITHOUT DIKE, PLACE SHOULDER BACKING FLUSH WITH HMA OVERLAY. WIDTH IS LESSER OF TOP OF SLOPE OR 4'
- 8 - PLACE HMA CONFORM TO EXISTING GRADE. USE STANDARD PLAN A77C3, DETAIL B

**TYPICAL SECTIONS
SCALE : NO SCALE**



PREPARED UNDER THE SUPERVISION OF:
Msaed
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18



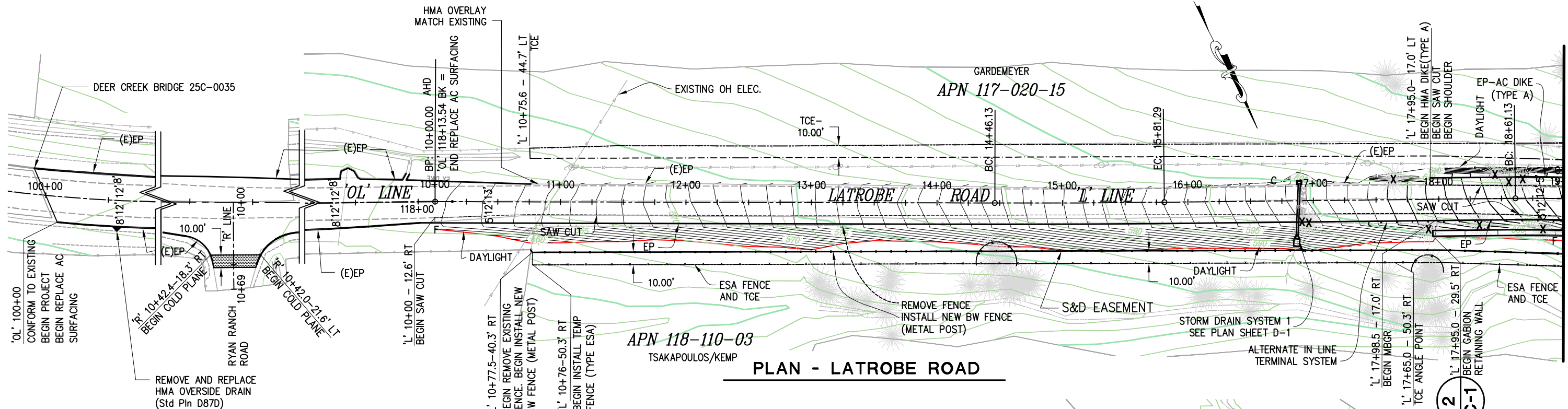
**EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION**

**LATROBE ROAD NORTH OF RYAN
RANCH ROAD**

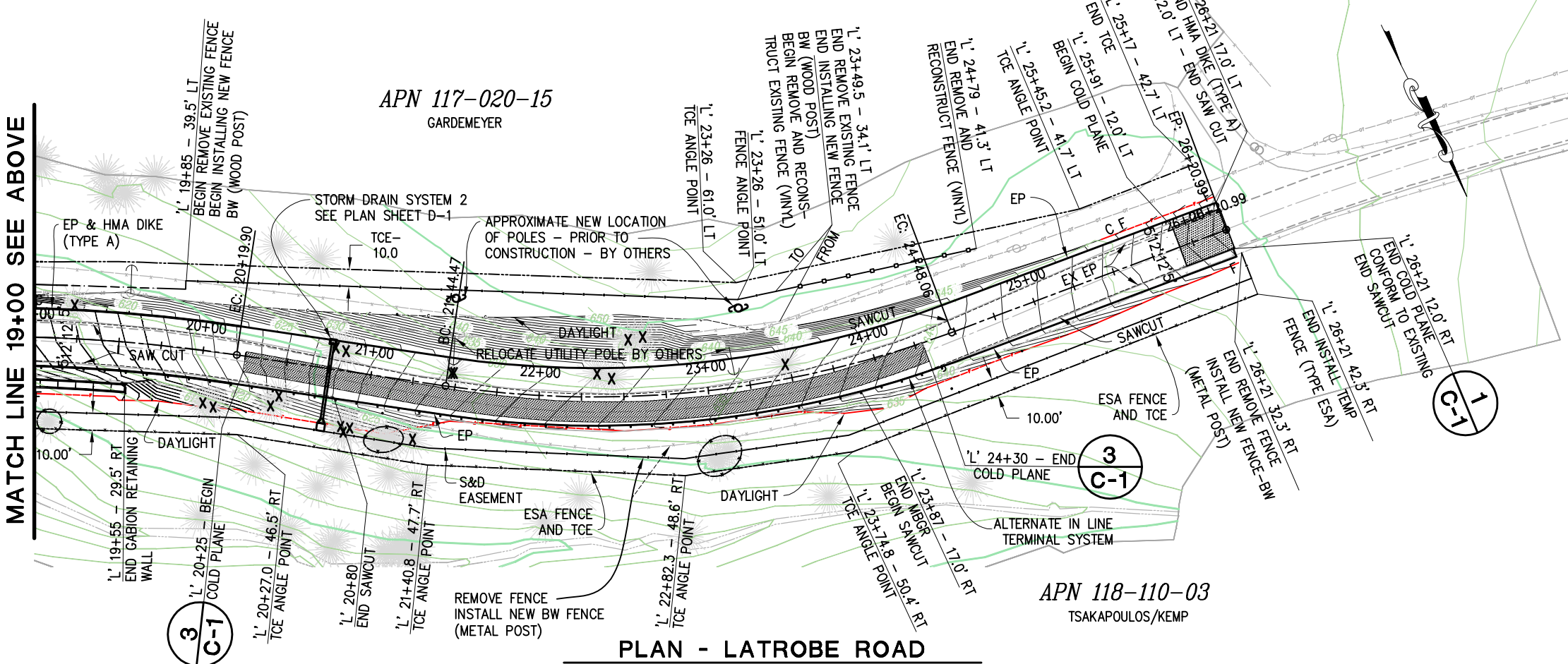
SHEET
X-2
 4 OF 15
 W.O. No. **73359**

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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 FOR REDUCED PLANS
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- NOTES:**
- 1- TCE: TEMPORARY CONSTRUCTION EASEMENT
 - 2- X TREE TO BE REMOVED
 - 3- REPLACE BW FENCE AS PER CT STANDARD PLAN A-86
 - 4- UTILITY POLES WITHIN THE PROJECT LIMIT SHALL BE PROTECTED FROM ANY DAMAGES
 - 5- FENCES REMOVED SHALL BE REPLACED AT THE SAME TIME (MAY USE TEMP FENCE AS NECESSARY TO PREVENT LIVE STOCK CROSSING)
 - 6- MBGR SHALL BE TYPE 11D LAYOUT TERMINAL SYSTEM ON BOTH ENDS (TYPE SKT - PER CT STANDARD PLANS)
 - 7- MBGR MAY REQUIRE INSTALLATION IN EXISTING PAVEMENT STRUCTURE
 - 8- INSTALL GUARD RAIL DELINEATION ON MBGR-AS DIRECTED BY THE ENGINEER - SEE X-1 AND X-2
 - 9- COLD PLANE AREA
 - 10- INSTALL TEMP FENCE, TYPE ESA AS SHOWN AND AS DIRECTED BY THE ENGINEER
 - 11- ROADWAY EMBANKMENT IS 1,230 CY. ROADWAY EMBANKMENT IS NOT A SEPARATE PAY QUANTITY. IT IS FOR INFORMATION ONLY
 - 12- HMA OVERSIDE DRAIN



TREE REMOVAL

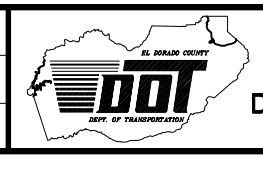
| NO. | STA | TAG NO. | OFFSET(FT) | EA |
|-------|-------|---------|------------|----|
| 1 | 16+91 | 11532 | 17.0 RT | 1 |
| 2 | 16+97 | 11531 | 18.0 RT | 1 |
| 3 | 17+64 | 11533 | 16.0 LT | 1 |
| 4 | 17+92 | 12014 | 24.0 RT | 1 |
| 5 | 18+33 | 11530 | 21.0 RT | 1 |
| 6 | 18+44 | 11534 | 19.0 LT | 1 |
| 7 | 18+55 | 11535 | 13.0 LT | 1 |
| 8 | 18+66 | 11536 | 15.0 LT | 1 |
| 9 | 18+75 | 12013 | 24.0 RT | 1 |
| 10 | 19+22 | 11537 | 19.0 LT | 1 |
| 11 | 20+03 | 12011 | 31.0 RT | 1 |
| 12 | 20+09 | 12010 | 32.0 RT | 1 |
| 13 | 20+45 | 12005 | 26.0 RT | 1 |
| 14 | 20+48 | 11529 | 20.0 RT | 1 |
| 15 | 20+77 | 11528 | 13.0 LT | 1 |
| 16 | 20+84 | 11527 | 11.0 LT | 1 |
| 17 | 20+86 | 12004 | 32.0 RT | 1 |
| 18 | 20+89 | 12003 | 36.0 RT | 1 |
| 19 | 20+92 | 12002 | 33.0 RT | 1 |
| 20 | 21+29 | 11489 | 34.0 RT | 1 |
| 21 | 21+48 | 11526 | 8.0 LT | 2 |
| 22 | 22+34 | 11525 | 14.0 LT | 1 |
| 23 | 22+43 | 11524 | 11.0 LT | 1 |
| 24 | 22+53 | 11523 | 33.0 LT | 1 |
| 25 | 22+60 | 11513 | 34.0 LT | 1 |
| 26 | 23+48 | 11522 | 9.0 LT | 1 |
| TOTAL | | | | 27 |

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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PREPARED UNDER THE SUPERVISION OF:
M.Saed
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/22/13
 ROAD NUMBER: 18



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

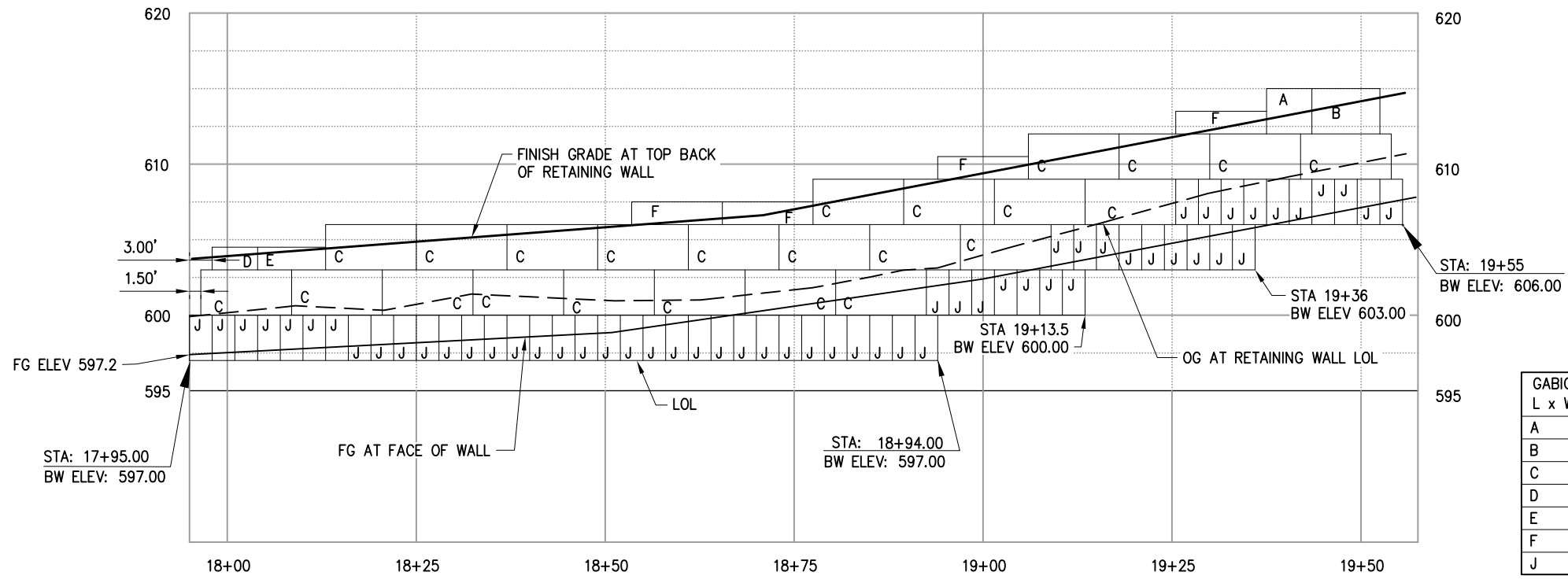
LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
L-1
 5 OF 15
 W.O. No. **73359**

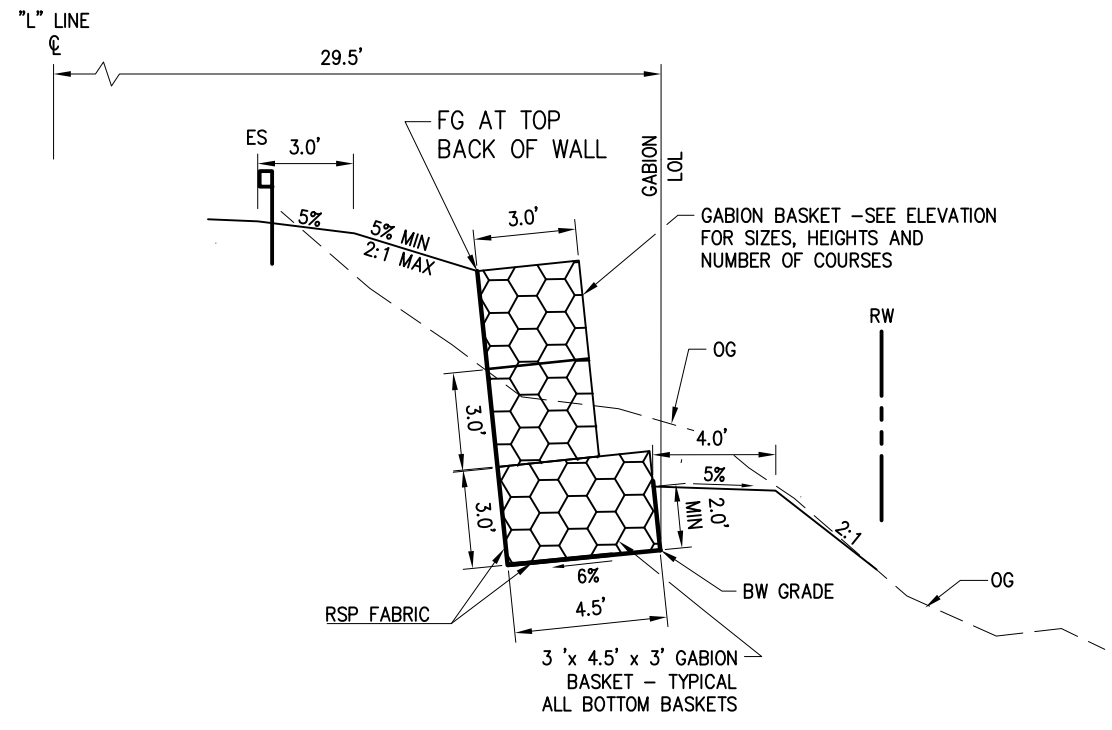
MATCH LINE 19+00 SEE BELOW

LAYOUT PLAN
 SCALE : 1" = 40'

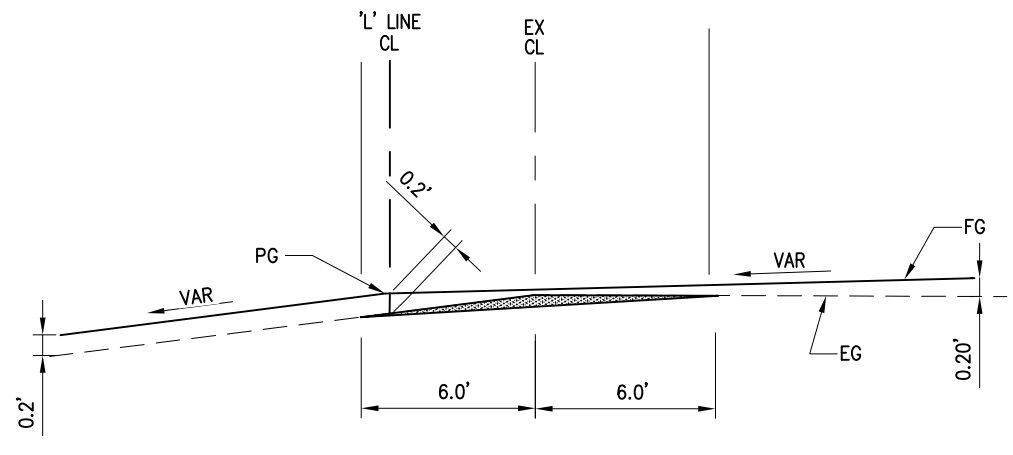
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 FOR REDUCED PLANS



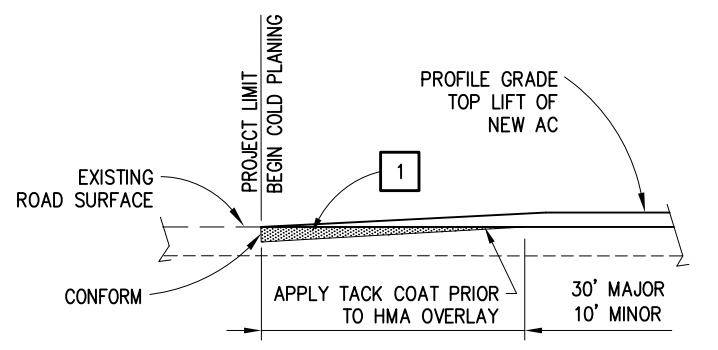
2
C-1 **GABION RETAINING WALL ELEVATION**
SCALE: 1:10 H - 1:5 V



GABION RETAINING WALL SECTION (Typ)
SCALE: 1:30



3
C-1 **MID CENTER COLD PLANE AND OVERLAY DETAIL**
SCALE: NONE



1
C-1 **COLD PLANE DETAIL**
SCALE: NONE

NOTES

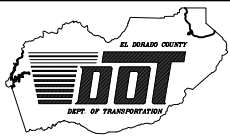
1 - COLD PLANE AC 0.2' MAX

CONSTRUCTION DETAILS
SCALE: NO SCALE



PREPARED UNDER THE SUPERVISION OF:
M Saed
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/22/13
 ROAD NUMBER: 18



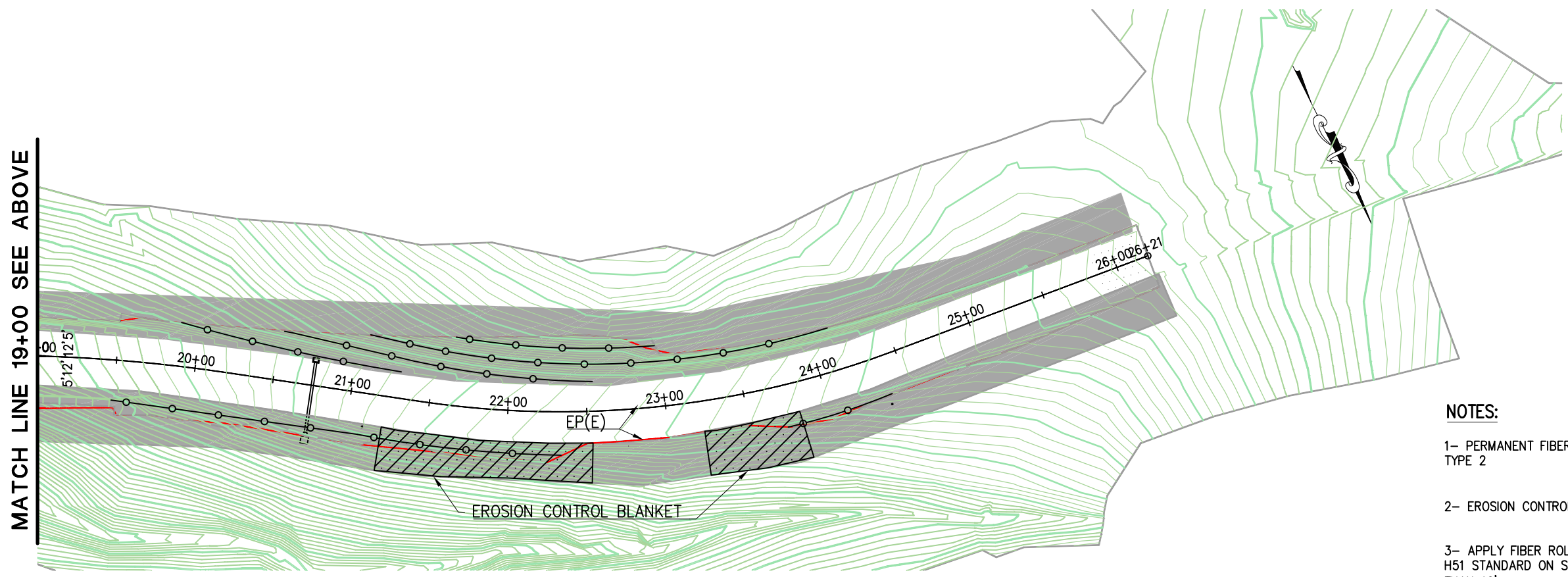
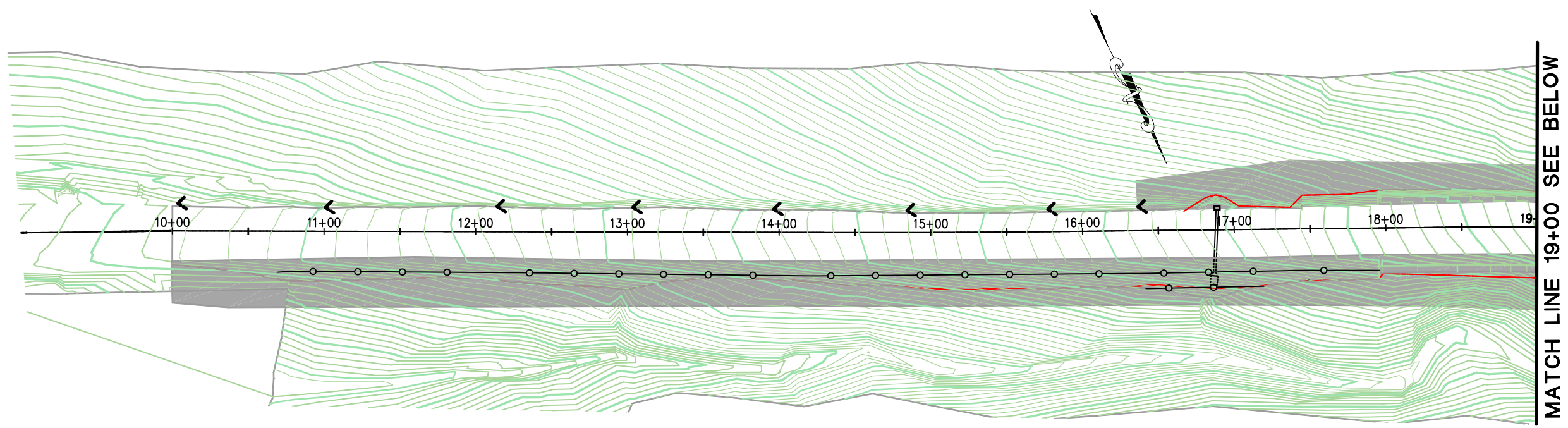
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
C-1
 6 OF 15
 W.O. No. **73359**

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
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 FOR REDUCED PLANS



PLAN - LATROBE ROAD

NOTE:
 1- FIBER ROLLS TO BE INSTALLED LEVEL ON CONTOURS. LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE ADJUSTED AS NEEDED DURING CONSTRUCTION.


NOTES:

- 1- PERMANENT FIBER ROLL TYPE 2 
- 2- EROSION CONTROL (TYPE D) 
- 3- APPLY FIBER ROLL AS PER RNSP H51 STANDARD ON SLOPES LONGER THAN 10'
- 4- PERMANENT EROSION CONTROL (TYPE D) SHALL BE APPLIED TO DISTURBED SOIL UP TO TEMPORARY CONSTRUCTION EASEMENT LIMIT

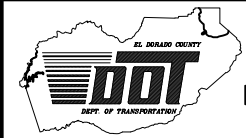
EROSION CONTROL PLAN
 SCALE : 1" = 40'H

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER

DESIGNED: MS
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 DATE: 03/22/13
 ROAD NUMBER: 18

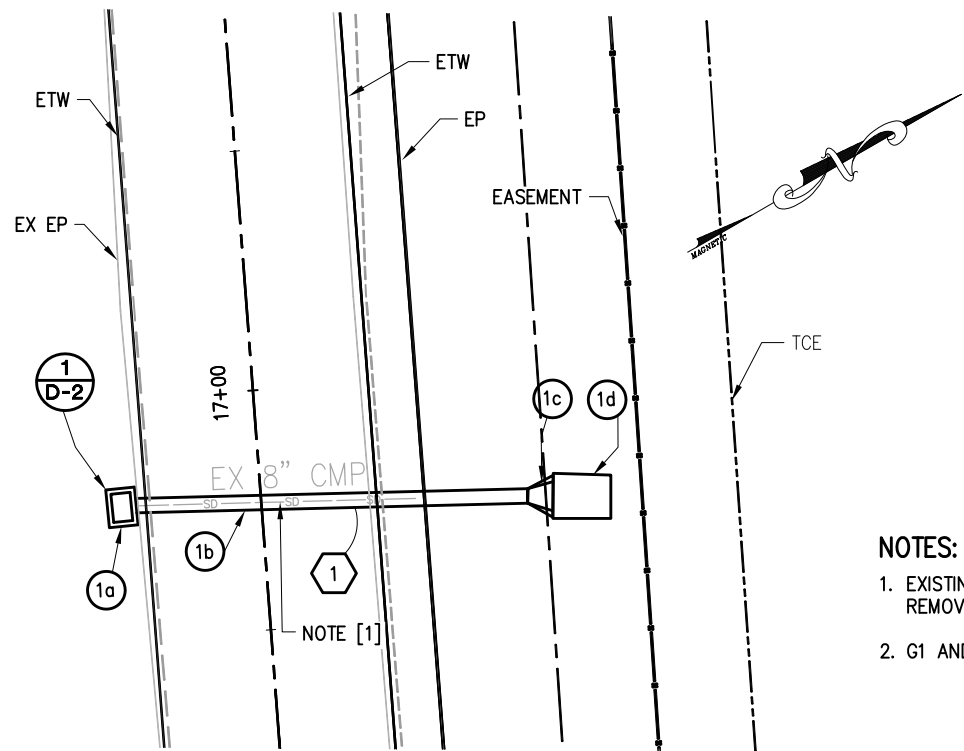


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

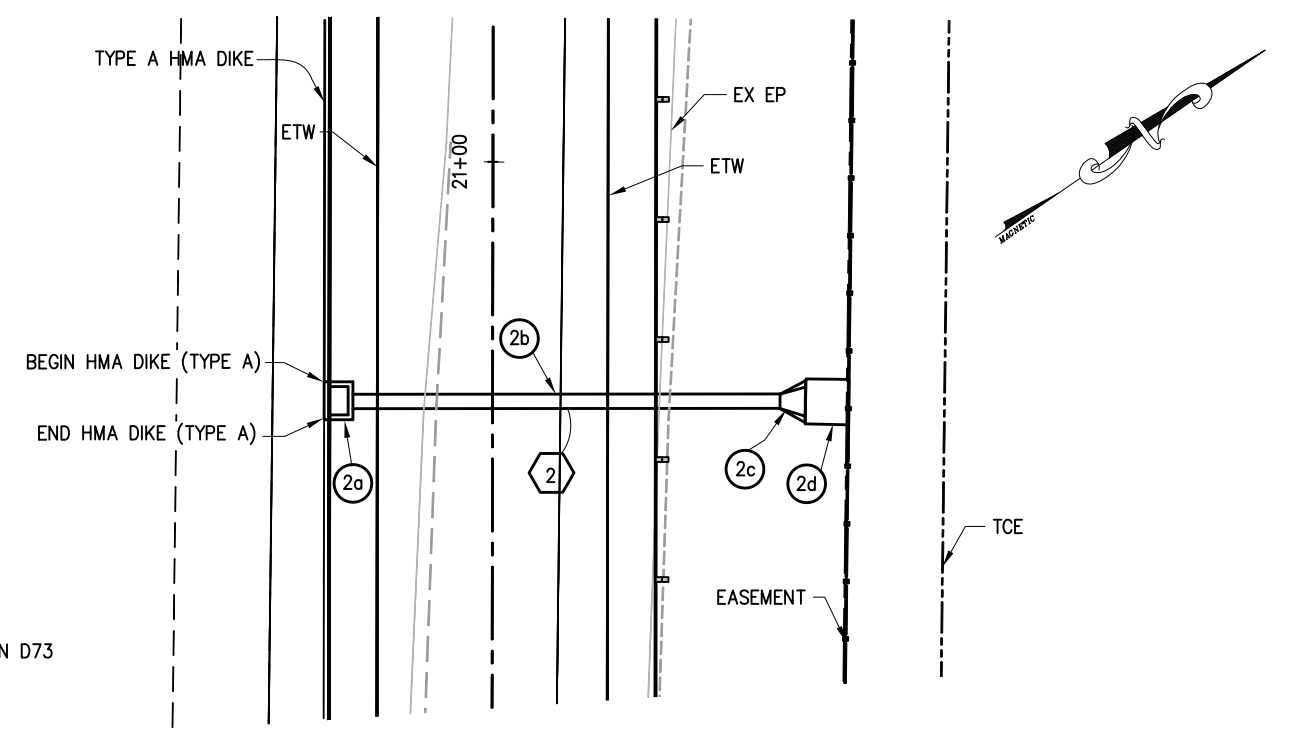
LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
EC-1
 7 OF 15
 W.O. No. **73359**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd. So of Westel-Ovict\Drawings\Sheets\D-1.dwg Layout Tab: D-1 PnP Jun 25 2013 8:22am msaed
 FOR REDUCED PLANS

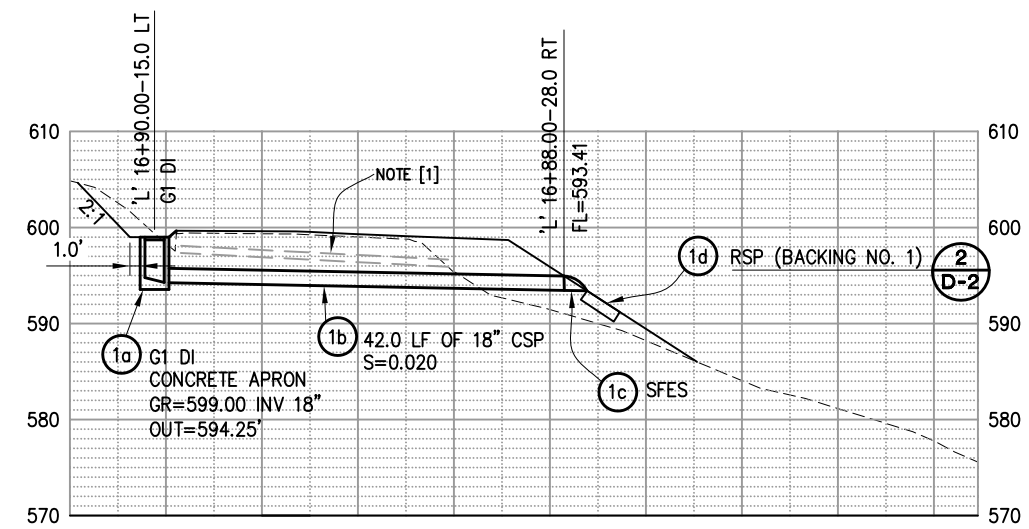


DRAINAGE SYSTEM 1 PLAN
 SCALE: 1:10

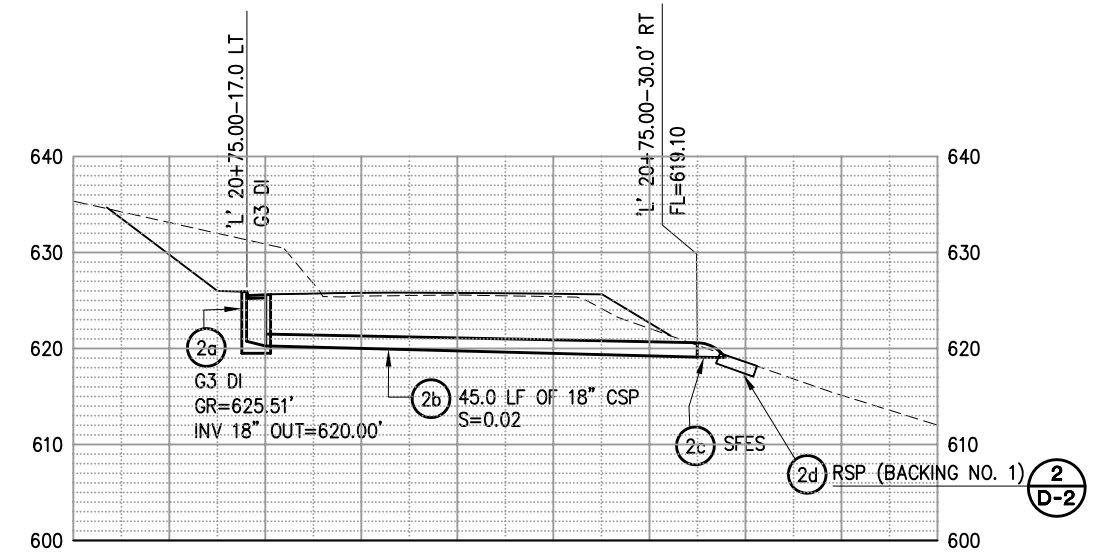


DRAINAGE SYSTEM 2 PLAN
 SCALE: 1:10

- NOTES:**
1. EXISTING 8" CMP CULVERT TO TO BE REMOVED
 2. G1 AND G3 INLETS, PER CT STD PLAN D73



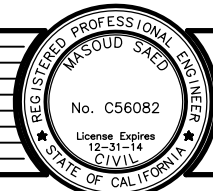
DRAINAGE SYSTEM 1 PROFILE



DRAINAGE SYSTEM 2 PROFILE

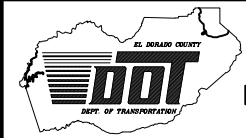
DRAINAGE PLAN & PROFILES

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
| | | | | |
| | | | | |



PREPARED UNDER THE SUPERVISION OF:
M Saed
 REGISTERED CIVIL ENGINEER

DESIGNED: **JMW**
 DRAWN: **JMW**
 CHECKED: **RC**
 DATE: **03/11/13**
 ROAD NUMBER: **18**

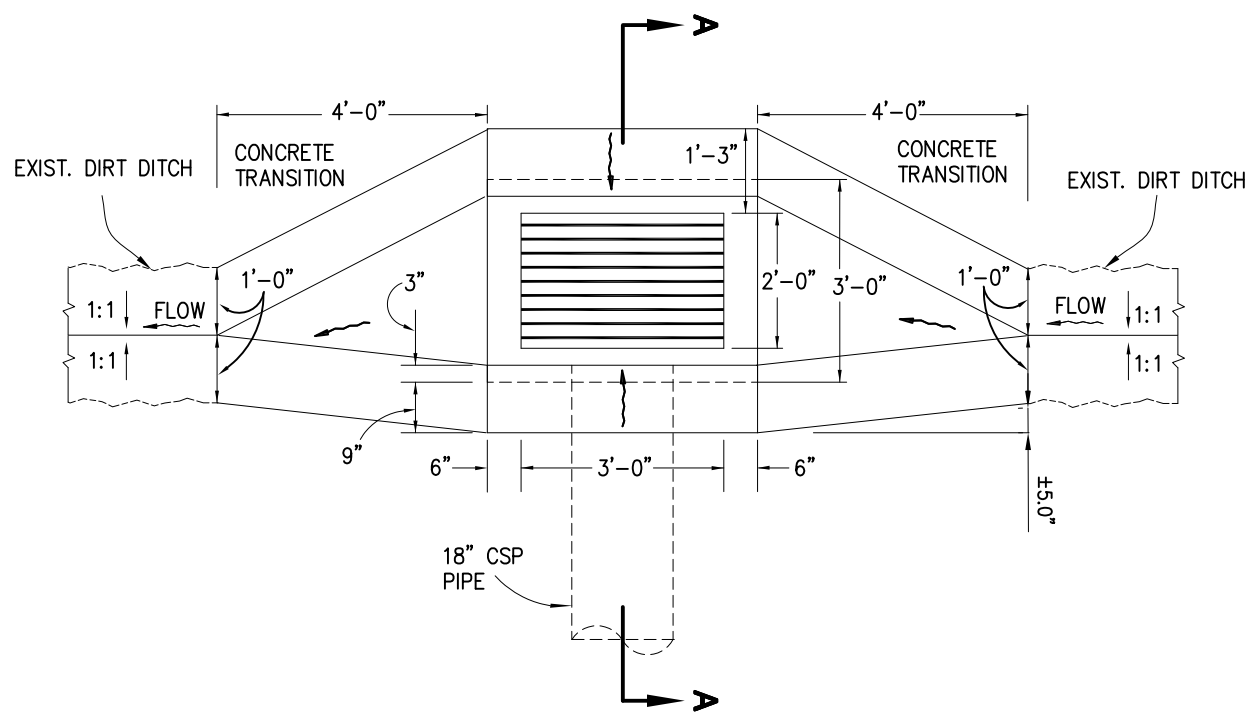


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

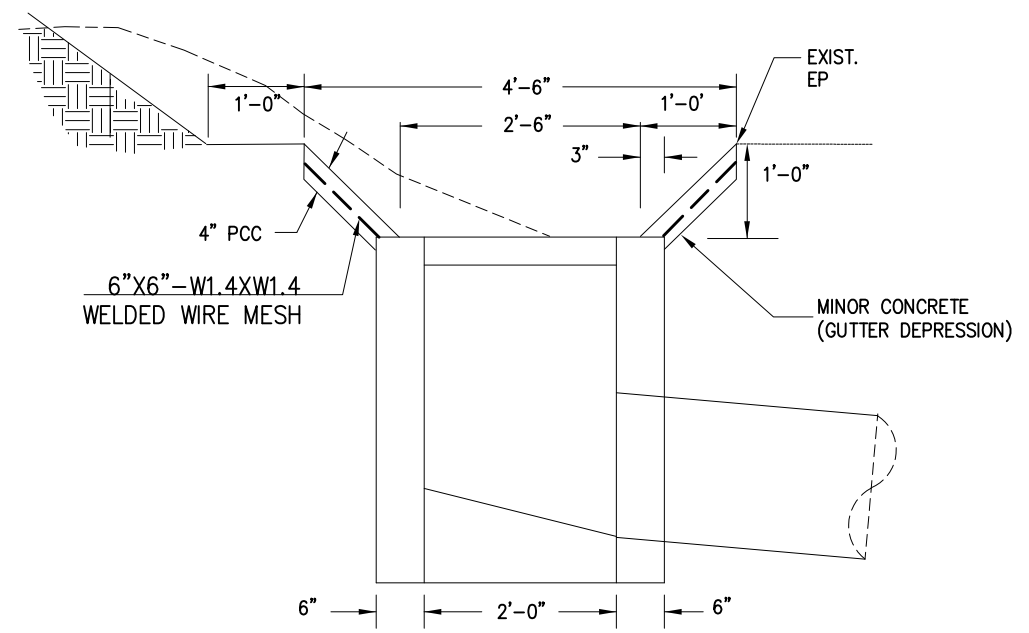
LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET **D-1**
 8 OF 15
 W.O. No. **73359**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd. So of Westel-Oviat\Drawings\Sheets\D-2.dwg Layout Tab: D-2 Details May 30,2013 - 4:37pm M.Saed
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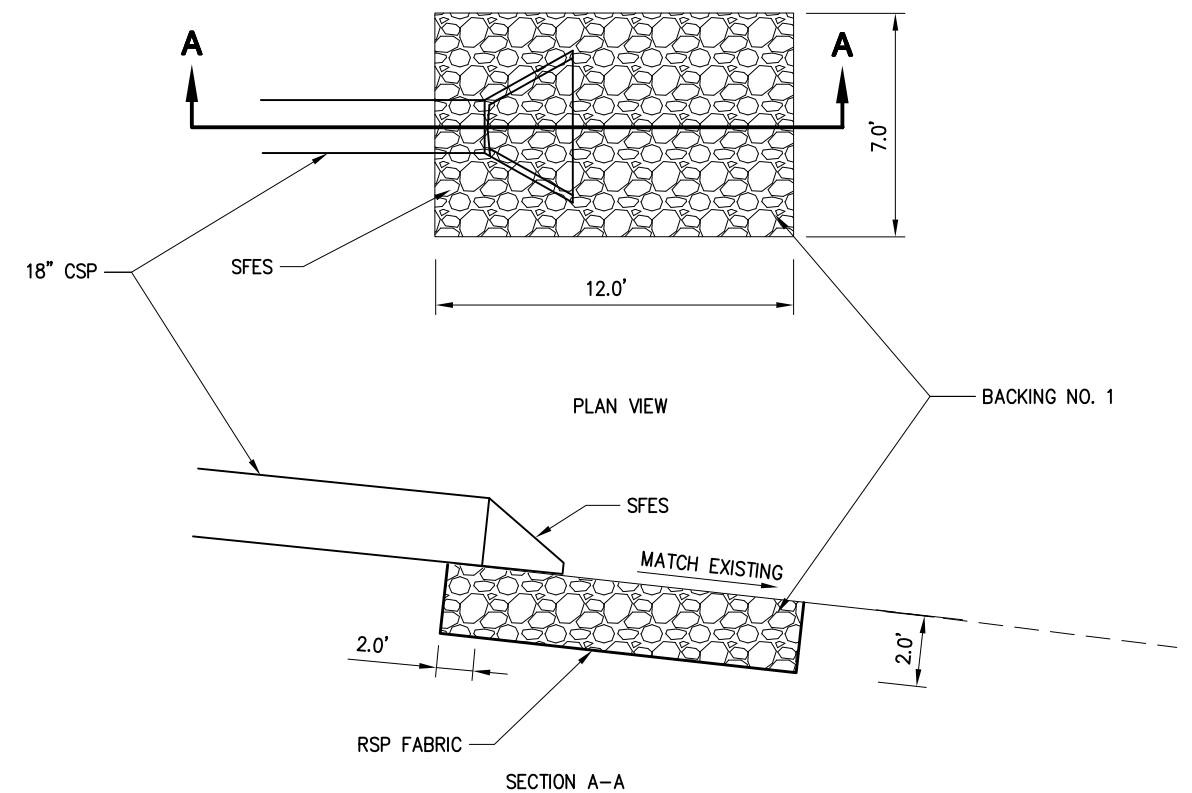
1 G1 INLET DEPRESSION DETAIL



SECTION A-A

| DRAINAGE PLAN SHEET NO. | DRAINAGE SYSTEM NO. | DRAINAGE UNIT | 18" CSP (0.109" THICK) | TYPE G1 D.I. | TYPE G3 D.I. | STEEL FES | H INLET DEPTH [N] | RSP (BACKING NO. 1) | RSP FABRIC [N] | MINOR CONCRETE GUTTER DEPRESSION | FRAME AND GRATE (TYPE 24-9) [N] | DESCRIPTION | STATION | DRAINAGE UNIT | DRAINAGE SYSTEM NO. | DRAINAGE PLAN SHEET NO. | |
|-------------------------|---------------------|---------------|------------------------|--------------|--------------|-----------|-------------------|---------------------|----------------|----------------------------------|---------------------------------|-------------|----------------------|----------------------|---------------------|-------------------------|---|
| | | | FT | EA | EA | EA | FT | CY | FT2 | CY | 1 | | | | | | |
| D-1 | 1 | a | 42.0 | 1 | | | 4.75 | | | 0.5 | 1 | S=0.020 | 'L' 16+90.00-15.0 LT | a | 1 | D-1 | |
| | | b | | | | 1 | | | 5.0 | 176 | | | S=0.020 | 'L' 16+88.00-28.0 RT | | | b |
| | | c | | | | | | | | | | | | | | | c |
| | | d | | | | | | | | | | | | | | | d |
| 2 | 2 | a | 45.0 | | 1 | | 5.51 | | | | 1 | S=0.020 | 'L' 20+75.00-17.0 LT | a | 2 | D-1 | |
| | | b | | | | | | | 5.0 | 176 | | | S=0.020 | 'L' 20+75.00-30.0 RT | | | b |
| | | c | | | | | | | | | | | | | | | c |
| | | d | | | | | | | | | | | | | | | d |
| TOTAL | | | 87.0 | 1 | 1 | 2 | | 10.0 | | | | | | | | | |

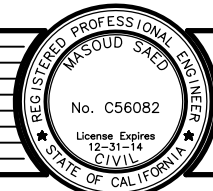
- 1- INLET DEPTH SHALL BE FROM FLOW LINE OF GRATE TO INVERT OUT.
- 2- [N] NOT A PAY QUANTITY, FOR INFORMATION ONLY.



2 RSP-BACKING NO. 1

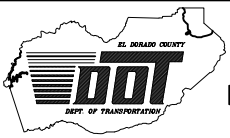
REFER TO STANDARD PLAN D94A AND STANDARD SPECIFICATIONS FOR DETAILS.

DRAINAGE DETAILS
SCALE : NONE



PREPARED UNDER THE SUPERVISION OF :
M.Saed
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18



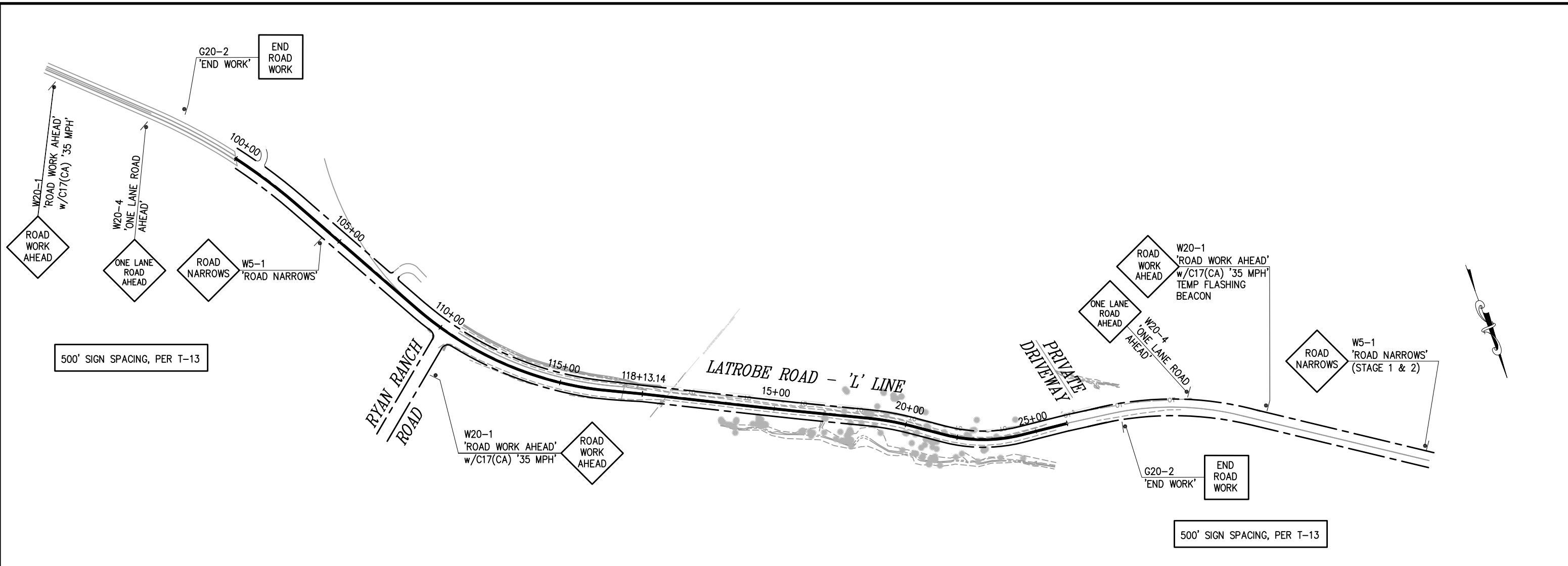
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
D-2
 9 OF 15
 W.O. No. **73359**

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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ORIGINAL SCALE IS IN INCHES
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 Layout Tab: CS-1 May 30, 2013 4:41pm M.Saeed
 FOR REDUCED PLANS



500' SIGN SPACING, PER T-13

500' SIGN SPACING, PER T-13

| CONSTRUCTION AREA SIGNS | | | | | |
|---------------------------|----------------------|--------------------|--------------------|-------------|-----------------------|
| SIGN | CODE | PANEL SIZE | POST SIZE & LENGTH | INSTALL EA. | STAGE OF CONSTRUCTION |
| | | | | | |
| ROAD WORK AHEAD 35 MPH | W20-1 W/ C17/(CA) | 36 x 36 24 x 24 | 4" x 6" | 3 | ALL |
| ONE LANE ROAD AHEAD | W20-4 | 36 x 36 | 4" x 6" | 2 | ALL |
| END ROAD WORK | G20-2 | 48 x 18 | 4" x 4" | 2 | ALL |
| PCMS | PCMS | | | 2 | ALL |
| ROAD NARROWS | W5-1 | 36 X 36 | 4" x 4" | 2 | ALL |

STAGE 1 & 2

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE ONLY.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 PCMS SIGN LOCATIONS, IN EACH DIRECTION OF TRAFFIC, SHALL BE DETERMINED BY THE ENGINEER.
 "ONE LANE ROAD AHEAD" SIGN SHALL BE COVERED AT ALL TIMES UNLESS THERE IS A REVERSIBLE LANE CLOSURE IN PROGRESS.

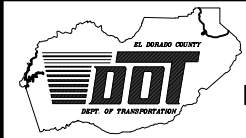
CONSTRUCTION AREA SIGNS
 SCALE : NO SCALE

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF :
M Saed
 REGISTERED CIVIL ENGINEER

| | |
|-----------------|----------------|
| DESIGNED: MS | DRAWN: MS |
| CHECKED: RC | DATE: 03/11/13 |
| ROAD NUMBER: 18 | |



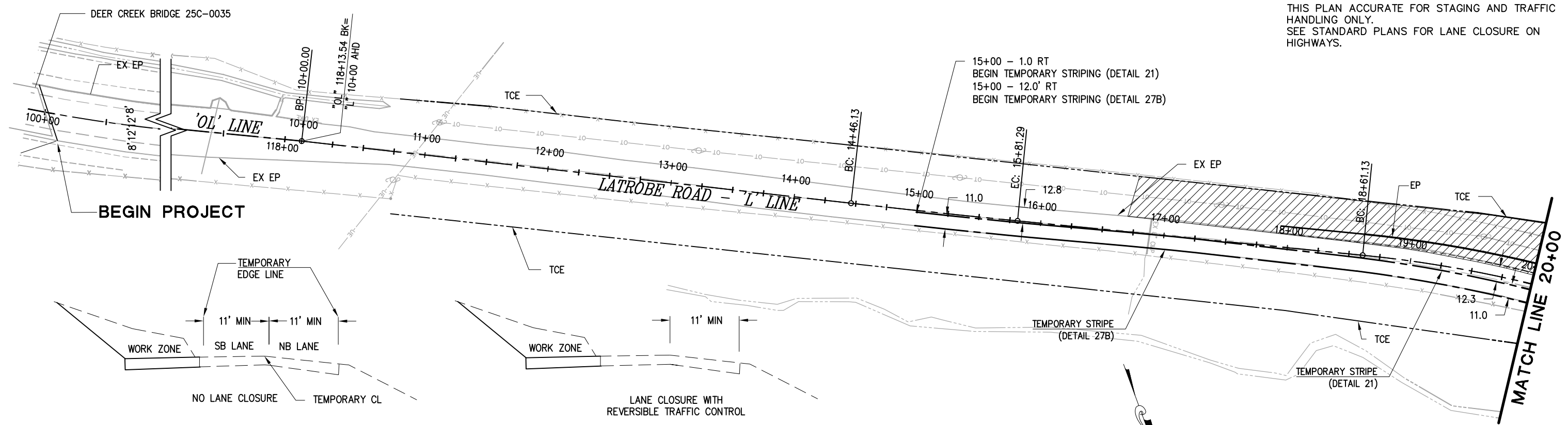
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN
 RANCH ROAD

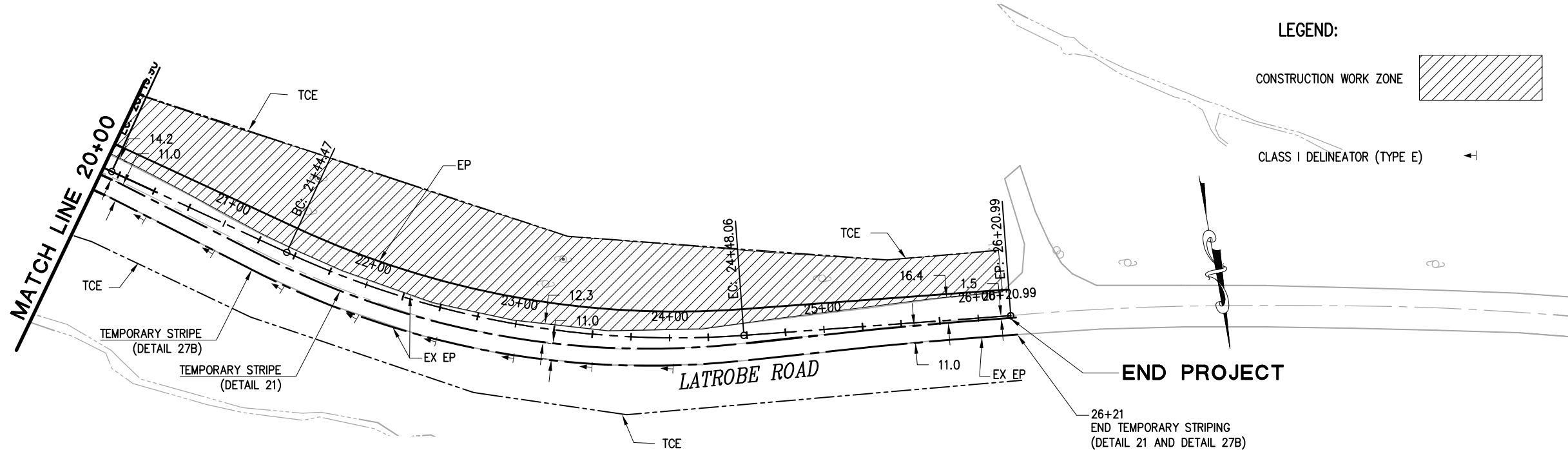
SHEET
CS-1
 10 OF 15
 W.O. No. **73359**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd. So of Westel-Ovict\Drawings\Sheets\SC-1.dwg
 Layout Tab: SC-1 Jun 25, 2013 9:13am msaed
 FOR REDUCED PLANS
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THIS PLAN ACCURATE FOR STAGING AND TRAFFIC HANDLING ONLY. SEE STANDARD PLANS FOR LANE CLOSURE ON HIGHWAYS.



STAGE 1
TYPICAL LANE CONFIGURATION



STAGE 1
SCALE: 1"=40'

LEGEND:

- CONSTRUCTION WORK ZONE
- CLASS I DELINEATOR (TYPE E)

NOTES:

- 1- LANE CLOSURE WITH REVERSIBLE TRAFFIC CONTROL PERMITTED DURING ACTIVE CONSTRUCTION OPERATIONS ONLY. MAINTAIN TWO 11' (MINIMUM) LANES AT ALL OTHER TIMES.
- 2- INSTALL TEMPORARY MARKER/ DELINEATOR (CL 1 TYPE E) AT OUTSIDE EP FROM STA 20+50 TO STA 24+00.
- 3- COMPLETELY REMOVE ALL EXISTING STRIPING, MARKING AND SIGNS THAT CONFLICT WITH TEMPORARY STRIPING TO SATISFACTION OF THE ENGINEER, PRIOR TO INSTALLING TEMPORARY STRIPING. TEMPORARY TRAFFIC STRIPE SHALL BE REMOVED AT THE END OF STAGE 1 CONSTRUCTION.
- 4- INSTALL A 4:1 OR FLATTER TEMPORARY TAPER IF A DIFFERENCE OF 0.15 FOOT EXISTS BETWEEN THE ELEVATION OF THE EXISTING PAVEMENT AND THE ELEVATION OF THE EXCAVATION AT THE END OF EACH WORKING DAY.

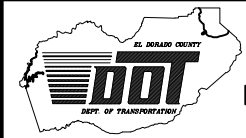
STAGE CONSTRUCTION
STAGE 1
SCALE : AS SHOWN

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF:
Msaed
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18

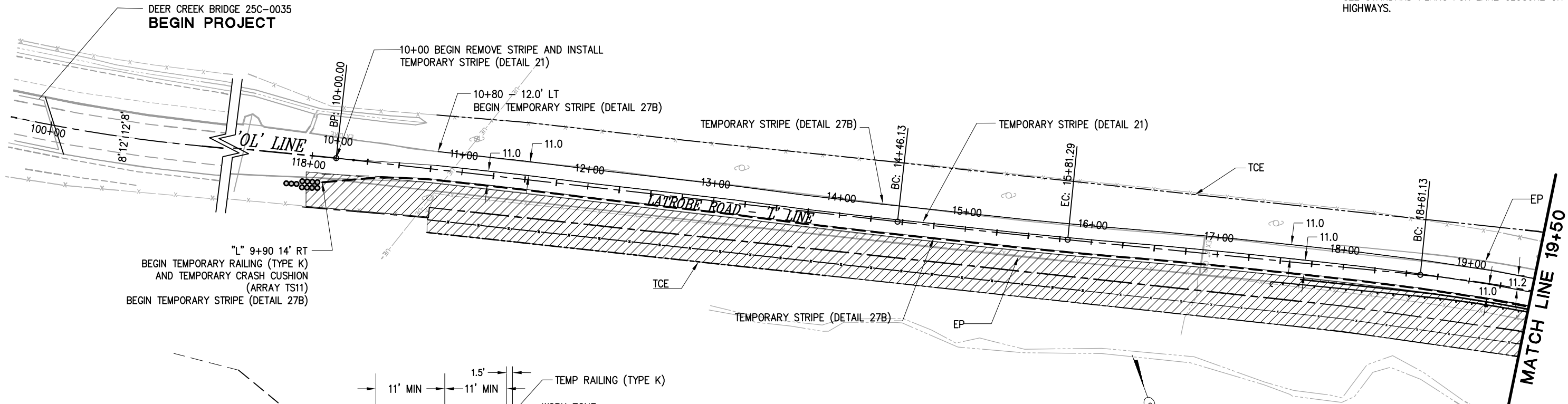


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

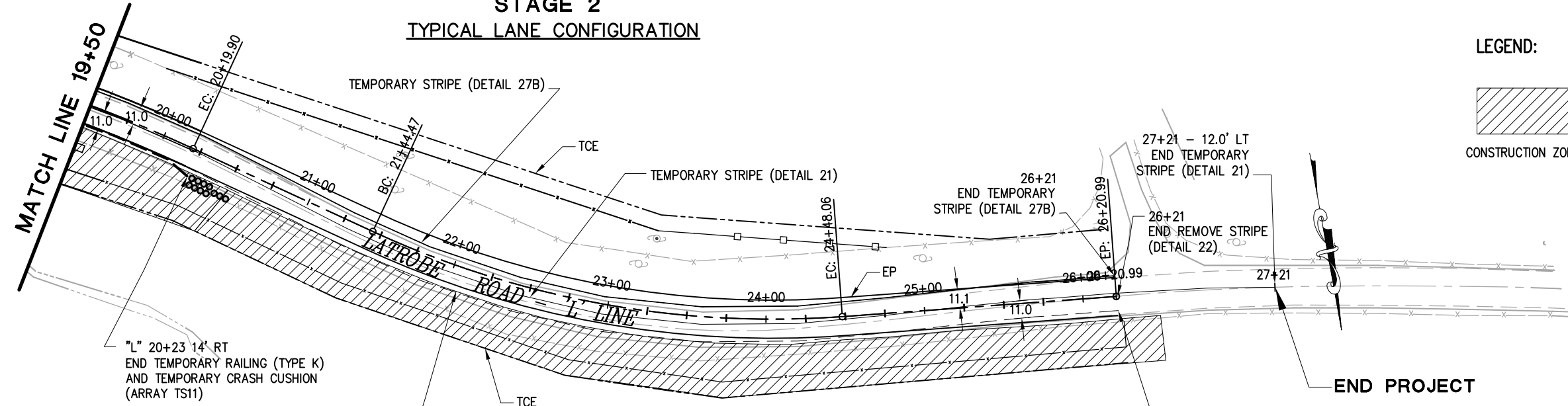
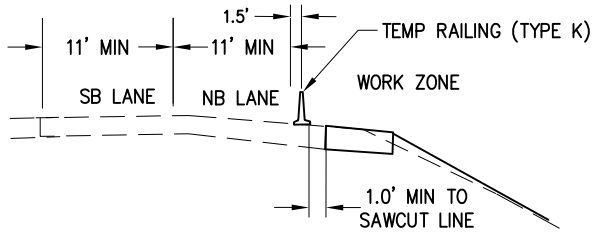
LATROBE ROAD NORTH OF RYAN
RANCH ROAD

SHEET
SC-1
11 OF 15
W.O. No. **73359**

THIS PLAN ACCURATE FOR STAGING AND TRAFFIC CONTROL HANDLING ONLY.
SEE STANDARD PLANS FOR LANE CLOSURE ON HIGHWAYS.

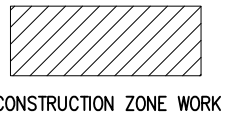


STAGE 2
TYPICAL LANE CONFIGURATION



STAGE 2
SCALE: 1"=40'

LEGEND:



NOTES:

- 1- LANE CLOSURE WITH REVERSIBLE TRAFFIC CONTROL PERMITTED DURING ACTIVE CONSTRUCTION OPERATIONS ONLY. MAINTAIN TWO 11' (MINIMUM) LANES AT ALL OTHER TIMES.
- 2- TEMP CRASH CUSHION SHALL BE ARRAY "TS11"
- 3- TRAFFIC HANDLING FOR PAVING OPERATIONS NOT INCLUDED IN PLAN
- 4- ENTIRELY REMOVE ALL EXISTING STRIPING, MARKING AND SIGNS THAT CONFLICT WITH TEMPORARY STRIPING TO SATISFACTION OF THE ENGINEER, PRIOR TO INSTALLING TEMPORARY STRIPING. TEMPORARY TRAFFIC STRIPE SHALL BE REMOVED AT THE END OF STAGE 2 CONSTRUCTION

STAGE CONSTRUCTION
STAGE 2
SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd. So of Westel-Oviat\Drawings\Sheets\SC-2.dwg Layout Tab: SC-2 May 30, 2013 4:39pm MSaad
FOR REDUCED PLANS

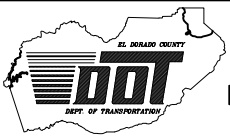
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PREPARED UNDER THE SUPERVISION OF:
Msaed
REGISTERED CIVIL ENGINEER

DESIGNED: MS
CHECKED: RC
ROAD NUMBER: 18

DRAWN: MS
DATE: 03/22/13



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN
RANCH ROAD

SHEET
SC-2
12 OF 15
W.O. No. **73359**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D Projects\73359 Latrobe Rd. So of West-Ovict\Drawings\Sheets\SC-3.dwg Layout Tab: SC-3 Jun 25,2013 -- 8:18am msced
 FOR REDUCED PLANS
 REVISION



| TEMPORARY TRAFFIC STRIPE (PAINT) | | | | |
|-----------------------------------|----------|------------------------|--------|---------------------------|
| LOCATION | 'L' LINE | DETAIL NO. (STD PLANS) | LENGTH | DESCRIPTION |
| | | | FT | |
| LATROBE ROAD STA 15+00 - 26+21 | | 21 - A20A | 1,121 | CENTERLINE 2 DIRECTION |
| LATROBE ROAD STA 15+00 - 26+21 | | 27B - A20B | 1,121 | EDGE LINE 1 DIRECTION |
| LATROBE ROAD STA 10+00 - 27+21 | | 21 - A20A | 1,721 | CENTERLINE 2 DIRECTION |
| LATROBE ROAD STA 10+00 - 26+21 | | 27B - A20B | 3,242 | EDGE LINE 1 DIRECTION |
| TOTAL | | | 7,205 | |

| TEMPORARY DELINEATOR | | |
|----------------------|----------|----|
| CLASS 1 TYPE E | | |
| LOCATION | 'L' LINE | EA |
| STA 20+50 - 24+00 | | 8 |
| TOTAL | | 8 |

| TEMPORARY RAIL | | |
|---|----------|-------|
| TYPE K SHALL INCLUDE TOP MOUNTED REFLECTORS | | |
| LOCATION | 'L' LINE | FT |
| STA 10+00 - 20+23 | | 1,023 |
| TOTAL | | 1,023 |

| TEMPORARY CRASH CUSHIONS | | |
|------------------------------|----------|-------------|
| ARRAY TS11 PER STD PLAN - T2 | | |
| LOCATION | 'L' LINE | MODULE (EA) |
| STA 10+00 - 11' RT | | 11 |
| STA 20+00 - 11' RT | | 11 |
| TOTAL | | 22 |

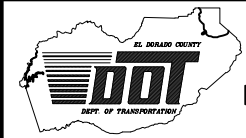
| REMOVE TRAFFIC STRIPE | | |
|-----------------------|----------|-------|
| THERMOPLASTIC | | |
| LOCATION | 'L' LINE | EA |
| STA 10+00 - 26+21 | | 1,621 |
| TOTAL | | 1,621 |

STAGE CONSTRUCTION
SCALE : NO SCALE



PREPARED UNDER THE SUPERVISION OF :
M Saed
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18



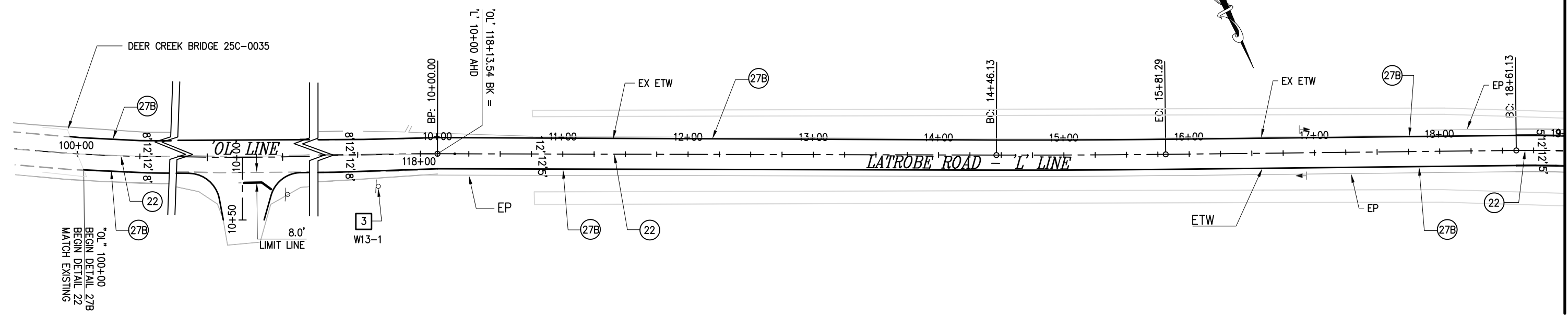
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN
 RANCH ROAD

SHEET
 SC-3
 13 OF 15
 W.O. No. 73359

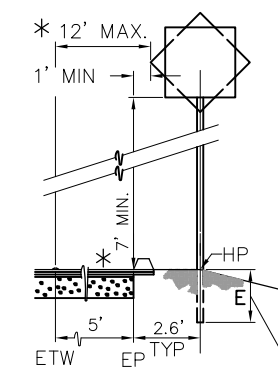
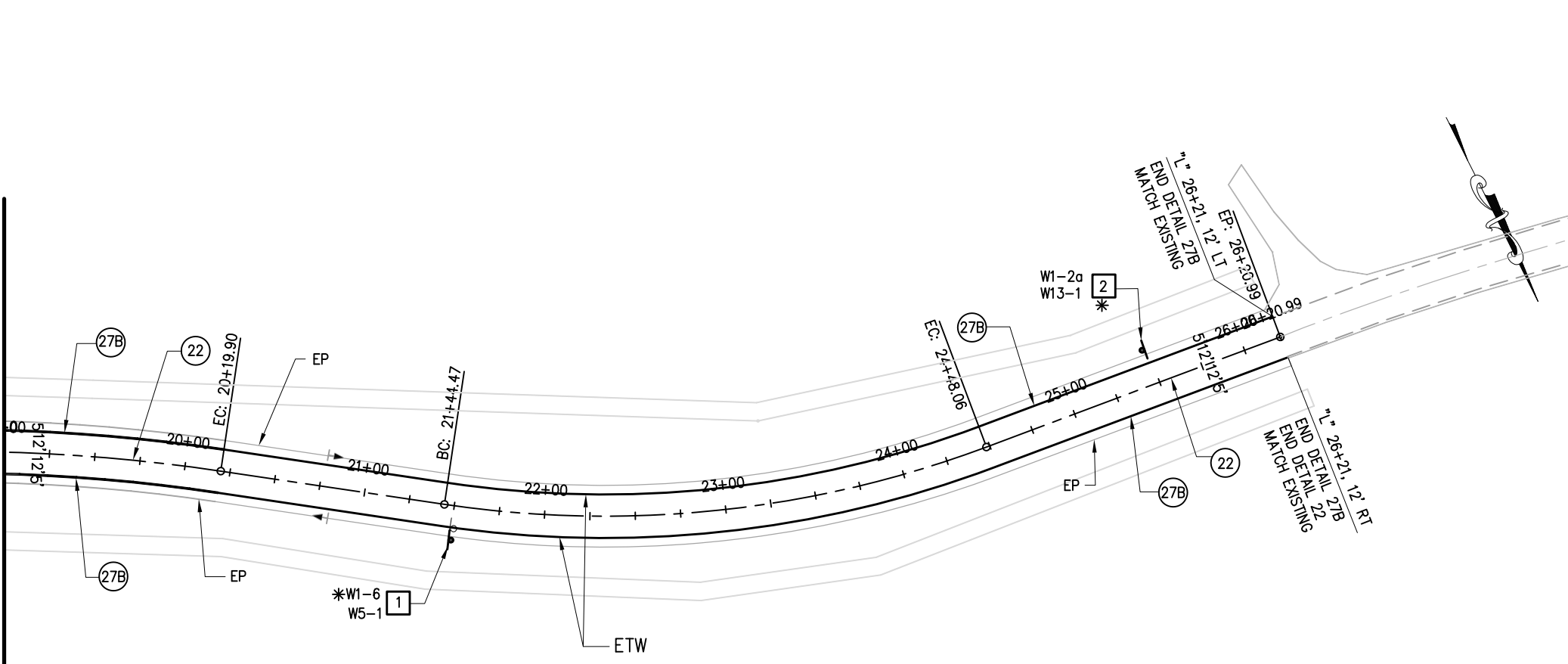
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 FOR REDUCED PLANS



MATCH LINE 19+00 SEE BELOW

MATCH LINE 19+00 SEE ABOVE



NOTE:
 WHERE HP OF EMBANKMENT SLOPE STEEPER THAN 4:1 (VERT: HORIZ) IS LESS THAN 2' FROM SIGN POST, "E" DISTANCE SHALL BE INCREASED BY 1/3
 * WHERE CLEARANCE FROM ETW IS GREATER THAN 12', USE STD PLAN RS-1

TYPICAL SIGN LOCATION DETAIL

N.T.S.
 SEE ALSO STD PLAN RS-2

SIGNING AND STRIPING LEGEND

- (No) PAVEMENT DELINEATION DETAIL NO.
- [No] SIGN NUMBER
- EXIST. SIGN
- INSTALL SIGN
- ▬ INSTALL CULVERT MARKER
- *

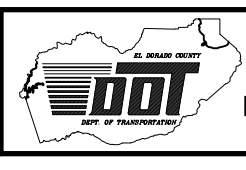
SIGNING AND PAVEMENT DELINEATION
 SCALE : 1" = 40'H

| REVISION | NUMBER | DATE | DESCRIPTION | BY |
|----------|--------|------|-------------|----|
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PREPARED UNDER THE SUPERVISION OF :
M Saad
 REGISTERED CIVIL ENGINEER

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18



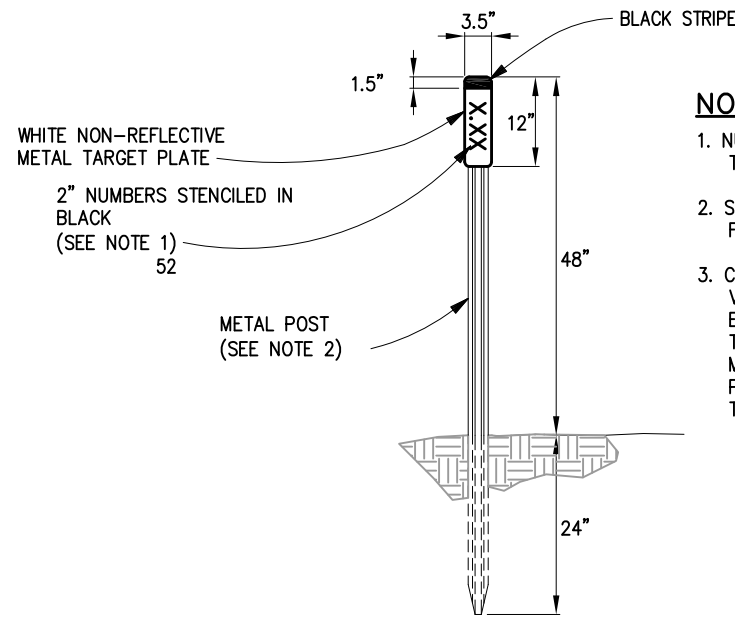
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
SPD-1
 14 OF 15
 W.O. No. **73359**

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\73359 Latrobe Rd. So of West-Oviat\Drawings\Sheets\SPD-2.dwg Layout Tab: Layout1 Jun 25, 2013 9:14am msaeed
 FOR REDUCED PLANS
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| THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) | | | | THERMOPLASTIC PAVEMENT MARKING | | | |
|--|---------------------------------|--------|------------------------|--------------------------------|--------------|--------------|--------------|
| STATION | PAVEMENT MARKER (REFLECTIVE) EA | | DETAIL NO. (STD PLANS) | DESCRIPTION | 4" | | 12" |
| | TYPE D | TYPE G | | | WHITE (LF) | YELLOW (LF) | WHITE (SQFT) |
| | | | | | | | |
| 'OL' 100+00 TO 118+13.5 | 154 | | 22 - A20A | CENTERLINE | | 1,814 | |
| 'L' 10+00 TO 26+21 | 138 | | 22 - A20A | CENTERLINE | | 1,621 | |
| 'R' 10+20 | | | | LIMIT LINE | | | 20 |
| 'OL' 100+00 TO 118+13.5 LT & RT | | | 27B - A20B | EDGE LANE | 3,627 | | |
| 'L' 10+00 TO 26+21 LT & RT | | | 27B - A20B | EDGE LANE | 3,242 | | |
| TOTAL | 292 | | | | 6,869 | 3,435 | 20 |



OBJECT MARKER (CULVERT)
N.T.S.

NOTES:

1. NUMBERS AS DESIGNATED BY THE ENGINEER.
2. SEE STANDARD PLAN A73B FOR METAL POST DETAILS.
3. CONTRACTOR SHALL FIELD VERIFY MILE POST WITH ENGINEERS APPROVAL PRIOR TO ORDERING AND PLACING METAL TARGET PLATES. MILE POST IS APPROXIMATE ON THESE PLANS.

| ROADWAY SIGN SUMMARY | | | | | | | |
|----------------------|--------------|----------------------|-----------------|-------------|---------------|-------------------|-------------------|
| SIGN NO. | SIGN MESSAGE | CALIFORNIA (CA) CODE | ROADSIDE SIGNS | | | EXISTING LOCATION | PROPOSED LOCATION |
| | | | PANEL SIZE (IN) | REMOVE (EA) | ONE POST (EA) | | |
| 1 | ARROW | W1-6 | 24 X 12 | 1 | 1 | 21+50-14' RT | 21+50-19.5' RT |
| 1 | ROAD NARROWS | W5-1 | 24 X 12 | | 1 | 21+50-14' RT | 21+50-19.5' RT |
| 2 | ARROW | W1-2a | 30 X 30 | 1 | 1 | 25+50-18' LT | 25+50-19.5' LT |
| 2 | 40 MPH | W13-1 | 30 X 30 | 1 | 1 | 25+50-18' LT | 25+50-19.5' LT |
| 3 ** | 40 MPH | W13-1 | 30 X 30 | 1 | 1 | | |
| TOTAL | | | | 4 | 5 | | |

** REMOVE AND SALVAGE, EXISTING 35 MPH SIGN PANEL. INSTALL NEW 40 MPH SIGN PANEL.

SIGNING AND PAVEMENT DELINEATION
SCALE : NO SCALE

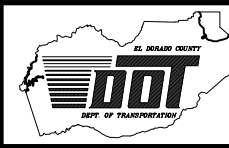
REVISION

| NUMBER | DATE | DESCRIPTION | BY |
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PREPARED UNDER THE SUPERVISION OF:
M. Saed
 REGISTERED CIVIL ENGINEER
 DATE: _____

DESIGNED: MS
 DRAWN: MS
 CHECKED: RC
 DATE: 03/11/13
 ROAD NUMBER: 18



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

LATROBE ROAD NORTH OF RYAN RANCH ROAD

SHEET
SPD-2
 15 OF 15
 W.O. No. **73359**