

DEPARTMENT OF TRANSPORTATION
COUNTY OF EL DORADO, CA

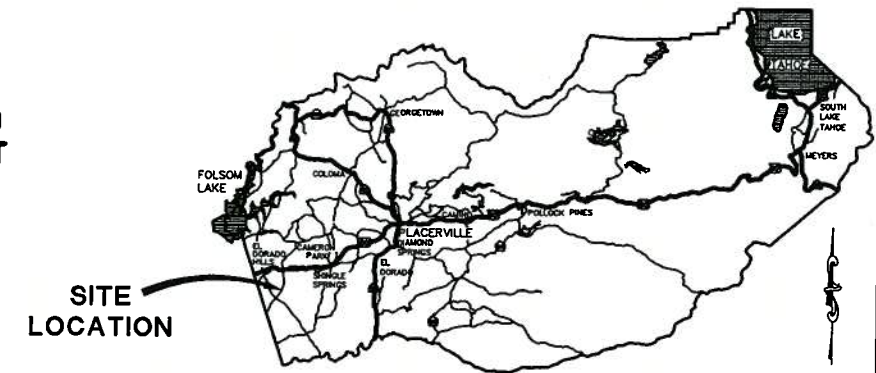
PROJECT PLANS FOR THE CONSTRUCTION OF
**WHITE ROCK ROAD WIDENING
AND SIGNALIZATION**

IN THE COUNTY OF EL DORADO, DISTRICT 2
APPROXIMATELY 0.44 MILES SOUTH OF US-50

To be supplemented with Standard Plans and Specifications dated May 2006, including the
amendments to the May 2006 Standard Specifications of the California Department of
Transportation, unless otherwise noted.

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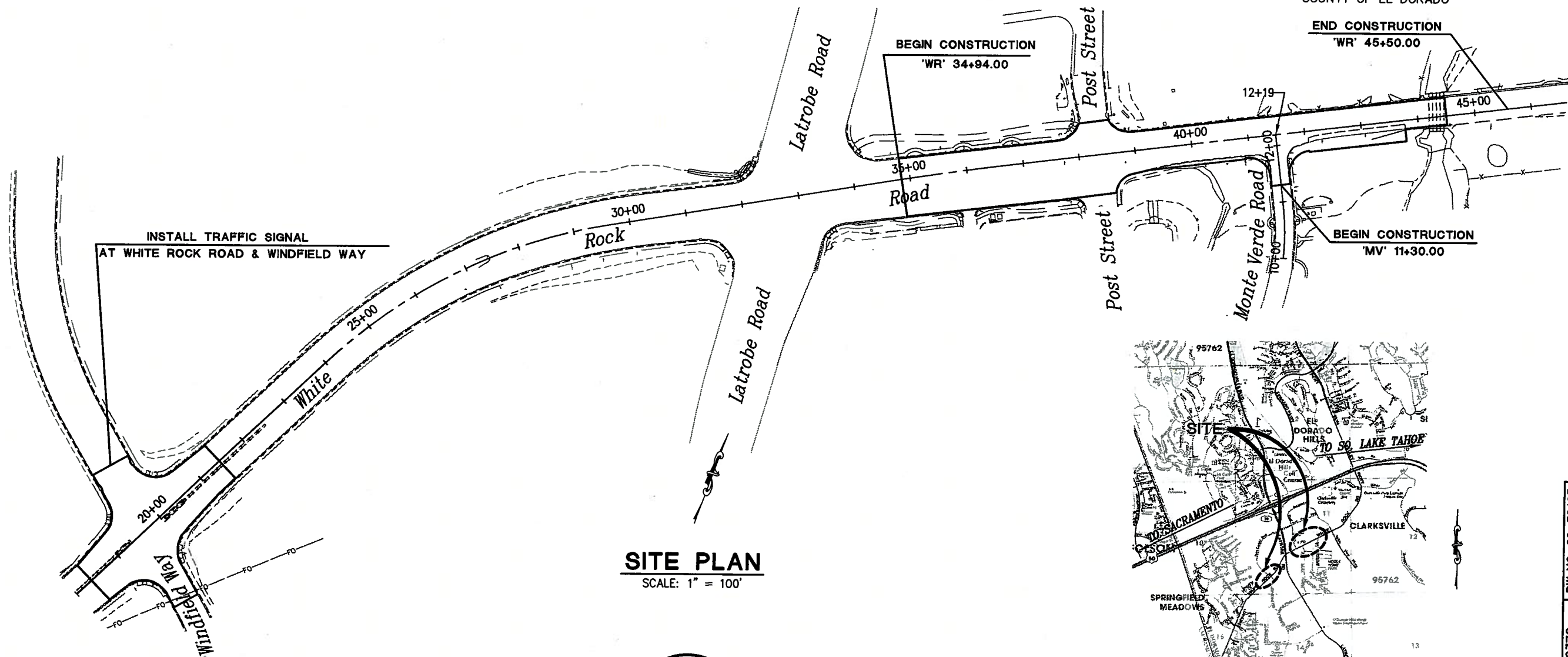
SHEET	PLAN SHEET	TITLE
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VICINITY MAP

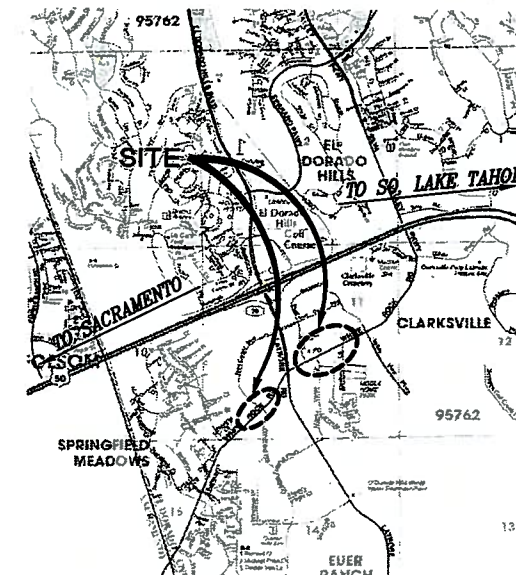
COUNTY OF EL DORADO

END CONSTRUCTION
'WR' 45+50.00



SITE PLAN

SCALE: 1" = 100'



LOCATION MAP

NOT TO SCALE

BOARD OF SUPERVISORS
JOHN KNIGHT
RAY NUTTING
JAMES SWEENEY
RON V. BRIGGS
NORMA SANTIAGO

COUNTY OF EL DORADO
DEPARTMENT OF
TRANSPORTATION
(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA
95667

APPROVED AND APPROVED BY: [Signature]
DATE: 8-17-10
APPROVED BY: [Signature]
DATE: 8/16/10
APPROVED BY: [Signature]
DATE: 8/16/10
JAMES W. WARE, P.E., No. C63574
DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION
MATTHEW D. SMILTZER, P.E., No. C63574
DEPUTY DIRECTOR OF ENGINEERING, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

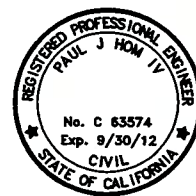
CONTRACT NO. 72372 PW NO. 09-30493

WHITE ROCK ROAD WIDENING
AND SIGNALIZATION
TITLE SHEET
1 OF 23

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Kenables\CADD Files\Sheets\Refined\Refined_Dim_Sheet1.dwg

REVISIONS

MARK	DATE	BY



SUBMITTED BY: Paul J. Hom DATE: 8-06-2010
CIVIL ENGINEER
STATE OF CALIFORNIA NO. C63574

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 2
 1
 0
 Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\CADD Sheets\Reduced Budget Plan Sheets\CD-1.dwg Layout Tab: CD-1 Aug 18, 2010 - E

WR-LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C1	715.73	2500.00	N 34° 34' 01" E - 713.29	16° 24' 12"
C2	569.82	950.00	N 43° 32' 55" E - 561.31	34° 21' 59"
C3	205.06	5000.00	N 61° 54' 24" E - 205.04	2° 20' 59"
C4	294.55	109967.00	N 63° 09' 30" E - 294.55	0° 09' 12"
C5	199.89	30033.00	N 63° 02' 39" E - 199.89	0° 22' 53"
L1	124.18		N 42° 46' 07" E	
L2	557.71		N 26° 21' 55" E	
L3	505.54		N 60° 43' 54" E	
L4	269.79		N 63° 04' 53" E	
L5	644.00		N 63° 14' 06" E	

WF-LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C7	382.34	700.00	N 33° 56' 21" W - 377.60	31° 17' 41"
C8	403.80	304.00	N 11° 32' 01" W - 374.76	76° 06' 21"
L8	177.21		N 18° 17' 30" W	
L9	387.25		N 49° 35' 12" W	
L10	25.42		N 26° 31' 09" E	

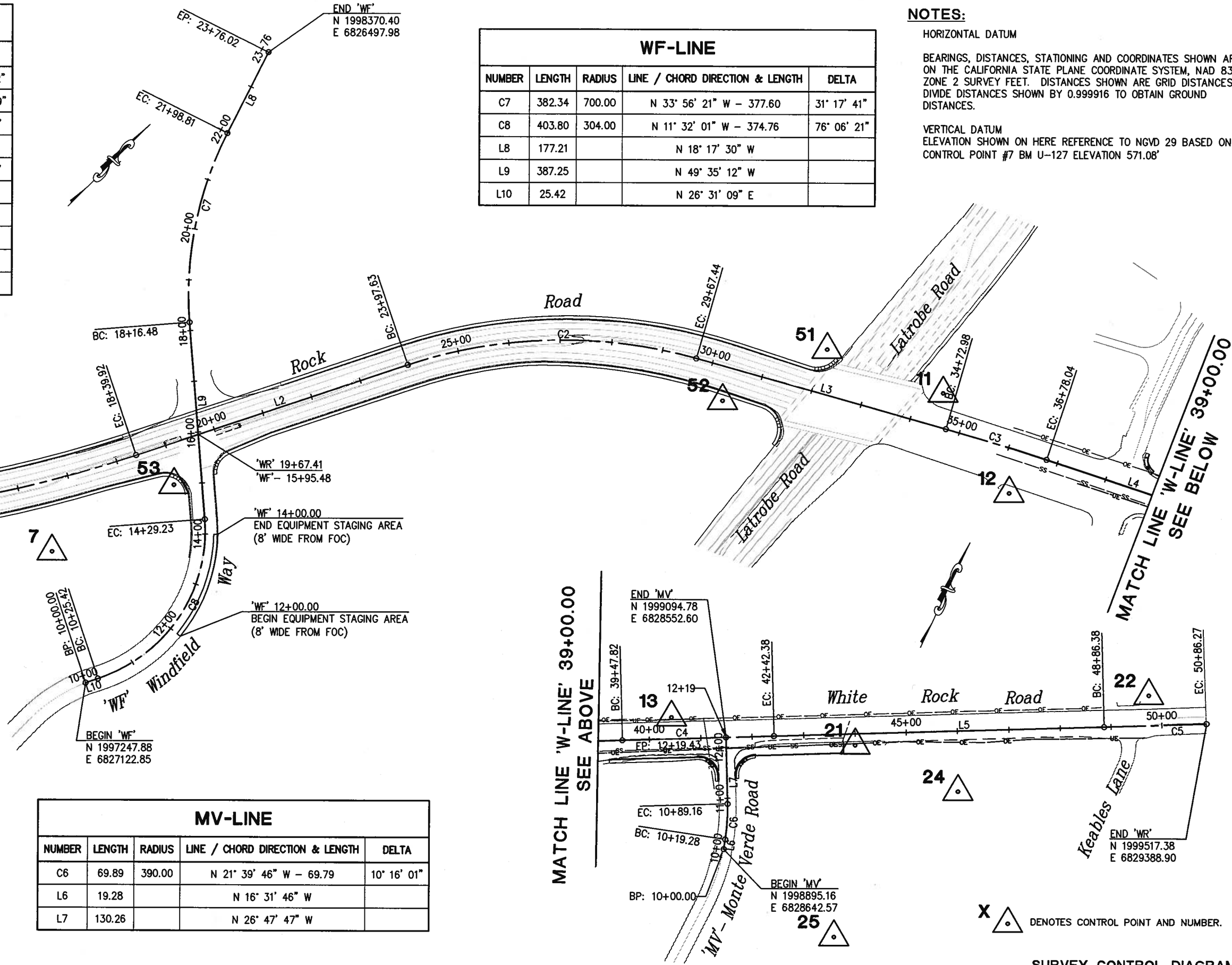
NOTES:

HORIZONTAL DATUM
 BEARINGS, DISTANCES, STATIONING AND COORDINATES SHOWN ARE ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, NAD 83 ZONE 2 SURVEY FEET. DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES SHOWN BY 0.999916 TO OBTAIN GROUND DISTANCES.

VERTICAL DATUM
 ELEVATION SHOWN ON HERE REFERENCE TO NGVD 29 BASED ON CONTROL POINT #7 BM U-127 ELEVATION 571.08'

CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
7	1997382.25	6826893.88	571.08	CP U-127
11	1998830.43	6827897.69	599.49	CP
12	1998783.70	6828127.32	599.48	CP
13	1999085.00	6828439.71	583.55	CP
21	1999187.63	6828786.14	578.73	CP
22	1999520.34	6829263.72	594.16	CP
23	1999664.62	6829722.82	594.31	CP
24	1999191.36	6829007.14	584.30	CP
25	1998830.52	6828909.96	581.06	CP
51	1998729.96	6827677.01	605.14	CP 10in
52	1998515.59	6827605.29	599.25	CP 10in
53	1997642.58	6826969.28	563.82	CP 10in

MV-LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C6	69.89	390.00	N 21° 39' 46" W - 69.79	10° 16' 01"
L6	19.28		N 16° 31' 46" W	
L7	130.26		N 26° 47' 47" W	



X DENOTES CONTROL POINT AND NUMBER.

SURVEY CONTROL DIAGRAM
 SCALE : 1" = 50'



PREPARED UNDER THE SUPERVISION OF:
Loren A. Mansano
 PROFESSIONAL LAND SURVEYOR
 DATE: 08/06/10

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34

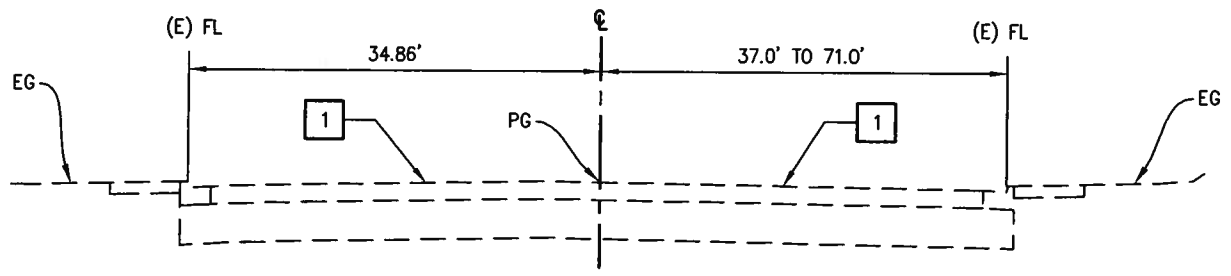


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

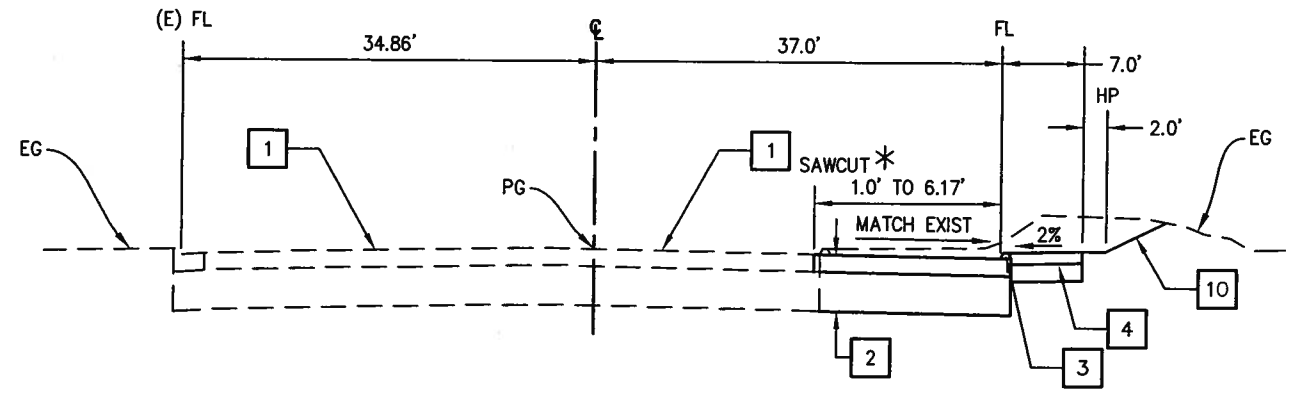
WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION

SHEET
 CD-1
 2 OF 23
 W.O. No. 72372

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\CADD Sheets\Reduced Budget Plan Sheets\X-1.dwg Layout Tab: X-1 Aug 16, 2010 - 11:00



'WR' - 34+85.00 TO 39+21.02



'WR' - 39+21.02 TO 40+92.91

* SEE DETAIL 2 ON SHEET C-1 & SHEET L-2 FOR SAWCUT LOCATIONS

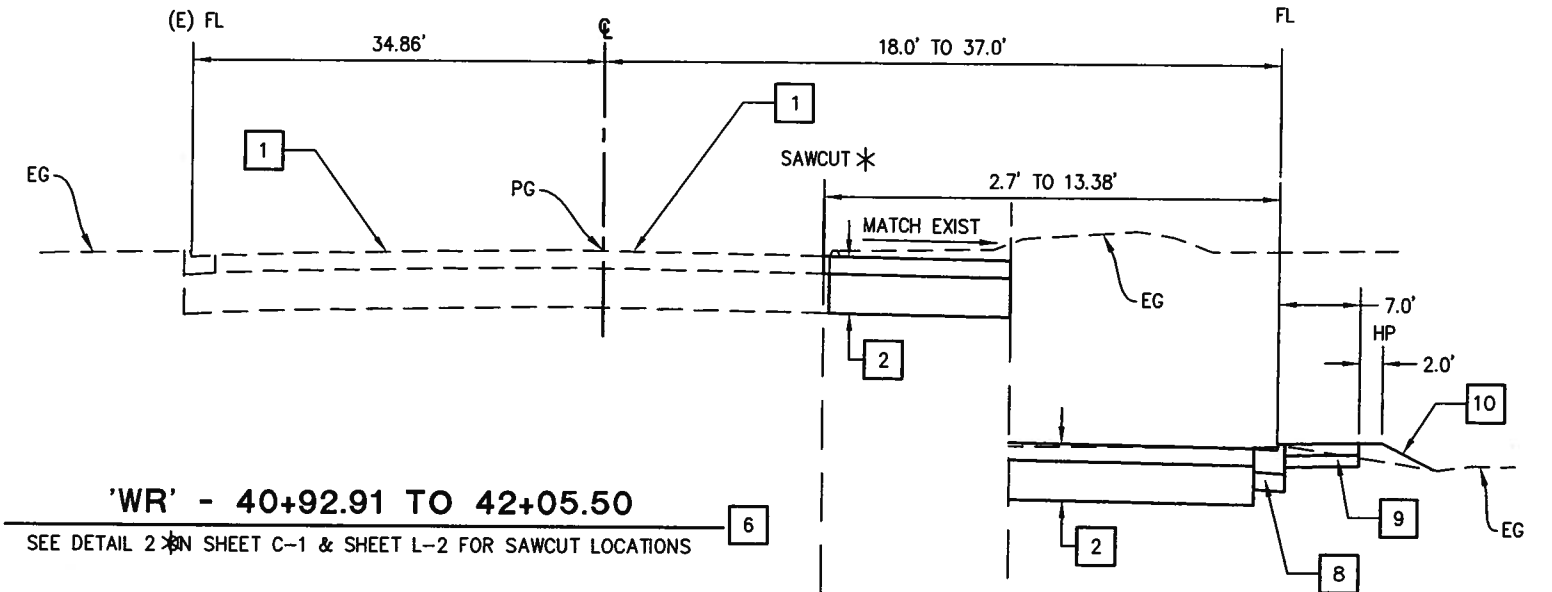
GENERAL NOTES:

1. EXACT LOCATION OF SAWCUT, TYPES OF DIKE, CURB AND GUTTER, AND SIDEWALKS ARE SHOWN ON LAYOUT SHEETS.

CONSTRUCTION NOTES:

- 1 - TYPE II SLURRY SEAL.
- 2 - 0.5' HMA (TYPE A)
1.13' AB (CLASS II)
TYPE II SLURRY SEAL
- 3 - TYPE A HMA DIKE ON 0.5' HMA & 1.13' AB. SEE CALTRANS STANDARD A87B.
- 4 - 0.33' HMA ON 0.5' AB (CLASS II) SIDEWALK. SEE DETAIL 3, SHEET C-1.
- 6 - FOR INTERSECTION DETAIL, SEE SHEET C-1
- 8 - TYPE A2-6 CURB AND GUTTER WITH 0.5' AB (CLASS II), SEE CALTRANS STANDARD A88A.
- 9 - 0.33' CONCRETE ON 0.33' AB (CLASS II) SIDEWALK.
- 10 - CUT SLOPE 2:1, FILL SLOPE 3:1
- 13 - 2" AB SHOULDER BACKING

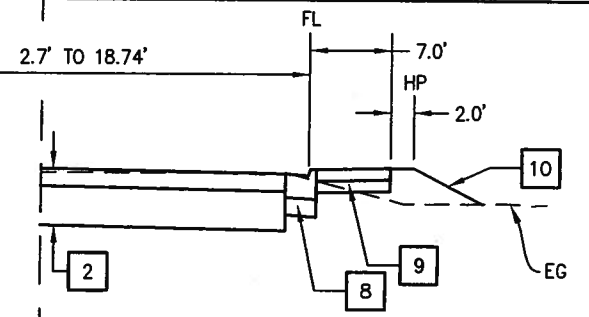
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2030 ADT	53,400
R	13
T	9



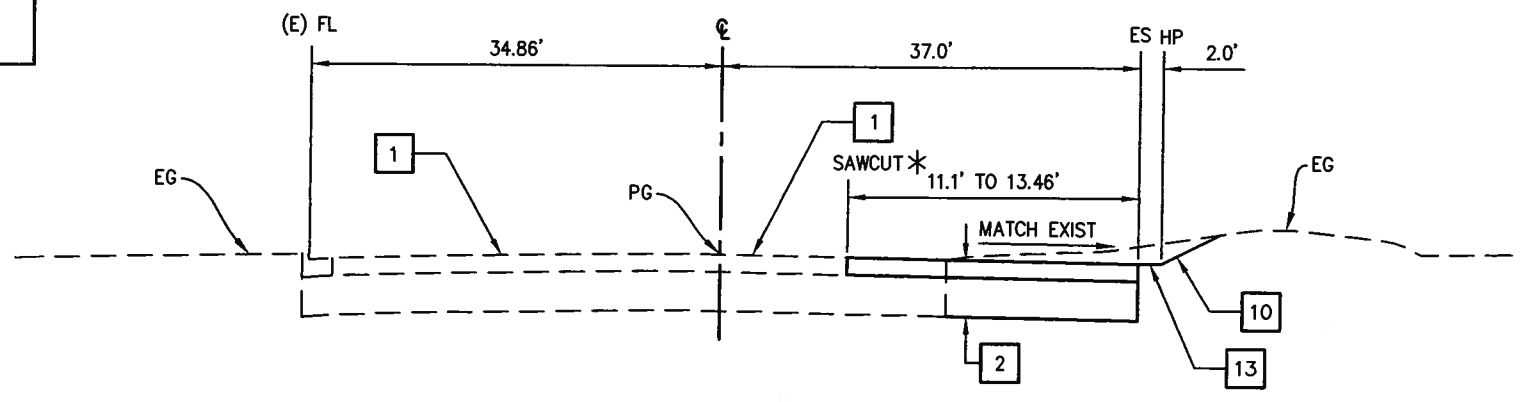
'WR' - 40+92.91 TO 42+05.50

SEE DETAIL 2 ON SHEET C-1 & SHEET L-2 FOR SAWCUT LOCATIONS

'WR' - 40+92.91 TO 41+33.19
'MV' - 11+44.38 TO 11+84.40



'WR' - 41+65.34 TO 42+05.50
'MV' - 11+44.41 TO 11+84.43



'WR' - 42+05.50 TO 43+76.66

* SEE DETAIL 2 ON SHEET C-1 & SHEET L-2 FOR SAWCUT LOCATIONS

TYPICAL SECTIONS
SCALE : N/A

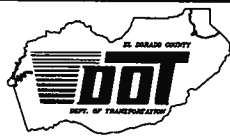
FOR REDUCED PLANS
2
1
0

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
REGISTERED CIVIL ENGINEER
DATE: 8-6-2010

DESIGNED: PH AN
DRAWN: AN
CHECKED: DOT DATE: 7/21/2010
ROAD NUMBER: 34

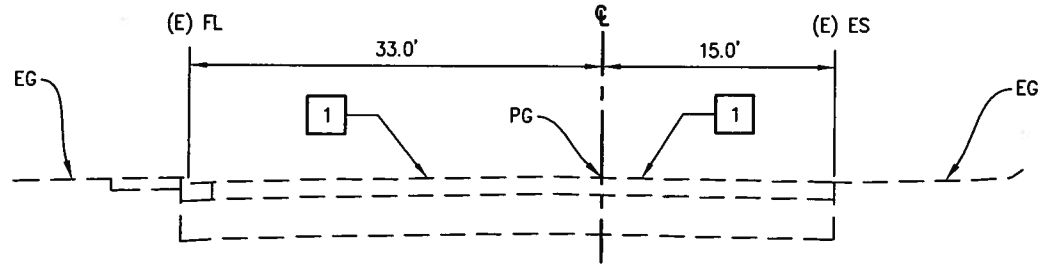


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

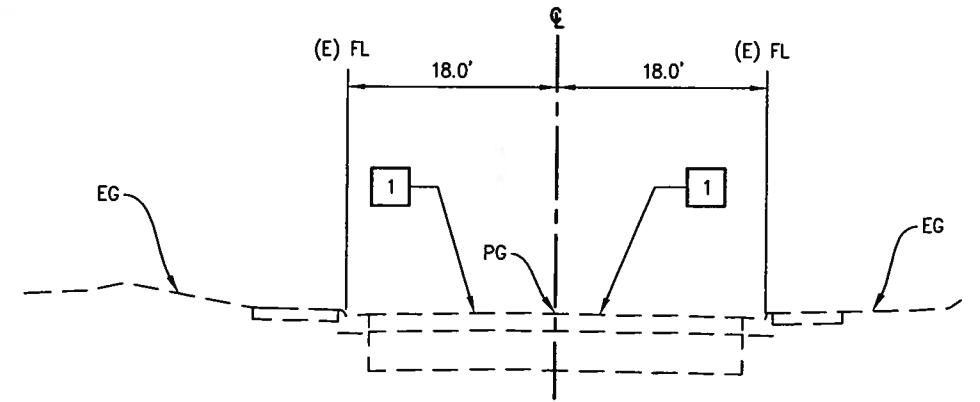
WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
X-1
3 OF 23
W.D. No. 72372

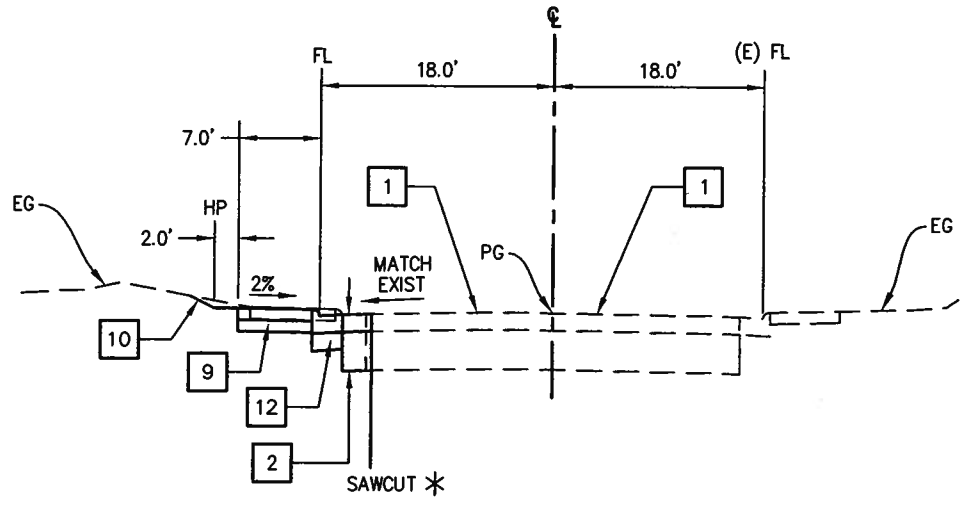
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 Layout Tab: X-2 Aug 16, 2010 - 11:



'WR' - 43+76.66 TO 44+50.00



'MV' - 11+30.00 TO 11+34.27



'MV' - 11+34.27 TO 11+38.21

*SEE DETAIL 2 ON SHEET C-1 & SHEET L-2 FOR SAWCUT LOCATIONS

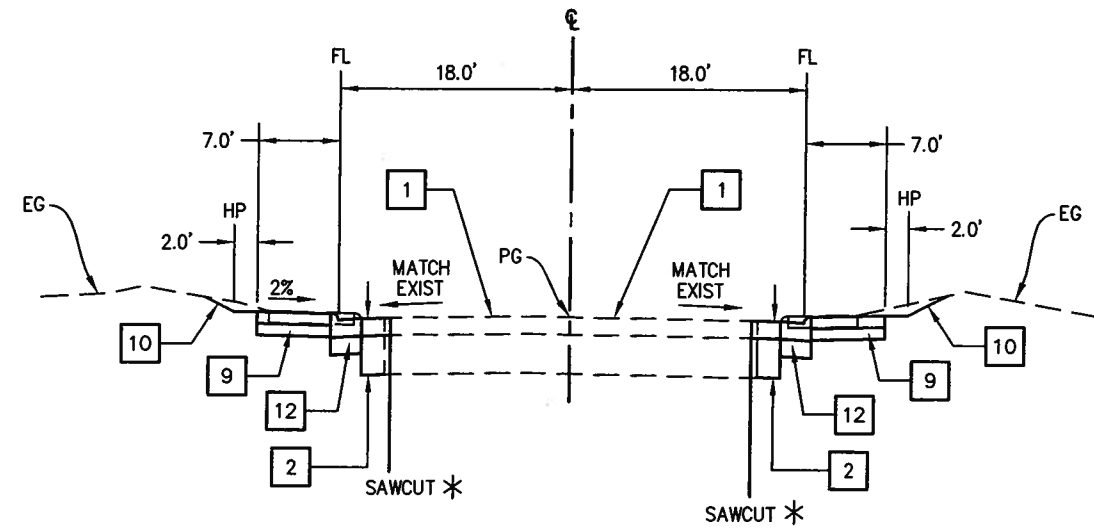
DESIGN DESIGNATION	
2008 ADT	10,122
2030 ADT	53,400
R	13
Tl	9

GENERAL NOTES:

- EXACT LOCATION OF SAWCUT, TYPES OF DIKE, CURB AND GUTTER, AND SIDEWALKS ARE SHOWN ON LAYOUT SHEETS.

CONSTRUCTION NOTES:

- 1 - TYPE II SLURRY SEAL.
- 2 - 0.5' HMA (TYPE A)
1.13' AB (CLASS II)
TYPE II SLURRY SEAL
- 9 - 0.33' CONCRETE ON 0.33' AB (CLASS II) SIDEWALK.
- 10 - CUT SLOPE 2:1, FILL SLOPE 3:1
- 12 - TYPE 1 ROLLED CURB AND GUTTER WITH 0.5' AB (CLASS II), SEE EDC STANDARD PLAN 104.



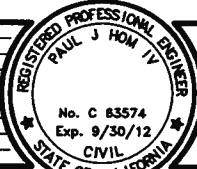
'MV' - 11+38.21 TO 11+44.41

*SEE DETAIL 2 ON SHEET C-1 & SHEET L-2 FOR SAWCUT LOCATIONS

ORIGINAL SCALE IS IN INCHES
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 1
 0

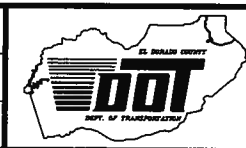
TYPICAL SECTIONS
SCALE : N/A

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Horn
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34

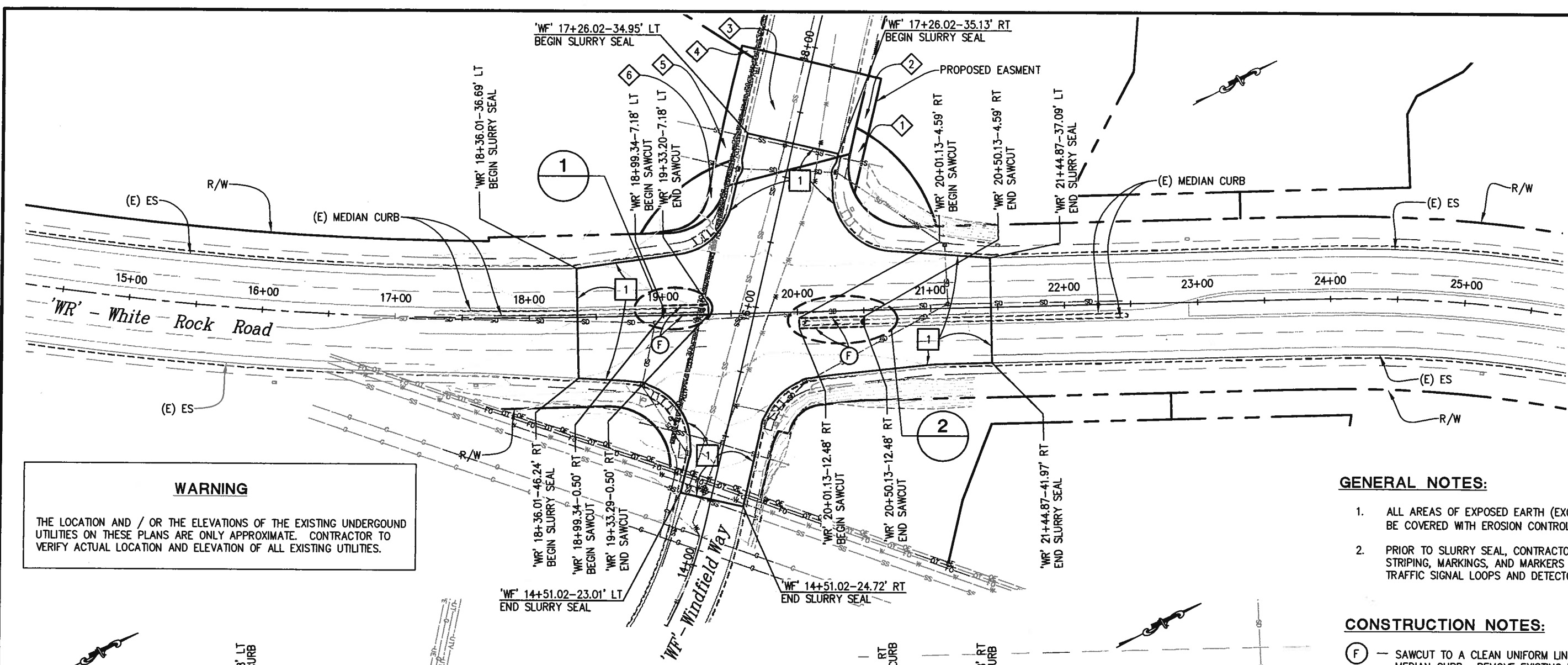


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

**WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION**

SHEET
X-2
 4 OF 23
 W.O. No. **72372**

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\CADD Sheets\Reduced Budget Plan Sheets\L-1.dwg Layout Tab: L-1 Aug 16, 2010 - 11:11
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS

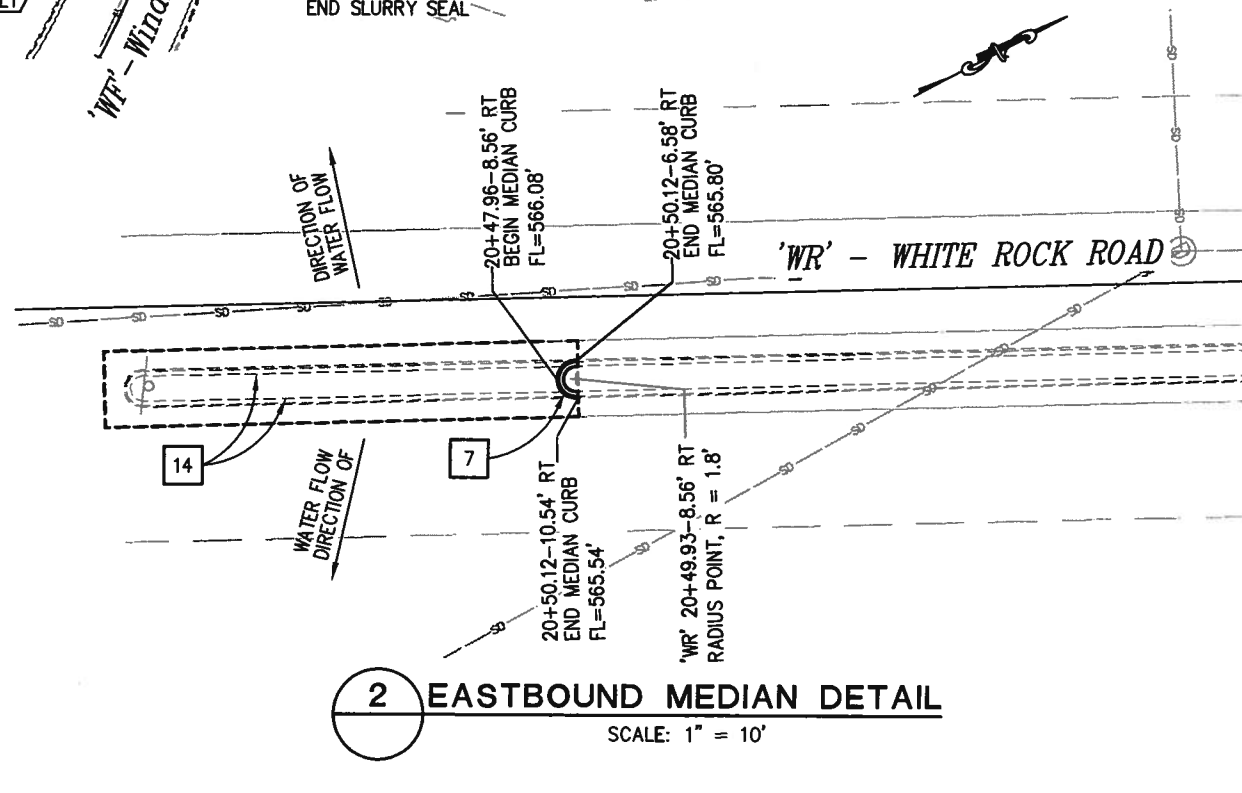
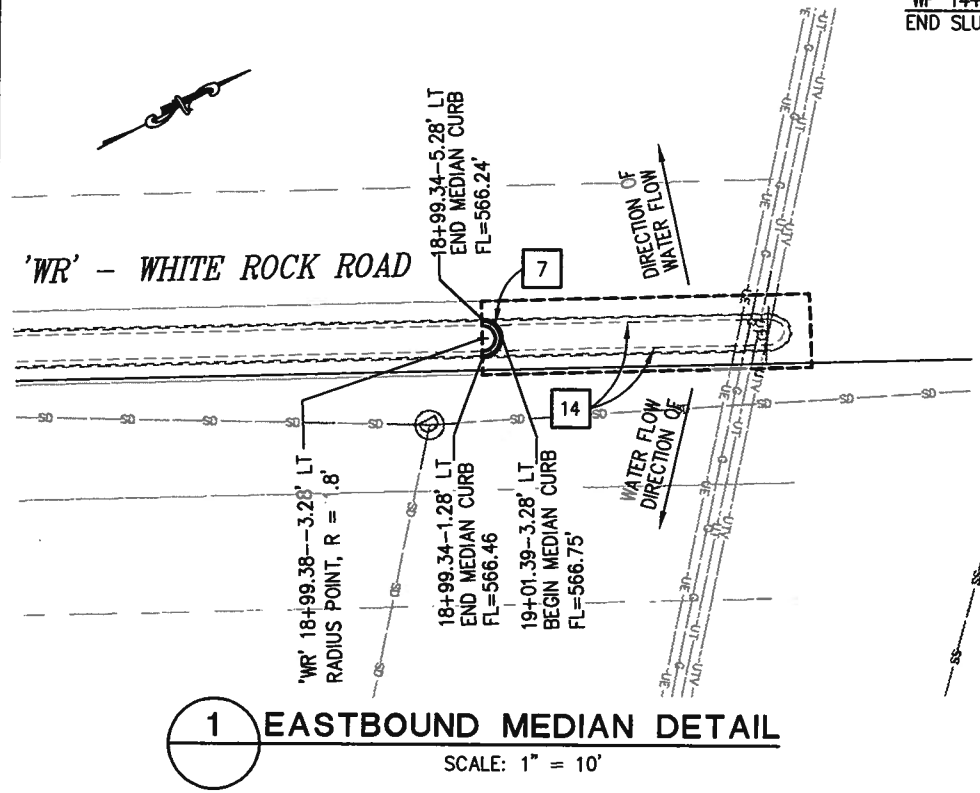


WARNING

THE LOCATION AND / OR THE ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UTILITIES.

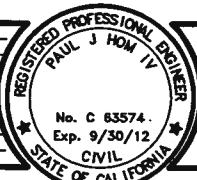
- GENERAL NOTES:**
- ALL AREAS OF EXPOSED EARTH (EXCEPT MEDIAN) SHALL BE COVERED WITH EROSION CONTROL (TYPE D).
 - PRIOR TO SLURRY SEAL, CONTRACTOR SHALL REMOVE ALL STRIPING, MARKINGS, AND MARKERS AND INSTALL ALL TRAFFIC SIGNAL LOOPS AND DETECTOR HAND HOLES.

- CONSTRUCTION NOTES:**
- (F) — SAWCUT TO A CLEAN UNIFORM LINE 2' OUTSIDE EXISTING RAISED MEDIAN CURB. REMOVE EXISTING MEDIAN CURB & HMA. PAVE 0.67' NEW HMA SURFACE. SEE DETAIL 2, SHEET C-2.
 - 1 — TYPE II SLURRY SEAL.
 - 7 — TYPE A1-6 CURB, SEE CALTRANS STANDARD A87A, DOWEL AND BOND TO EXISTING CURB WITH 2-/#4 BARS MINIMUM 4" DEEP.
 - 14 — REMOVE MEDIAN CURB & AC SURFACE. SEE DETAIL 2, SHEET C-2.
 - 1 — APN 117-160-61
 - 2 — APN 117-160-57
 - 3 — APN 117-160-19
 - 4 — APN 117-160-45
 - 5 — APN 117-160-44
 - 6 — APN 117-160-60



PLAN AND PROFILE
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 Paul J. Hom
 DATE: 8-6-2010

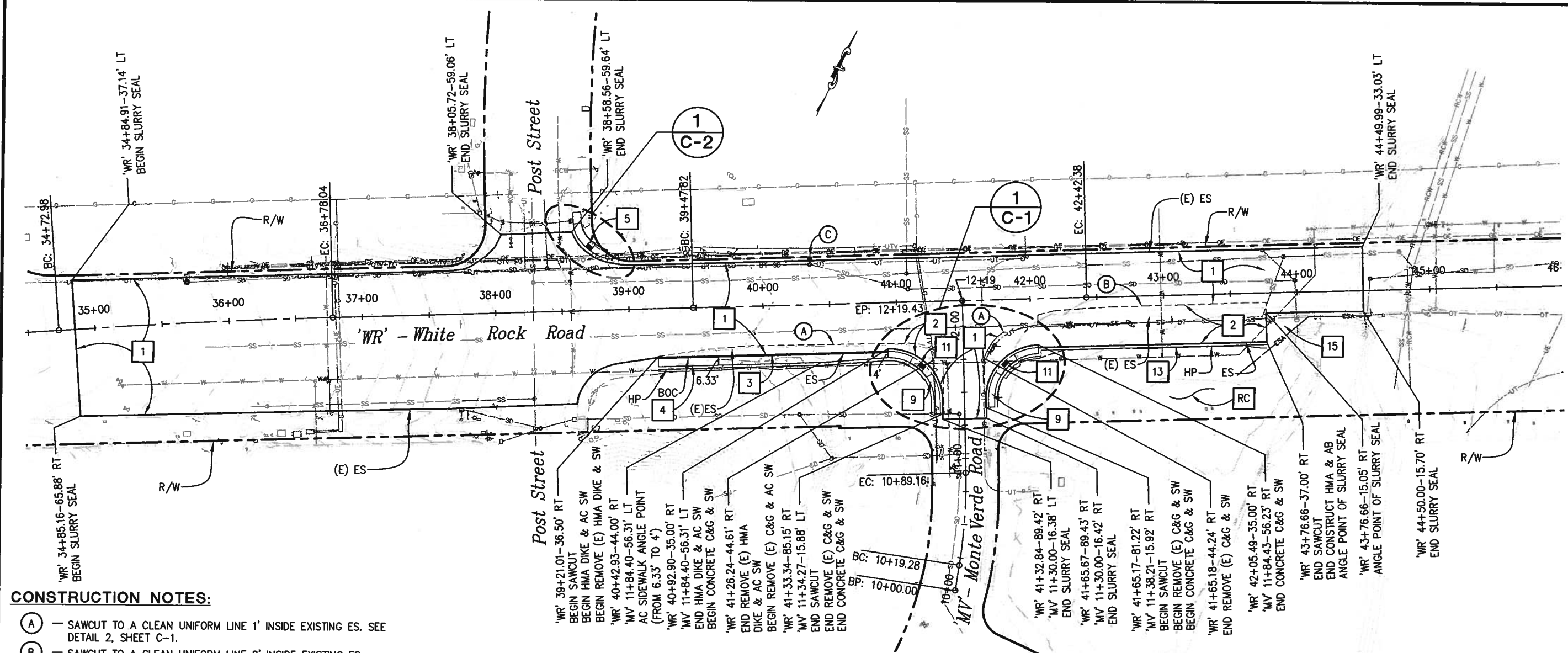
DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

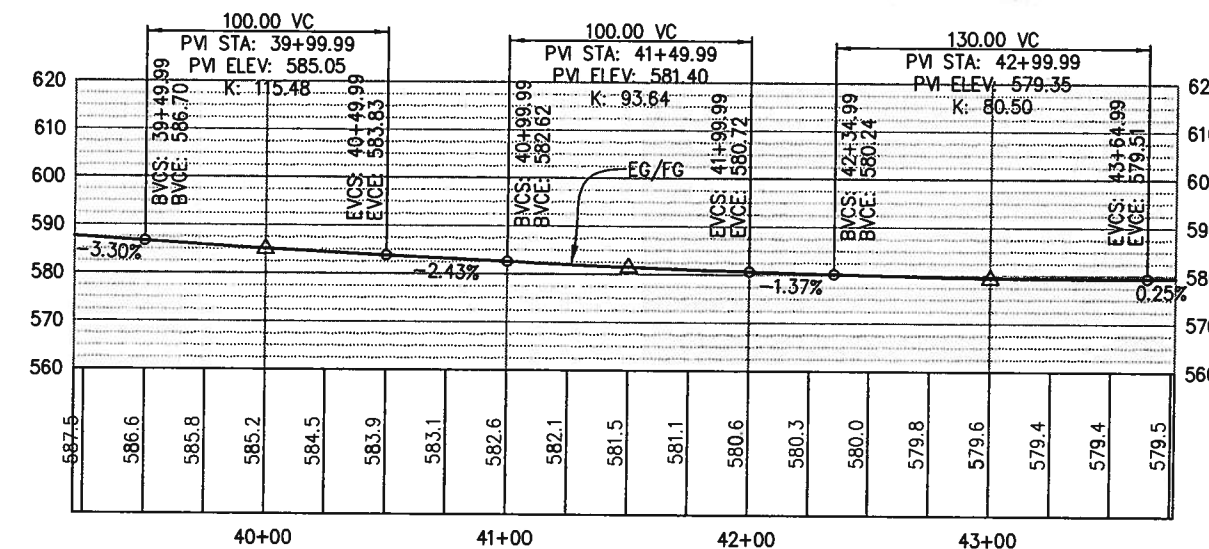
WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
L-1
5 OF 23
W.D. No. 72372



CONSTRUCTION NOTES:

- (A) — SAWCUT TO A CLEAN UNIFORM LINE 1' INSIDE EXISTING ES. SEE DETAIL 2, SHEET C-1.
- (B) — SAWCUT TO A CLEAN UNIFORM LINE 8' INSIDE EXISTING ES. SEE DETAIL 2, SHEET C-1.
- (C) — DI, SEE SHEET D-1.
- 1 — TYPE II SLURRY SEAL.
- 2 — 0.5' HMA (TYPE A) & 1.13' AB (CLASS II). TYPE II SLURRY SEAL.
- 3 — TYPE A HMA DIKE ON 0.5' HMA. SEE CALTRANS STANDARD A87B.
- 4 — 0.33' HMA ON 0.5' AB (CLASS II) SIDEWALK. SEE DETAIL 3, SHEET C-1.
- 5 — CURB RAMP (CASE C), SEE CALTRANS STANDARD A88A.
- 9 — REMOVE EXISTING CURB GUTTER AND SIDE WALK AND CONSTRUCT 0.33' CONCRETE ON 0.33' AB (CLASS II) SIDEWALK.
- 11 — CURB RAMP (CASE C), SEE CALTRANS STANDARD A88A.
- 13 — 2" AB SHOULDER BACKING
- 15 — TEMPORARY FENCE (ESA TYPE)
- RC — EXISTING TRAFFIC SIGNAL POLES AND MAST ARMS FOUND ON THE GROUND BEHIND CONCRETE BARRIER TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.



PROFILE - 'WR' WHITE ROCK ROAD
SCALE: 1" = 40'H, 1" = 20'V

WARNING

THE LOCATION AND / OR THE ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UTILITIES.

GENERAL NOTES:

1. SEE SPD-SHEETS FOR SIGNS AND STRIPING.
2. CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ON MONTE VERDE ROAD AT ALL TIMES (20' MINIMUM). EXCEPT FOR DRAINAGE WORK WHEN ONE WAY REVERSING CONTROL IS ALLOWED PER THE LANE CLOSURE CHART OF THE SPECIAL PROVISIONS.
3. ALL AREAS OF EXPOSED EARTH (EXCEPT MEDIAN), SHALL BE COVERED WITH EROSION CONTROL (TYPE D).
4. PRIOR TO SLURRY SEAL, CONTRACTOR SHALL REMOVE ALL STRIPING, MARKINGS, AND MARKERS.

PLAN & PROFILE
SCALE : 1" = 40'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34

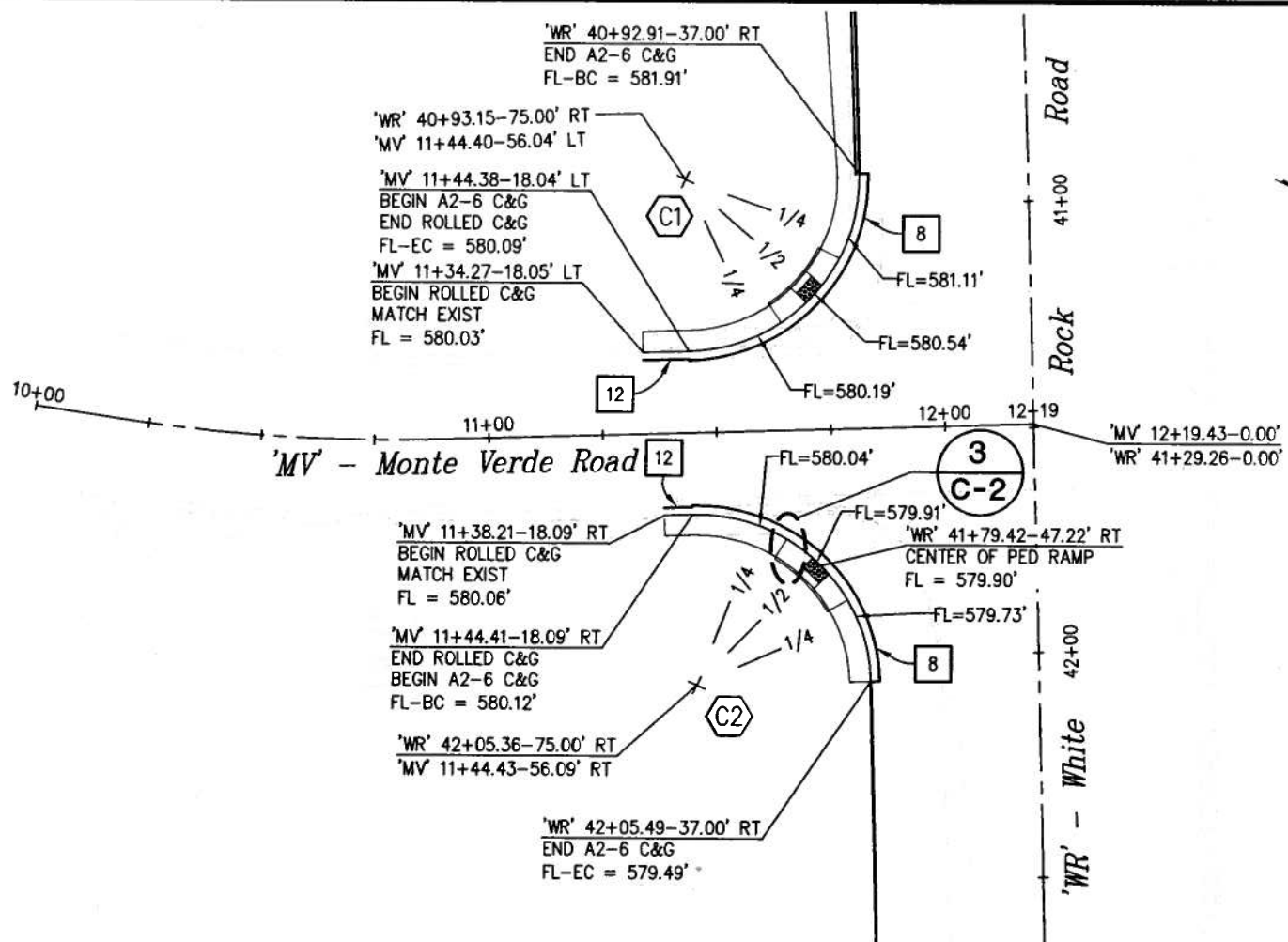


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING AND SIGNALIZATION

SHEET
L-2
6 OF 23
W.G. No. 72372

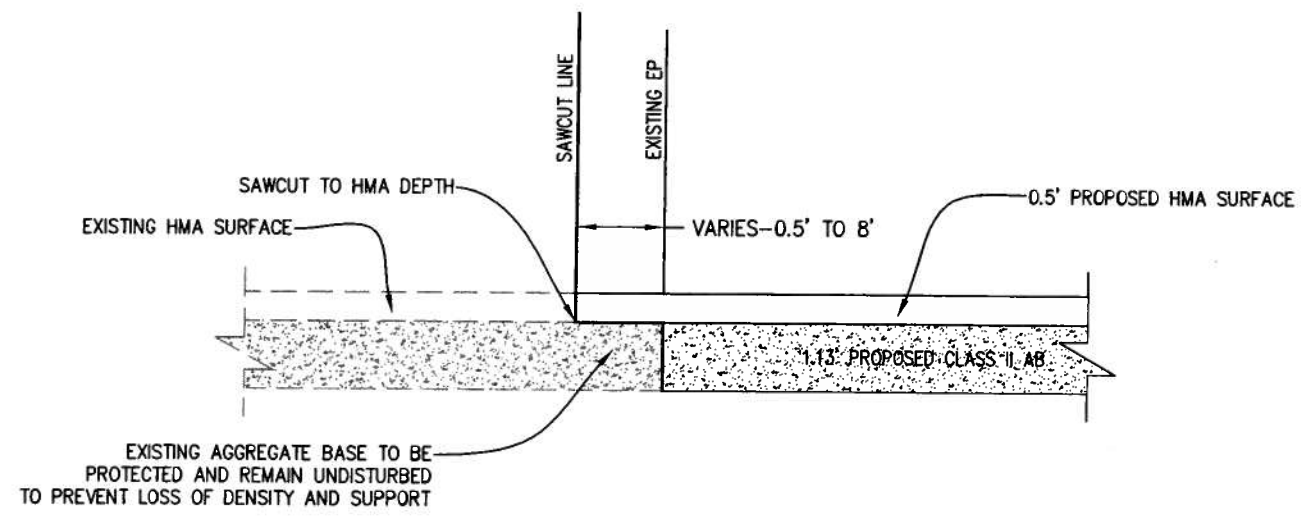
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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 REVISION



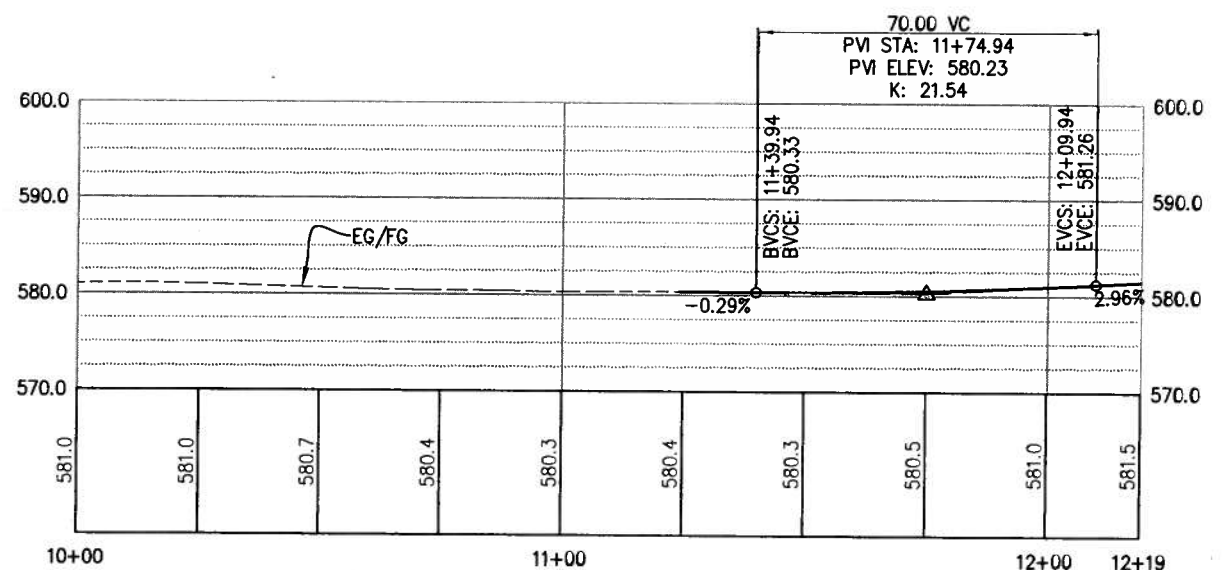
- CONSTRUCTION NOTES:**
- 8 — TYPE A2-6 CURB AND GUTTER WITH 0.5' AB (CLASS II), SEE CALTRANS STANDARD AB7A.
 - 12 — TYPE 1 ROLLED CURB AND GUTTER WITH 0.5' AB (CLASS II), SEE EDC STANDARD PLAN 104.

INTERSECTION CURB RETURN DATA			
SEGMENT	LENGTH	BEARING / DELTA	RADIUS
C1	59.98'	90.44'	38.00'
C2	59.84'	90.23'	38.00'

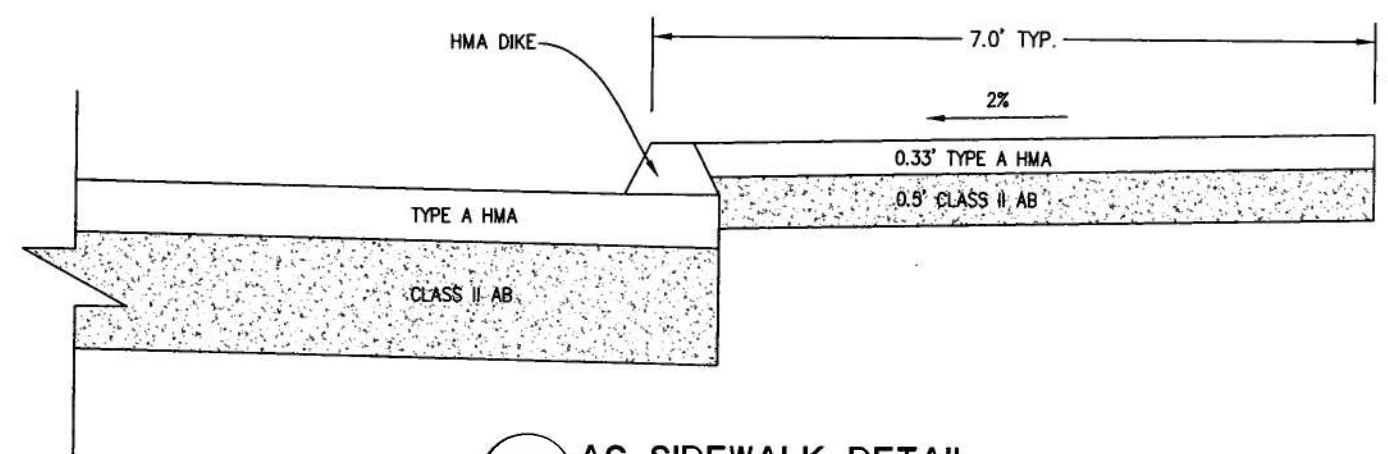
1 WHITE ROCK ROAD & MONTE VERDE ROAD INTERSECTION DETAIL
SCALE: 1" = 20'



2 SAWCUT DETAIL
SCALE: N.T.S.



PROFILE - 'MV' MONTE VERDE ROAD
SCALE: 1" = 20'H, 1" = 10'V



3 AC SIDEWALK DETAIL
SCALE: N.T.S.

CONSTRUCTION DETAILS
SCALE: AS SHOWN

REVISION NUMBER	DATE	DESCRIPTION	BY

PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH	DRAWN: AN
CHECKED: DOT	DATE: 7/21/2010
ROAD NUMBER: 34	

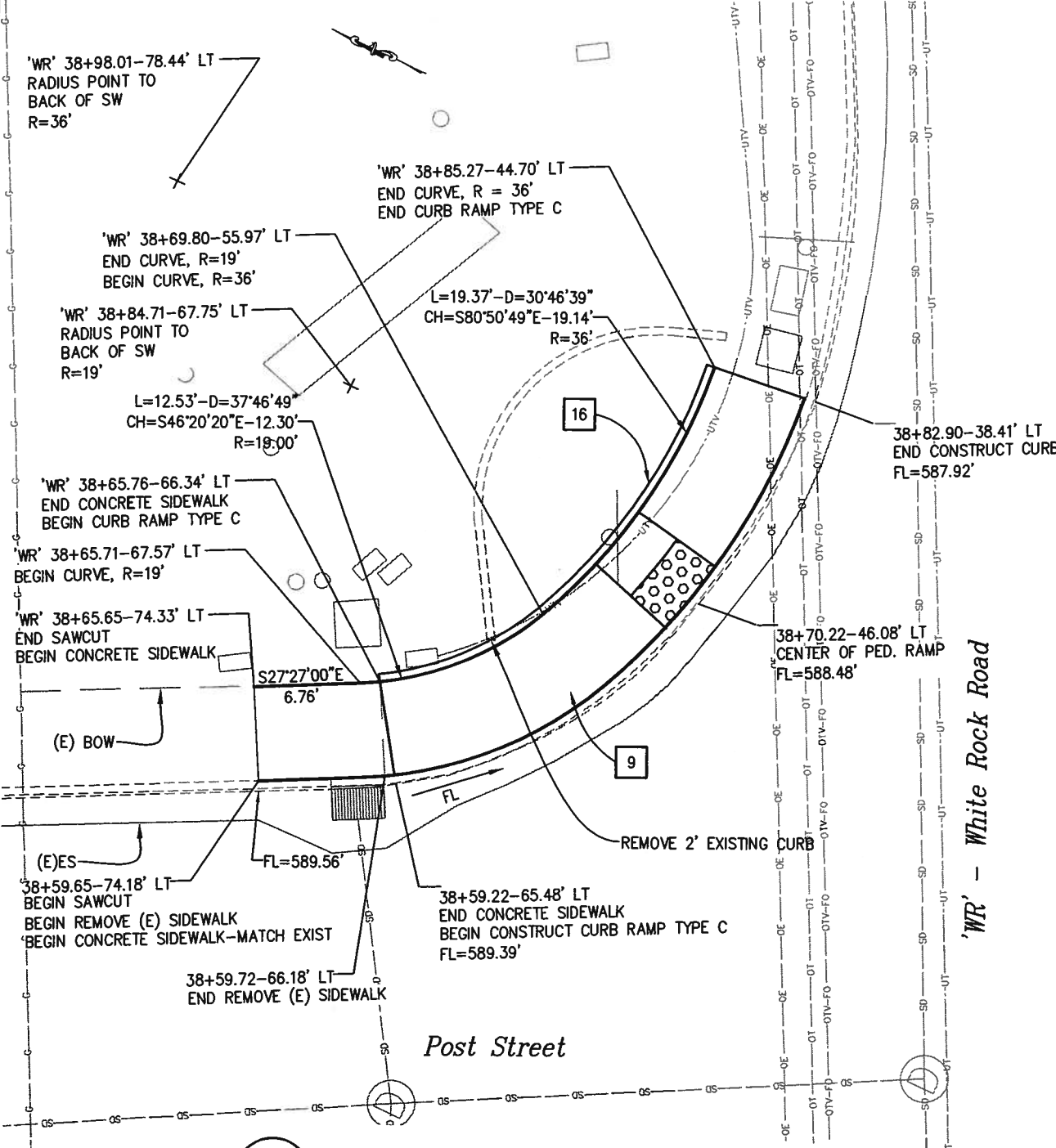


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING AND SIGNALIZATION

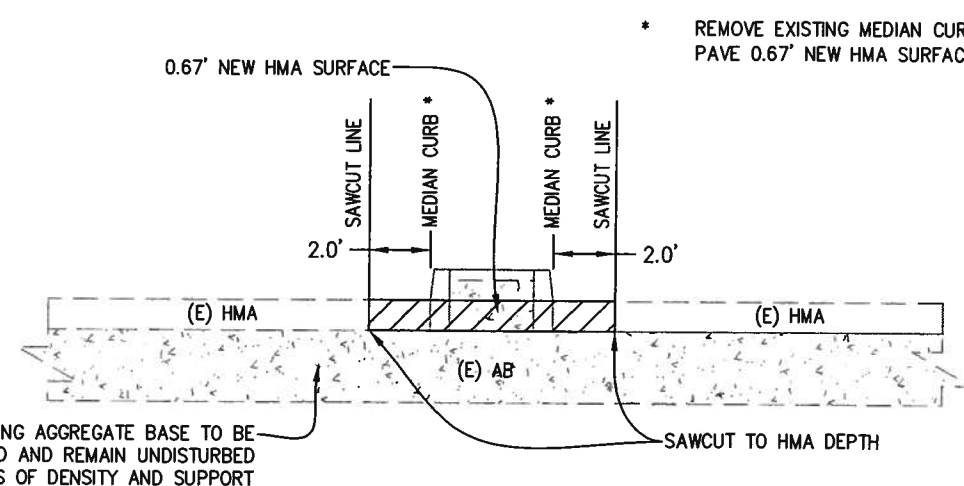
SHEET
C-1
7 OF 23
W.O. No. **72372**

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 FOR REDUCED PLANS

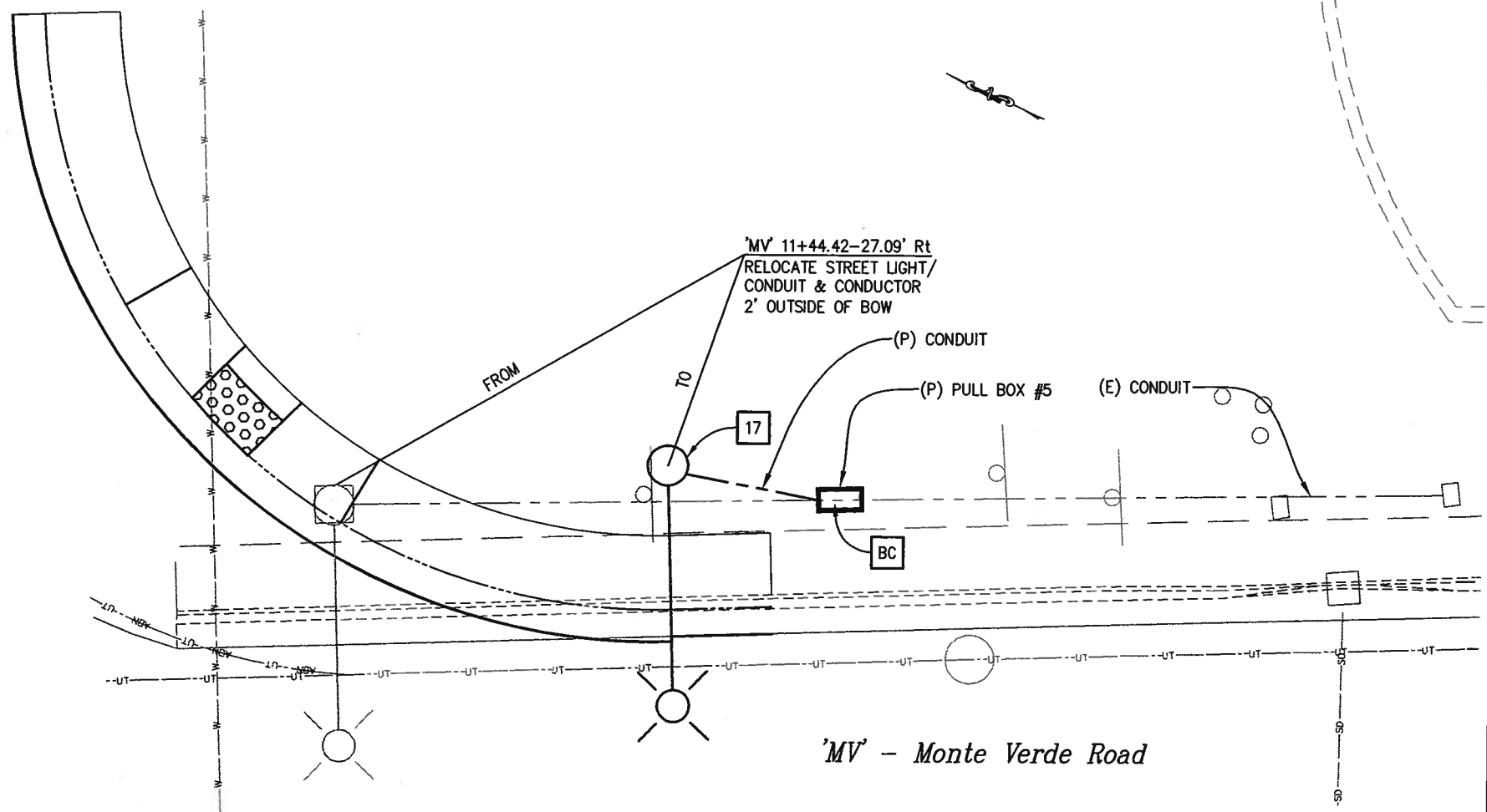


1 CURB RAMP DETAIL
SCALE: 1" = 5'

- CONSTRUCTION NOTES:**
- 9 — 0.33' CONCRETE ON 0.33' AB (CLASS II) SIDEWALK.
 - 16 — GRADE AREA BEHIND NEW SIDEWALK AND CURB RAMP TO MATCH EXISTING GROUND 2:1 MAX
 - 17 — TYPE 15 STREET LIGHT. SEE CALTRANS STANDARD ES-6A.



2 MEDIAN SAWCUT DETAIL
SCALE: N.T.S



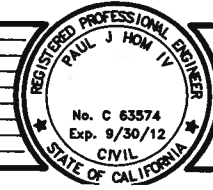
3 STREET LIGHT RELOCATION DETAIL
SCALE: 1" = 5'

* REMOVE EXISTING MEDIAN CURB, 2" HMA, AND 1' AB. PAVE 0.67' NEW HMA SURFACE.

EXISTING AGGREGATE BASE TO BE PROTECTED AND REMAIN UNDISTURBED TO PREVENT LOSS OF DENSITY AND SUPPORT

CONSTRUCTION DETAILS
SCALE: AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34

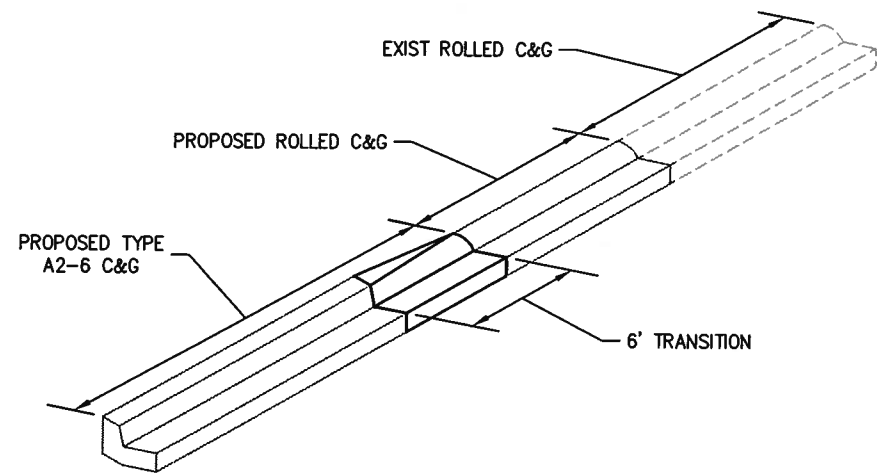


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

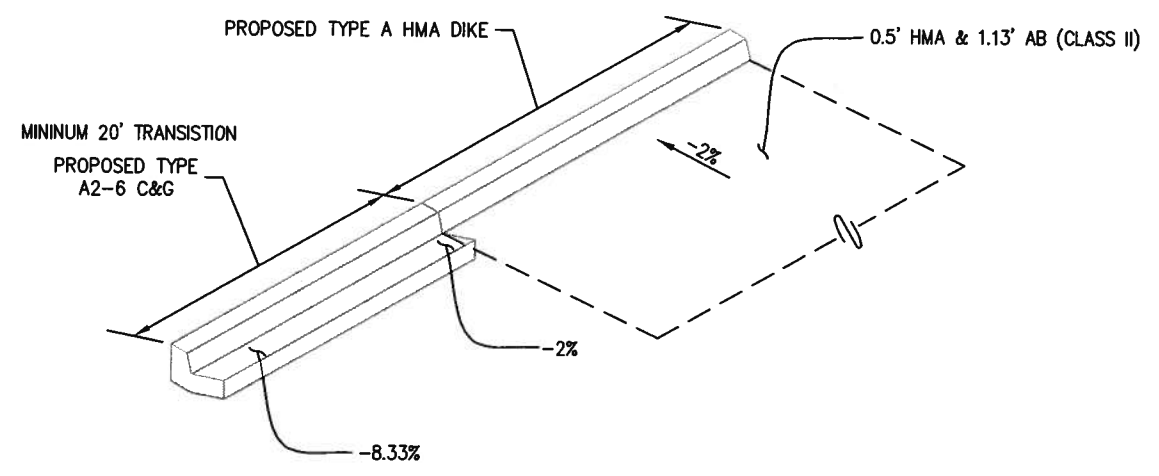
WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
C-2
8 OF 23
W.D. No. 72372

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\C-3.dwg Layout Tab: C-3 Aug 16, 2010 - 11:



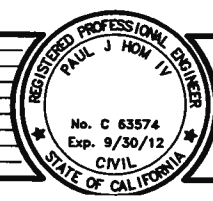
1 CURB TRANSITION DETAIL
 SCALE: N/A



2 HMA DIKE - CURB & GUTTER TRANSITION DETAIL
 SCALE: N/A

ORIGINAL SCALE IS IN INCHES
 2
 1
 0

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34



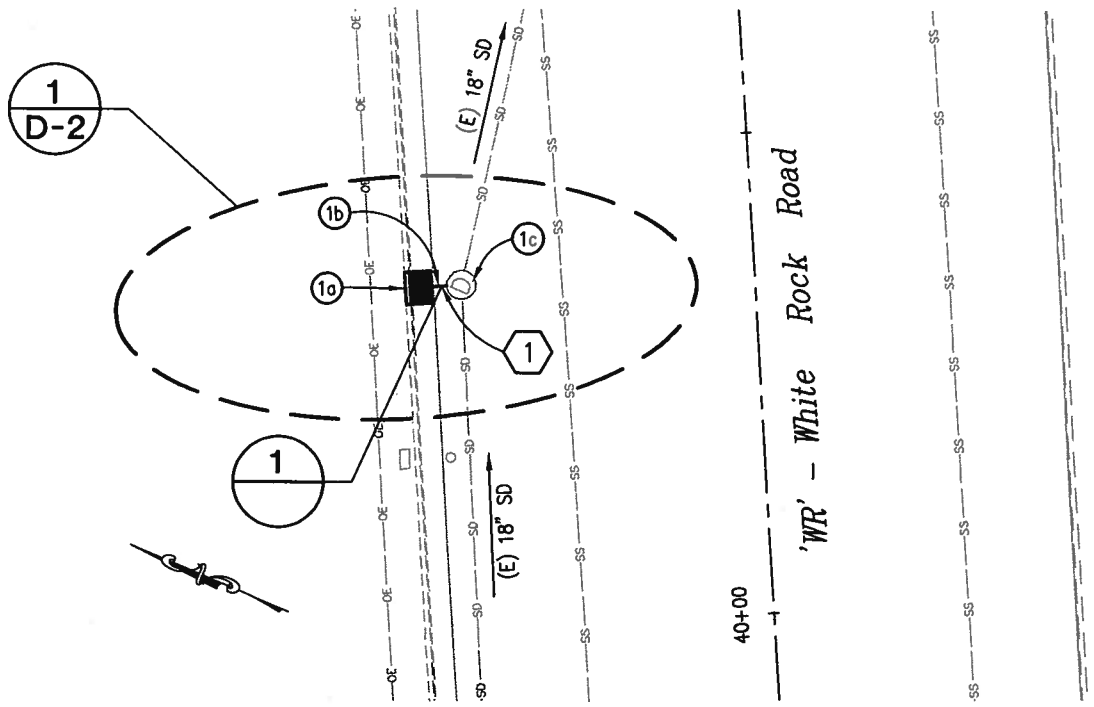
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

**WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION**

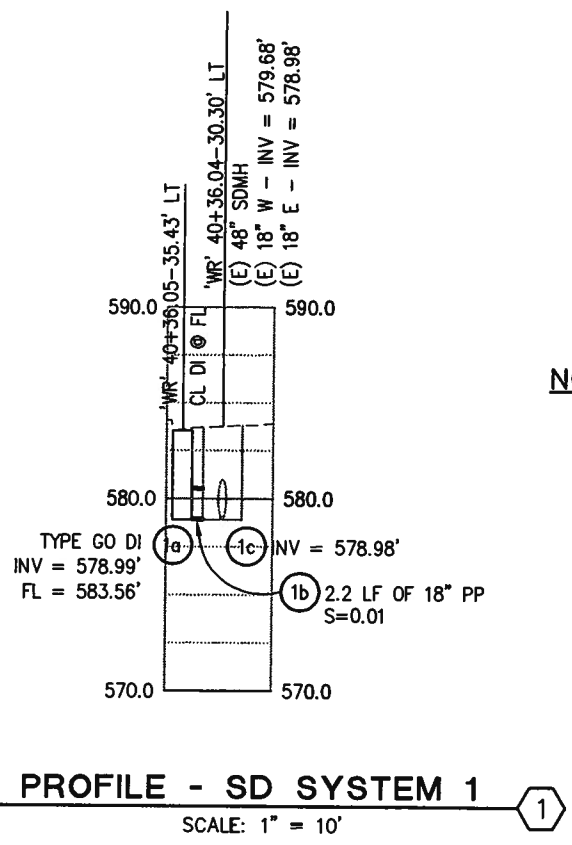
CONSTRUCTION DETAILS
 SCALE : AS SHOWN

SHEET
C-3
 9 OF 23
 W.O. No. **72372**

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\D-1.dwg Layout Tab: D-1 Aug 16, 2010 - 11:11
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



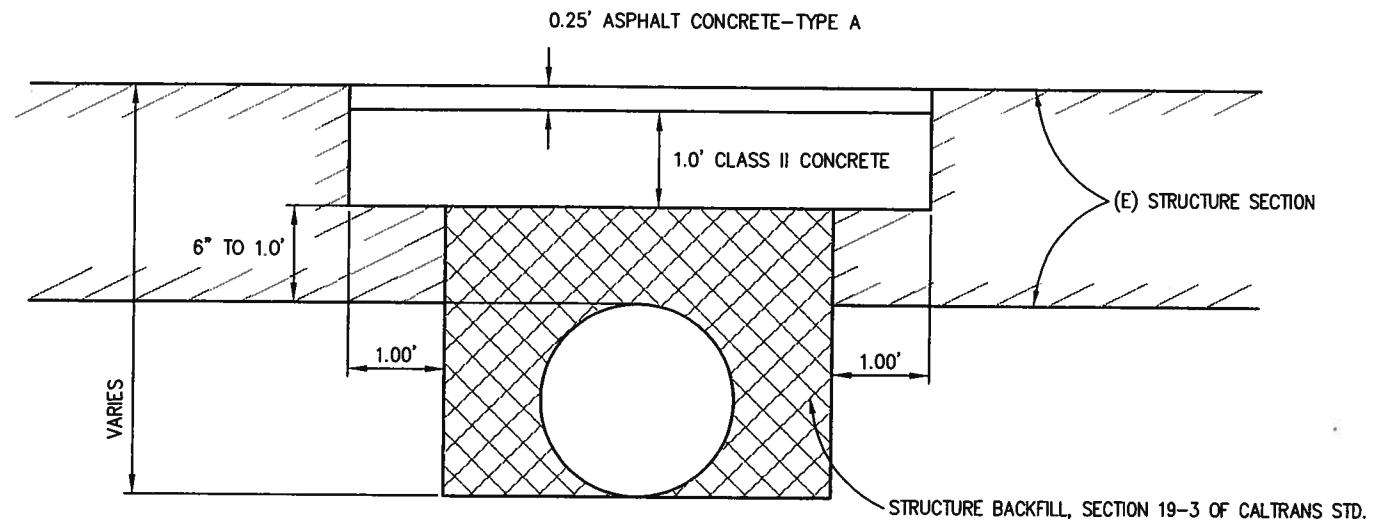
PLAN - SD SYSTEM 1
SCALE: 1" = 10'



PROFILE - SD SYSTEM 1
SCALE: 1" = 10'

NOTES:

1. CONTRACTOR SHALL POT HOLE TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF STORM DRAINAGE.
2. SEE SHEET D-2 FOR DRAINAGE QUANTITIES.
3. CONTRACTOR TO MODIFY EXISTING MANHOLE TO CONNECT NEW STORM DRAIN SYSTEM.



1 STREET TRENCH PAVING DETAIL
SCALE: N.T.S.

NOTES:

1. COMPACTION TO BE AT 95% RELATIVE COMPACTION, SUBJECT TO TESTING.
2. CONCRETE CAP MAY BE "RAPID SET" PPC.
3. ALL TRENCH WORK SUBJECT TO STATE REGULATIONS AND INSPECTION.

WARNING

THE LOCATIONS AND / OR THE ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

WARNING

CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTABILITY OF DRAINAGE SYSTEMS.

DRAINAGE PLAN & PROFILE
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34

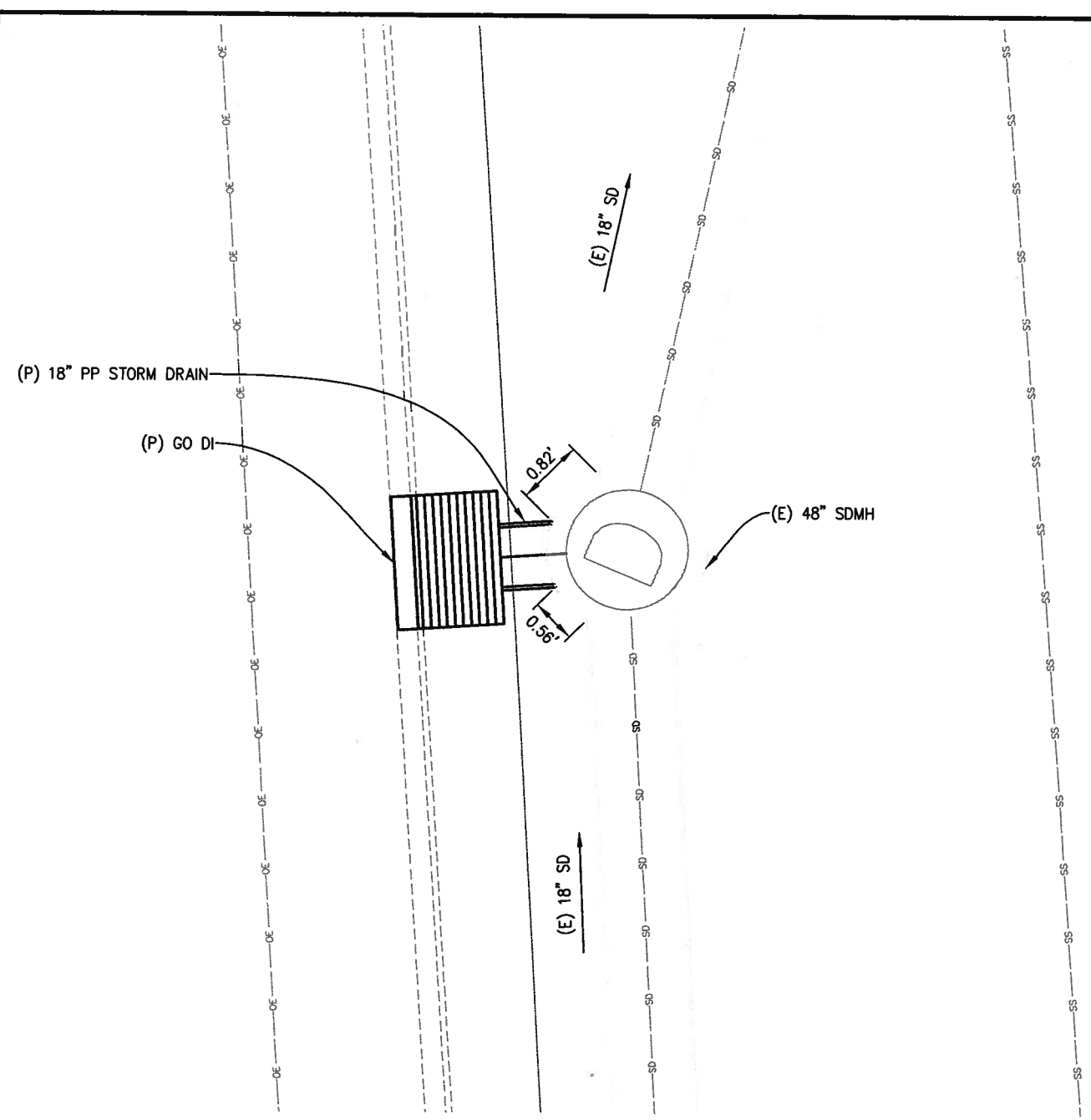


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING AND SIGNALIZATION

SHEET
D-1
10 OF 23
W.O. No. 72372

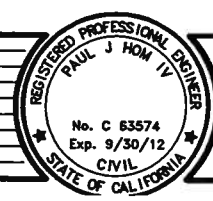
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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



1 SD SYSTEM 1 DETAIL
 SCALE: 1" = 2'

DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	TYPE GO DI	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.
D-1	1	EA	LF		'WR' 40+36.05 - 35.43' RT			
		a	1			a	1	D-1
		b	4.0	S=0.01		b		
		c			'WR' 40+36.04 - 30.30' RT	c		
TOTAL			1	4.0		TOTAL		

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Horn
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT 7/21/2010
 ROAD NUMBER: 34



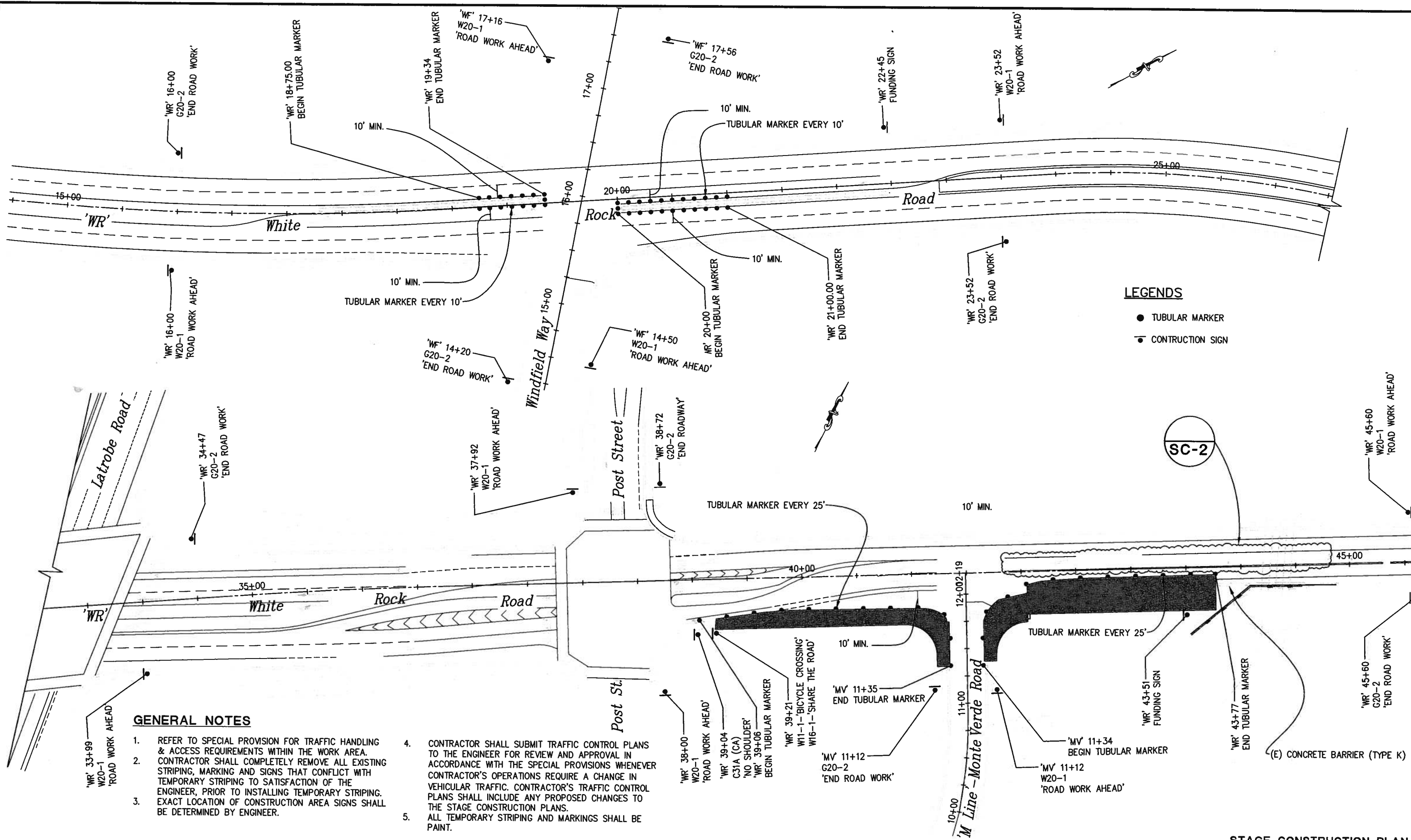
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING
POST STREET TO MONTE VERDE ROAD

SHEET
D-2
 11 OF 23
 W.D. No. **72372**

DRAINAGE DETAIL & QUANTITIES
 SCALE : AS SHOWN

ORIGINAL SCALE IS IN INCHES
 2
 1
 0
 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY
 Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SC-1.dwg Layout Tab: SC-1 Aug 16, 2010 - 1

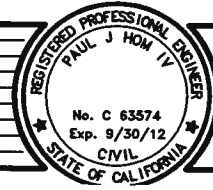


LEGENDS

- TUBULAR MARKER
- CONSTRUCTION SIGN

GENERAL NOTES

1. REFER TO SPECIAL PROVISION FOR TRAFFIC HANDLING & ACCESS REQUIREMENTS WITHIN THE WORK AREA. CONTRACTOR SHALL COMPLETELY REMOVE ALL EXISTING STRIPING, MARKING AND SIGNS THAT CONFLICT WITH TEMPORARY STRIPING TO SATISFACTION OF THE ENGINEER, PRIOR TO INSTALLING TEMPORARY STRIPING.
2. EXACT LOCATION OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY ENGINEER.
3. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE SPECIAL PROVISIONS WHENEVER CONTRACTOR'S OPERATIONS REQUIRE A CHANGE IN VEHICULAR TRAFFIC. CONTRACTOR'S TRAFFIC CONTROL PLANS SHALL INCLUDE ANY PROPOSED CHANGES TO THE STAGE CONSTRUCTION PLANS.
4. ALL TEMPORARY STRIPING AND MARKINGS SHALL BE PAINT.



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34

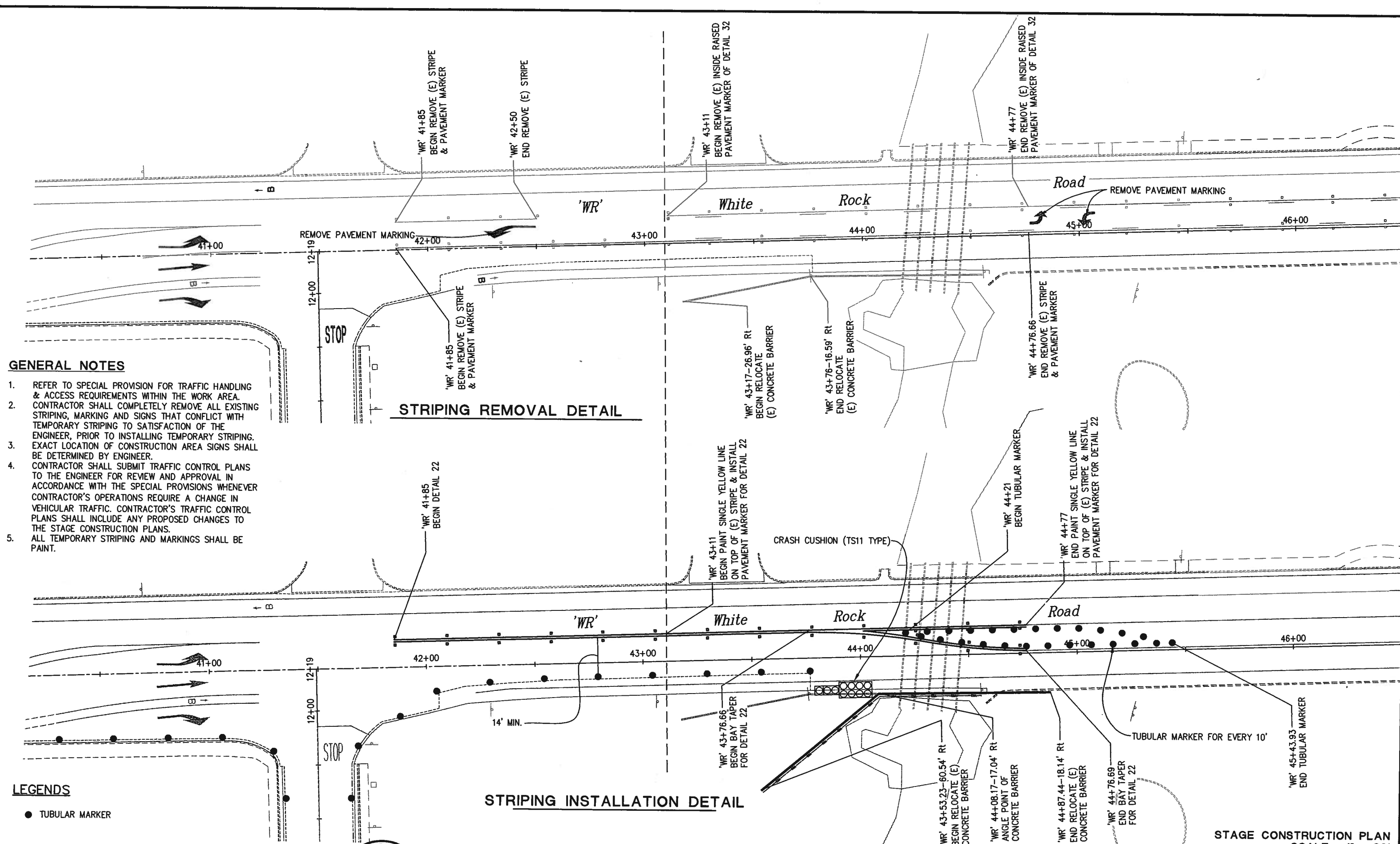


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

**WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION**

SHEET
SC-1
 12 OF 23
 W.O. No. 72372

STAGE CONSTRUCTION PLAN
 SCALE: 1" = 40'



GENERAL NOTES

1. REFER TO SPECIAL PROVISION FOR TRAFFIC HANDLING & ACCESS REQUIREMENTS WITHIN THE WORK AREA.
2. CONTRACTOR SHALL COMPLETELY REMOVE ALL EXISTING STRIPING, MARKING AND SIGNS THAT CONFLICT WITH TEMPORARY STRIPING TO SATISFACTION OF THE ENGINEER, PRIOR TO INSTALLING TEMPORARY STRIPING. EXACT LOCATION OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY ENGINEER.
3. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE SPECIAL PROVISIONS WHENEVER CONTRACTOR'S OPERATIONS REQUIRE A CHANGE IN VEHICULAR TRAFFIC. CONTRACTOR'S TRAFFIC CONTROL PLANS SHALL INCLUDE ANY PROPOSED CHANGES TO THE STAGE CONSTRUCTION PLANS.
4. ALL TEMPORARY STRIPING AND MARKINGS SHALL BE PAINT.

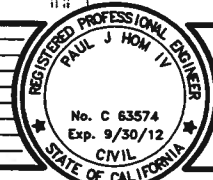
STRIPING REMOVAL DETAIL

STRIPING INSTALLATION DETAIL

STAGE CONSTRUCTION PLAN
SCALE : 1" = 20'

- LEGENDS**
- TUBULAR MARKER

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34

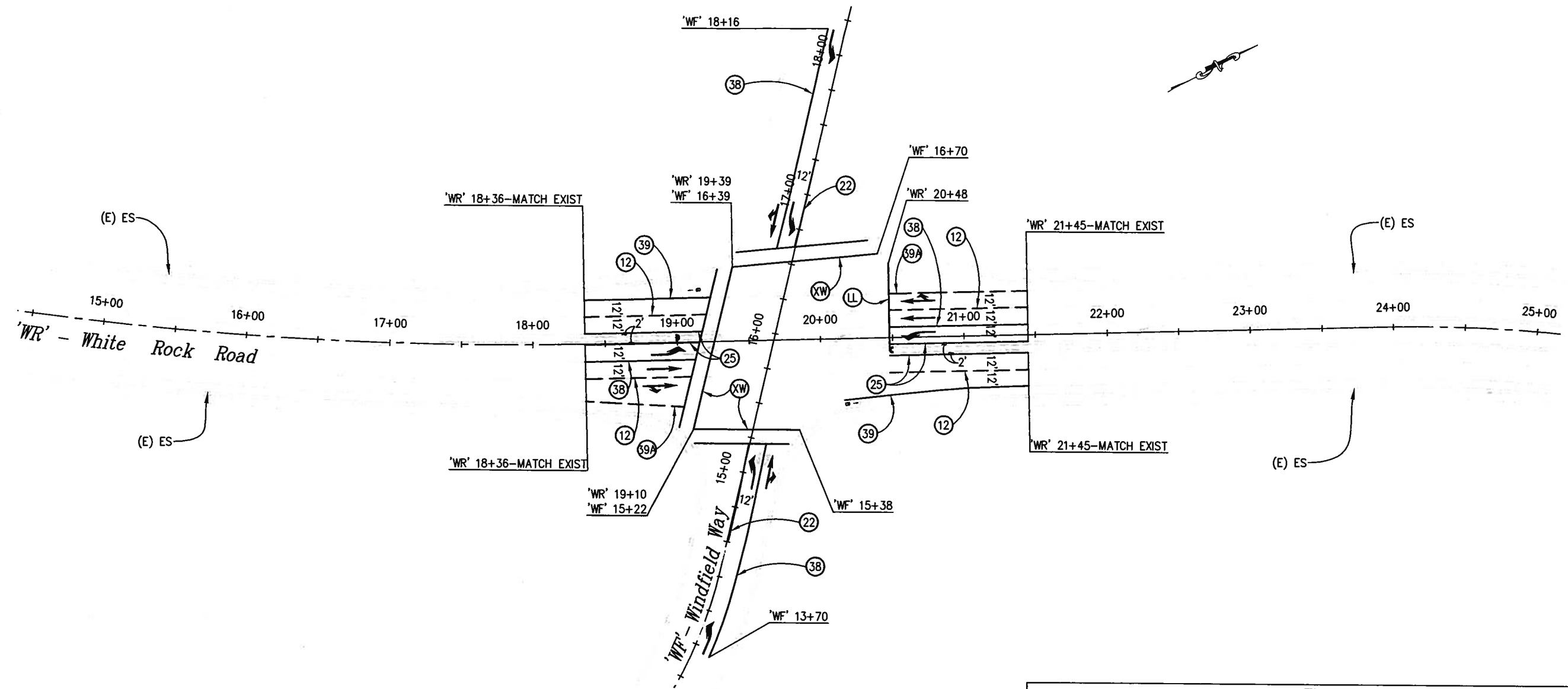


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

**WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION**

SHEET
SC-2
 13 OF 23
 W.O. No. **72372**

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-1.dwg
 Layout Tab: SPD-1 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 2
 1
 0
 FOR REDUCED PLANS



STRIPING LEGEND

- TYPE III (L) ARROW
- TYPE I ARROW
- TYPE II (R) ARROW
- PAVEMENT DELINEATION DETAIL
- BROKEN
- SOLID
- CROSSWALK
- LIMIT LINE

PAVEMENT MARKERS			
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE I ARROW - A24A	2	31	62
TYPE II (R) ARROW - A24B	4	45	180
TYPE III (L) ARROW - A24B	6	42	252
CROSSWALK & LIMIT LINE - A24D		627	627
BIKE SYMBOL & ARROW - A24A & A24C	2	14	28
TOTAL			1149

THERMOPLASTIC TRAFFIC STRIPE										
DETAIL No. / STANDARD PLAN	BEGIN STATION	END STATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				PAVEMENT MARKER (RETROREFLECT)			
			WHITE (LF)				YELLOW 4" (S)	TYPE D (EA)	TYPE G (EA)	TYPE H (EA)
			4" (B)	6" (S)	6" (B)	8" (S)				
12 - A20A	WR' 18+36-LT	WR' 19+21-LT	85						3	
	WR' 18+36-RT	WR' 19+09-RT	74						2	
	WR' 20+48-RT	WR' 21+45-RT	97						3	
	WR' 20+48-LT	WR' 21+45-LT	97						3	
22 - A20A	WF' 14+51	WF' 15+21				140	8			
	WF' 16+62	WF' 17+26				128	8			
25 - A20B	WR' 18+36-LT	WR' 19+17-LT				82			3	
	WR' 18+36-RT	WR' 19+15-RT				80			3	
	WR' 20+48-RT	WR' 21+45-RT				97			3	
	WR' 20+48-LT	WR' 21+45-LT				97			3	
38 - A20D	WF' 13+70-RT	WF' 15+23-RT						156	8	
	WF' 16+59-LT	WF' 18+16-LT						158	8	
	WR' 18+36-RT	WR' 19+12-RT						77	4	
	WR' 20+48-LT	WR' 21+45-LT						97	5	
39 - A20D	WR' 18+36-LT	WR' 19+24-LT		88						
	WR' 20+16-RT	WR' 21+45-RT		129						
39A - A20D	WR' 18+36-RT	WR' 19+04-RT			68					
	WR' 20+48-LT	WR' 21+45-LT			97					
TOTAL			353	217	165	488	624	16	36	

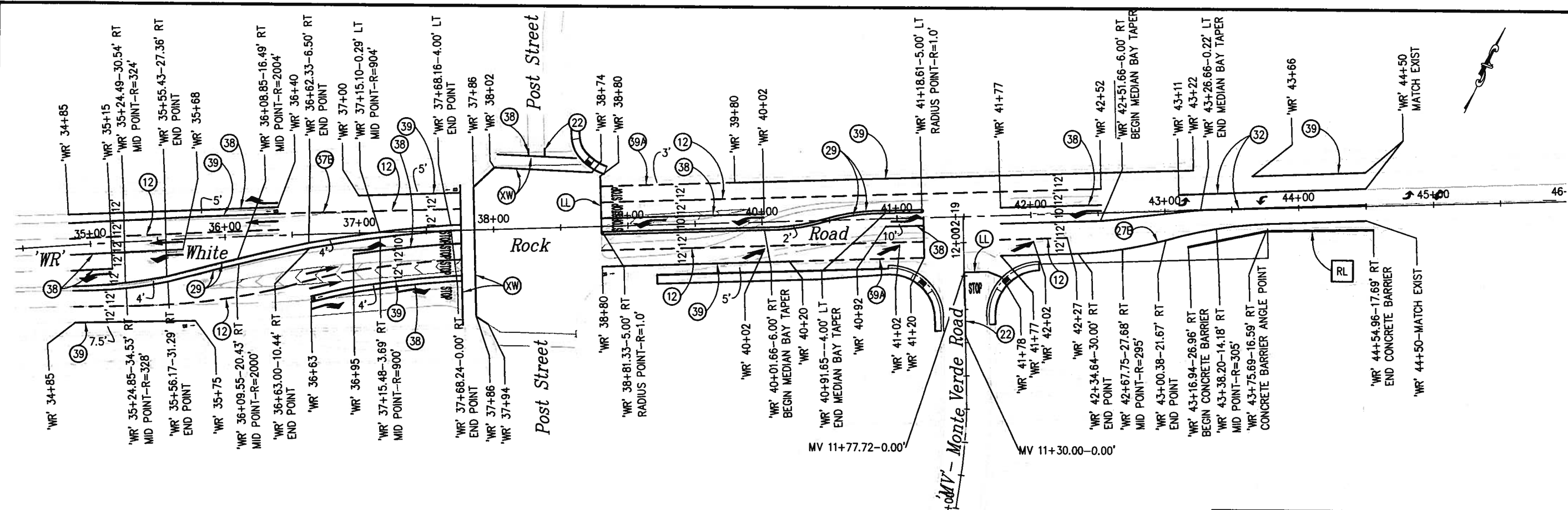
GENERAL NOTES:

- THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION ONLY.
- ALL STRIPING SHALL BE SPRAYED THERMOPLASTIC AND ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- ALL PAVEMENT MARKINGS ARE PER CALTRANS STD. PLANS.
- ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PRIOR TO PLACEMENT OF SLURRY SEAL.
- ALL PAVEMENT ARROWS AT INTERSECTION SHALL BE INSTALLED AT 8-FT FROM LIMIT LINE.
- CROSSWALKS SHALL BE 10' WIDE.

PAVEMENT DELINEATOR 1" = 40'

REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER DATE: 8-6-2010	DESIGNED: PH AN CHECKED: DOT DATE: 7/21/2010 ROAD NUMBER: 34	 EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION	WHITE ROCK ROAD WIDENING AND SIGNALIZATION	SHEET SPD-1 14 OF 23 W.O. No. 72372
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Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-2.dwg Layout Tab: SPD-2 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



THERMOPLASTIC TRAFFIC STRIPE

DETAIL No. / STANDARD PLAN	BEGIN STATION	END STATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)							PAVEMENT MARKER		
			WHITE (LF)							YELLOW	TYPE D (EA)	TYPE G (EA)
			4" (B)	4" (S)	6" (B)	6" (S)	8" (B)	8" (S)	4" (S)			
12 - A20A	WR' 34+85-RT	WR' 37+76-RT	291								7	
	WR' 34+85-LT	WR' 36+40-LT	155								4	
	WR' 37+00-LT	WR' 37+76-LT	76								3	
	WR' 38+80-RT	WR' 41+20-RT	240								6	
	WR' 38+80-LT	WR' 42+52-LT	372								9	
	WR' 41+77-RT	WR' 42+27-RT	50								1	
21 - A20A	MV' 11+30	MV' 11+78						96		6		
22 - A20A	WR' 38+39-LT	WR' 38+39-LT						12		2		
27B - A20B	WR' 41+77-RT	WR' 44+50-RT		275								
29 - A20B	WR' 34+85-RT	WR' 37+76-LT						1172		28		
	WR' 38+80-RT	WR' 41+20-LT						966		22		
32 - A20B	WR' 41+77-RT	WR' 44+50-LT						546		20		
	WR' 43+11-LT	WR' 44+50-LT						278		10		
37B - A20C	WR' 36+40-LT	WR' 37+00-LT				61					6	
38 - A20D	WR' 34+85-LT	WR' 35+15-LT										1
	WR' 34+85-LT	WR' 35+68-LT										4
	WR' 34+85-LT	WR' 36+40-LT										7
	WR' 36+63-RT	WR' 37+76-RT										6
	WR' 36+95-RT	WR' 37+76-RT										4
	WR' 38+80-LT	WR' 40+02-LT										6
	WR' 40+92-RT	WR' 41+20-RT										1
	WR' 41+77-LT	WR' 42+52-LT										4
39A-A20D	WR' 38+27-LT	WR' 38+27-LT										1
	WR' 38+80-RT	WR' 39+80-RT										100
39 - A20D	WR' 34+85-RT	WR' 35+75-RT										90
	WR' 34+85-LT	WR' 36+40-LT										156
	WR' 36+63-RT	WR' 37+76-RT										114
	WR' 37+00-LT	WR' 37+76-LT										76
	WR' 39+80-RT	WR' 41+20-RT										140
	WR' 39+80-LT	WR' 43+22-LT										342
TOTAL			1184	275	200	1002	61	694	3070	88	70	

PAVEMENT MARKINGS			
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE I ARROW - A24A	4	31	124
TYPE III (L) ARROW - A24B	7	42	294
TYPE III (R) ARROW - A24B	3	42	126
TYPE VI ARROW - A24A	3	42	126
TYPE IV (L) ARROW - A24A	2	15	30
TYPE IV (R) ARROW - A24A	2	15	30
STOP - A24D	8	22	176
CROSSWALK & LIMIT LINE - A24D		439	439
BIKE SYMBOL & ARROW - A24A & A24C	5	14	70
TOTAL			1415

STRIPING LEGEND

- TYPE III (L) ARROW
- TYPE III (R) ARROW
- TYPE I ARROW
- TYPE VI ARROW
- TYPE IV (L) ARROW
- TYPE IV (R) ARROW
- PAVEMENT DELINEATION DETAIL
- BIKE LANE SYMBOL, SEE EDC BICYCLE TRANSPORTATION PLAN
- (B) BROKEN
- (S) SOLID
- XW CROSSWALK
- LL LIMIT LINE

CONSTRUCTION NOTES:

- THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION ONLY.
 - ALL STRIPING SHALL BE SPRAYED THERMOPLASTIC AND ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - ALL PAVEMENT MARKINGS ARE PER CALTRANS STD. PLANS.
 - ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PRIOR TO PLACEMENT OF SLURRY SEAL.
 - ALL PAVEMENT ARROWS AT INTERSECTION SHALL BE INSTALLED AT 8-FT FROM LIMIT LINE.
 - CROSSWALKS SHALL BE 10' WIDE.
- CONTRACTOR TO RELOCATE EXISTING CONCRETE BARRIER RAIL DURING CONSTRUCTION OPERATION AND REPLACE SAME BARRIER RAIL AS SHOWN ON PLAN SHEET.

PAVEMENT DELINEATION
SCALE : 1" = 40'



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34

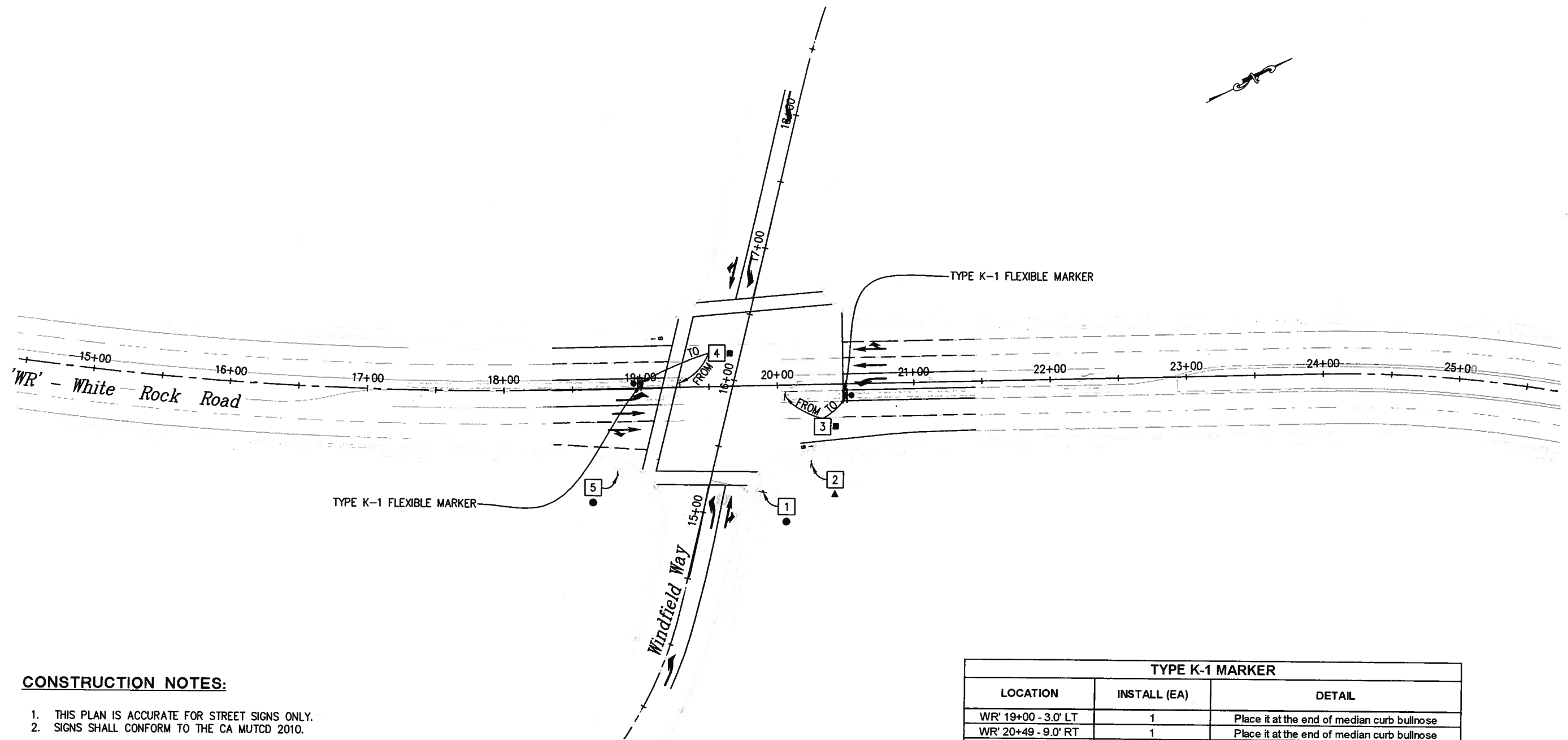


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
SPD-2
15 OF 23
72372

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-3.dwg Layout Tab: SPD-3 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



CONSTRUCTION NOTES:

1. THIS PLAN IS ACCURATE FOR STREET SIGNS ONLY.
2. SIGNS SHALL CONFORM TO THE CA MUTCD 2010.

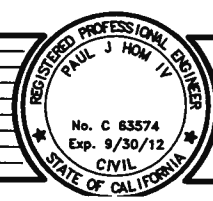
TYPE K-1 MARKER		
LOCATION	INSTALL (EA)	DETAIL
WR' 19+00 - 3.0' LT	1	Place it at the end of median curb bullnose
WR' 20+49 - 9.0' RT	1	Place it at the end of median curb bullnose
TOTAL	2	

LEGEND

- EXISTING SIGN-ONE POST
- NEW SIGN-ONE POST
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- RELOCATE ROADSIDE SIGN
- REMOVE & SALVAGE ROADSIDE SIGN
- ▲ K MARKER
- No. SIGN NUMBER

ROADSIDE SIGNS										
SIGN NO.	SIGN	CODE	ROADSIDE SIGN					EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATELY)	REMARKS
			INSTALL STRAP & SAD (EA)	ONE POST (EA)	TWO POSTS (EA)	RELOCATE (EA)	REMOVE & SALVAGE (EA)			
1	STOP SIGN	R1-1						WR' 19+88.21 - 78.57' RT		
2	BIKE LANE	R81 (CA)						WR' 20+23.60 - 58.84' RT		Remain in place.
3	KEEP RIGHT	R4-7				1		WR' 20+05.19 - 8.21' RT	WR' 20+54.05 - 8.00' RT	Relocate sign.
4	KEEP RIGHT	R4-7				1		WR' 19+28.75 - 2.93' LT	WR' 18+94.64 - 4.00' LT	Relocate sign.
5	STREET NAME SIGN						1	WR' 18+81.57 - 63.81' RT		

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH AN
 CHECKED: DOT DATE: 7/21/2010
 ROAD NUMBER: 34

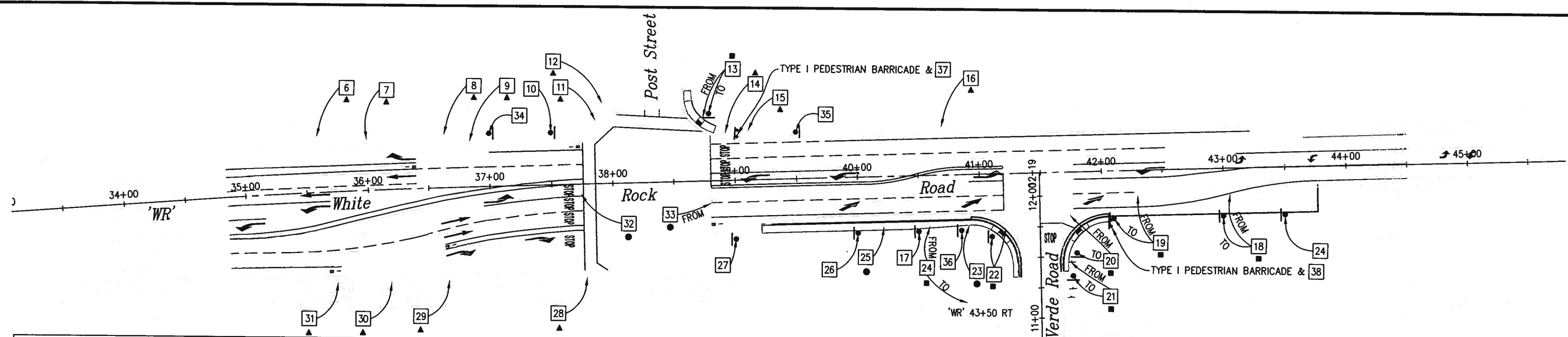


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING AND SIGNALIZATION

SIGN PLAN
 1" = 40'
 SHEET
SPD-3
 16 OF 23
 W.O. No. **72372**

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-4.dwg
 Layout Tab: SPD-4 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



ROADSIDE SIGNS

SIGN NO.	SIGN	CODE	ROADSIDE SIGN					EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATELY)	REMARKS
			INSTALL STRAP & SAD- (EA)	ONE POST (EA)	TWO POSTS (EA)	RELOCATE (EA)	REMOVE & SALVAGE (EA)			
6	CONSTRUCTION SIGN							WR' 35+59.62 - 45.59' LT	Remain in place.	
7	INTERSECTION LANE CONTROL	R73 (CA)						WR' 36+00.02 - 41.23' LT	Remain in place.	
8	SIGNAL AHEAD	W3-3						WR' 36+62.91 - 43.42' LT	Remain in place.	
9	CONSTRUCTION SIGN							WR' 36+84.19 - 37.31' LT	Remain in place.	
10	BIKE LANE	R81 (CA)		1				WR' 37+50 - 42.71" LT		
11	STOP	R1-1						WR' 37+86.80 - 51.57' LT	Remain in place.	
12	ALL WAY	R1-4						WR' 37+92.51 - 65.50' LT	Remain in place.	
13	BIKE ONLY							WR' 37+92.51 - 65.50' LT	Remain in place.	
14	STREET NAME					1		WR' 38+74.62 - 51.61' LT	WR' 38+79.59 - 55.03' LT	
15	STOP	R1-1						WR' 38+92.74 - 38.74' LT	Remain in place.	
16	BIKE LANE	R81 (CA)						WR' 39+11.24 - 40.27' LT	Remain in place.	
17	STOP AHEAD	W3-1						WR' 40+69.52 - 38.98' LT	Remain in place.	
18	BIKE LANE	R81 (CA)		1				WR' 40+50 - 46.00' RT		
18	END	R81B (CA)								
18	TWO WAY LEFT TURN SIGN	R67						WR' 40+06.29 - 18.60' RT	WR' 43+00.00 - 39.00' RT	
19	TWO WAY TURN LANE	R3-9a				1				
19	RIGHT LANE ENDS	W9-1				1		WR' 42+29.94 - 20.50' RT	WR' 42+10 - 39.00' RT	
20	STOP	R1-1				1		WR' 41+74.04 - 34.97' RT	WR' 41+79.18 - 66.61' RT	
21	CONSTRUCTION SIGN					1		WR' 41+74.58 - 73.48' RT	WR' 41+76 - 85.5' RT	
22	STREET NAME					1		WR' 41+21.24 - 44.64' RT	WR' 41+10.00 - 51.60' RT	
23	RIGHT LANE MUST TURN RIGHT	R3-7					1	WR' 40+91.24 - 41.89' RT		
24	SPEED LIMIT	R2-1				1		WR' 40+59.23 - 41.68' RT	WR' 43+50.00 - 39.00' RT	
24	RADAR ENFORCED	R48-1 (CA)								
25	RIGHT LANE TURNS RIGHT AHEAD	W73A (CA)					1	WR' 40+21.21 - 41.35' RT		
26	LANE ENDS	W9-1		1				WR' 40+00.00 - 46.00' RT		
27	BIKE LANE	R81 (CA)		1				WR' 39+00.00 - 49.00' RT		
28	STOP	R1-1						WR' 37+77.65 - 76.39' RT	Remain in place.	
28	ALL WAY	R1-4								
29	STOP AHEAD	W3-1						WR' 36+65.66 - 75.90' RT	Remain in place.	
30	RIGHT LANE TURNS RIGHT AHEAD	W73A (CA)						WR' 36+17.42 - 76.05' RT	Remain in place.	
31	BIKE LANE	R81 (CA)						WR' 35+72.42 - 74.52' RT	Remain in place.	
31	END	R81B (CA)								
32	STOP	R1-1					1	WR' 37+73.74 - 7.66' RT		
33	STOP	R1-1					1	WR' 38+80.37 - 18.53' RT		
34	RIGHT LANE MUST TURN RIGHT	R3-7			1			WR' 37+00.00 - 43.58' LT		
35	RIGHT LANE TURNS RIGHT AHEAD	W73A (CA)			1			WR' 39+50.00 - 38.13' LT		
36	LANE DROP SYMBOL SIGN	W4-2			1			WR' 40+85.00 - 46.00' LT		
37	SIDEWALK CLOSED	R9-9						WR' 38+76.00 - 44.00' LT	Place it on barricade	
38	SIDEWALK CLOSED	R9-9						WR' 42+07.00 - 41.00' RT	Place it on barricade	

TYPE I PEDESTRIAN BARRICADE		
LOCATION	INSTALL (EA)	DETAIL
WR' 39+03 39.00' LT	1	Place it at the end of sidewalk with R9-9 sign on it
WR' 42+07.00 - 41.00' RT	1	Place it at the end of sidewalk with R9-9 sign on it
TOTAL	2	

CONSTRUCTION NOTES:

- THIS PLAN IS ACCURATE FOR STREET SIGNS ONLY.
- SIGNS SHALL CONFORM TO THE CA 2010 MUTCD.

LEGEND

- EXISTING SIGN-ONE POST
- NEW SIGN-ONE POST
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- RELOCATE ROADSIDE SIGN
- REMOVE & SALVAGE ROADSIDE SIGN
- ▬ TYPE I PEDESTRIAN BARRICADE
- No. SIGN NUMBER

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hon
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34



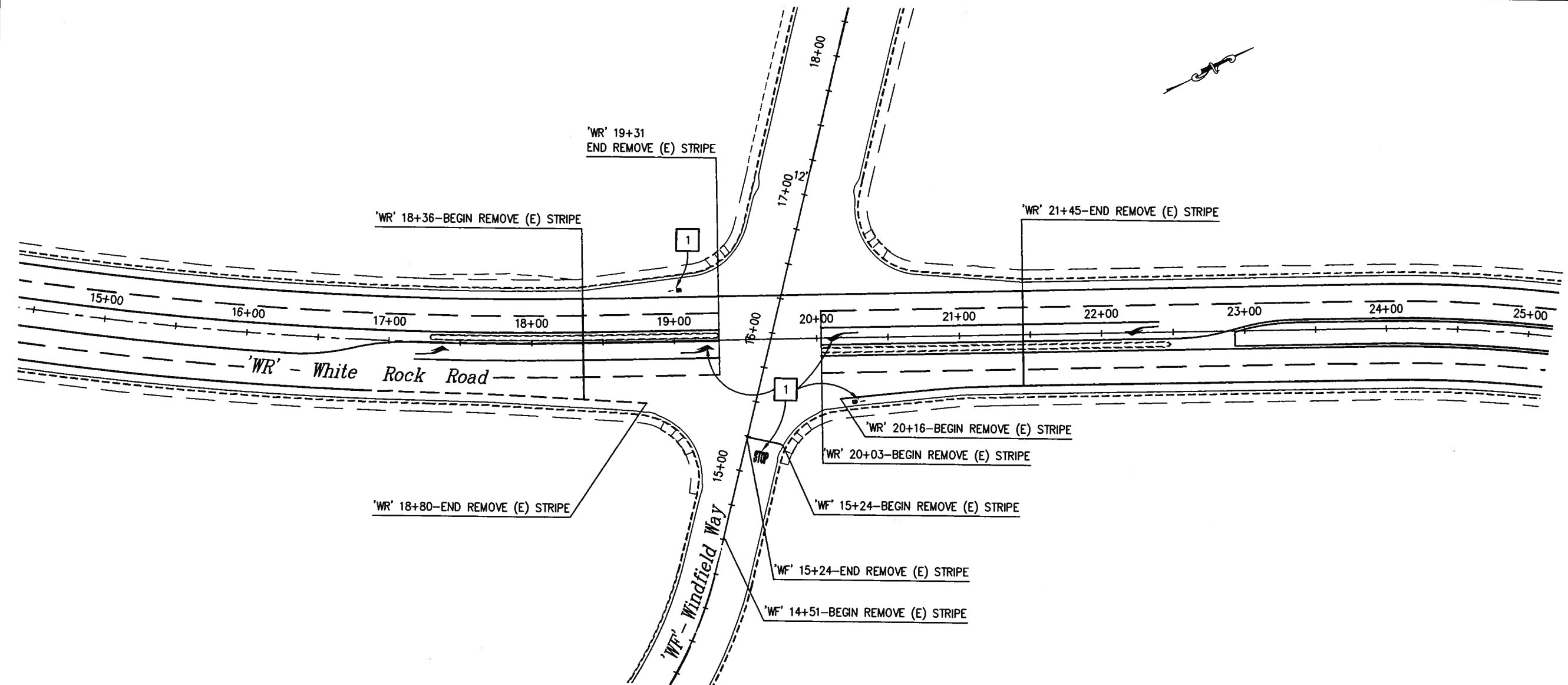
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING AND SIGNALIZATION

SIGN PLAN
 SCALE: 1" = 40'

SHEET
SPD-4
 17 OF 23
 W.O. No. **72372**

Drawing name: C:\Civil_3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-5.dwg Layout Tab: SPD-5 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



REMOVE THERMOPLASTIC TRAFFIC STRIPE	
THERMOPLASTIC STRAFFIC STRIPE (SPRAYABLE)	PAVEMENT MARKER
(LF)	(EA)
1814	38

REMOVE PAVEMENT MARKINGS				
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	QUANTITY (LF)	AREA (SF)	TOTAL AREA (SF)
TYPE III (L) ARROW - A24B	2		42	84
STOP - A24D	1		22	22
LIMIT LINE - A24D		27	27	27
BIKE SYMBOL & ARROW - A24A & A24C	2		14	28
TOTAL				161

GENERAL NOTES:

1 — REMOVE PAVEMENT MARKING

STRIPING LEGEND

↙ TYPE III (L) ARROW

B BIKE LANE SYMBOL

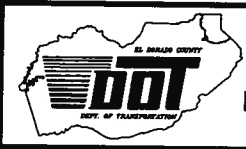
EXISTING PAVEMENT DELINEATION REMOVAL
1" = 40'

REVISION NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Horn
 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34

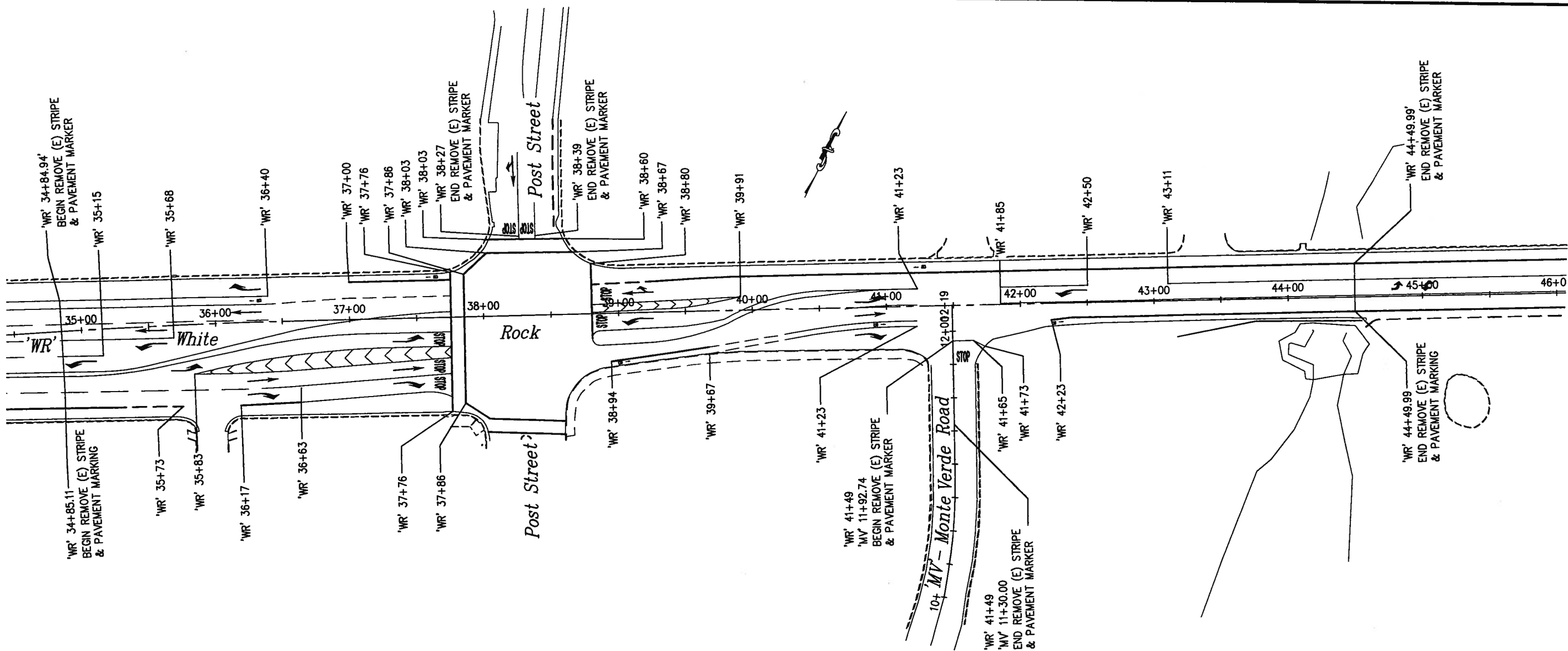


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
SPD-5
18 OF 23
W.O. No. 72372

Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\SPD-6.dwg Layout Tab: SPD-6 Aug 16, 2010
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



STRIPING LEGEND

- TYPE I ARROW
- TYPE II (R) ARROW
- TYPE III (L) ARROW
- TYPE III (R) ARROW
- B** BIKE LANE SYMBOL

REMOVE THERMOPLASTIC TRAFFIC STRIPE	
THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	PAVEMENT MARKER
(LF)	(EA)
6436	138

REMOVE PAVEMENT MARKINGS				
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	QUANTITY (LF)	AREA (SF)	TOTAL AREA (SF)
TYPE I ARROW - A24A	5		31	155
TYPE II (R) ARROW - A24B	1		45	45
TYPE III (L) ARROW - A24B	7		42	294
TYPE III (R) ARROW - A24B	4		42	168
STOP - A24D	6		22	132
CROSSWALK & LIMIT LINE - A24D		537	537	537
BIKE SYMBOL & ARROW - A24A & A24C	6		14	84
TOTAL				1415

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 8-6-2010

DESIGNED: PH
 DRAWN: AN
 CHECKED: DOT
 DATE: 7/21/2010
 ROAD NUMBER: 34



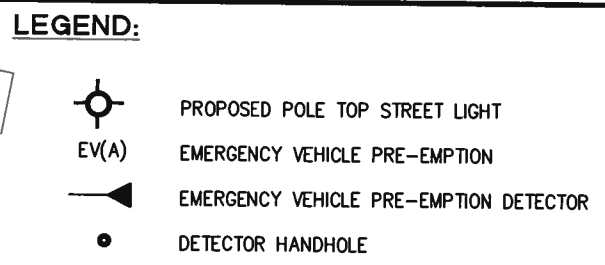
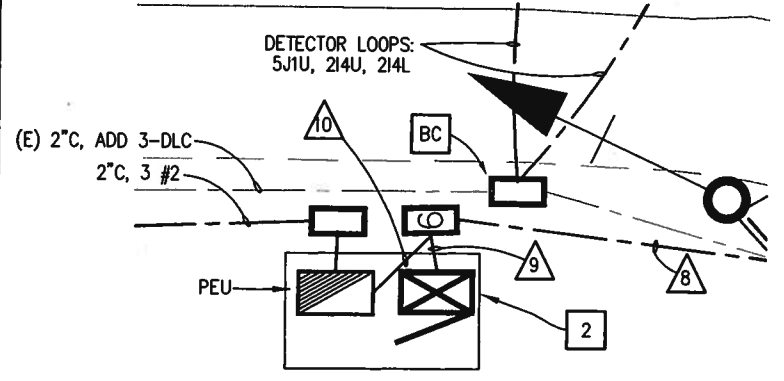
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT DELINEATION REMOVAL
 SCALE: 1" = 40'

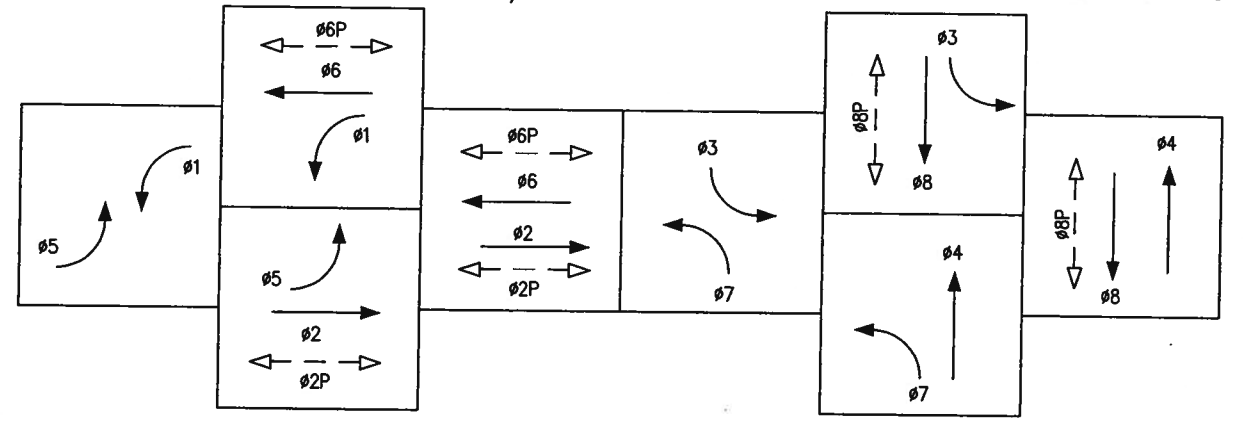
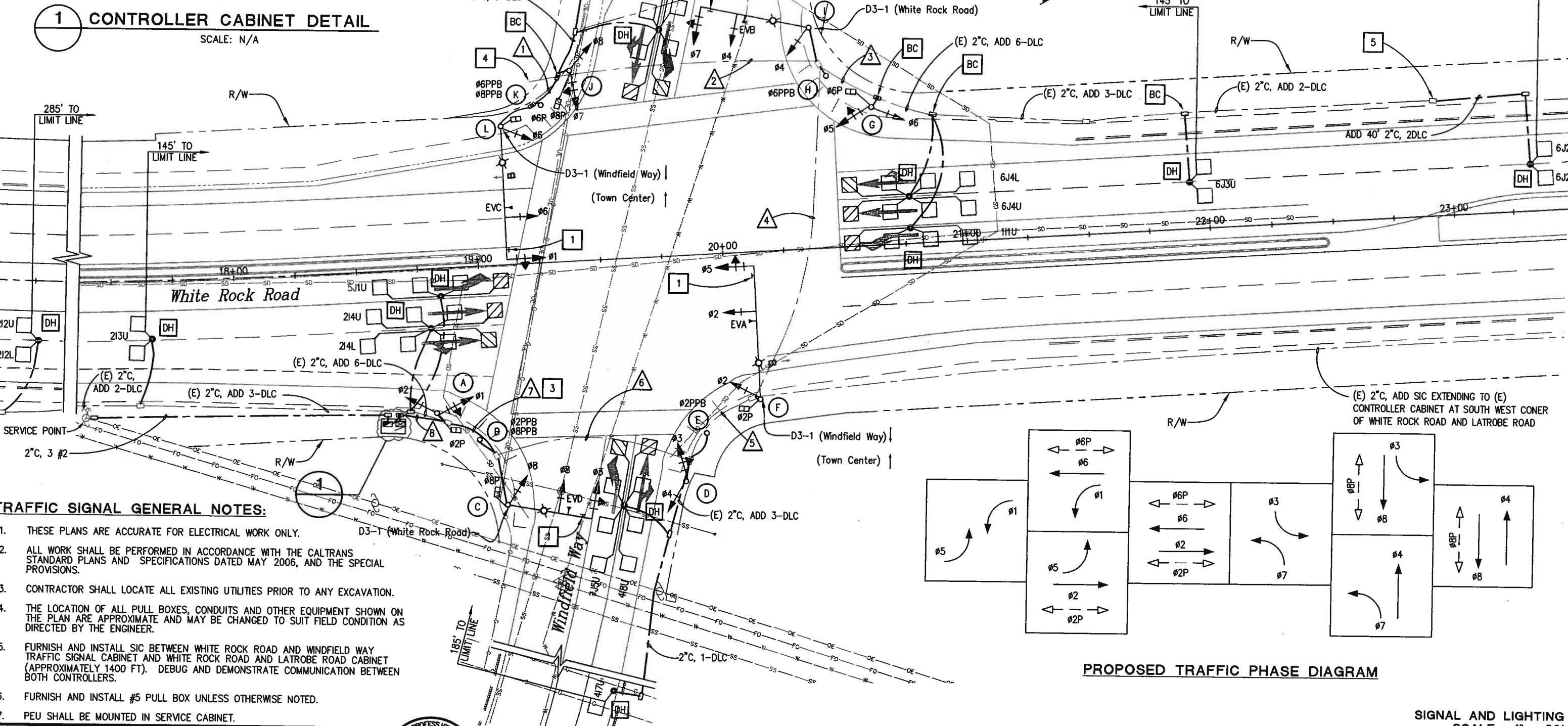
**WHITE ROCK ROAD WIDENING
 AND SIGNALIZATION**

SHEET
SPD-6
 19 OF 23
 W.D. No. **72372**

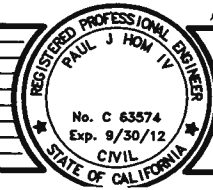
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 Layout Tab: E-1 Aug 16, 2010 - 1:1:1
 ORIGINAL SCALE IS IN INCHES
 2
 1
 0
 FOR REDUCED PLANS



- CONSTRUCTION NOTES:**
- 1 SIGN R73-2 (CA).
 - 2 MOVE CONTROLLER CABINET FROM WHITE ROCK AND POST STREET TO THE LOCATION AS SHOWN ON THIS PLAN.
 - 3 REMOVE EX. 2°C AND INSTALL 2-4°C. (SEE CONDUCTOR AND CONDUIT SCHEDULE).
 - 4 ABANDON APPROXIMATELY 10 FT OF CONDUIT TO NEW PULL BOX.
 - 5 **RC** EXISTING PULL BOX, AND **CC** CONDUIT.



SIGNAL AND LIGHTING
SCALE: 1" = 20'



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
REGISTERED CIVIL ENGINEER
DATE: 8-6-2010

DESIGNED: PH AN
CHECKED: DS DATE: 7/21/2010
ROAD NUMBER: 34



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

**WHITE ROCK ROAD WIDENING
AND SIGNALIZATION**

SHEET
E-1
20 OF 23
W.O. No. 72372

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 2
 1
 0

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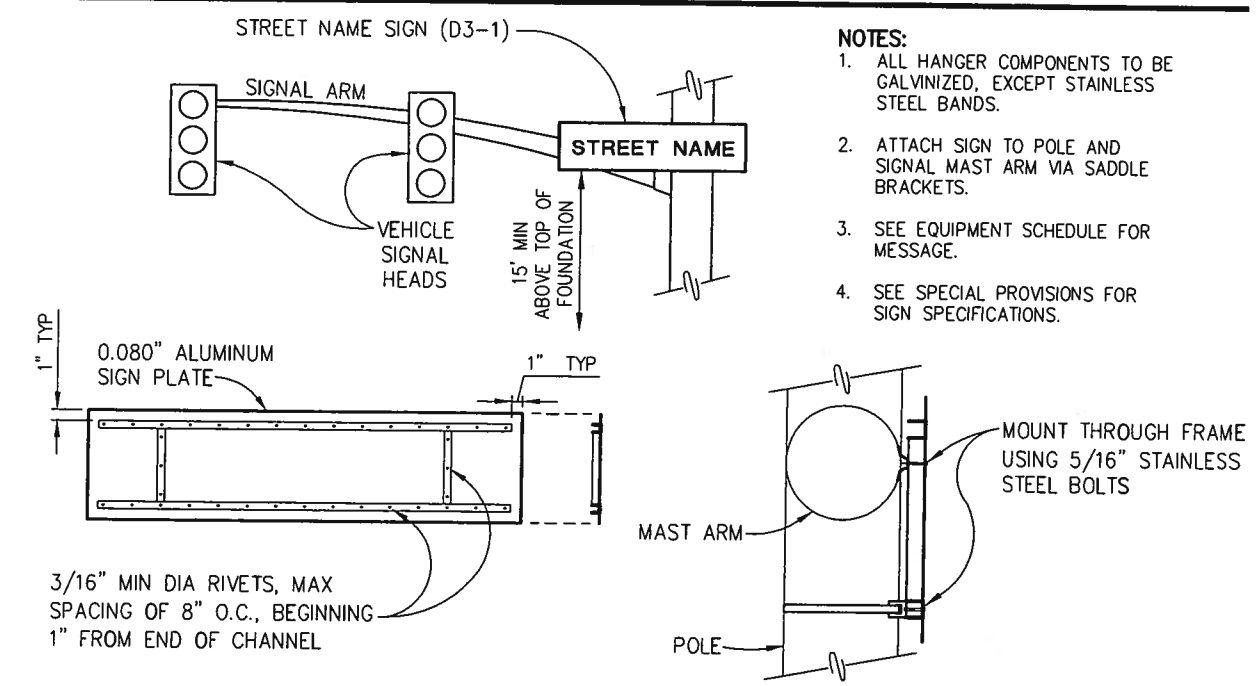
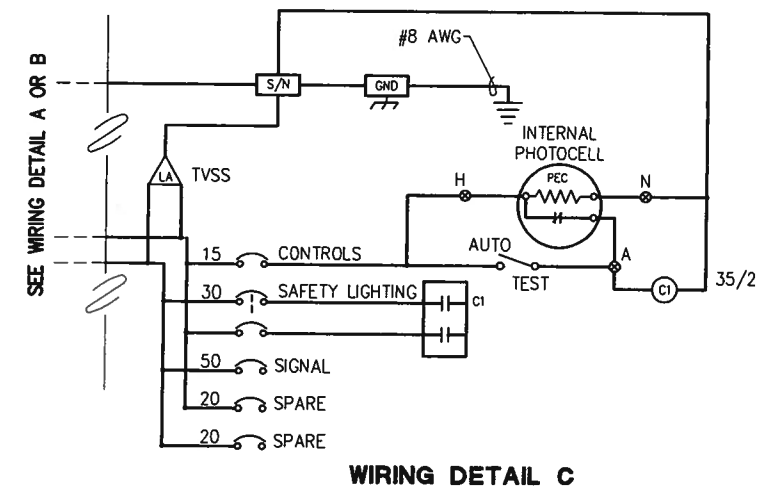
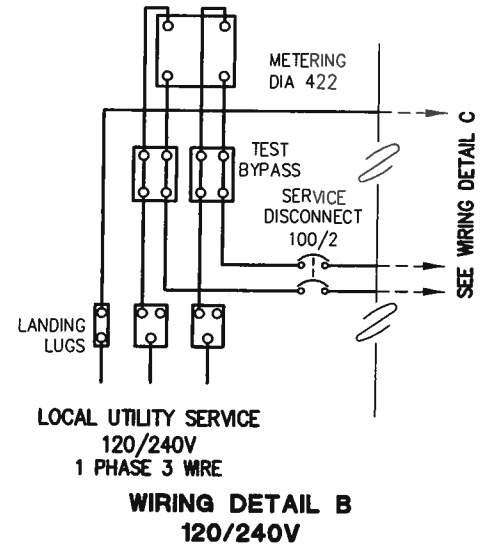
AWG OR CABLE	CONDUCTOR & CONDUIT SCHEDULE																					
	Ø	POLE OR CIRCUIT	RUN No.																			
			1	2	3	4	5	6	7	8	9	10										
3/12 CONDUCTOR CABLE	Ø1, Ø2, Ø2P	POLE A																				
	Ø2PPB, Ø8PPB	POLE B																				
	Ø3, Ø8, Ø8P	POLE C																				
	Ø3, Ø4	POLE D																				
	Ø2PPB	POLE E																				
	Ø2, Ø2P, Ø5	POLE F																				
	Ø5, Ø6, Ø6P	POLE G																				
	Ø6PPB	POLE H																				
	Ø4, Ø7	POLE I																				
	Ø7, Ø8, Ø8P	POLE J																				
Ø6PPB, Ø8PPB	POLE K																					
Ø1, Ø6, Ø6P	POLE L																					
TOTAL CABLES 3/12 CONDUCTORS			1	1	2	1	2	4	2	5	3	6	4	7	4	8	4	8				
#8	LIGHTING		2	2		2	2	2	2	2	2	2	2	2	2	2	2	2			2	
	SIGNAL NEUTRAL		1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2				
TOTAL #8 PER RUN			3	3	1	4	4	4	4	4	4	4	4	4	4	4	4	2			2	
#6	CONTROLLER SERVICE																					
	111U				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
D.L.C.	212U																					
	212L																					
	213U																					
	214U																					
	214L																					
	315U		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	417U																					
	418U																					
	5J1U																					
	6J2U				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	6J2L				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	6J3U				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	6J4U				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	6J4L				1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	7J5U																					
	8J7U		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	8J8U		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	TOTAL DLCs PER RUN			3	6	9	9	12	12	18	18											
	EMERGENCY VEHICLE CABLE	EVA																				
		EVB																				
EVC		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1					
EVD																						
TOTAL EV CABLES PER RUN			1	1		2	3	3	4	4	4											
SIC																						
CONDUIT SIZE			4	4	2	4	1-2 1-4	1-3 1-4	2-4	2-4	2-4	2										
% FILL			6	12	29	25	25	24	22	25	25	3										

No.	POLE & EQUIPMENT SCHEDULE										
	TYPE	SIG. M.A. (FT)	LUM. M.A. (FT)	VEHICLE SIGNAL MTG.			PED SIGNAL MTG.	PPB Ø	LOCATION		REMARKS
				LUMINAIRE HPSV	MAST ARM	POLE			STATION	OFFSET	
(A)	1-B										
(B)	PPB POST							Ø2 Ø8			
(C)	24-4-100	35	15	200 W	MAS Ø3 MAS Ø8	SV-1-T	SP-1-T				F=14'
(D)	1-B					TV-2-T					
(E)	PPB POST							Ø2			
(F)	29-5-100	55	15	200 W	MAS Ø2 MAS Ø5	SV-1-T	SP-1-T				F=19'
(G)	1-B					TV-2-T	SP-1-T				
(H)	PPB POST							Ø6			
(I)	26-4-100	45	15	200 W	MAS Ø4 MAS Ø7	SV-1-T					F=15'
(J)	1-B					TV-2-T	SP-1-T				
(K)	PPB POST							Ø6 Ø8			
(L)	29-5-100	55	15	200 W	MAS Ø1 MAS Ø6	SV-1-T	SP-1-T				F=17'

* EXISTING CONDUIT
 ** EXISTING CONDUIT + PROPOSED CONDUIT

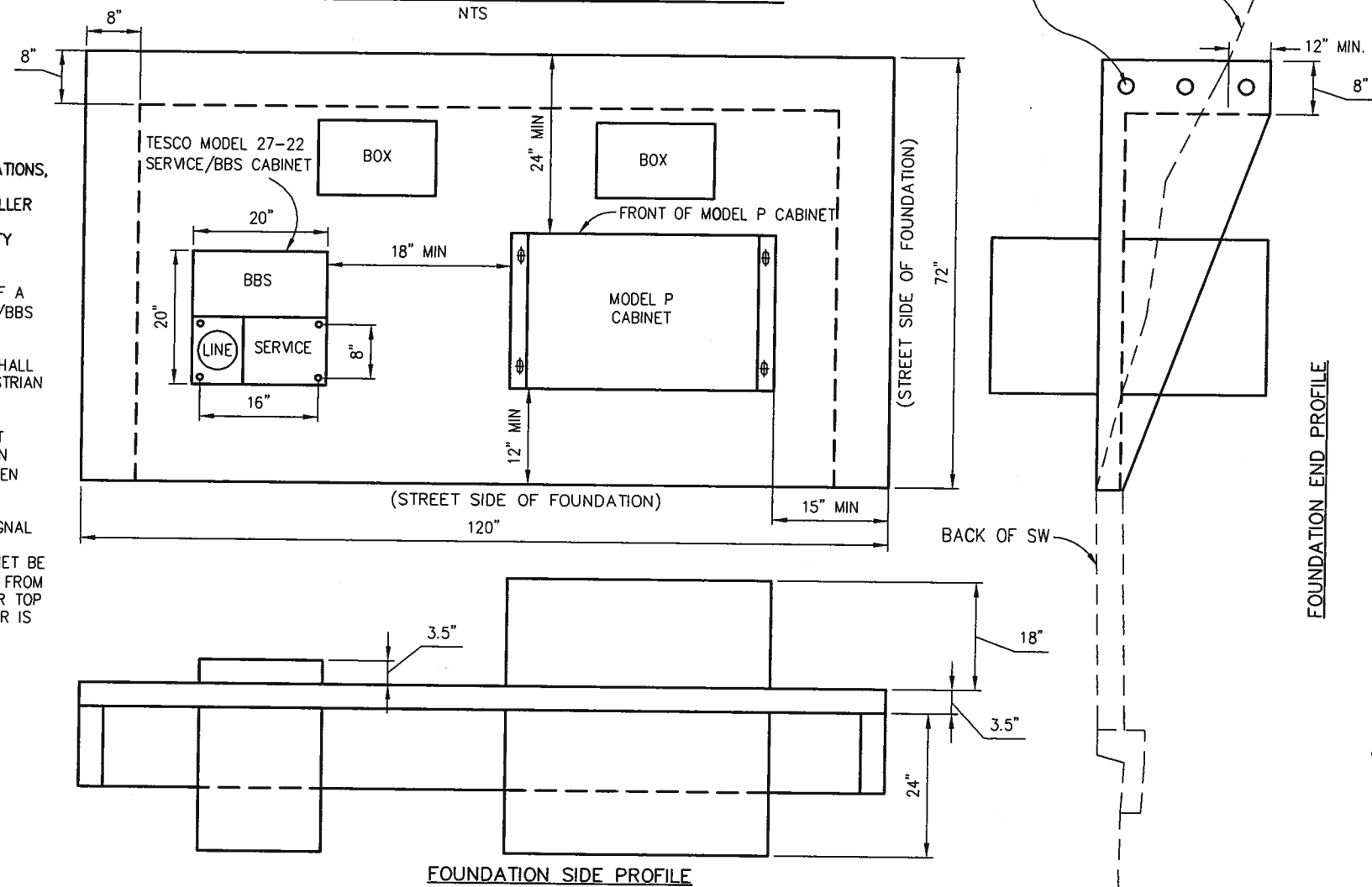
REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF: 	DESIGNED: PH CHECKED: DOT ROAD NUMBER: 34	DRAWN: AN DATE: 7/21/2010		EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION	WHITE ROCK ROAD WIDENING AND SIGNALIZATION	SHEET E-2 21 OF 23 W.O. No. 72372
		REGISTERED CIVIL ENGINEER DATE: 8-6-2010	SIGNAL AND LIGHTING SCALE: 1" = 40'					

ORIGINAL SCALE IS IN INCHES
 Drawing name: C:\Civil 3D\Projects\72372 White Rock Road to Keables\CADD Files\Sheets\Reduced Budget Plan Sheets\E-3.dwg Layout Tab: E-3 Aug 16, 2010 - 12:10pm An Nguyen
 FOR REDUCED PLANS
 REVISION
 NUMBER DATE DESCRIPTION BY



- NOTES:**
1. ALL HANGER COMPONENTS TO BE GALVANIZED, EXCEPT STAINLESS STEEL BANDS.
 2. ATTACH SIGN TO POLE AND SIGNAL MAST ARM VIA SADDLE BRACKETS.
 3. SEE EQUIPMENT SCHEDULE FOR MESSAGE.
 4. SEE SPECIAL PROVISIONS FOR SIGN SPECIFICATIONS.

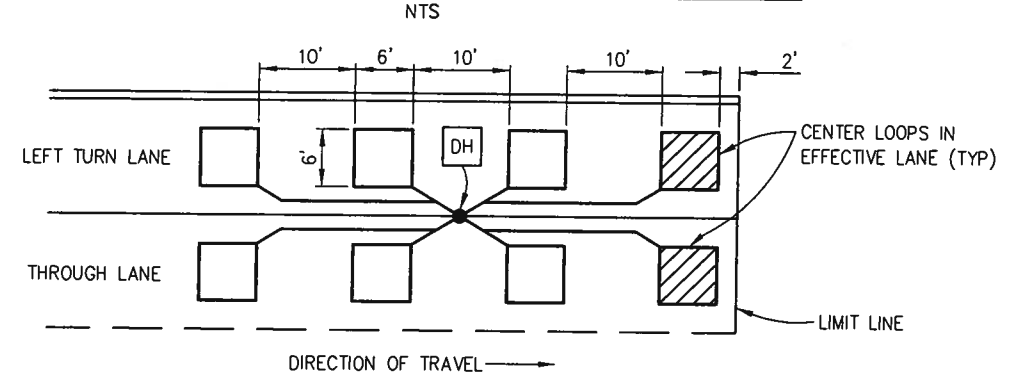
TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) SERVICE EQUIPMENT WIRING DIAGRAM



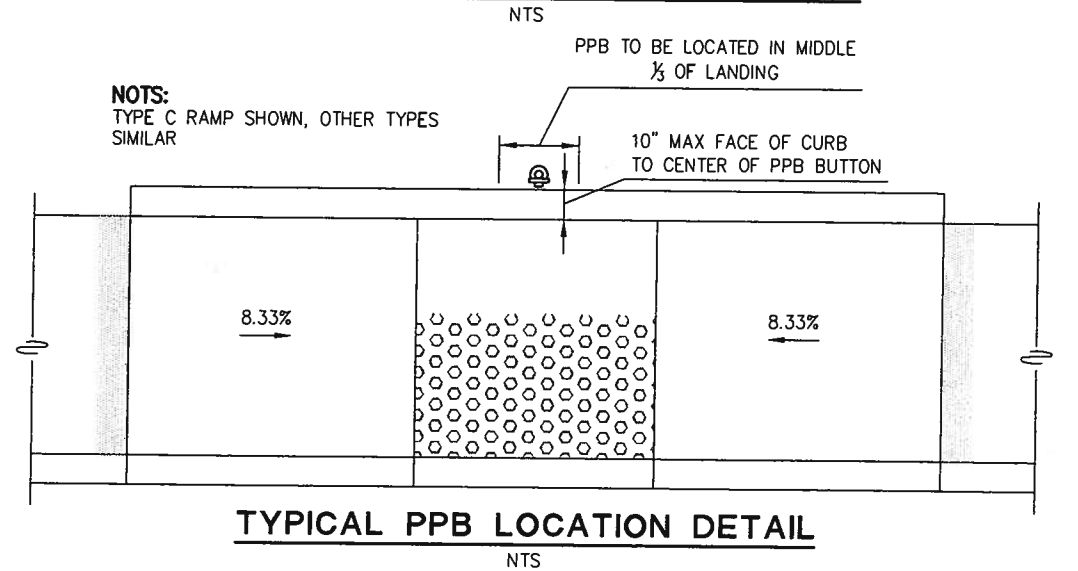
TYPICAL SIGNAL CONTROLLER PAD MODEL P CABINET W/ 18" RISER
NTS

- IN ADDITION TO MEETING ALL CURRENT CALTRANS SPECIFICATIONS, THE FOUNDATION FOR THE ELECTRICAL SYSTEMS CONTROLLER CABINET SHALL MEET THE FOLLOWING EL DORADO COUNTY SPECIAL PROVISIONS:
1. SERVICE SHALL CONSIST OF A TESCO 27-22 TYPE III-AF/BBS COMBO.
 2. ELECTRICAL PULL BOXES SHALL NOT BE LOCATED IN PEDESTRIAN TRAVELWAY (SIDEWALK).
 3. CABINET DOORS SHALL NOT PROTRUDE INTO PEDESTRIAN TRAVELWAY (SIDEWALK) WHEN OPEN.
 4. IN NO CASE SHALL THE SIGNAL CABINET, BATTERY BACKUP CABINET OR SERVICE CABINET BE LESS THAN FOUR (4) FEET FROM THE EDGE OF PAVEMENT OR TOP BACK OF CURB, WHICH EVER IS GREATER.

STREET NAME SIGN MOUNTING DETAIL



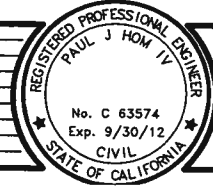
TYPICAL PPB LOCATION DETAIL



- NOTES:**
TYPE C RAMP SHOWN, OTHER TYPES SIMILAR

SCALE : NONE
CONSTRUCTION DETAILS
TRAFFIC SIGNAL INSTALLATION

DESIGNED: PH	DRAWN: AN
CHECKED: DS	DATE: 7/21/2010
ROAD NUMBER: 34	



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
REGISTERED CIVIL ENGINEER
DATE: 8-6-2010



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

SHEET
E-3
22 OF 23
W.O. No. 72372

EL DORADO COUNTY SIGNAL SPECIAL PROVISIONS

ALL SIGNAL INSTALLATIONS SHALL CONFORM TO ALL CURRENT STATE OF CALIFORNIA STANDARD SPECIFICATIONS WITH THE EXCEPTION OF THE BELOW ITEMIZED EL DORADO COUNTY SPECIAL PROVISIONS:

GENERAL PROVISIONS

1. USE OF PROGRAMMED VISIBILITY SIGNAL HEADS SHOULD BE MINIMIZED. FOR LEFT TURN LANES, RED, YELLOW AND GREEN ARROWS SHOULD BE USED.
2. THE RED, YELLOW AND GREEN INDICATIONS FOR ALL SIGNAL HEADS SHALL, WITH THE EXCEPTION OF THE PROGRAMMED VISIBILITY HEAD, COMPLY WITH THE CALTRANS TYPE I LED SPECIFICATION AND, TO EVERY EXTENT POSSIBLE, EXHIBIT THE APPEARANCE OF AN INCANDESCENT FIXTURE (i.e. Dialight DuraLED or Gelcore).
3. ALL PROGRAMMED VISIBILITY HEADS SHALL USE CALTRANS APPROVED LED MODULES FOR LUMINATION.
4. ALL SIGNAL HEADS SHALL BE 12".
5. ALL SIGNALS SHALL BE DESIGNED WITH "NEAR-RIGHT" INDICATIONS FOR ALL THROUGH PHASES.
6. ALL SIGNAL HEADS SHALL BE FURNISHED WITH "TUNNEL" TYPE VISORS.
7. ALL SIGNAL HEADS, BACKING PLATES AND VISORS SHALL BE PAINTED ALUMINUM.
8. PEDESTRIAN HEADS SHALL BE LED. (FULL HAND/MAN TYPE ONLY)
9. ALL PEDESTRIAN HEADS LOCATED WITHIN SCHOOL ZONES SHALL BE COUNTDOWN TYPE LED HEADS WITH FULL HAND/MAN DISPLAY.
10. PEDESTRIAN HEADS IN AREAS OF HIGH PEDESTRIAN USE, AS DETERMINED BY THE ENGINEER, SHALL BE COUNTDOWN TYPE LED HEADS WITH FULL HAND/MAN DISPLAY.
11. ALL PED PUSH BUTTONS SHALL BE ADA COMPLIANT AND FULLY WARRANTED AGAINST STICKING.
12. WHENEVER POSSIBLE MULTI-CONDUCTOR SIGNAL CABLE SHOULD BE USED RATHER THAN INDIVIDUAL WIRES.
13. TYPE II LOOP CABLE SHALL BE USED FOR ALL LOOP DETECTORS.
14. TYPE B LEAD-IN CABLE (DLC) SHALL BE USED FOR LOOP LEAD IN WIRE.
15. DETECTOR HANDHOLE SHALL BE REINFORCED CONCRETE WITH CAST IRON FRAME AND COVER. THE COVER SHALL BE SECURED BY TWO (2) 5/8" X 1 1/2" STAINLESS STEEL SCREW.
16. ALL DETECTOR HANDHOLE COVERS SHALL BE SET TO GRADE OR RAISED TO GRADE FOLLOWING FINAL PAVING.
17. ALL FUSE HOLDERS FOR LUMINAIRES SHALL BE LOCATED INSIDE POLE HAND HOLE.
18. LOOPS FOR THE COLLECTION OF VEHICLE COUNT DATA SHALL BE PROVIDED AS REQUESTED BY COUNTY.
19. ALL STREET NAME SIGNS SHALL BE "HIGH INTENSITY".
20. ALL STREET NAME SIGNS SHALL BE MOUNTED ACROSS POLE AND MAST ARM, NOT HUNG FROM MAST ARM.

EMERGENCY VEHICLE PREEMPTION

21. EMERGENCY VEHICLE PREEMPTION SYSTEM MUST BE I.D. CAPABLE.
22. FOR MAINTENANCE PURPOSES AND TO CONFORM WITH CURRENTLY INSTALLED COUNTY EQUIPMENT, ALL EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE OPTICOM.

SIGNAL CONTROL CABINET

23. CABINET SHALL BE EQUIPPED WITH A FLUORESCENT LIGHT WHICH COMES ON AUTOMATICALLY WHEN EITHER DOOR IS OPENED.
24. ALL 332 CABINETS SHALL BE FURNISHED WITH A DOCUMENT DRAWER.

DELIVERY INFORMATION

25. CONTRACTOR SHALL NOTIFY EL DORADO COUNTY WHEN THEY WILL NEED THE COUNTY FURNISHED SIGNAL EQUIPMENT A MINIMUM OF ONE (1) WEEK PRIOR TO PICKUP. CONTRACTOR SHALL ARRANGE PICKUP WITH THE EL DORADO COUNTY INSPECTOR RESPONSIBLE FOR THE PROJECT. CONTRACTOR SHALL PICKUP THE COUNTY FURNISHED EQUIPMENT AT 2441 HEADINGTON ROAD, PLACERVILLE, CALIFORNIA, AND TRANSPORT TO THE PROJECT SITE.

COMBINATION ELECTRICAL SERVICE CABINET/BATTERY BACKUP SYSTEM

26. THE ELECTRICAL SERVICE/BBS UNIT SHALL CONSIST OF A TESCO 27-22 CONFIGURED TO EL DORADO COUNTY SPECIFICATIONS.
27. BBS SHALL BE CAPABLE OF OPERATING A 100% LED EQUIPPED TYPICAL FULL EIGHT PHASE INTERSECTION FOR NO LESS THAN FOUR (4) HOURS OF FULL RUN TIME OPERATION PLUS FOUR (4) HOURS OF ALL RED FLASH.
28. A PHOTOELECTRIC CELL SHALL BE LOCATED WITHIN THE SERVICE CABINET.

NEW TRAFFIC TURN-ON PROCEDURES

NOTE: SOME OF THE FOLLOWING PROCEDURES MAY BE PERFORMED PRIOR TO THE FINAL TURN-ON AS LONG AS ALL TESTS ARE OBSERVED AND/OR ACCEPTED BY THE RESPONSIBLE EL DORADO COUNTY INSPECTOR. ALL TESTING IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR. UNLESS OTHERWISE NOTED, ANY CHANGES TO OR MODIFICATION OF THIS STANDARD TURN-ON PROCEDURE MUST BE APPROVED BY THE ENGINEER IN RESPONSIBLE CHARGE.

1. CHECK ALL SIGNAL LIGHTING CIRCUITS. (RESPONSIBILITY OF ELECTRICAL CONTRACTOR. INSPECTOR MAY REQUEST TO BE PRESENT AT HIS DISCRETION.)
 - a. REMOVE ALL LOAD SWITCHES (MODEL 200) AND THE FLASHER UNITS (MODEL 204). THIS MUST BE DONE TO ASSURE THEIR PROTECTION AND TO PREVENT FEEDBACK THROUGH THE SWITCH CAUSING A POSSIBLE MISLEADING INDICATION AT THE SIGNALS. THE CONTROLLER UNIT SHOULD BE "OFF" DURING THIS TEST PROCEDURE.
 - b. CHECK EACH INDIVIDUAL SIGNAL FIELD CIRCUIT BY APPLYING 120 VOLTS AC TO THE FIELD TERMINAL OF EACH INDICATION. THIS PROCEDURE IS OFTEN CALLED "FLASHING" THE SIGNAL HEADS.
 - c. DURING "FLASHING" PROCEDURE, VERIFY THAT ALL INDICATIONS THAT SHOULD BE "ON" ARE "ON" AND THAT ALL INDICATIONS THAT SHOULD BE "OFF" REMAIN "OFF". THIS VERIFICATION MAY BE ACCOMPLISHED THROUGH THE USE OF SMALL HOLES CUT IN THE SIGNAL FACE COVERINGS. SIGNALS MUST REMAIN COVERED DURING THIS OPERATION UNLESS THE CONTRACTOR PROVIDES MANUAL TRAFFIC CONTROL (FLAGGING) AND THAT CONTROL HAS BEEN APPROVED BY THE INSPECTOR.
2. CHECK LUMINAIRES (STREET LIGHTING). (RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. INSPECTOR MAY REQUEST TO BE PRESENT AT HIS DISCRETION.)
 - a. CHECK POWER PEDESTAL TO ASSURE THAT SWITCH FOR LUMINAIRES IS SET TO "AUTO".
 - b. COVER THE PHOTO ELECTRIC CELL AND VERIFY THAT ALL LUMINAIRES COME ON. (THIS TEST WILL TAKE A FEW MINUTES.)
 - c. REMOVE COVER FROM PHOTO ELECTRIC CELL VERIFYING THAT LUMINAIRES GO DARK.
 - d. SET SWITCH IN POWER PEDESTAL TO THE "TEST" POSITION AND VERIFY THAT ALL LUMINAIRES COME ON. (THIS TEST WILL TAKE A FEW MINUTES.)
 - e. SET SWITCH BACK TO "AUTO". SIGNALS CAN NOT BE TURNED ON UNLESS ALL LUMINAIRES ARE FUNCTIONING PROPERLY.
 - f. WHEN ALL TESTS ARE COMPLETE, SET SWITCH TO "TEST". THIS CONDITION SHOULD REMAIN FOR AT LEAST TWO WEEKS TO ALLOW "BURN IN" OF LUMINAIRES. THIS PERIOD MAY OCCUR AFTER THE SIGNALS HAVE BEEN TURNED ON.
3. CHECK ALL DETECTOR CIRCUITS. ALTHOUGH THESE TESTS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, SOME DO REQUIRE THE COOPERATION AND PARTICIPATION OF THE EL DORADO COUNTY INSPECTOR AND APPROPRIATE COORDINATION SHOULD BE ARRANGED.
 - a. ALL DETECTOR LOOPS ARE TO BE TESTED FOR CONTINUITY AND RESISTANCE TO GROUND. RESISTANCE TO GROUND SHALL EXCEED 100 MEG OHMS. COUNTY INSPECTOR, AT HIS DISCRETION, SHOULD BE PRESENT DURING THESE TESTS AND OBSERVE RESULTS.
 - b. THE FUNCTIONALITY OF ALL VEHICLE DETECTION SHALL BE DEMONSTRATED BY USE OF A CONTRACTOR PROVIDED TEST VEHICLE WHILE CABINET INDICATIONS AND RESPONSES ARE OBSERVED BY THE COUNTY INSPECTOR.
 - c. THE CONTRACTOR SHALL DEMONSTRATE THE FUNCTIONALITY OF THE PED PUSH BUTTON CIRCUITS BY ACTIVATING THE PED PUSH BUTTONS WHILE CABINET INDICATIONS AND RESPONSES ARE OBSERVED BY THE COUNTY INSPECTOR.

4. SIGNS AND PAVEMENT MARKINGS.
 - a. THERE MUST BE A MINIMUM OF THREE (3) DAYS OF DRY PAVEMENT PRIOR TO THE APPLICATION OF ANY PAVEMENT MARKINGS.
 - b. APPLICATION OF PAVEMENT MARKINGS SHOULD BE COORDINATED SO THAT THE WORK IS COMPLETED ON MONDAY THROUGH WEDNESDAY AND AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO ANY COUNTY OBSERVED HOLIDAY.
 - c. ALL PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SHALL BE IN PLACE THE DAY PRIOR TO SIGNAL TURN-ON TO ACCOMMODATE COORDINATION. ANY SIGNS ASSOCIATED WITH THE SIGNALS SHALL BE COVERED BY THE CONTRACTOR AND REMAIN COVERED UNTIL FINAL TURN-ON.
 - d. BETWEEN THE TIME THE STRIPING IS COMPLETE AND THE SIGNALS ARE PLACED INTO OPERATION, THE ENGINEER IN RESPONSIBLE CHARGE OR HIS DESIGNEE MAY REQUIRE THE CONTRACTOR TO INSTALL INTERIM SIGNING AND/OR SAFETY MEASURES TO MEET THE SAFETY NEEDS OF THE COMMUNITY.
 - e. INSPECTOR SHALL CHECK ALL PAVEMENT MARKINGS TO ASSURE THAT THEY ARE IN PLACE AND COMPLY WITH THE PLANS PRIOR TO NOTIFYING INVOLVED OR INTERESTED PARTIES AND/OR AGENCIES OF PLANNED TURN-ON SCHEDULE. (EXAMPLE OF PARTIES TO BE NOTIFIED, AS NEEDED: CALTRANS, DOT TRAFFIC UNIT, CHP, SHERIFF, PRIME CONTRACTOR, ELECTRICAL CONTRACTOR, ENGINEER, ETC.)
 - f. ON THE DAY OF THE TURN-ON, THE SIGNAL OPERATIONS ENGINEER OR HIS DESIGNEE SHALL HAVE THE RESPONSIBILITY OF DETERMINING THE EXACT TIME OF THE TURN-ON BASED ON SAFETY AND OPERATIONAL CONSIDERATIONS.
5. FINAL TURN-ON PROCEDURE. (RESPONSIBILITY OF THE SIGNAL MAINTENANCE CONTRACTOR EXCEPT AS NOTED.)

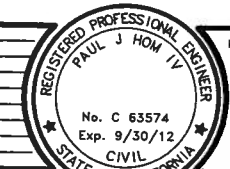
THE SIGNALS CAN NOT BE TURNED ON UNLESS ALL SIGNS AND MARKINGS ARE IN PLACE. FINAL SIGNAL TURN-ON SHALL NOT OCCUR DURING RAINY OR FOGGY WEATHER, AND SHALL NOT OCCUR ON MONDAY, FRIDAY OR WITHIN THREE (3) DAYS PRIOR TO ANY HOLIDAY, UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE EL DORADO COUNTY ENGINEER IN RESPONSIBLE CHARGE.

 - a. REMOVE THE CONFLICT MONITOR AND VERIFY THAT IT HAS BEEN TESTED AND THAT THE CORRECT AND PROPERLY CONFIGURED DIODE BOARD IS INSTALLED. THIS IS ACCOMPLISHED BY REVIEWING THE ACCOMPANYING MT-180 TEST PRINTOUT STRIP AND ASSURING THAT THE PROGRAM BOARD IS PROPERLY CONFIGURED FOR THE INDICATED INTERSECTION. THE TEST STRIP SHOULD BE SIGNED OR INITIALED BY THE RESPONSIBLE TECHNICIAN. THE INTERSECTION CAN NOT BE TURNED ON WITHOUT THE PRESENCE OF AN MT-180 TEST STRIP.
 - b. CHECK TO VERIFY THAT THE TIMING PLAN PROVIDED BY THE SIGNAL OPERATIONS ENGINEER HAS BEEN PROPERLY ENTERED INTO THE CONTROLLER.
 - c. REMOVE COVERS FROM SIGNAL HEADS. (RESPONSIBILITY OF ELECTRICAL CONTRACTOR.)
 - d. PLACE SIGNAL INTO FLASHING OPERATION.
 - e. REMOVE ALL COVERS FROM SIGNS. ALSO REMOVE ANY INTERIM SIGNING OR SAFETY MEASURES THAT MAY HAVE BEEN PUT IN PLACE. (THIS IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR.)
 - f. REMOVE ALL EXISTING STOP SIGNS. (THIS IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR.)
 - g. PLACE SIGNALS INTO AUTOMATIC OPERATION.
 - h. REMOVE MANUAL TRAFFIC CONTROL.
 - i. OBSERVE OPERATIONS AND MAKE ANY ADJUSTMENTS TO OPERATIONS THAT ARE IDENTIFIED AS NECESSARY.

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\72372 White Rock Road to Keebles\CADD Files\Sheets\Reduced Budget Plan Sheets\E-4.dwg
Layout Tab: E-4 Aug 16, 2010 - 12:12pm Alkayen

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Paul J. Hom
REGISTERED CIVIL ENGINEER
DATE: 8-6-2010

DESIGNED: PH
DRAWN: AN
CHECKED: DS
DATE: 7/21/2010
ROAD NUMBER: 34



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

WHITE ROCK ROAD WIDENING
AND SIGNALIZATION

CONSTRUCTION DETAILS
TRAFFIC SIGNAL INSTALLATION
SCALE : NONE

SHEET
E-4
23 OF 23
W.D. No. 72372