

# Sheet Index

SHEET	PLAN SHEET	TITLE
1	1	TITLE SHEET
2	G-1	SURVEY CONTROL DIAGRAM
3	X-1	TYPICAL ROADWAY SECTIONS
4	DM-1	DUROCK ROAD STA 467+00 TO STA 473+00 - DEMO
5	DM-2	DUROCK ROAD STA 473+00 TO STA 478+00 - DEMO
6	L-1	DUROCK ROAD STA 467+00 TO STA 473+00 - IMPROVEMENTS
7	L-2	DUROCK ROAD STA 473+00 TO STA 478+00 - IMPROVEMENTS
8	L-3	BUSINESS DRIVE STA 10+00 TO STA 12+00, VIA DEL GATOS-IMPROVEMENTS
9	C-1	CONSTRUCTION DETAILS
10	C-2	CONSTRUCTION DETAILS
11	C-3	BLOCK WALL PLAN AND PROFILE
12	D-1	STORM DRAIN - PLAN AND PROFILES
13	SPD-1	SIGNING AND STRIPING PLAN AND QUANTITIES
14	SC-1	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
15	SC-2	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
16	SC-3	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
17	E-1	TRAFFIC SIGNAL AND LIGHTING PLAN
18	E-2	TRAFFIC SIGNAL, LIGHTING NOTES AND DETAILS
19	U-1	DUROCK ROAD STA 467+00 TO STA 478+00 - UTILITY
20	EC-1	EROSION CONTROL PLAN

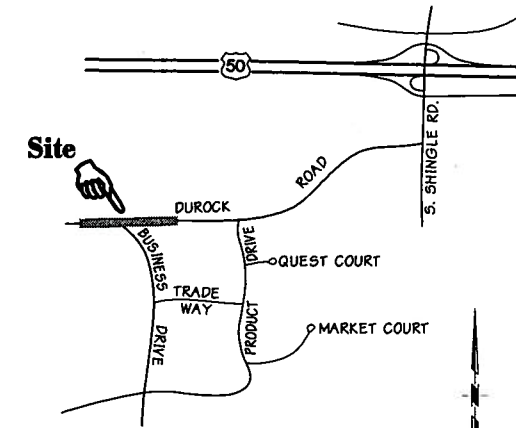
# DEPARTMENT OF TRANSPORTATION COUNTY OF EL DORADO, CA

## PROJECT PLANS FOR THE CONSTRUCTION OF DUROCK ROAD & BUSINESS DRIVE TRAFFIC SIGNAL & INTERSECTION WIDENING - CONTRACT NO. 73354

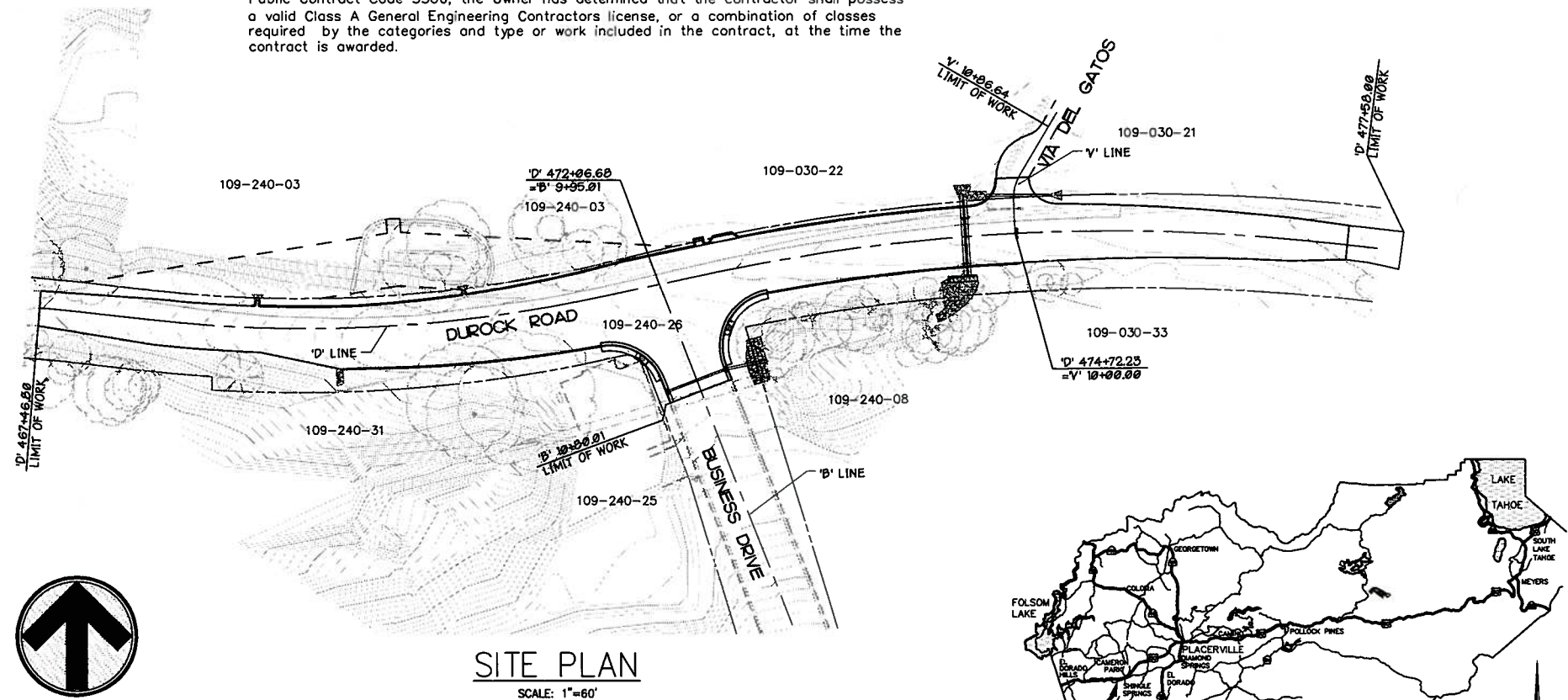
IN THE COUNTY OF EL DORADO, DISTRICT II  
SHINGLE SPRINGS, CA

To be supplemented with Standard Plans and Specifications dated May 2006,  
of the California Department of Transportation.

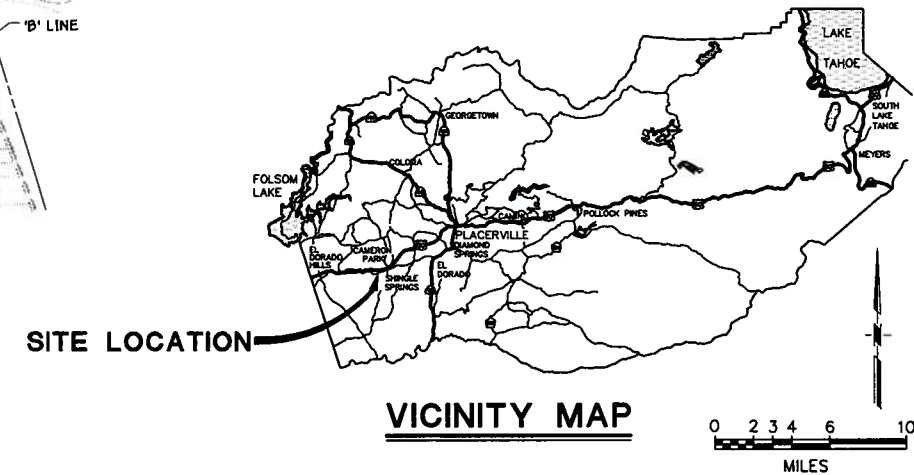
The Contractor's license Classification: In accordance with the provisions of California  
Public Contract Code 3300, the Owner has determined that the contractor shall possess  
a valid Class A General Engineering Contractors license, or a combination of classes  
required by the categories and type or work included in the contract, at the time the  
contract is awarded.



**LOCATION MAP**  
NOT TO SCALE



**SITE PLAN**  
SCALE: 1"=60'



**VICINITY MAP**

## Utility Representatives

GAS	PACIFIC GAS & ELECTRIC	BRIAN RICHIE	530-621-7264
ELECTRICITY	PACIFIC GAS & ELECTRIC	BRIAN RICHIE	530-621-7264
TELEPHONE	AT&T	JERRY SHAMBRE	530-621-6946
WATER	EL DORADO IRRIGATION DISTRICT	MIKE BRINK	530-642-4054
SEWER	EL DORADO IRRIGATION DISTRICT	ELIZABETH WELLS	530-642-4146
DRAINAGE	COUNTY OF EL DORADO	DOT	530-621-5900
FIRE PROTECTION	EL DORADO FPD	MARK JOHNSON	530-644-9650
CABLE TELEVISION	COMCAST/AC SQUARE	KIP MILLER	650-444-5065
OTHER	UNDERGROUND SERVICE ALERT		800-642-2444

**BOARD OF SUPERVISORS**

I	JOHN KNIGHT
II	RAY NUTTING
III	JAMES SWEENEY
IV	RON BRIGGS
V	NORMA SANTIAGO

**COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION**

(916) 358-3550  
4505 GOLDEN FOOTHILL PKWY  
EL DORADO HILLS, CA 95762

APPROVED BY: *[Signature]* DATE: 7/20/10  
NORMA SANTIAGO, CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS

APPROVED BY: *[Signature]* DATE: 7/20/10  
JAMES W. WARD, P.E., COUNTY ENGINEER, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

MAILED 10:58 AM 7/20/10  
REPUTY DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

CONTRACT NO. PW 09-30449; CIP NO. 73354

**DUROCK ROAD & BUSINESS DRIVE TRAFFIC SIGNAL  
& INTERSECTION WIDENING  
TITLE SHEET**

SUBMITTAL DATE: 05-14-10  
1 OF 20 SHEET

REVISIONS		
MARK	DATE	BY

*[Signature]* 07/19/2010  
SUBMITTED BY: CHUCK S. PAZZI DATE  
CIVIL ENGINEER  
STATE OF CALIFORNIA NO. C52677

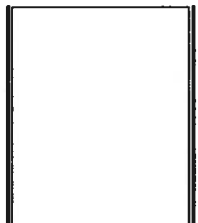


**CALTRANS 2006 Standard Plan Abbreviations**

AB aggregate base	EA each easement	Max maximum	PRC point of reverse curve	SI International System of Units	Trans transition
ABBC asbestos bonded	EB end of bridge or eastbound	MB metal beam	PRF pavement reinforcing fabric	SM selected material	TS traffic signal or tubular steel
ABM air-blown mortar	EC end horizontal curve	MBB metal beam barrier	PRVC point of reverse vertical curve	Spec special	Typ typical
Abn abandon	EDR end curb return	MBGR metal beam guard railing	PSP perforated steel pipe	SFP slotted plastic pipe	Typ Sec typical section
Abut abutment	ED edge drain	Med median	PVC polyvinyl chloride	SS slope stake	UC undercrossing
AC asphalt concrete	EDC edge drain cleanout	MFBM thousand foot board	Pvmt pavement	SQFT square foot	UD underdrain
ACB asphalt concrete base	EDO edge drain outlet	MH manhole	R radius	SQYD square yard	UP underpass
ACP asphalt cement pipe	EDV edge drain vent	Mkr marker	RCA reinforced concrete arch	SSBM strap and saddle bracket	V design speed or valve
AFES alternative flared end section	Elev elevation	Min minimum, minutes	RCB reinforced concrete box	method	Var variable
Ahd ahead	Emb embankment	Misc I & S miscellaneous iron and steel	RCP reinforced concrete pipe	SSPA structural steel plate arch	VC vertical curve
Adj adjust	EP edge of pavement	Misc miscellaneous	RCPA reinforced concrete pipe arch	SSPP structural steel plate pipe	VCP vitrified clay pipe
Alt alternate	Eq equation	Mod modified or modify	R & D remove and dispose	SSPPA structural steel plate pipe arch	Vert vertical
AP alternative pipe	ES edge of shoulder	Mon monument	Rd road	SSRP steel spiral rib pipe	Via viaduct
APC alternative pipe culvert	ETW edge of traveled way	MP metal plate	Reinf reinforced or reinforcing	St station	W width
APU alternative pipe underdrain	EVC end vertical curve	MPGR metal plate guard railing	Rel relocate	STBB single thrie beam barrier	WB westbound
AS aggregate subbase	EW endwall	MR movement rating	Ret retaining	Std standard	WH weep hole
ASRP aluminum spiral rib pipe	Exc excavation	MU material	RM road-mixed	Str structure	WM wire mesh
Assy assembly	Exist existing	NB northbound	RP reference point	Surf surfacing	WSP welded steel pipe
ATPB asphalt treated permeable base	Exp Jt expansion joint	No. number	R & S remove and salvage	SW sidewalk or sound wall	WV water valve
ATPM asphalt treated permeable material	F & C frame and cover	NPS nominal pipe size	RSP rock slope protection	Swr sewer	WW wing wall
Ave avenue	Fdn foundation	nominal diameter	Rt right	T semi-tangent	X Sec cross section
BB beginning of bridge	FEBT facing eastbound traffic	Obli obliq	Rte route	TAB tablet	
BC begin horizontal curve	FNBT facing northbound traffic	OC overcrossing	RW retaining wall	TBB thrie beam barrier	
BCR begin curb return	FSBT facing southbound traffic	OD outside diameter	R/W right of way	Tbr timber	
Beq begin	FWBT facing westbound traffic	OG original ground	SAE structure approach embankment	TC top of curb	
Bit Ctd bituminous coated	FES flared end section	OGAC open graded asphalt concrete	Salv salvage	TCB traffic control box	
Bk back	FF filter fabric	OH overhead	SAPP structural aluminum plate pipe	Temp temporary	
Bkf backfill	F & G frame and grate	PAP perforated aluminum pipe	SB southbound	TP top of grate	
Bldg building	FG finished grade	PB pull box	SC sand cushion	TP telephone pole	
Blvd boulevard	FH fire hydrant	PC point of curvature	SL station line	TPB treated permeable base	
BM bench mark	FL flow line	PCC point of compound curve or portland cement concrete	SCSP slotted corrugated steel pipe or socked concrete slope protection	TPM treated permeable material	
Br bridge	Fr Rd frontage road	PCV point of compound vertical curve	SD storm drain		
BVC begin vertical curve	Ftg footing	Ped pedestrian	Sec section		
BW barbed wire	Fwy freeway	Ped OC pedestrian overcrossing	Sep separation		
CAA cable anchor assembly	Ga gage	Perm Mtl permeable material	SG subgrade		
CAP corrugated aluminum pipe	Galv galvanized	PG profile grade	SGD subgrade drain		
CAPA corrugated aluminum pipe arch	GP grading plane	PI point of intersection	Shld shoulder		
CAS construction area sign	GR guard railing	PL plate	Sht sheet		
C-C center to center	GSP galvanized steel pipe	PM post mile			
CF cubic foot	H height	PN paving notch			
Chni channel	h hour	POT point on horizontal curve			
CIDH cast-in-drilled-hole	HD horizontal drain	POT point on tangent			
CIP cast iron pipe	Horiz horizontal	POVC point on vertical curve			
CIPCP cast-in-place concrete pipe	HP hinge point or horse power	PP power pole or plastic pipe			
CL centerline	HS high strength	PPP perforated plastic pipe			
CL chain link	HW headwall	PPL preformed permeable liner			
Cl class	Hwy highway				
Clr clear, clearance	IB imported borrow				
Co county	ID inside diameter				
Col column	Inv invert				
Conc concrete	Irr irrigation				
Cond conduit	JP joint pole				
Conn connector	JS junction structure				
Const construct (ion)	Jt joint				
Coord coordinate	KP kilometer post				
Cr creek	L length, liter				
CRSP concreted rock slope protection	Lb pound				
CSP corrugated steel pipe	LCB lean concrete base				
CSPA corrugated steel pipe arch	Loc location				
CTB cement treated base	LF linear foot				
CTPB cement treated permeable base	LOL layout line				
CTPM cement treated permeable material	Ls lane				
Culv culvert	Lt lump sum				
CY cubic yard	Lt left				
D depth					
Dbl double					
DD downdrain					
Del delineator					
Det detour or detail					
DF Douglas Fir					
DI drainage inlet					
Dia diameter					
Dist distance					
DMBB double metal beam barrier					
Dr drive					
DTBB double thrie beam barrier					
Dwy driveway					

SI International System of Units	Trans transition
SM selected material	TS traffic signal or tubular steel
Spec special	Typ typical
SFP slotted plastic pipe	Typ Sec typical section
SS slope stake	UC undercrossing
SQFT square foot	UD underdrain
SQYD square yard	UP underpass
SSBM strap and saddle bracket	V design speed or valve
method	Var variable
SSPA structural steel plate arch	VC vertical curve
SSPP structural steel plate pipe	VCP vitrified clay pipe
SSPPA structural steel plate pipe arch	Vert vertical
SSRP steel spiral rib pipe	Via viaduct
St station	W width
STBB single thrie beam barrier	WB westbound
Std standard	WH weep hole
Str structure	WM wire mesh
Surf surfacing	WSP welded steel pipe
SW sidewalk or sound wall	WV water valve
Swr sewer	WW wing wall
T semi-tangent	X Sec cross section
TAB tablet	
TBB thrie beam barrier	
Tbr timber	
TC top of curb	
TCB traffic control box	
Temp temporary	
TP top of grate	
TP telephone pole	
TPB treated permeable base	
TPM treated permeable material	

**NOTE:**  
THE COUNTY HAS OBTAINED TEMPORARY CONSTRUCTION EASEMENTS AND SLOPE EASEMENTS AS SHOWN BELOW FROM THE PARCEL OWNERS OF APNS 109-030-21, 109-030-22, 109-240-03, 109-240-31, 109-240-25, 109-240-08, 109-030-33.

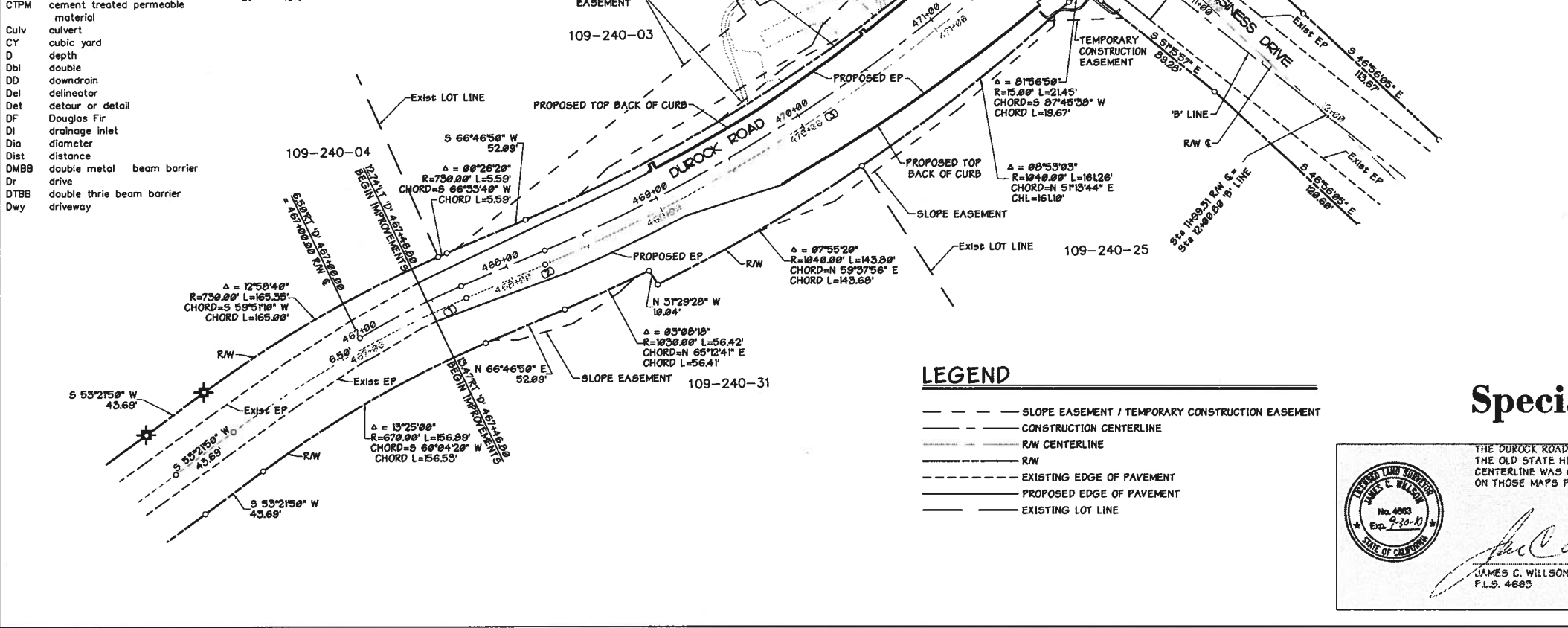


REV	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE TRAFFIC SIGNAL & INTERSECTION WIDENING SURVEY CONTROL DIAGRAM**

COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
ACR/RES	
DRAWN	PLT/SCALE
ASR	1"=40'
JOB No.	VERT. SCALE
	N/A
SHEET	



**NOTE:**  
FOR 'D', 'B', AND 'Y' LINE INFORMATION SEE SHEET LL L2, AND L3.

**Right of Way Tabulation**

No.	STATIONING	CHORD DIRECTION & Dist	Dist	RADIUS	DELTA
<b>RIGHT OF WAY CENTERLINE</b>					
①	467+00.76	467+69.71 N 63°57'32" E	68.95	68.95	700.00 05°30'37"
②	467+69.71	468+21.00 N 66°46'59" E	52.89	52.89	
③	468+21.00	471+09.71 N 56°14'26" E	365.24	367.82	1000.00 21°04'48"
④	471+09.71	482+77.33 S 66°28'27" W	1063.95	1067.62	1500.00 47°32'30"

**Bench Mark** DESIGNATION: N 127 Elev: 1348.65  
BENCH MARK IS LOCATED APPROXIMATELY 0.2 MILES SOUTHWEST OF THE JUNCTION OF DUROCK ROAD AND SHINGLE LIME MIND ROAD, 41 FEET NORTHWEST OF THE CENTERLINE OF DUROCK ROAD, IN THE SOUTHEAST CORNER OF P.W. PIPE COMPANY PROPERTY INSIDE THE FENCE, IN THE TOP OF THE LARGER ONE OF TWO BOULDERS. A STANDARD DISK STAMPED "N 127 1932" LOCATED IN THE NORTHWEST 1/4 SEC. 11 T. 9 N. R. 3 E. M.D.M. ELEVATION = 1348.63

**Basis of Bearings**  
THE MERIDIAN OF THIS SURVEY IS IDENTICAL TO THAT OF THAT CERTAIN PARCEL MAP FILE FOR RECORD IN BOOK 32 AT PAGE 128 OFFICIAL RECORDS OF EL DORADO COUNTY AND IS BASED ON FOUND MONUMENTS AS SHOWN AND IS TRUE NORTH.

**Special Right of Way Note:**

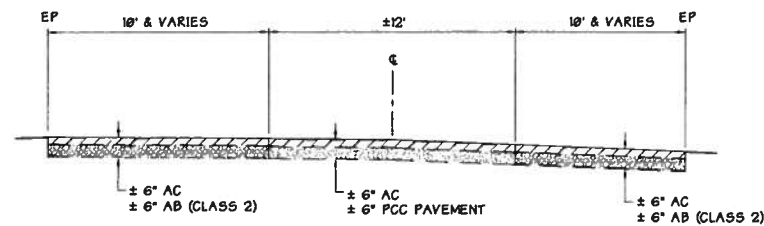


THE DUROCK ROAD (OLD STATE HIGHWAY 50) RIGHT OF WAY AND CENTERLINE SHOWN HEREON WERE COMPUTED FROM THE OLD STATE HIGHWAY 50 MAPS AND FIELD TIES TO FOUND MONUMENTS AS SHOWN HEREON. THE BUSINESS DRIVE CENTERLINE WAS COMPUTED FROM SUBSEQUENT RECORDED MAPS AND FIELD TIES TO ADDITIONAL MONUMENTS SHOWN ON THOSE MAPS FOR THE PROPERTIES ADJOINING DUROCK ROAD TO THE SOUTH.

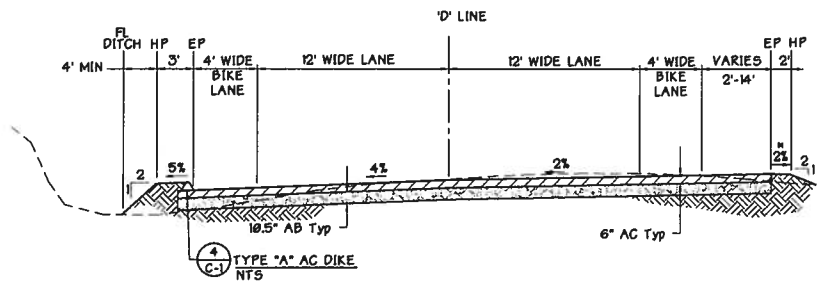
JAMES C. WILLSON  
P.L.S. 4663

**LEGEND**

---	SLOPE EASEMENT / TEMPORARY CONSTRUCTION EASEMENT
---	CONSTRUCTION CENTERLINE
---	R/W CENTERLINE
---	R/W
---	EXISTING EDGE OF PAVEMENT
---	PROPOSED EDGE OF PAVEMENT
---	EXISTING LOT LINE

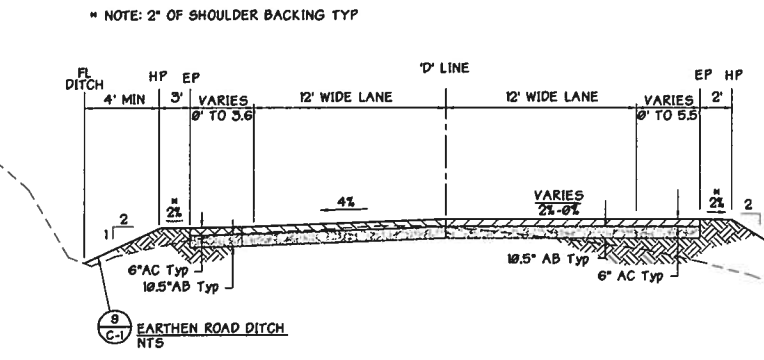


**Typical Existing Structural Section - Durock Rd  
Sta 467+45 to Sta 477+20**

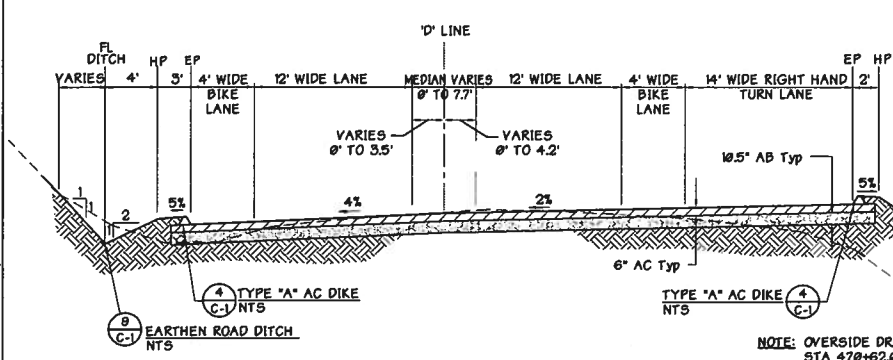


**Section E-E Durock Rd. Sta 469+10.24 to Sta 469+69.83**

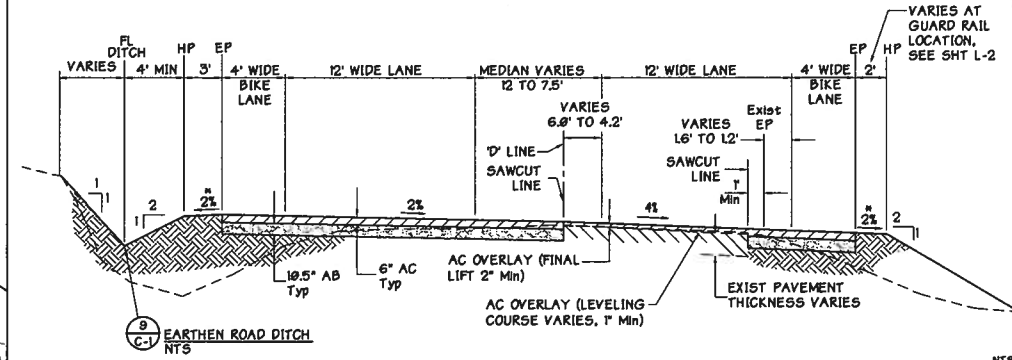
Section J-J Not used



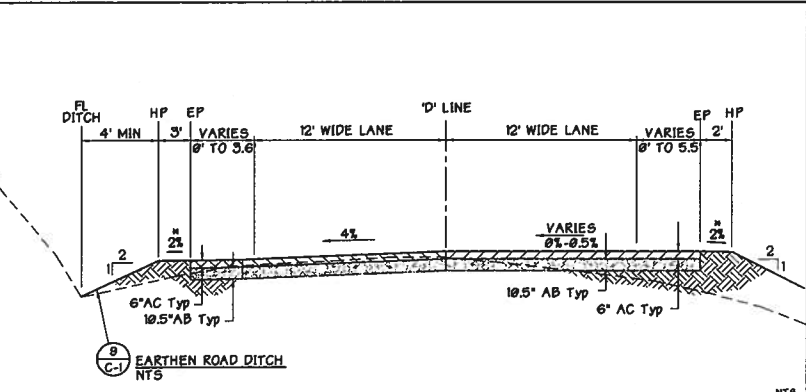
**Section A-A Durock Rd. Sta 467+46.80 to Sta 468+10.30**



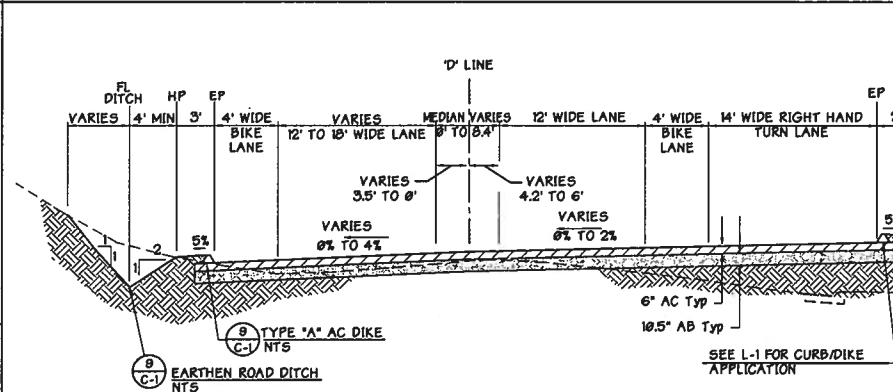
**Section F-F Durock Rd. Sta 469+69.83 to Sta 471+10.68**



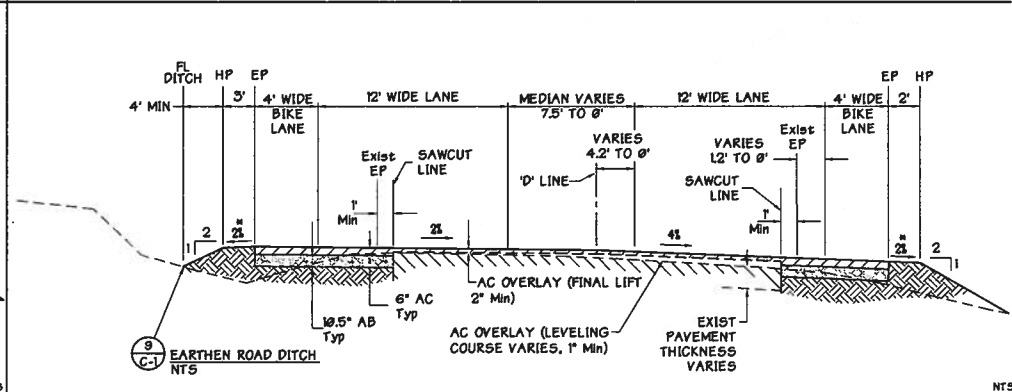
**Section K-K Durock Rd. Sta 474+74.31 to Sta 475+50.00**



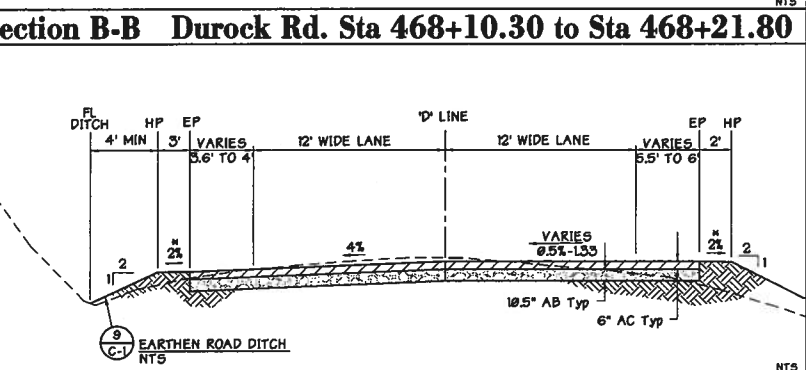
**Section B-B Durock Rd. Sta 468+10.30 to Sta 468+21.80**



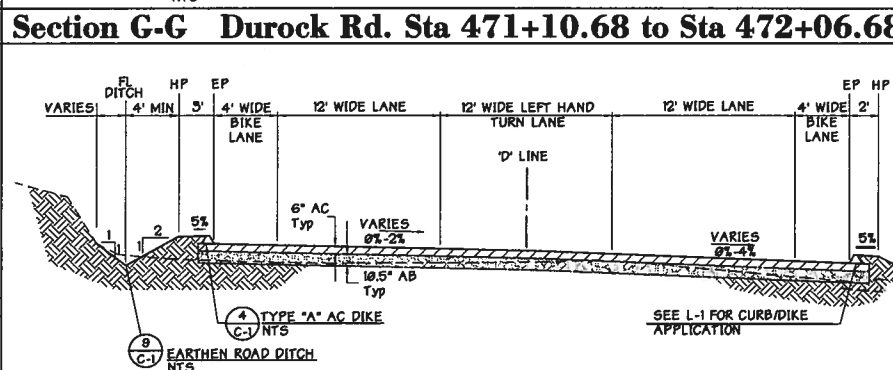
**Section G-G Durock Rd. Sta 471+10.68 to Sta 472+06.68**



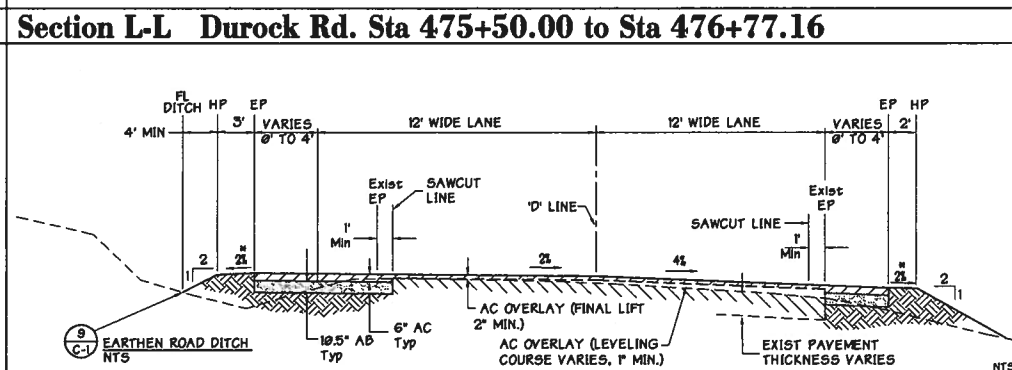
**Section L-L Durock Rd. Sta 475+50.00 to Sta 476+77.16**



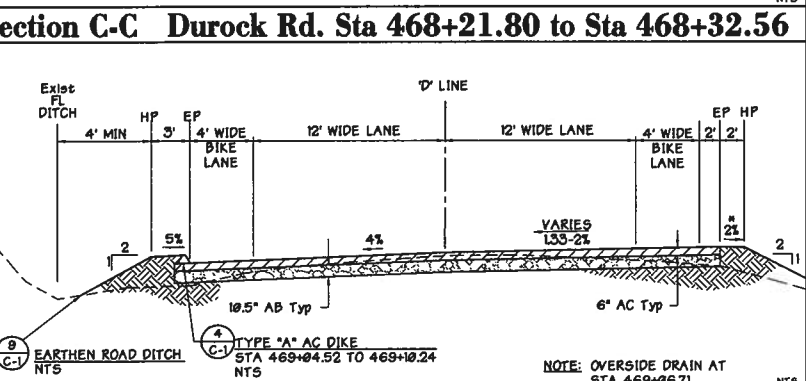
**Section C-C Durock Rd. Sta 468+21.80 to Sta 468+32.56**



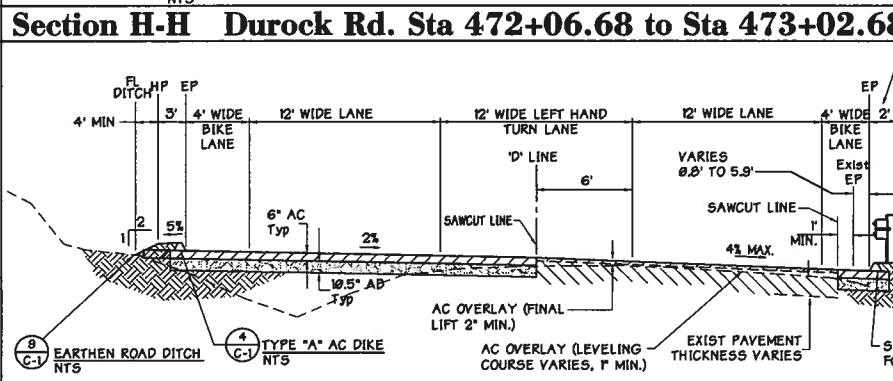
**Section H-H Durock Rd. Sta 472+06.68 to Sta 473+02.68**



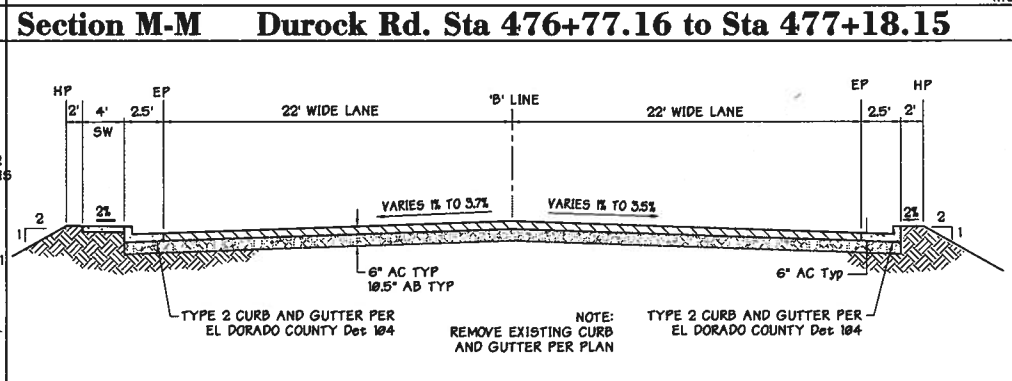
**Section M-M Durock Rd. Sta 476+77.16 to Sta 477+18.15**



**Section D-D Durock Rd. Sta 468+32.56 to Sta 469+10.24**



**Section I-I Durock Rd. Sta 473+02.68 to Sta 474+74.31**



**Section N-N Business Drive**



NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
TYPICAL ROADWAY SECTIONS**

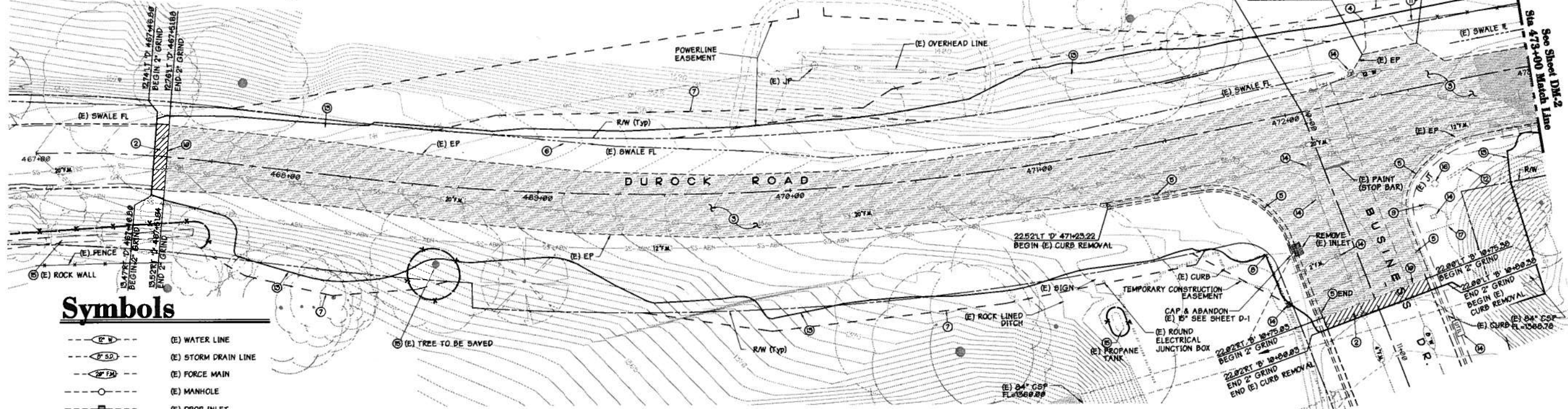
COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
ACR/RES	
DRAWN	SCALE
ASR	N/A
CHECKED	SCALE
	N/A
<b>X-1</b>	
<b>3</b>	



**Construction Notes**

- ① NOT USED
- ② PROVIDE 2" DEEP MINIMUM ABRASIVE GRIND TO PROVIDE SMOOTH TRANSITION TO EXISTING PAVEMENT.
- ③ REMOVE EXISTING AC, ROCK, PCC PAVEMENT, AND SURFACING. EXISTING DEPTH OF AC AND BASE SECTION VARIES.
- ④ EXISTING DRIVEWAY.
- ⑤ REMOVE EXISTING CURB AND GUTTER.
- ⑥ REMOVE EXISTING RIP-RAP.
- ⑦ SLOPE EASEMENT.
- ⑧ REMOVE (E) CURB. SEE SHEET C-3 FOR LIMITS.
- ⑨ REMOVE (E) SIGNAGE.
- ⑩ SAWCUT LINE.
- ⑪ (E) FENCE, REMOVE DURING CONSTRUCTION AND REPLACE WITH DW&WM FENCE PER CT STD PLAN A86.
- ⑫ (E) SIGN TO BE REMOVED.
- ⑬ LIMIT OF DISTURBANCE.
- ⑭ (E) UTILITY BOX PROTECT AND RAISE TO GRADE.
- ⑮ SURROUND WITH ESA FENCING AND PROTECT IN PLACE.
- ⑯ (E) LIGHT POLE TO BE REMOVED AND DISCARDED. THE ELECTRICAL SERVICE TO LIGHT POLE HAS BEEN ABANDONED BY PG&E.
- ⑰ CUT & CAP EXISTING IRRIGATION.



**Symbols**

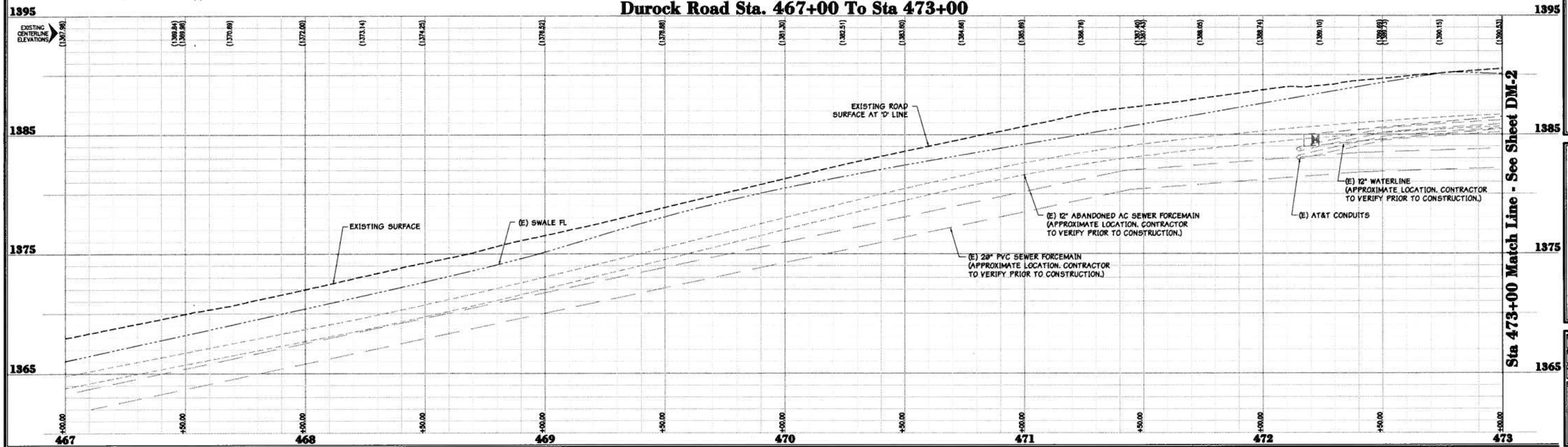
- (E) WATER LINE
- (E) STORM DRAIN LINE
- (E) FORCE MAIN
- (E) MANHOLE
- (E) DROP INLET
- (E) DITCH or FLOWLINE
- ⊥ (E) STREET LIGHT
- (E) CULVERT
- (E) POLE & ANCHOR
- (E) RIGHT OF WAY
- (E) LIMIT OF DISTURBANCE
- ⊙ (E) WATER VALVE

**Legend**

- INDICATES (E) AC TO BE REMOVED
- ▨ INDICATES 2" DEEP ABRASIVE GRIND (Typ)

**NOTES:**  
 1 CONTRACTOR MUST POSITIVELY DETERMINE VERTICAL / HORIZONTAL LOCATIONS OF ALL (E) UTILITIES AND CONSTRUCTIBILITY OF DRAINAGE SYSTEM PRIOR TO CONSTRUCTION OF ANY PORTION OF SYSTEM.

**Durock Road Sta. 467+00 To Sta 473+00**



Sta 473+00 Match Line - See Sheet DM-2

**DUROCK ROAD & BUSINESS DRIVE**  
**TRAFFIC SIGNAL & INTERSECTION WIDENING**  
**DUROCK ROAD STA 467+00 TO**  
**STA 473+00 DEMOLITION PLAN**

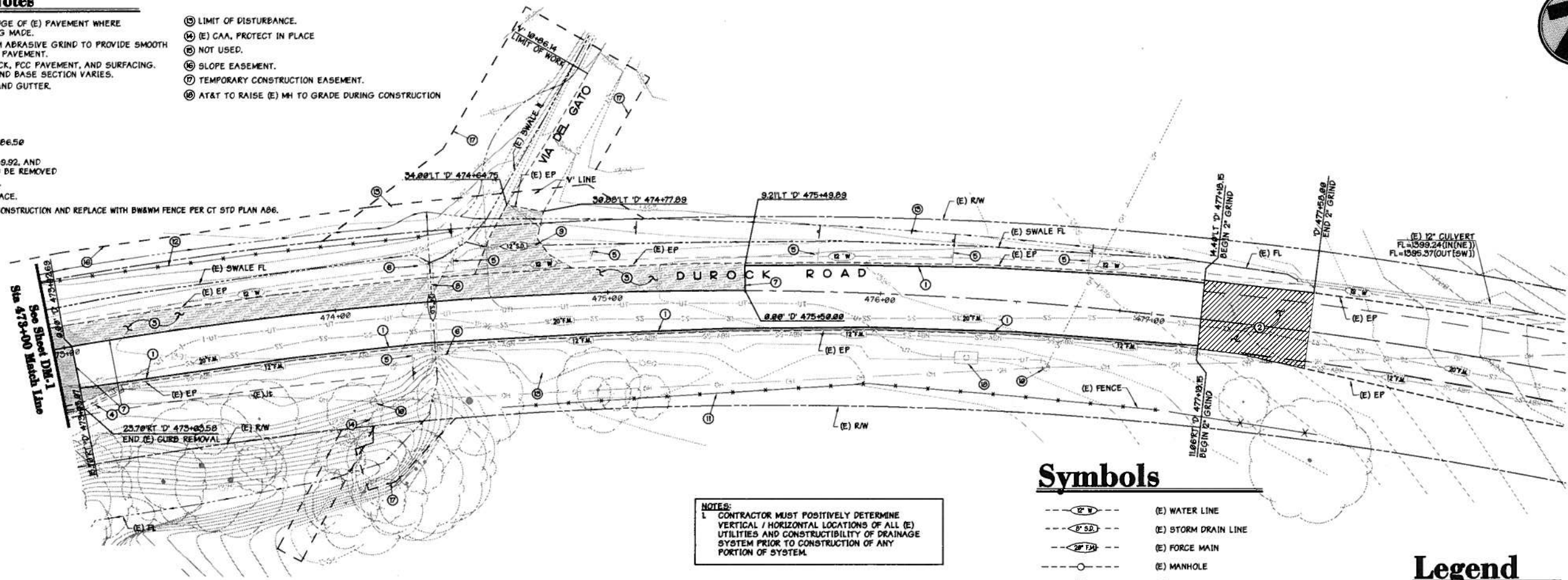
COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
DRAWN	SCALE
CHECKED	DATE
DATE	SCALE
<b>DM-1</b>	
<b>4</b>	



**Construction Notes**

- ① SAWCUT (E) AC 1' FROM EDGE OF (E) PAVEMENT WHERE IMPROVEMENTS ARE BEING MADE.
- ② PROVIDE 2" DEEP MINIMUM ABRASIVE GRIND TO PROVIDE SMOOTH TRANSITION TO EXISTING PAVEMENT.
- ③ REMOVE EXISTING AC, ROCK, PCC PAVEMENT, AND SURFACING. EXISTING DEPTH OF AC AND BASE SECTION VARIES.
- ④ REMOVE EXISTING CURB AND GUTTER.
- ⑤ REMOVE (E) SIGNAGE.
- ⑥ REMOVE (E) HEADWALL.
- ⑦ SAWCUT LINE.
- ⑧ (E) 24" CSP FL=1366.43/1366.58 TO BE REMOVED.
- ⑨ (E) 12" CSP, FL=1392.21/1392.92, AND CONCRETE HEADWALLS TO BE REMOVED.
- ⑩ (E) JF, PROTECT IN PLACE.
- ⑪ (E) FENCE, PROTECT IN PLACE.
- ⑫ (E) FENCE, REMOVE DURING CONSTRUCTION AND REPLACE WITH B&W&M FENCE PER CT STD PLAN A06.
- ⑬ LIMIT OF DISTURBANCE.
- ⑭ (E) C&A, PROTECT IN PLACE.
- ⑮ NOT USED.
- ⑯ SLOPE EASEMENT.
- ⑰ TEMPORARY CONSTRUCTION EASEMENT.
- ⑱ AT&T TO RAISE (E) MH TO GRADE DURING CONSTRUCTION.



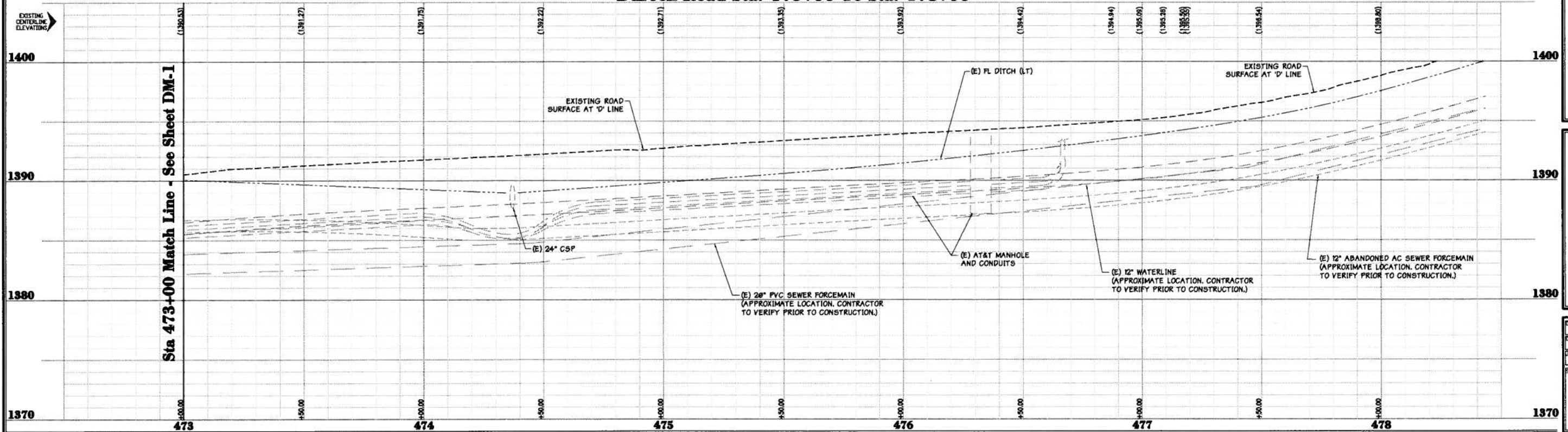
**Symbols**

- (E) WATER LINE
- (E) STORM DRAIN LINE
- (E) FORCE MAIN
- (E) MANHOLE
- (E) DROP INLET
- |— (E) DITCH or FLOWLINE
- \*— (E) STREET LIGHT
- |— (E) CULVERT
- (E) POLE & ANCHOR
- |— (E) RIGHT OF WAY
- (E) LIMIT OF DISTURBANCE
- (E) WATER VALVE

**Legend**

- ▨ INDICATES (E) AC TO BE REMOVED
- ▨ INDICATES 2" DEEP GRIND

**Durock Road Sta. 473+00 To Sta. 478+00**



NO.	DATE	DESCRIPTION

NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE**  
**TRAFFIC SIGNAL & INTERSECTION WIDENING**  
**DUROCK ROAD STA 473+00 TO**  
**STA 478+00 DEMOLITION PLAN**

COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
DRAWN	PROJ. SCALE
CHECKED	PAPER SCALE
SHEET	

DM-2

5



**Construction Notes**

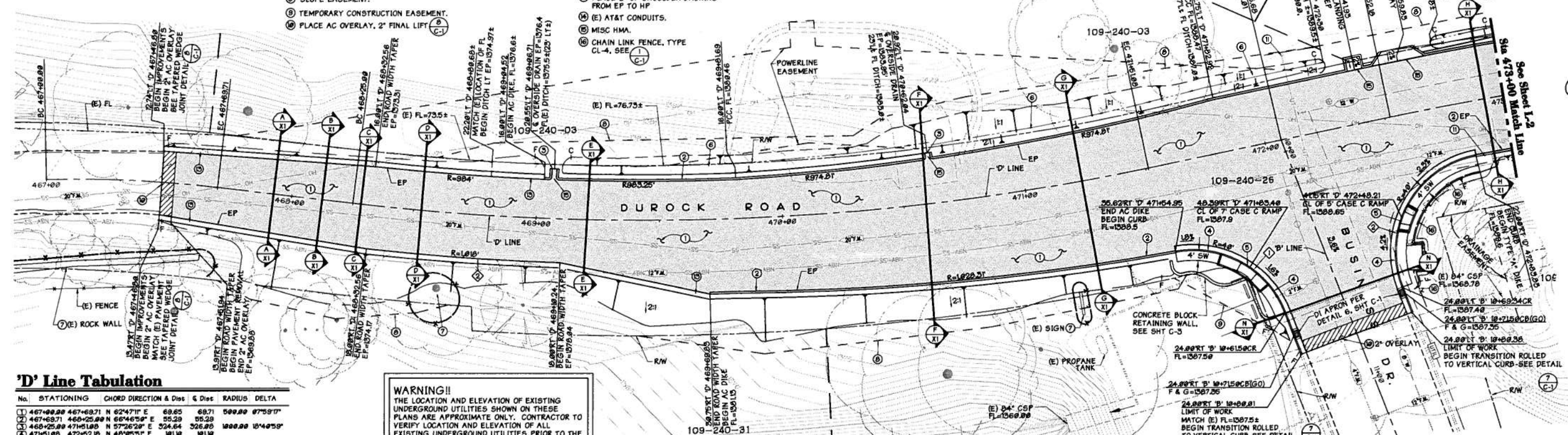
- ① PLACE 6" AC OVER 10.5" CLASS 2 AB, COMPACT ENGINEERED FILL AND SUBGRADE PER CALTRANS STANDARD SPECIFICATION 10-5.03.
- ② CONSTRUCT TYPE 'A' AC DIKE. PER DETAIL (C-1).
- ③ CONSTRUCT ASPHALT CONCRETE OVERSIDE DRAIN PER (C-1).
- ④ CONSTRUCT TYPE 2 VERTICAL CURB AND GUTTER PER EL DORADO COUNTY STD PLAN 104.
- ⑤ CONSTRUCT CURB RAMP. PER DETAIL (C-1).
- ⑥ CONSTRUCT ROADSIDE DITCH PER DETAIL (C-1).
- ⑦ SURROUND WITH ESA FENCING AND PROTECT IN PLACE.
- ⑧ SLOPE EASEMENT.
- ⑨ TEMPORARY CONSTRUCTION EASEMENT.
- ⑩ PLACE AC OVERLAY, 2" FINAL LIFT (C-1).

**TBC Curve Data @ TBC**

No.	RADIUS	DELTA	LENGTH	BC Elev	1/4 PT Elev	1/2 PT Elev	3/4 PT Elev	EC Elev
1	40.00'	79°04'46"	55.21'	1308.00'	1300.75'	1300.50'	1300.25'	1300.00'
2	40.00'	100°39'40"	70.27'	1308.10'	1309.70'	1309.30'	1308.90'	1308.50'

**AT&T CONSTRUCTION NOTES**

- ① (E) AT&T SPLICE BOX TO BE RAISED TO GRADE BY AT&T.
- ② ESA FENCING SHALL BE PLACED AT THE R/W AND OUTSIDE EDGE OF TCE, AND AROUND AREAS INDICATED ON THE PLANS, (INCLUDING CONTRACTOR YARD) TO PROTECT EXISTING TREES.
- ③ PLACE 2" OF SHOULDER BACKING FROM EP TO HP.
- ④ (E) AT&T CONDUITS.
- ⑤ MISC HMA.
- ⑥ CHAIN LINK FENCE, TYPE CL-4. SEE (C-1).

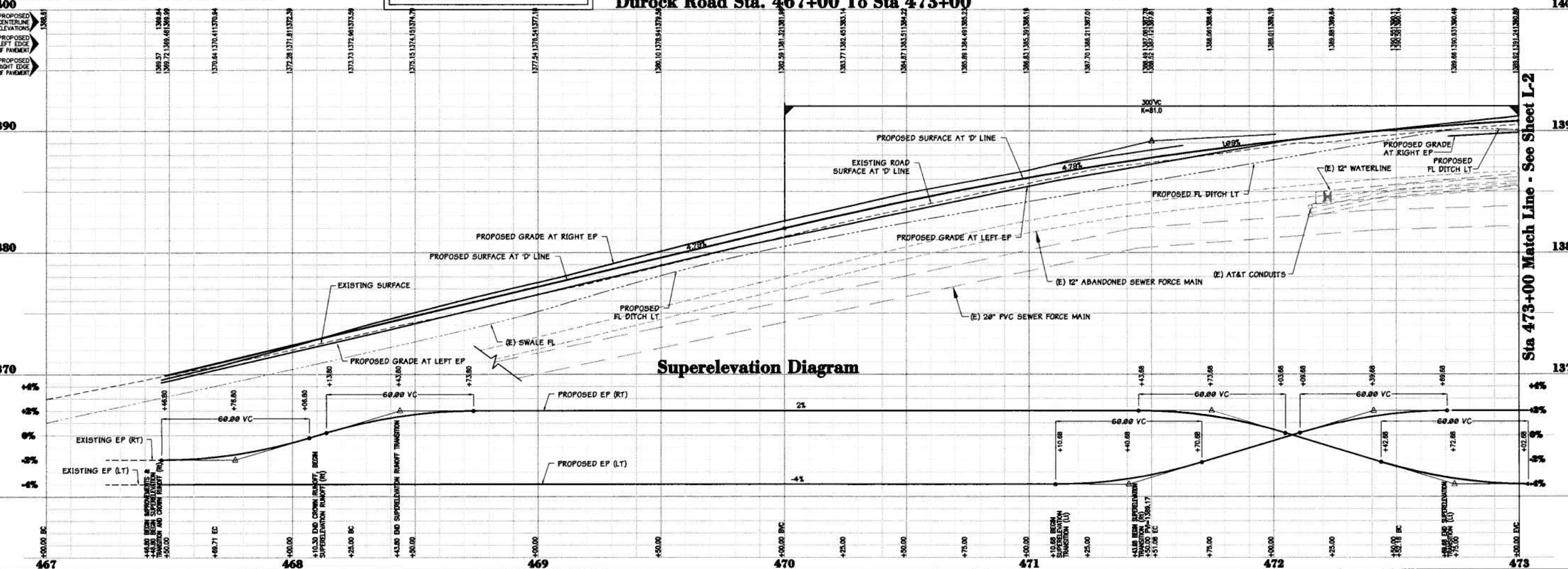


**'D' Line Tabulation**

No.	STATIONING	CHORD DIRECTION & Dist	% Disc	RADIUS	DELTA
1	467+00.00	467+69.71 N 62°47'11" E	69.65	60.00	07°59'17"
2	467+69.71	468+25.00 N 66°46'50" E	55.29	50.00	07°59'17"
3	468+25.00	471+51.00 N 57°26'20" E	224.64	326.00	10°40'59"
4	471+51.00	472+52.10 N 48°05'51" E	10.10	10.00	00°00'00"
5	472+52.10	476+00.21 N 57°01'11" E	454.27	456.00	17°50'41"

**WARNING!!**  
THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION

**Durock Road Sta. 467+00 To Sta 473+00**



**Revisions**

NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
DUROCK ROAD STA 467+00 TO  
STA 473+00 IMPROVEMENT PLAN**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED: [Signature] DATE: [Blank]  
DRAWN: ASR Proj. SCALE: 1"=20'  
JOB No. [Blank] Vert. SCALE: 1"=4'  
SHEET [Blank]



**Construction Notes**

- 1 PLACE AC OVERLAY, 2" FINAL LIFT.
- 2 PLACE 6" AC OVER 10.5" CLASS 2 AB, COMPACT ENGINEERED FILL AND SUBGRADE PER CALTRANS STANDARD SPECIFICATION 19-5.03.
- 3 CONSTRUCT TYPE 'A' AC DIKE. PER DETAIL.
- 4 PLACE 3" AC OVER 8" CLASS 2 AB, COMPACT ENGINEERED FILL AND SUBGRADE PER CALTRANS STANDARD SPECIFICATION 19-5.03.
- 5 CONSTRUCT ROADSIDE DITCH PER DETAIL.
- 6 CONSTRUCT 76 LB OF GUARD RAIL (STD PLAN A77E1, TYPE 1B LAYOUT) PER STD PLAN A77C3 DETAIL C, WITH TERMINAL SYSTEM (SRT) PER CT STD PLAN A77L1 & TERMINAL ANCHOR ASSEMBLY (TYPE 5PT) PER CT STD PLAN A77H1.
- 7 SLOPE EASEMENT.
- 8 TEMPORARY CONSTRUCTION EASEMENT.
- 9 NOT USED.
- 10 (E) AT&T MANHOLE TO BE RAISED TO GRADE BY AT&T.
- 11 ESA FENCING SHALL BE PLACED AT THE R/W AND OUTSIDE EDGE OF TCE, AND AROUND AREAS INDICATED ON THE PLANS, INCLUDING CONTRACTOR YARD TO PROTECT EXISTING TREE.
- 12 (E) AT&T CONDUITS.
- 13 REMOVE EXISTING FENCE.

**'D' Line Tabulation**

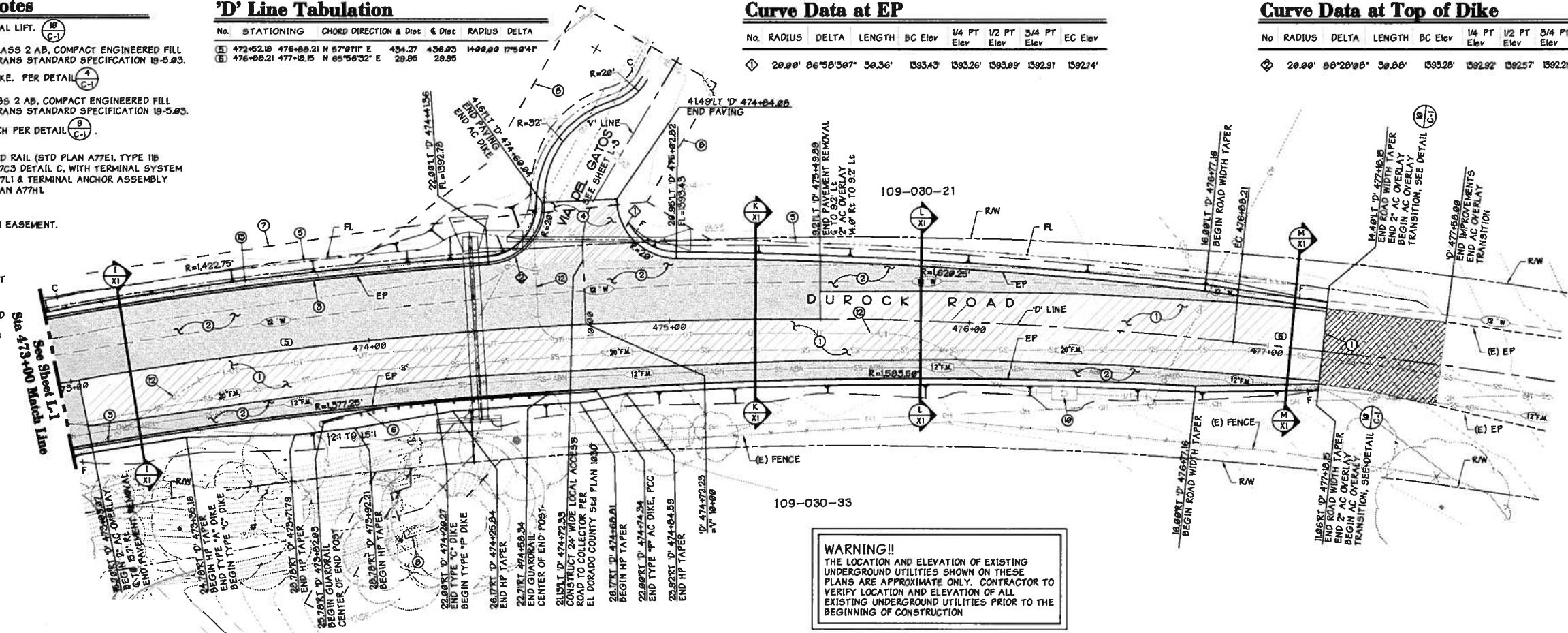
No.	STATIONING	CHORD DIRECTION & Dist	Dist	RADIUS	DELTA
1	472+52.10	476+00.21 N 57°01'11" E	434.27	436.03	1400.00 17°59'41"
2	476+00.21	477+10.15 N 65°56'32" E	29.95	29.95	

**Curve Data at EP**

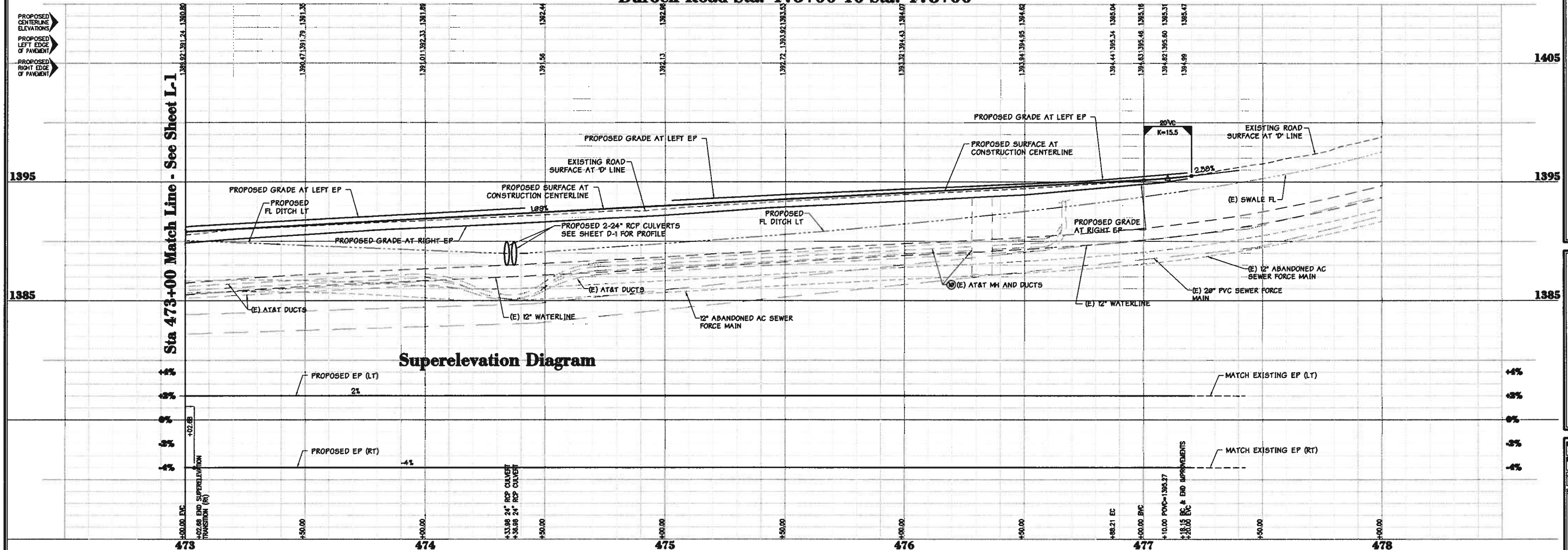
No.	RADIUS	DELTA	LENGTH	BC Elev	1/4 PT Elev	1/2 PT Elev	3/4 PT Elev	EC Elev
1	20.00'	86°50'36"	30.36'	1383.43'	1383.26'	1383.09'	1382.91'	1382.74'

**Curve Data at Top of Dike**

No.	RADIUS	DELTA	LENGTH	BC Elev	1/4 PT Elev	1/2 PT Elev	3/4 PT Elev	EC Elev
1	20.00'	88°28'06"	30.00'	1383.28'	1382.92'	1382.57'	1382.21'	1381.85'



**Durock Road Sta. 473+00 To Sta. 478+00**



Professional Engineer Seal for El Dorado County, California, License No. 10000.

Revisions Table:

NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
DUROCK ROAD STA 473+00 TO  
STA 478+00 IMPROVEMENT PLAN**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION

Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED: AC/RES DATE: 05-14-10  
DRAWN: ASR REV. SCALE: 1"=20'  
JOB NO.: 05-14-10 PART SCALE: 1"=4'  
SHEET: **L-2**  
7

**'B' Line Tabulation**

No.	STATIONING	CHORD DIRECTION & Dist	Dist	RADIUS	DELTA
1	10+00.00	12+71.40	S 51°34'7" E	271.40	

**Construction Notes**

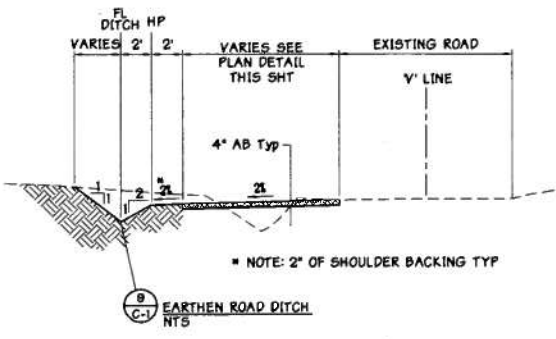
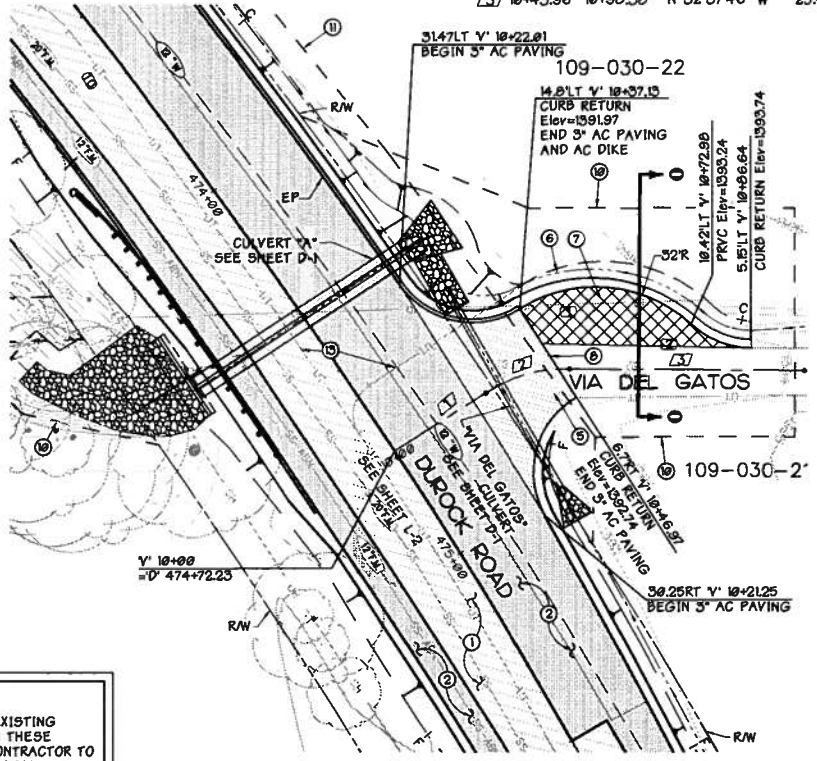
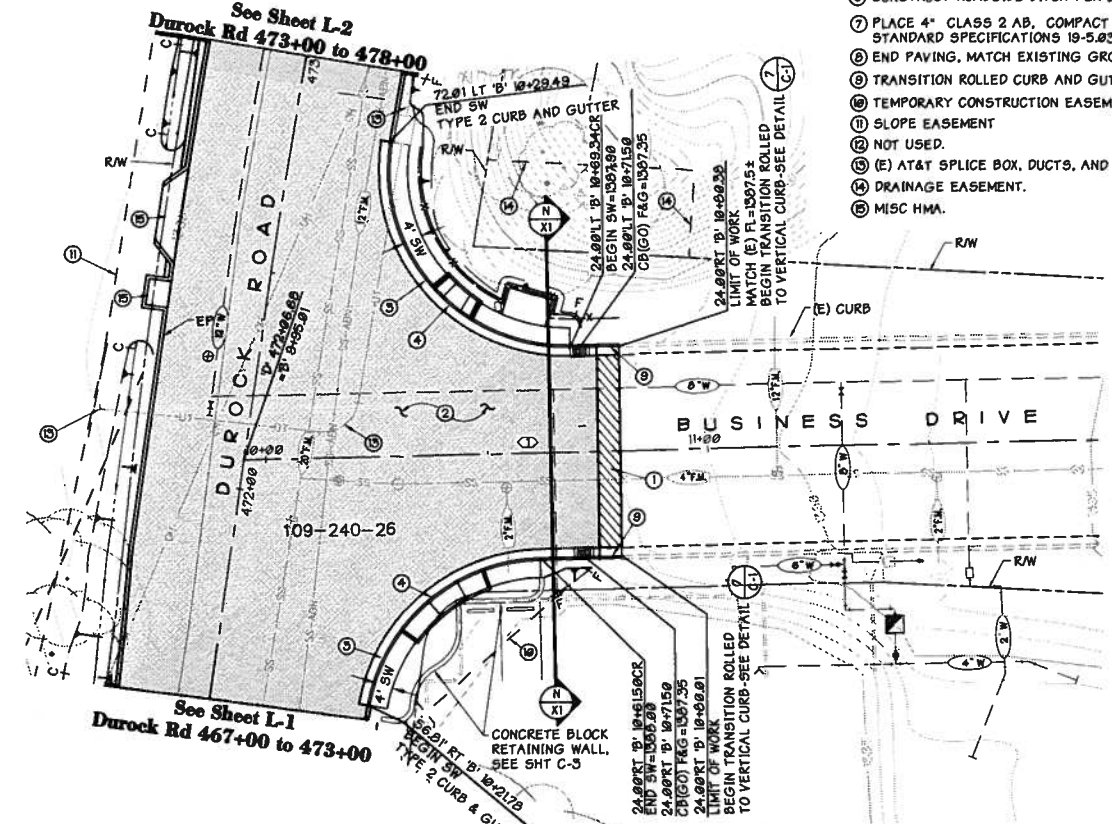
- 1 PLACE AC OVERLAY, 2" FINAL LIFT AND 1" MIN LEVELING COURSE.
- 2 PLACE 6" AC OVER 10.5" CLASS 2 AB, COMPACT ENGINEERED FILL AND SUBGRADE PER CALTRANS STANDARD SPECIFICATION 19-5.03.
- 3 CONSTRUCT TYPE 2 VERTICAL CURB AND GUTTER PER EL DORADO COUNTY STD PLAN 104.
- 4 CONSTRUCT CURB RAMP, PER DETAIL (C-1).
- 5 PLACE 3" AC OVER 8" CLASS 2 AB, COMPACT ENGINEERED FILL AND SUBGRADE PER CALTRANS STANDARD SPECIFICATION 19-5.03.
- 6 CONSTRUCT ROADSIDE DITCH PER DETAIL (B-C-1).
- 7 PLACE 4" CLASS 2 AB, COMPACT ENGINEERED FILL PER CALTRANS STANDARD SPECIFICATIONS 19-5.03.
- 8 END PAVING, MATCH EXISTING GROUND.
- 9 TRANSITION ROLLED CURB AND GUTTER TO VERTICAL CURB
- 10 TEMPORARY CONSTRUCTION EASEMENT
- 11 SLOPE EASEMENT
- 12 NOT USED.
- 13 (E) AT&T SPLICE BOX, DUCTS, AND MANHOLE.
- 14 DRAINAGE EASEMENT.
- 15 MISC HMA.

**Curve Data**

No.	STATIONING	CHORD DIRECTION & Dist	Dist	RADIUS	DELTA
1	9+50.00	9+92.30	N 05°14'13" E	39.20	42.30
2	9+92.30	10+07.20	N 21°30'10" E	14.64	14.99

**'V' Line Tabulation**

No.	STATIONING	CHORD DIRECTION & Dist	Dist	RADIUS	DELTA
1	10+00.00	10+25.42	N 00°33'19" E	54.43'	
2	10+25.42	10+43.96	N 16°02'13" W	10.20	10.53
3	10+43.96	10+90.30	N 32°37'46" W	25.42'	

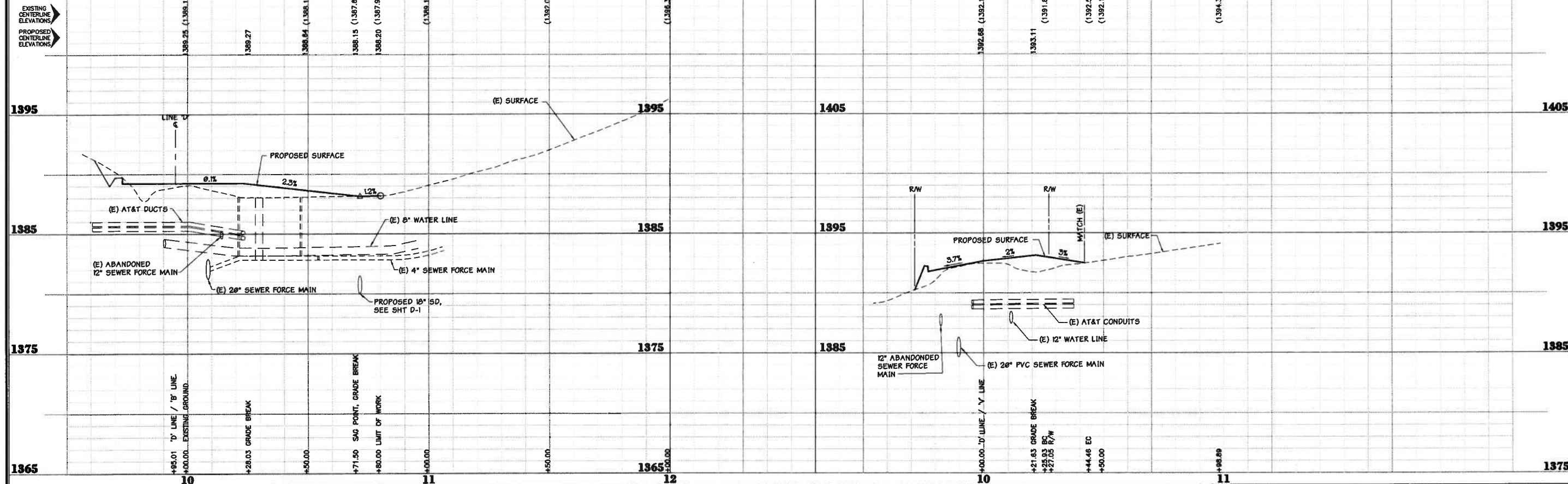


**Section 0-0 Via Del Gatos**

**WARNING!!**  
THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION

**Business Drive Sta. 10+00 To 12+00**

**Via Del Gatos**



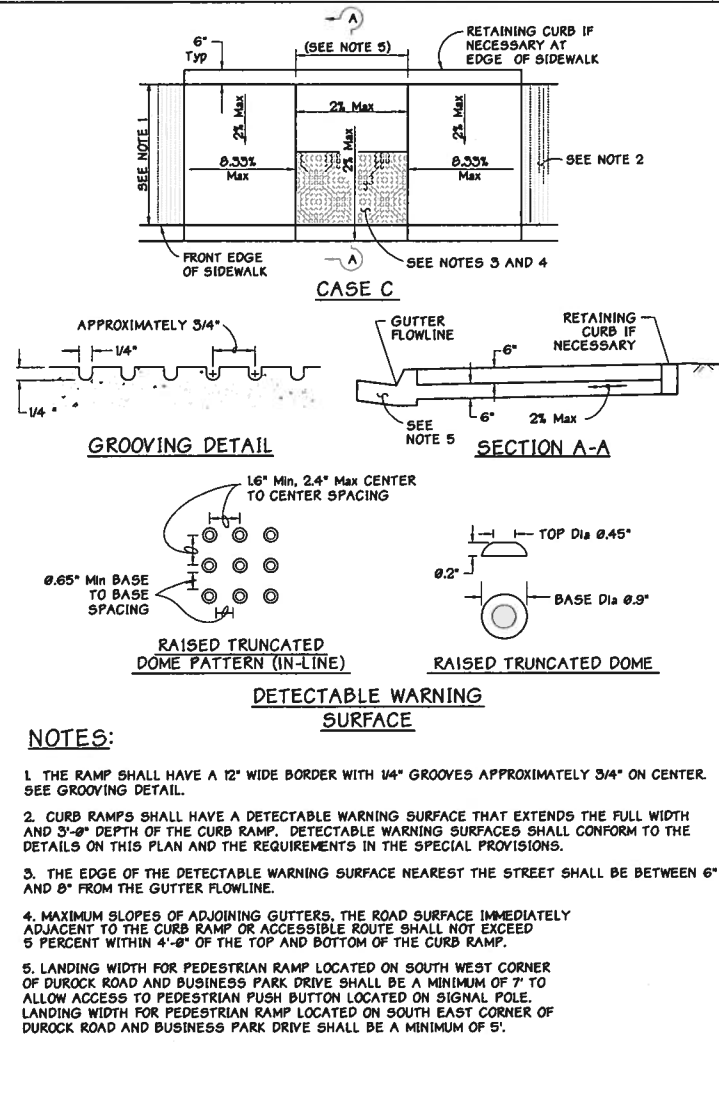
NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE**  
**TRAFFIC SIGNAL & INTERSECTION WIDENING**  
**BUSINESS DRIVE STA 10+00 TO STA 12+00,**  
**VIA DEL GATOS IMPROVEMENT PLAN**

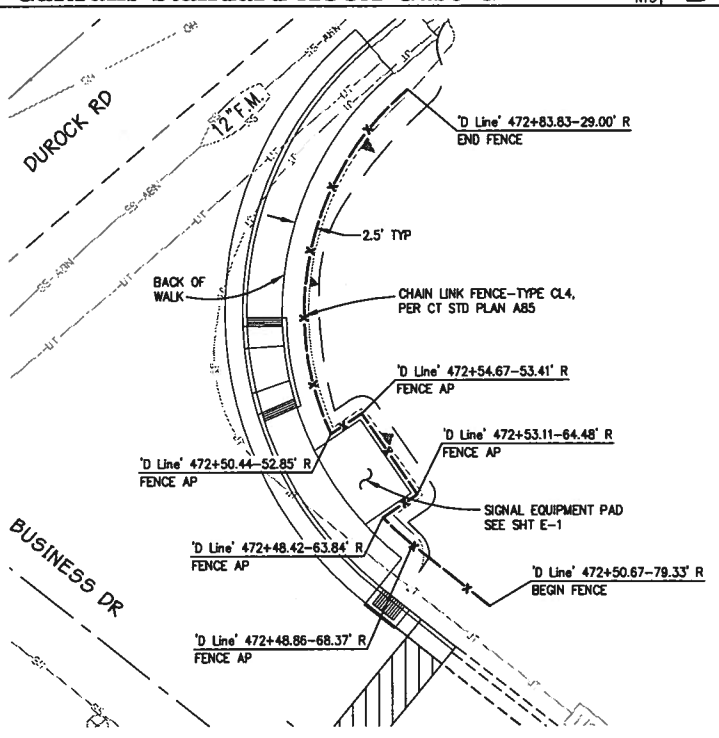
COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED: [ ] DATE: [ ]  
 DRAWN: ASR HORIZ. SCALE: 1"=20'  
 CHECKED: [ ] VERT. SCALE: 1"=4'  
 SHEET: **L-3**

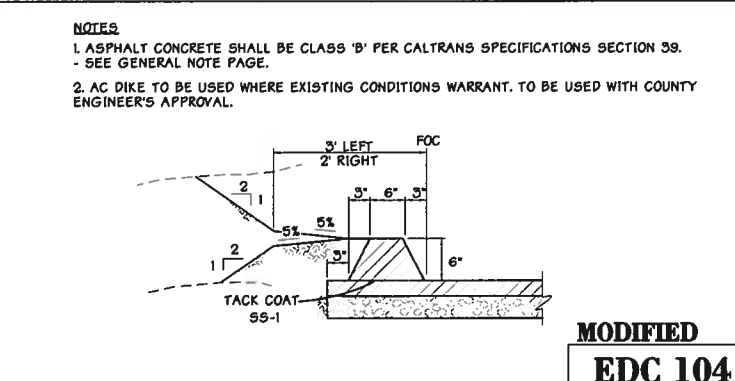




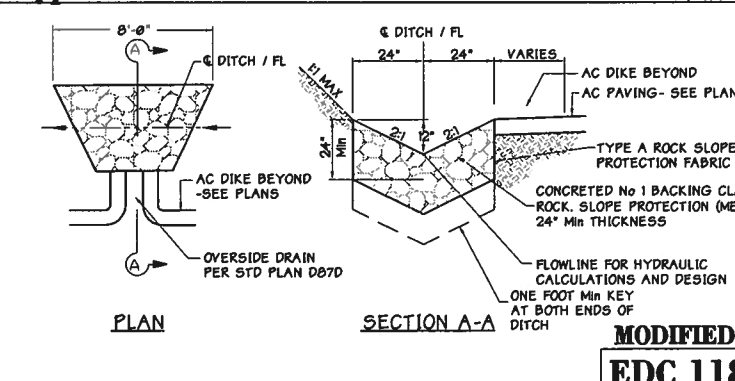
**Caltrans Standard A88A Case C** NTS **2**



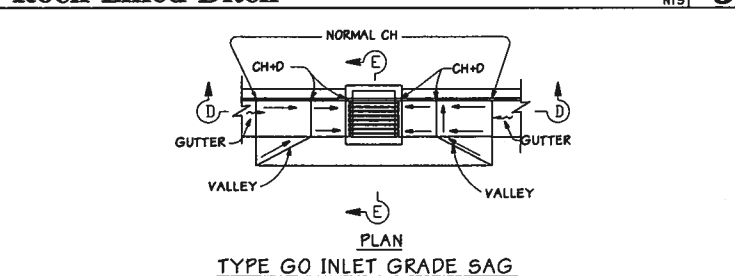
**Chain Link Fence (Type CL-4) Detail** NTS **1**



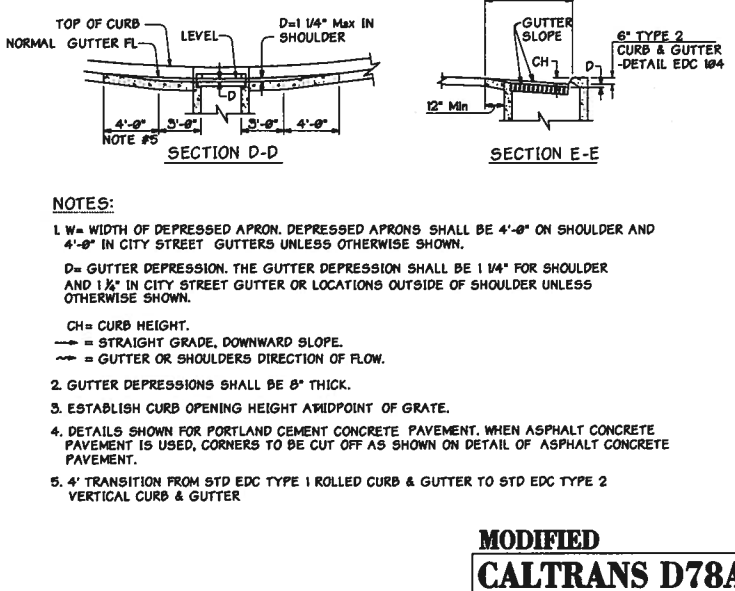
**Type "A" A.C. Dike** NTS **4**



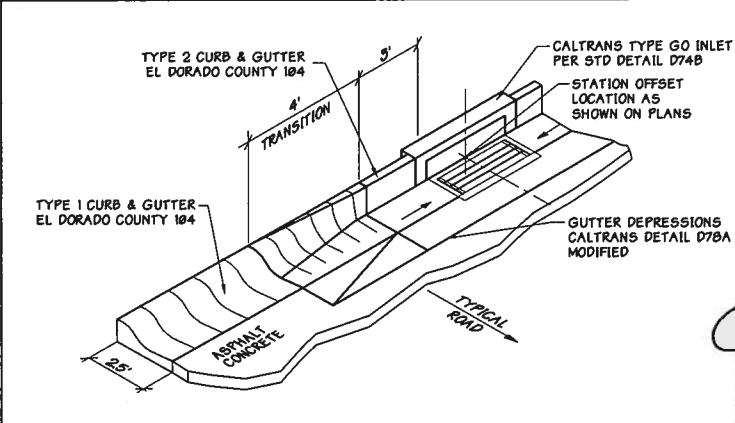
**Rock Lined Ditch** NTS **5**



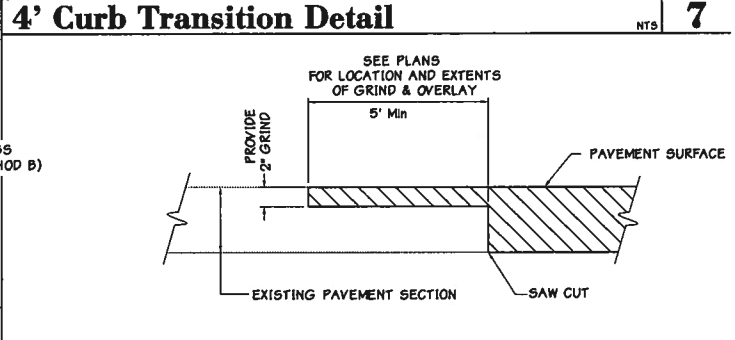
**Type GO Inlet Grade Sag**



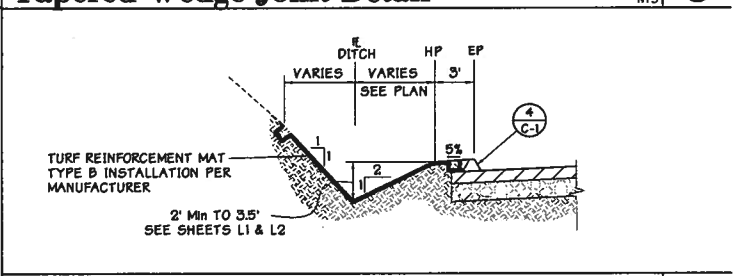
**Gutter Depressions** NTS **6**



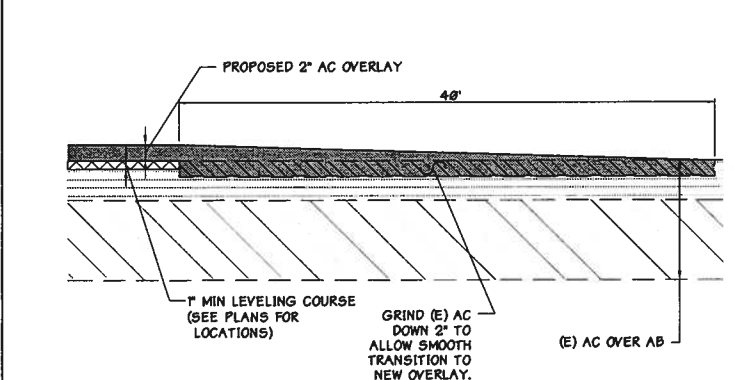
**4' Curb Transition Detail** NTS **7**



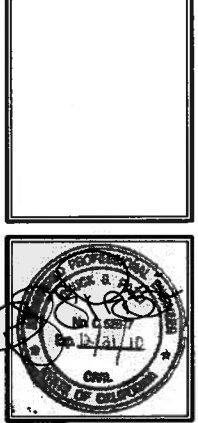
**Tapered Wedge Joint Detail** NTS **8**



**Earthen Road Ditch** NTS **9**



**AC Overlay Transition Detail** NTS **10**

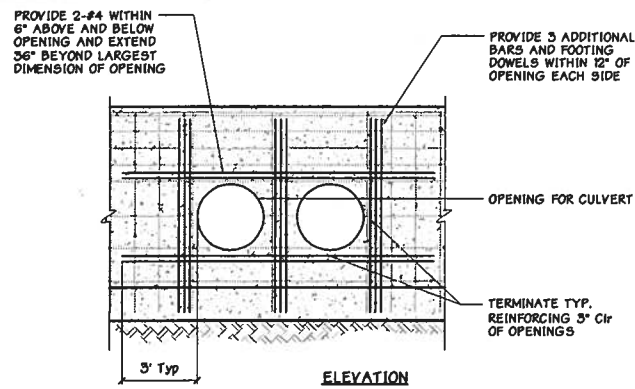


NO.	DATE	DESCRIPTION

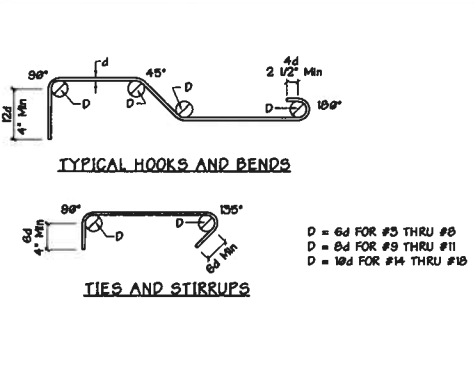
**DUROCK ROAD & BUSINESS DRIVE TRAFFIC SIGNAL & INTERSECTION WIDENING DETAILS**

COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

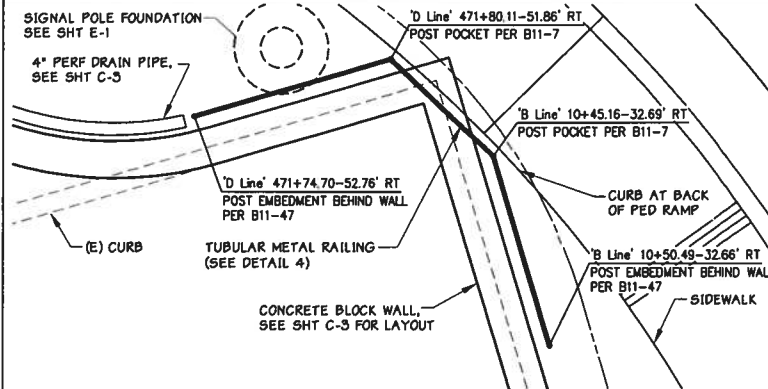
DESIGNED	DATE
ACR/RES	
DRAWN	NO. SCALE
ASR	AS NOTED
DWG NO.	PERT. SCALE
	N/A
SHEET	



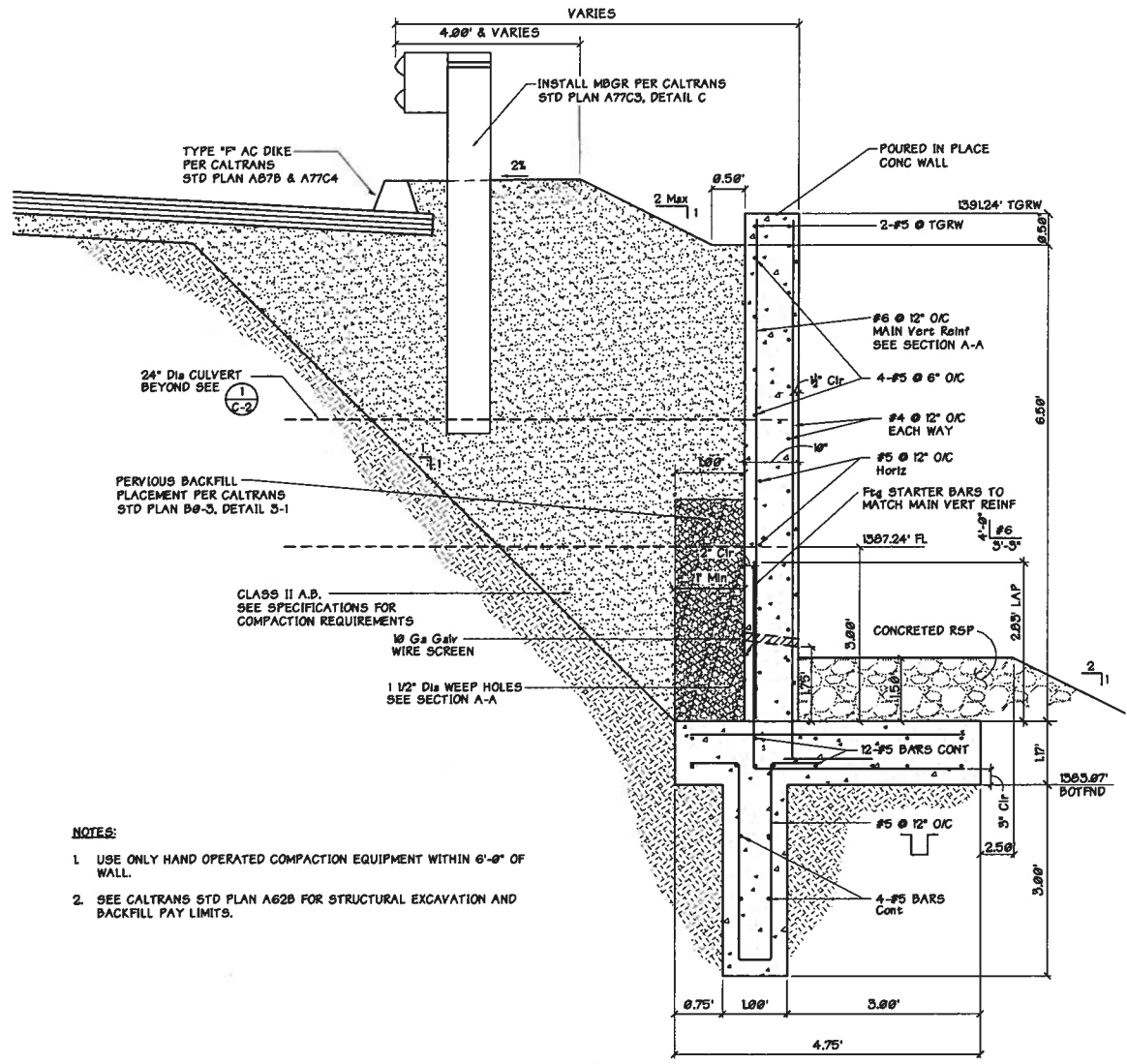
**Culvert Openings (Front and Back Face)** N.T.S. **1**



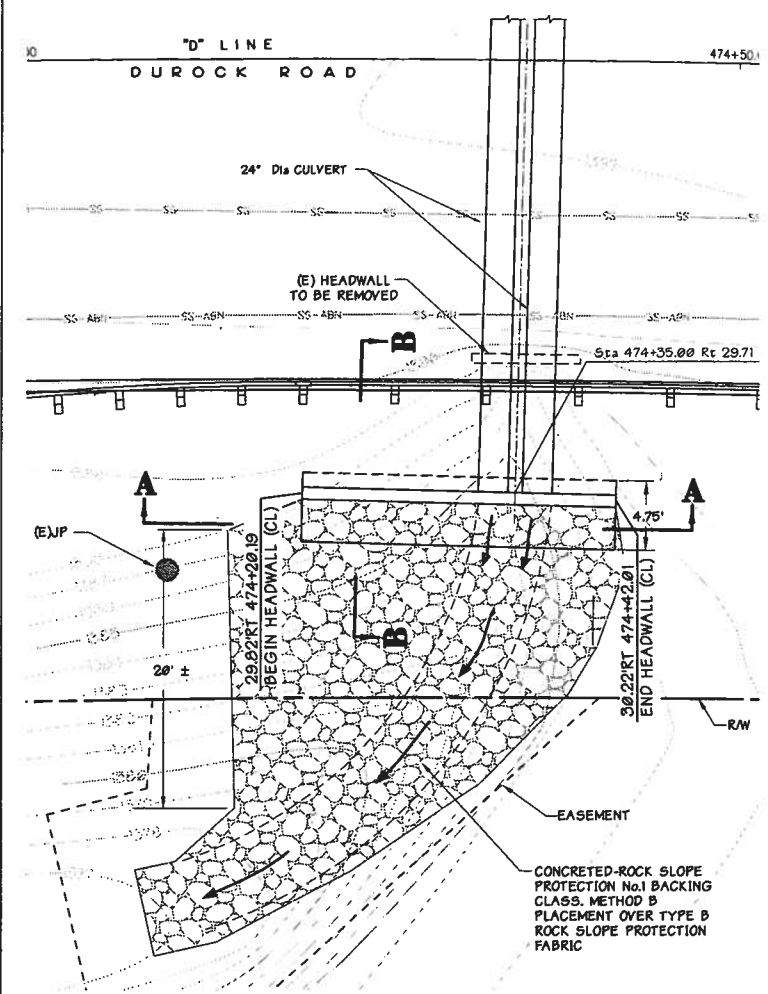
**Rebar Hooks and Bends** N.T.S. **2**



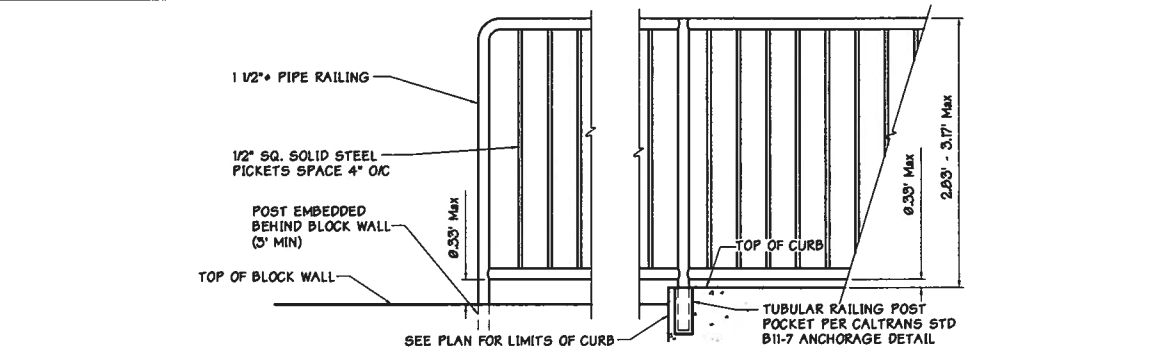
**Tubular Metal Railing layout Detail** N.T.S. **4A**



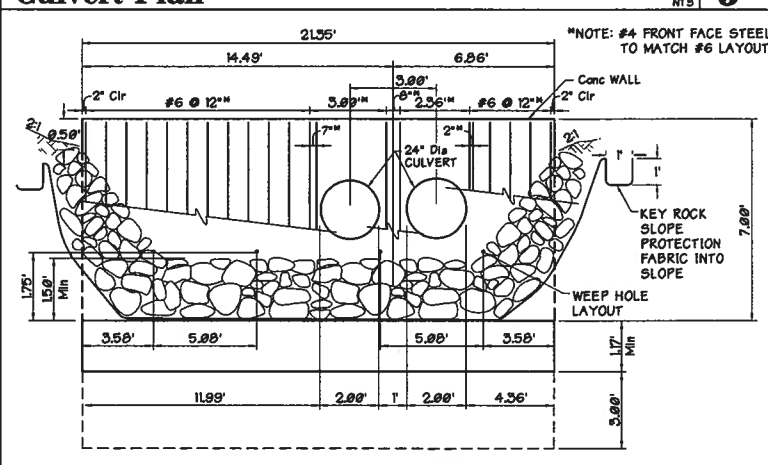
**Headwall Section B-B** N.T.S. **3**



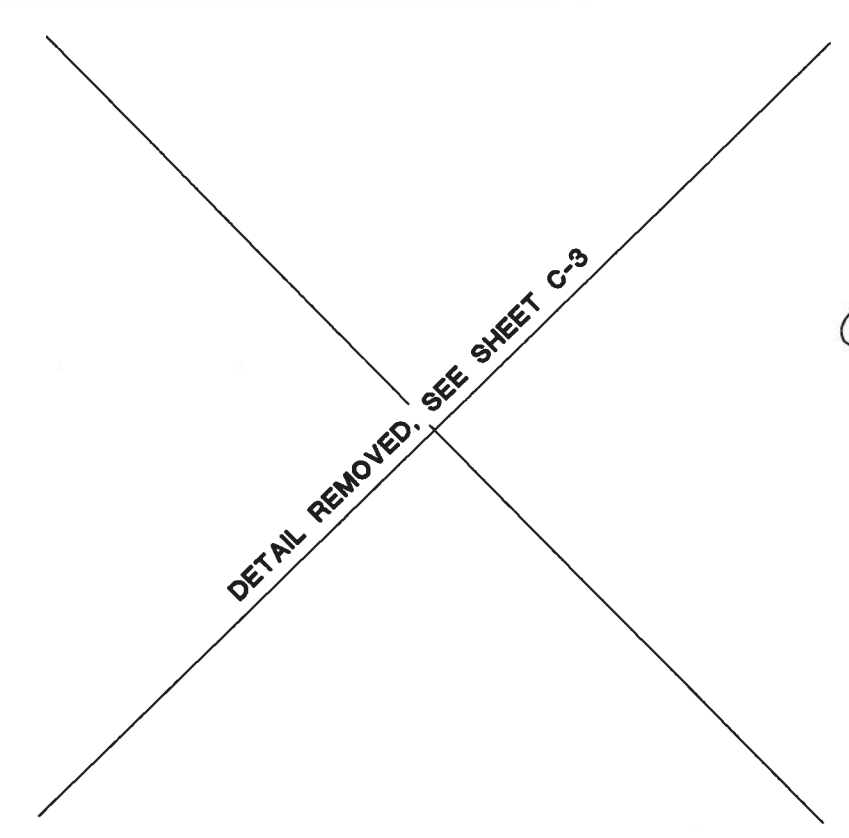
**Culvert Plan** N.T.S. **5**



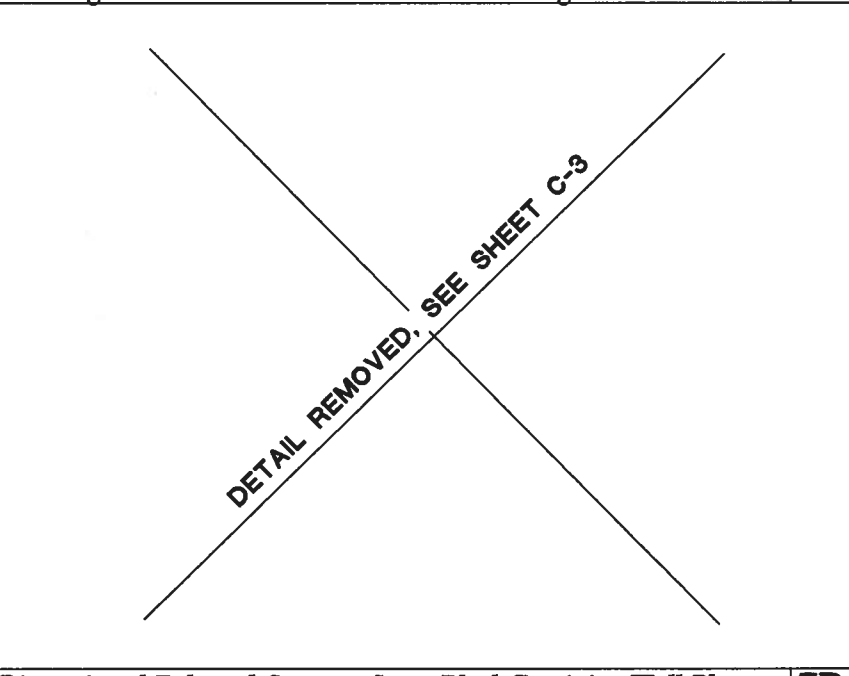
**Tubular Metal Railing Fabrication Detail** N.T.S. **4**



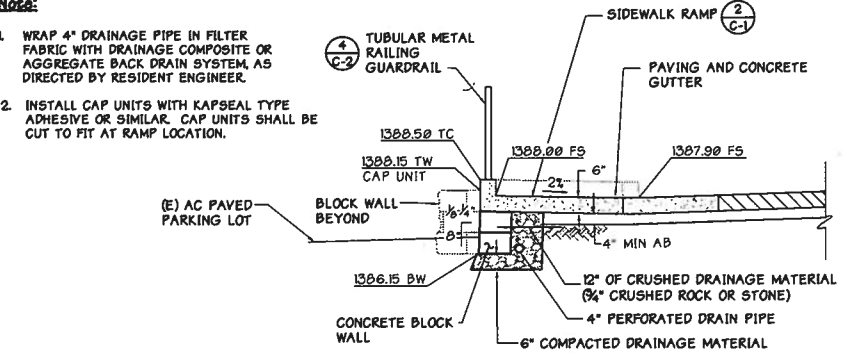
**Section A-A** N.T.S. **6**



**Enlarged Concrete Stone Block Retaining Wall Plan** N.T.S. **7A**



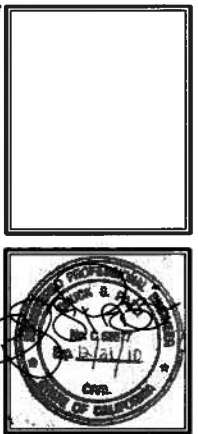
**Dimensioned Enlarged Concrete Stone Block Retaining Wall Plan** N.T.S. **7B**



**Concrete Stone Block Retaining Wall Section** N.T.S. **8**

DETAIL REMOVED, SEE SHEET C-3

DETAIL REMOVED, SEE SHEET C-3



NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
WALL DETAILS**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED	TB	DATE	
DRAWN	RJE	SCALE	AS SHOWN
JOB NO.			
SHEET			

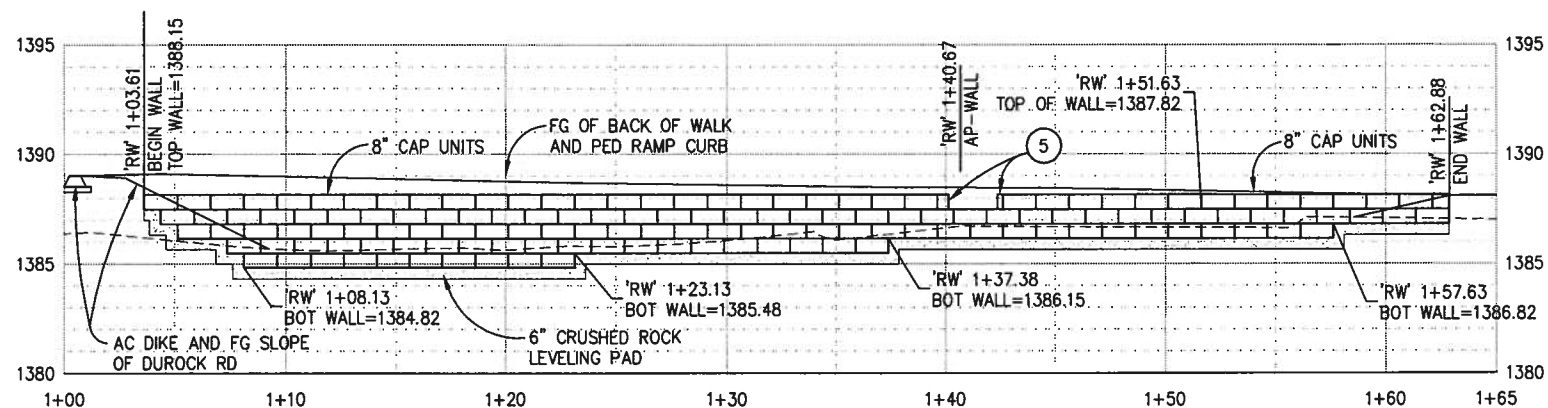
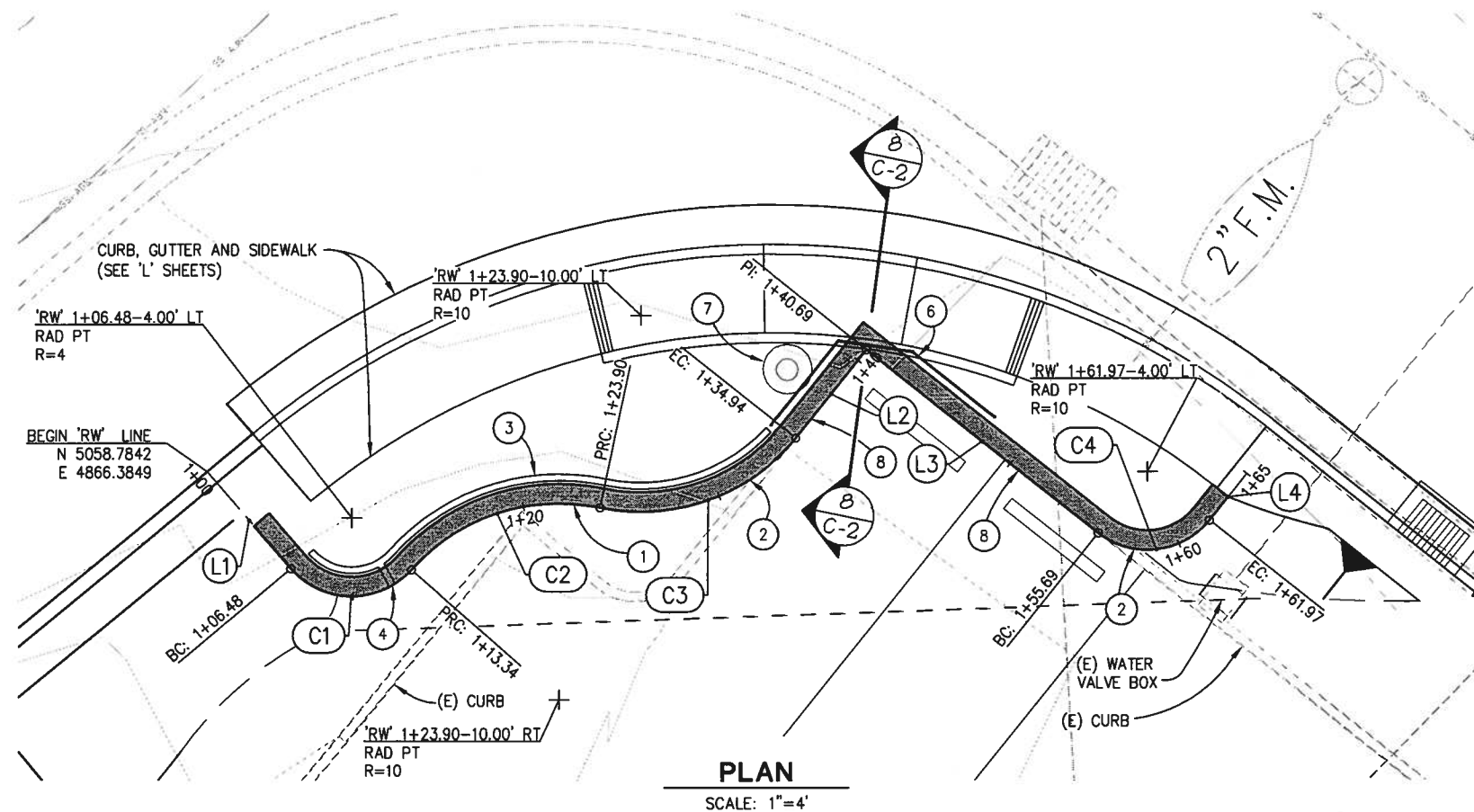
**C-2**  
**10**



'RW' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	6.48		S 40° 22' 12" E	
C1	6.86	4.00	S 89° 28' 21" E - 6.05	98° 12' 17"
C2	10.56	10.00	N 71° 40' 37" E - 10.08	60° 30' 13"
C3	11.04	10.00	N 70° 17' 58" E - 10.49	63° 15' 30"
L2	5.75		N 38° 40' 13" E	
L3	15.00		S 51° 33' 55" E	
C4	6.28	4.00	N 83° 26' 05" E - 5.66	90° 00' 00"
L4	3.03		N 38° 26' 05" E	

**CONSTRUCTION NOTES:**

- ① — CONCRETE BLOCK WALL: KEYSTONE, VERSA-LOK, OR EQUIVALENT. LOL OF RETAINING WALL IS FACE OF BOTTOM COURSE.
- ② — SAWCUT AND REMOVE EXISTING CURB FROM STA 'RW' 1+31.75 TO 'RW' 1+57.75. RECONSTRUCT CURB FLUSH TO FACE OF BLOCK WALL AT EACH END.
- ③ — 4" FLEXIBLE PERF DRAIN PIPE, S=0.020. STA 'RW' 1+06.00± TO 'RW' 1+34.50±.
- ④ — PROVIDE OPENING THROUGH BLOCK WALL FOR DRAIN PIPE. PLACE RODENT SCREEN AT EACH TERMINAL END.
- ⑤ — CAP UNITS LOCATED IMMEDIATELY BEHIND SIDEWALK CURB WILL BE PLACED AFTER SIDEWALK AND CURB ARE CONSTRUCTED, AND WILL BE SAWCUT TO ABUT DIRECTLY AGAINST BACK OF SIDEWALK CURB.
- ⑥ — TUBULAR METAL RAILING. SEE DETAIL 4A, SHT C-2.
- ⑦ — SIGNAL POLE FOUNDATION. SEE SHT E-1.
- ⑧ — IF ADJACENT PARKING LOT IS DAMAGED DURING CONCRETE STONE BLOCK RETAINING WALL CONSTRUCTION, THE CONTRACTOR SHALL SAWCUT AND REPLACE EXISTING DAMAGED PARKING LOT WITH 3" HMA (A) OVER 8" AB (CLASS 2). SAWCUT SHALL RUN CONTINUOUSLY PARALLEL WITH THE FACE OF THE NEW STONE BLOCK RETAINING WALL.



**PROFILE**  
SCALE: 1"=4' H, V

① **CONCRETE STONE BLOCK RETAINING WALL**



REV	DATE	BY	CHK

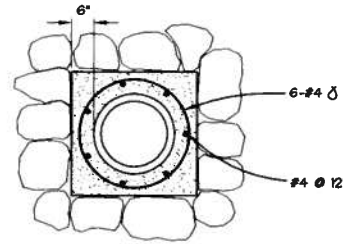
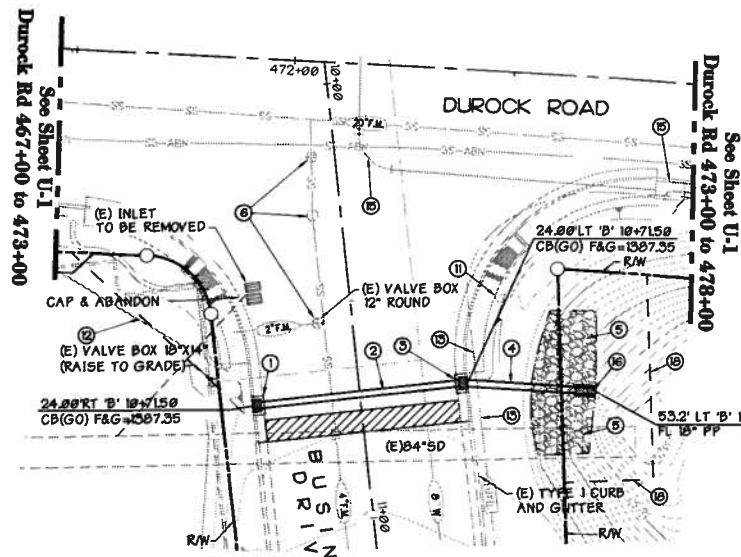
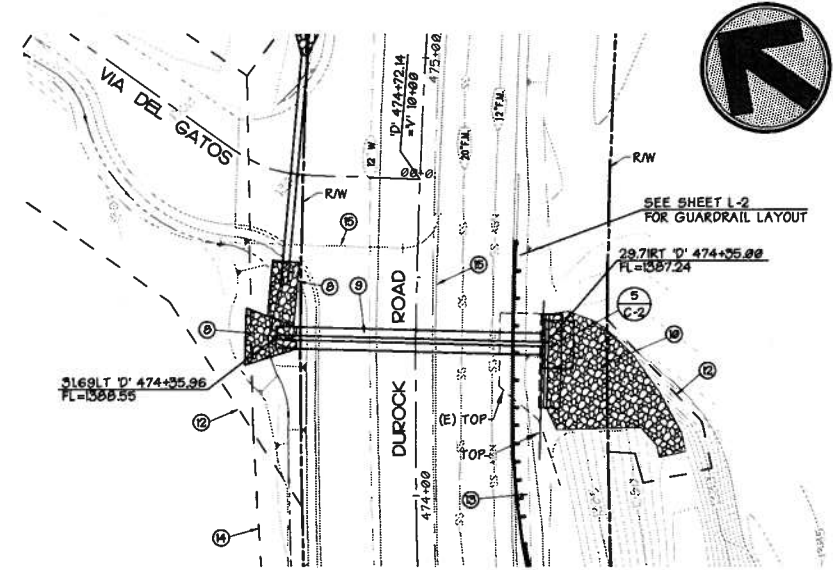
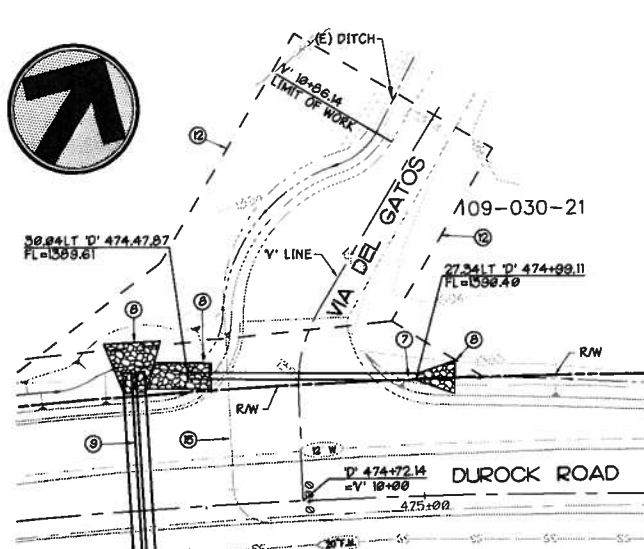
**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
WALL DETAILS**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

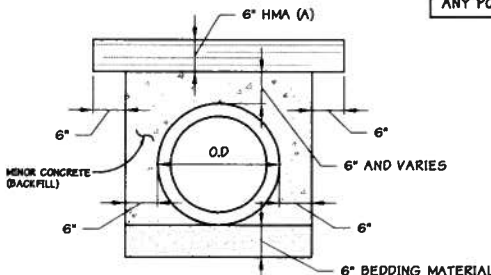
DESIGNED	DATE
SGM	
DRAWN	SCALE
SGM	AS SHOWN
SHEET	
<b>C-3</b>	
<b>11</b>	

**Construction Notes**

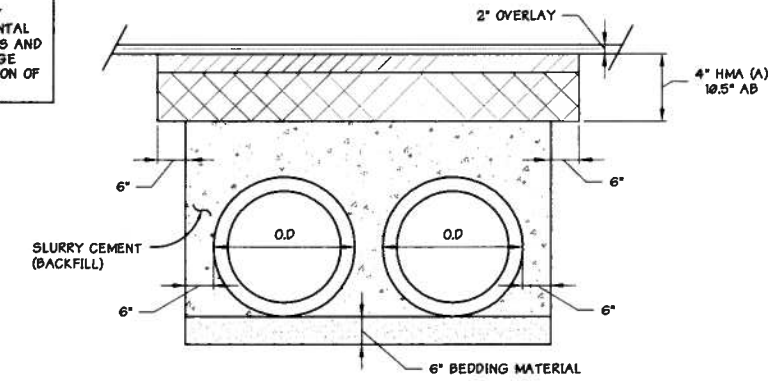
- ① INSTALL CALTRANS TYPE G0 DRAIN INLET PER DETAIL D74B, WITH 600-12X GRATE.
- ② INSTALL 47 LF 18" RCP (SMOOTHWALL) STORM DRAIN
- ③ INSTALL CALTRANS TYPE G0 DRAIN INLET PER DETAIL D74B, WITH 600-12X GRATE.
- ④ INSTALL 30 LF 18" RCP (SMOOTHWALL) STORM DRAIN
- ⑤ REMOVE AND REPLACE EXISTING RSP (1/4 TON, METHOD B) AS NECESSARY TO CONSTRUCT DRAINAGE SYSTEM.
- ⑥ ADJUST EXISTING UTILITIES TO FINISHED GRADE.
- ⑦ INSTALL 53 LF 18" RCP, WITH FES PER CT STD PLAN D94A. SEE TRENCH DETAIL 1
- ⑧ INLET/OUTLET PROTECTION PER STD DRAWING T-504 WITH CONCRETE ROCK SLOPE PROTECTION No.1 BACKING CLASS, METHOD B PLACEMENT WITH TYPE A ROCK SLOPE PROTECTION FABRIC.
- ⑨ INSTALL 62 LF 24" RCP CULVERTS, SEE TRENCH DETAIL 2
- ⑩ CONCRETE ROCK SLOPE PROTECTION No.1 BACKING CLASS, METHOD B PLACEMENT WITH TYPE B ROCK SLOPE PROTECTION FABRIC.
- ⑪ (E) WY TO REMAIN, RAISE TO FINISHED GRADE.
- ⑫ TEMPORARY CONSTRUCTION EASEMENT
- ⑬ APPROXIMATE LOCATION (E) Jt. VERIFY PRIOR TO START OF CONSTRUCTION.
- ⑭ SLOPE EASEMENT.
- ⑮ (E) AT&T DUCTS, AND SPLICE BOX.
- ⑯ CONCRETE COLLAR PER DETAIL THIS SHEET.
- ⑰ NOTE: TOP OF PIPES ⑦ AND ⑧ TO BE WITHIN 2" OF FINISHED GRADE. USE CAUTION WHEN OPERATING EQUIPMENT IN VICINITY OF PIPES.
- ⑱ DRAINAGE EASEMENT.



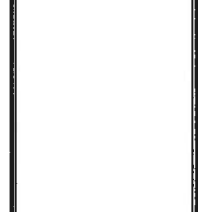
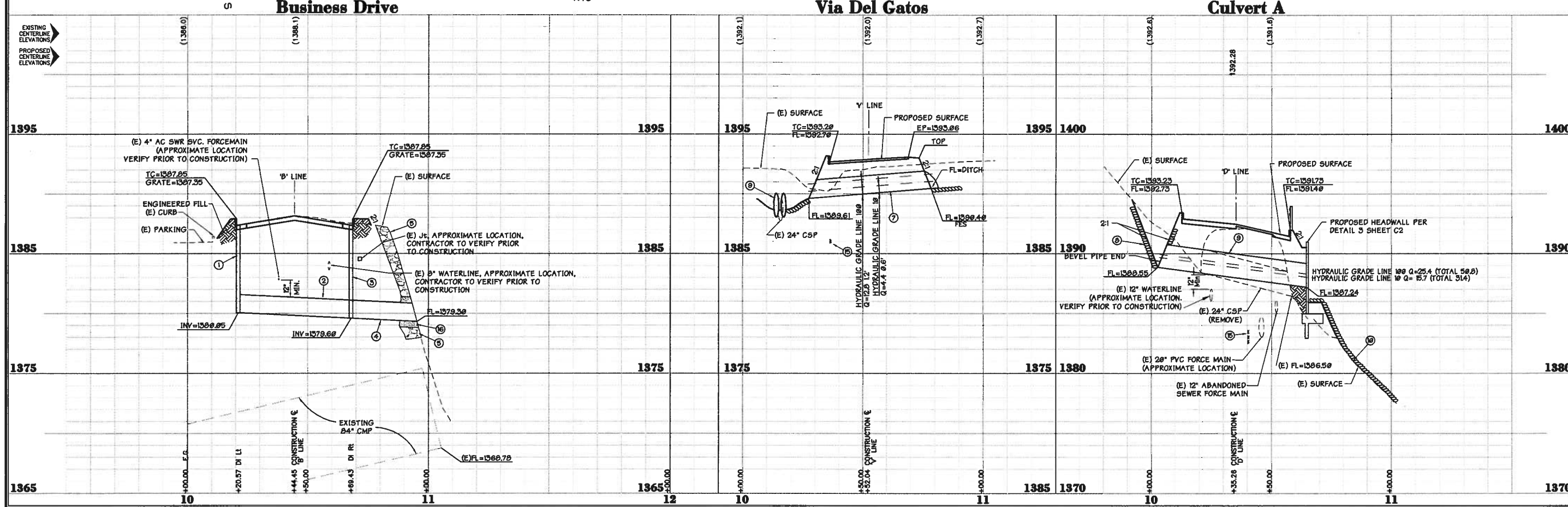
**CONCRETE COLLAR**  
NTS



**TRENCH DETAIL 1**  
NTS



**TRENCH DETAIL 2**  
NTS



Revisions	DATE	BY

**DUROCK ROAD & BUSINESS DRIVE**  
**TRAFFIC SIGNAL & INTERSECTION WIDENING**  
**STORM DRAIN**  
**PLAN AND PROFILES**

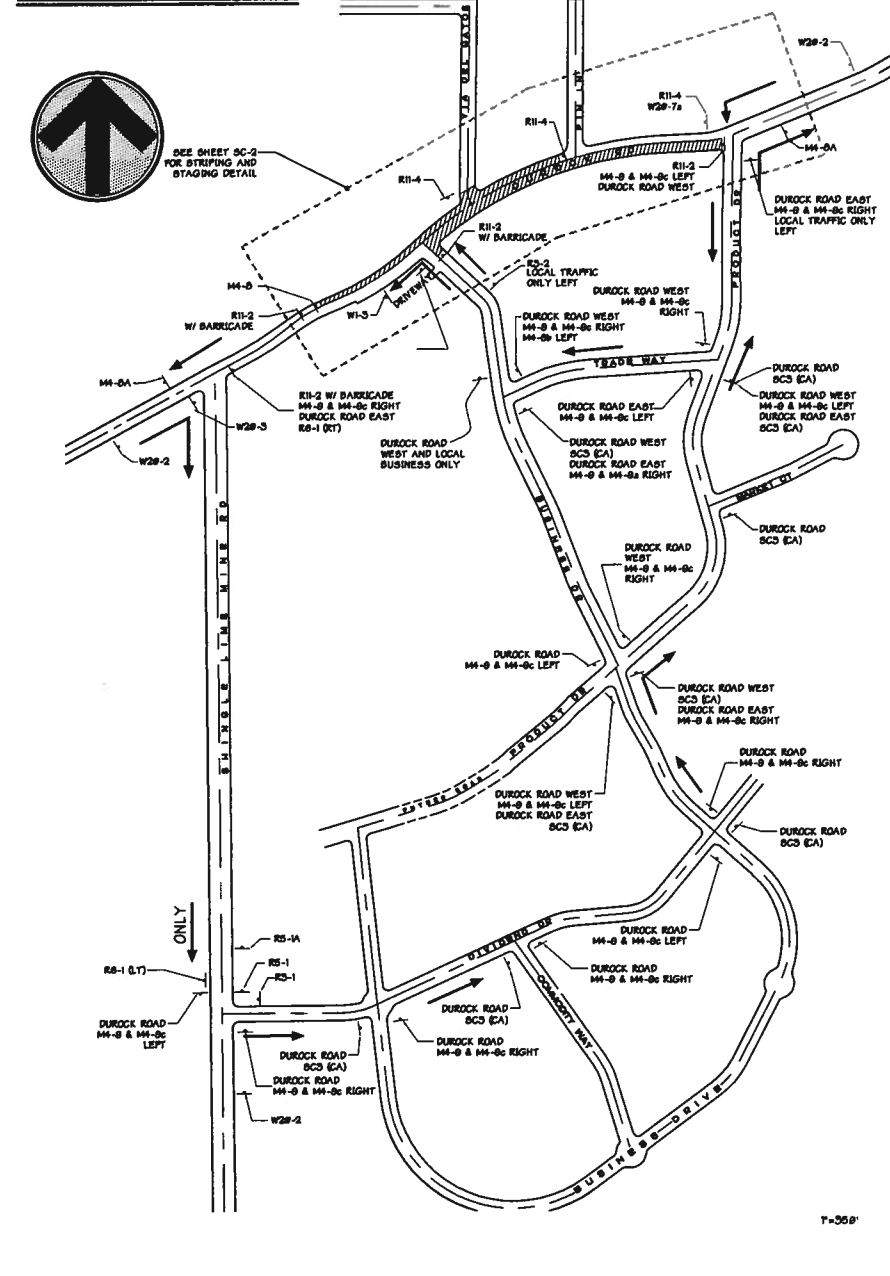
COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED: ACR/RES DATE:    
 DRAWN: ASR HORIZ. SCALE: 1"=20'  
 JOB No:  VERT. SCALE: 1"=4'  
 SHEET: **D-1**  
**12**





**Detour Plan Stage 1**



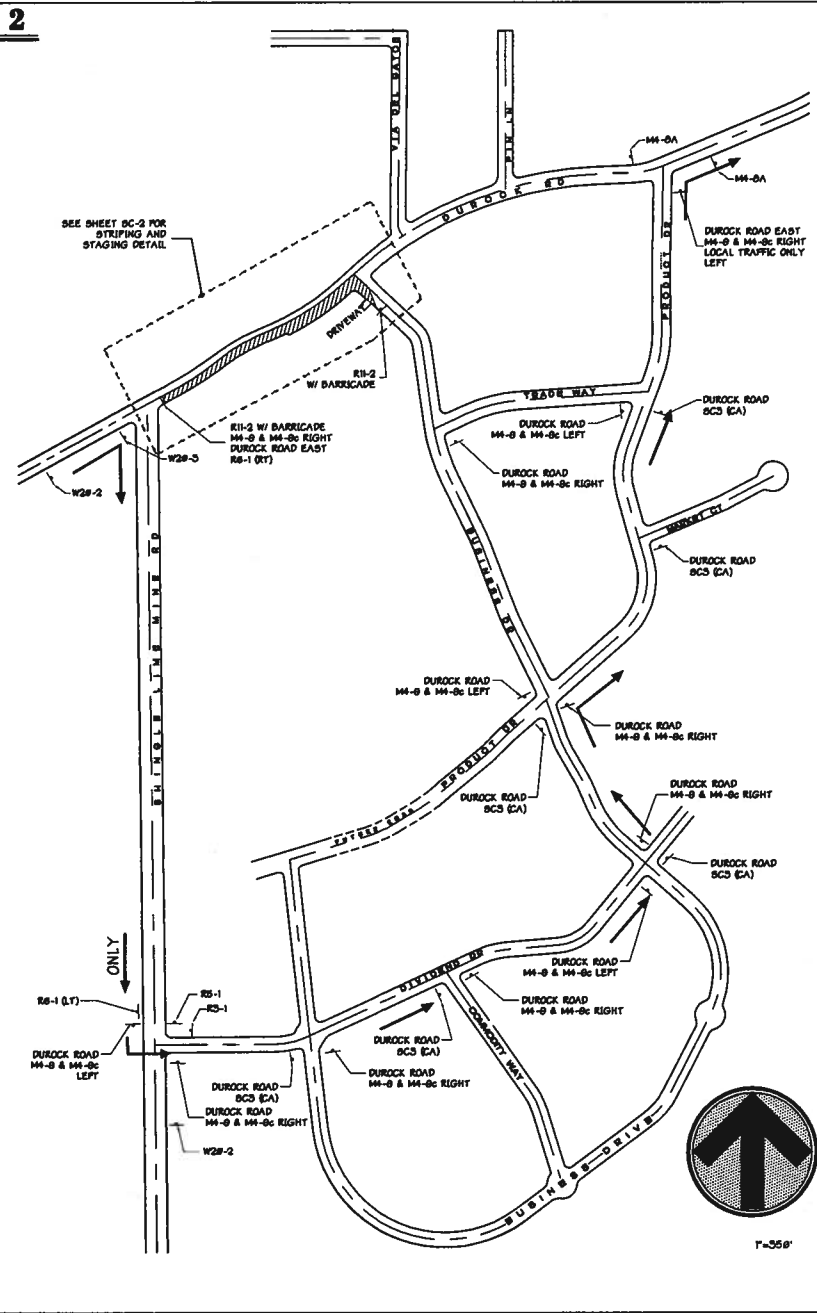
**Stage 1 Construction Notes**

1. DURING THIS STAGE, CONTRACTOR MUST MAINTAIN ACCESS TO ALL BUSINESSES AT ALL TIMES.
2. DURING THIS STAGE CONTRACTOR SHALL REMOVE (E) PAVEMENT SECTION, BASE AND REGRADE, PREPARE NEW SUBGRADE AND INSTALL 4" OF AC AND LEVELING COURSE, WHERE APPLICABLE.
3. REFER TO "MAINTAINING TRAFFIC" SECTION OF SPECIAL PROVISIONS FOR ALLOWABLE CONSTRUCTION HOURS AND TRAFFIC LANE RESTRICTIONS.
4. ALL SIGNS, BARRIERS, AND CHANNELIZE DEVICES USED DURING NIGHTTIME SHALL BE EITHER RETRO-REFLECTIVE WITH A SMOOTH, SEALED OUTER SURFACE OR LUMINATED TO SHOW THE SAME SHAPE AND SIMILAR COLOR FOR BOTH DAY AND NIGHT.
5. DURING THIS STAGE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO RESIDENTS OF VIA DEL GATOS AND PIN LANE A MIN. 10' WIDE COMPACTED ASPHALT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. DURING THIS STAGE, CONTRACTOR SHALL USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TO WARN TRAILERS AND LARGE TRUCKS ABOUT THE DETOUR ON DUROCK ROAD. CONTRACTOR SHALL PLACE A PCMS ON HWY. 50 (EB) BEFORE THE CAMERON PARK RD RAMP TO DIRECT TRAILERS AND LARGE TRUCKS TO USE THE PONDEROSA RD RAMP TO ACCESS DUROCK RD. ANOTHER PCMS SHALL BE PLACED ON HWY. 50 (WB) BEFORE THE CAMERON PARK RD RAMP TO DIRECT TRAILERS AND LARGE TRUCKS TO USE PONDEROSA RD TO ACCESS DUROCK RD. ANOTHER PCMS SHALL BE PLACED ON CAMERON PARK DRIVE @ COACH LANE TO DIRECT TRAILERS AND LARGE TRUCKS TO USE PONDEROSA RD TO ACCESS BARNETT BUSINESS PARK. CONTRACTOR SHALL CONFORM WITH THE SPECIFICATIONS ON SECTION 6F55 "PORTABLE CHANGEABLE MESSAGE SIGNS" IN THE MUTCD AND THE SPECIAL PROVISIONS. SEE ENGINEER FOR COUNTY COPY OF PCMS ENCROACHMENT PERMIT FROM CALTRANS. CONTRACTOR TO ALSO OBTAIN PCMS ENCROACHMENT PERMIT FROM CALTRANS.
7. CONTRACTOR SHALL INSTALL ALL UNDERGROUND FACILITIES, INCLUDING: STORM DRAIN REPLACEMENT, SIGNAL CONDUITS, SIGNAL FOUNDATION.
8. ANY OPEN TRENCH SHALL BE SHORED UP AND PLATED EACH WORK DAY BEFORE LEAVING JOB SITE. RECESSED SKID-RESISTANT TRENCH PLATES SHALL BE USED.
9. STAGE 1: ALLOW BUSINESS DRIVE NB TRAFFIC TO WB DUROCK ROAD ONLY.

**Detour Plan Stage 2**

**Stage 2 Construction Notes**

1. DURING THIS STAGE, CONTRACTOR MUST MAINTAIN ACCESS TO ALL BUSINESSES AT ALL TIMES.
2. DURING THIS STAGE CONTRACTOR SHALL REMOVE (E) PAVEMENT SECTION, BASE AND REGRADE, PREPARE NEW SUBGRADE AND INSTALL 4" OF AC, WHERE APPLICABLE.
3. REFER TO "MAINTAINING TRAFFIC" SECTION OF SPECIAL PROVISIONS FOR ALLOWABLE CONSTRUCTION HOURS AND TRAFFIC LANE RESTRICTIONS.
4. ALL SIGNS, BARRIERS, AND CHANNELIZE DEVICES USED DURING NIGHTTIME SHALL BE EITHER RETRO-REFLECTIVE WITH A SMOOTH, SEALED OUTER SURFACE OR LUMINATED TO SHOW THE SAME SHAPE AND SIMILAR COLOR FOR BOTH DAY AND NIGHT.
5. DURING THIS STAGE, CONTRACTOR SHALL USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TO WARN TRAILERS AND LARGE TRUCKS ABOUT THE DETOUR ON DUROCK ROAD. CONTRACTOR SHALL PLACE A PCMS ON HWY. 50 (EB) BEFORE THE CAMERON PARK RD RAMP TO DIRECT TRAILERS AND LARGE TRUCKS TO USE THE PONDEROSA RD RAMP TO ACCESS DUROCK RD. ANOTHER PCMS SHALL BE PLACED ON HWY. 50 (WB) BEFORE THE CAMERON PARK RD RAMP TO DIRECT TRAILERS AND LARGE TRUCKS TO USE PONDEROSA RD TO ACCESS DUROCK RD. ANOTHER PCMS SHALL BE PLACED ON CAMERON PARK DRIVE @ COACH LANE TO DIRECT TRAILERS AND LARGE TRUCKS TO USE PONDEROSA RD TO ACCESS BARNETT BUSINESS PARK. CONTRACTOR SHALL CONFORM WITH THE SPECIFICATIONS ON SECTION 6F55 "PORTABLE CHANGEABLE MESSAGE SIGNS" IN THE MUTCD AND THE SPECIAL PROVISIONS. SEE ENGINEER FOR COUNTY COPY OF PCMS ENCROACHMENT PERMIT FROM CALTRANS. CONTRACTOR TO OBTAIN PCMS ENCROACHMENT PERMIT FROM CALTRANS.
6. CONTRACTOR SHALL INSTALL ALL UNDERGROUND FACILITIES, INCLUDING: STORM DRAIN REPLACEMENT, SIGNAL CONDUITS, SIGNAL FOUNDATION, ETC.
7. ANY OPEN TRENCH SHALL BE SHORED UP AND PLATED EACH WORK DAY BEFORE LEAVING JOB SITE. RECESSED SKID-RESISTANT TRENCH PLATES SHALL BE USED.
8. STAGE 2: ALLOW BUSINESS DRIVE NB TRAFFIC TO EB DUROCK ROAD ONLY.



**Legend**

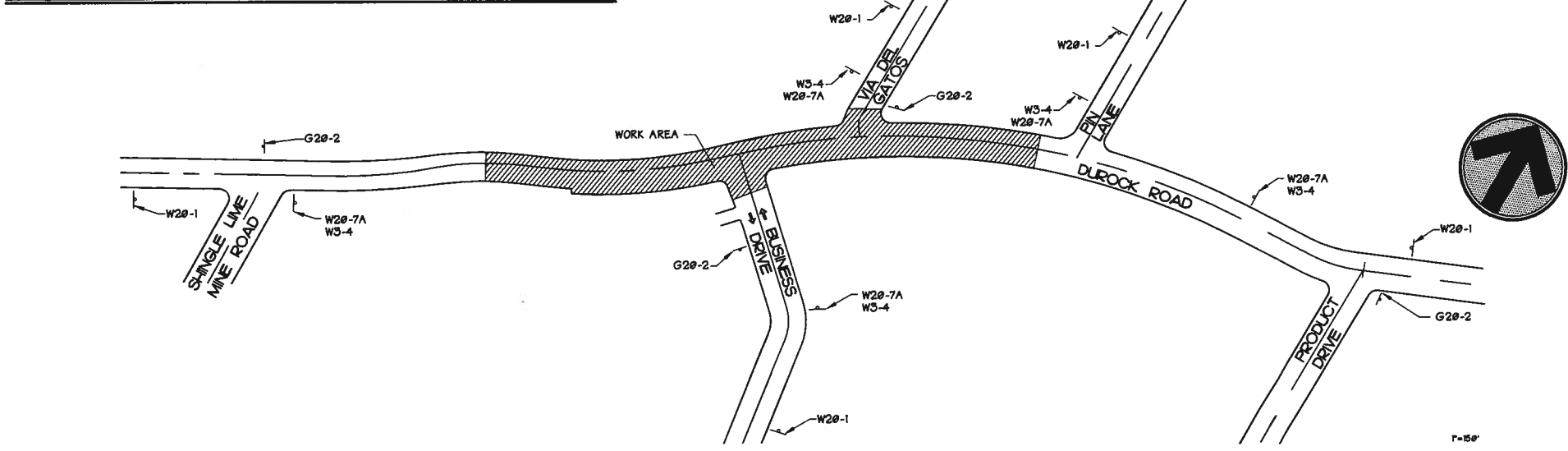
- ↑ TEMPORARY SIGN
- ← DIRECTION OF TRAVEL
- ▨ INDICATES WORK AREA FOR EACH CONSTRUCTION PHASE

MUTCD CODE	SIGN
G20-2	END ROAD WORK
W1-5	TURN AND CURVE SIGN
W3-4	PREPARE TO STOP
W20-1	ROAD WORK AHEAD
W20-2	DETOUR
W20-3	ROAD CLOSED AHEAD
W20-7a	FLAGGER
M4-8	DETOUR (PLAQUE)
M4-8a	END DETOUR
M4-9	DETOUR (W/ ARROW)
M4-9a	PEDESTRIAN AND BIKE DETOUR (W/ ARROW)
M4-9b	PEDESTRIAN DETOUR (W/ ARROW)
M4-9c	BIKE DETOUR (W/ ARROW)
R3-2	NO LEFT TURN
R5-1	DO NOT ENTER
R5-1a	WRONG WAY
R6-2	ONE WAY (WITH ARROW)
R11-2	ROAD CLOSED
R11-4	ROAD CLOSED (LOCAL TRAFFIC ONLY)
R3-1	NO RIGHT TURN

**General Notes**

1. UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS, ALL TEMPORARY WARNING SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA). OTHERWISE, FEDERAL (MUTCD) CODES ARE SHOWN.
3. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
4. THIS PLAN IS FOR BID PURPOSES ONLY AND IS A GUIDELINE FOR THE CONTRACTOR. CONTRACTOR SHALL SUBMIT TO THE COUNTY HIS OWN STAGING AND TRAFFIC CONTROL PLAN FOR APPROVAL. SEE SPECIAL PROVISIONS "MAINTAINING TRAFFIC".
5. CONTRACTOR SHALL FOLLOW ALL CALTRANS STD PLAN DETAILS APPLICABLE TO THIS ROADWAY.
6. CONTRACTOR MUST REFER TO CALTRANS SPECIFICATIONS FOR ALL TRAFFIC MAINTENANCE AND CONTROL.

**Stage 3 Construction (Final AC Lift)**



**Stage 3 Construction Notes**

1. INSTALL FINAL LIFT (2" AC).
2. STRIPE FINAL LANES.
3. ALL WORK SHALL BE PERFORMED DURING THE DAY UNLESS NIGHT WORK IS APPROVED BY THE ENGINEER FOR SAFETY REASONS OR EASE OF CONSTRUCTION AND PER "MAINTAINING TRAFFIC" SECTION OF THE CONTRACT DOCUMENTS.
4. ALL SIGNS, BARRIERS, AND CHANNELIZE DEVICES USED DURING NIGHTTIME SHALL BE EITHER RETRO-REFLECTIVE WITH A SMOOTH, SEALED OUTER SURFACE, OR LUMINATED TO SHOW THE SAME SHAPE AND SIMILAR COLOR FOR BOTH DAY AND NIGHT.
5. THE STAGE 1 OR STAGE 2 DETOUR CONFIGURATION MAY BE USED WITH LANE SHIFTING.

NOTE: FINAL LIFT AND STRIPING MAY BE DONE AS NIGHT WORK TO LESSEN IMPACT ON TRAFFIC DELAYS. CONTRACTOR TO VERIFY W/ ENGINEER. CALTRANS STD PLAN T13 TRAFFIC CONTROL W/ REVERSIBLE CONTROL SHALL APPLY.

**DUROCK ROAD & BUSINESS DRIVE  
 TRAFFIC SIGNAL & INTERSECTION WIDENING  
 STAGE CONSTRUCTION AND  
 TRAFFIC HANDLING PLAN**

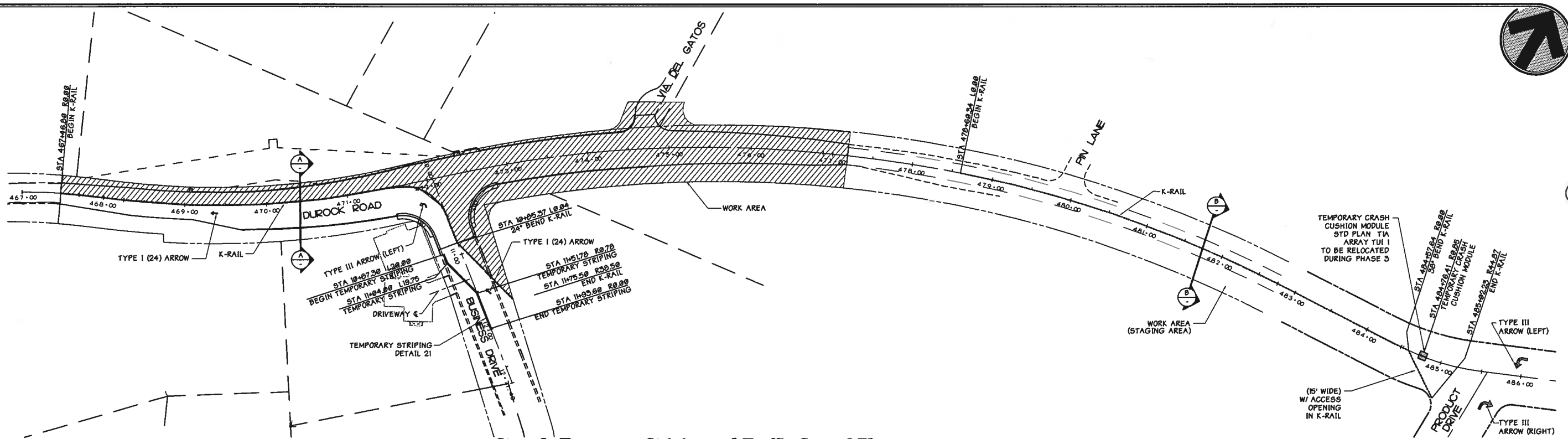
COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
DRAWN	PROJ. SCALE
JOB NO.	VERT. SCALE
SHEET	N/A

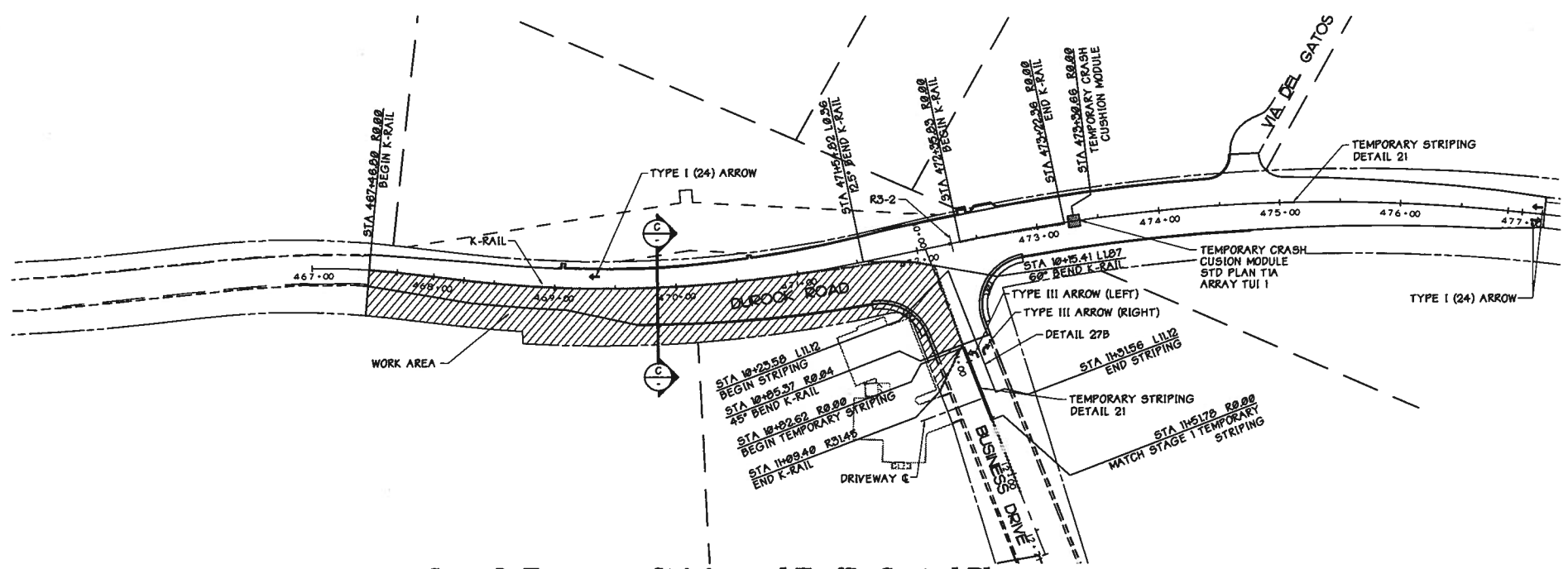
SC-1

14





**Stage 1: Temporary Striping and Traffic Control Plan**



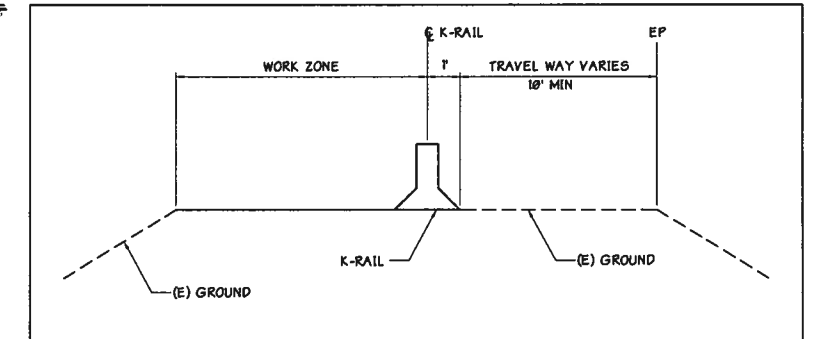
**Stage 2: Temporary Striping and Traffic Control Plan**

**General Notes:**

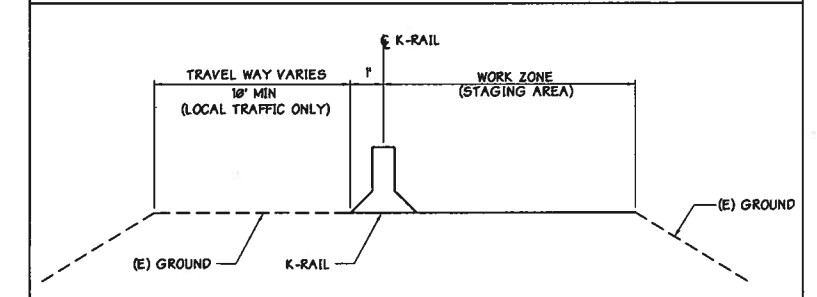
- UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS, ALL TEMPORARY WARNING SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND.
- CALIFORNIA CODE ARE DESIGNATED BY (CA). OTHERWISE, FEDERAL (MUTCD) CODES ARE SHOWN.
- LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
- THIS PLAN IS FOR BID PURPOSES ONLY AND IS A GUIDELINE FOR THE CONTRACTOR. CONTRACTOR SHALL SUBMIT TO THE COUNTY HIS OWN STAGING AND TRAFFIC CONTROL PLAN FOR APPROVAL.
- CONTRACTOR SHALL FOLLOW ALL CALTRANS STD PLAN DETAILS APPLICABLE TO THIS ROADWAY.
- CONTRACTOR MUST REFER TO CALTRANS SPECIFICATIONS FOR ALL TRAFFIC MAINTENANCE AND CONTROL.

**Legend**

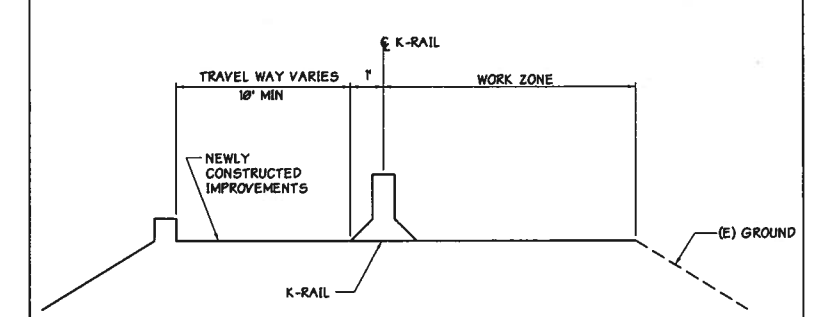
- ⊥ TEMPORARY SIGN
- ← DIRECTION OF TRAVEL
- ▨ INDICATES EXTENT OF WORK AREA



**Section A-A**



**Section B-B**



**Section C-C**



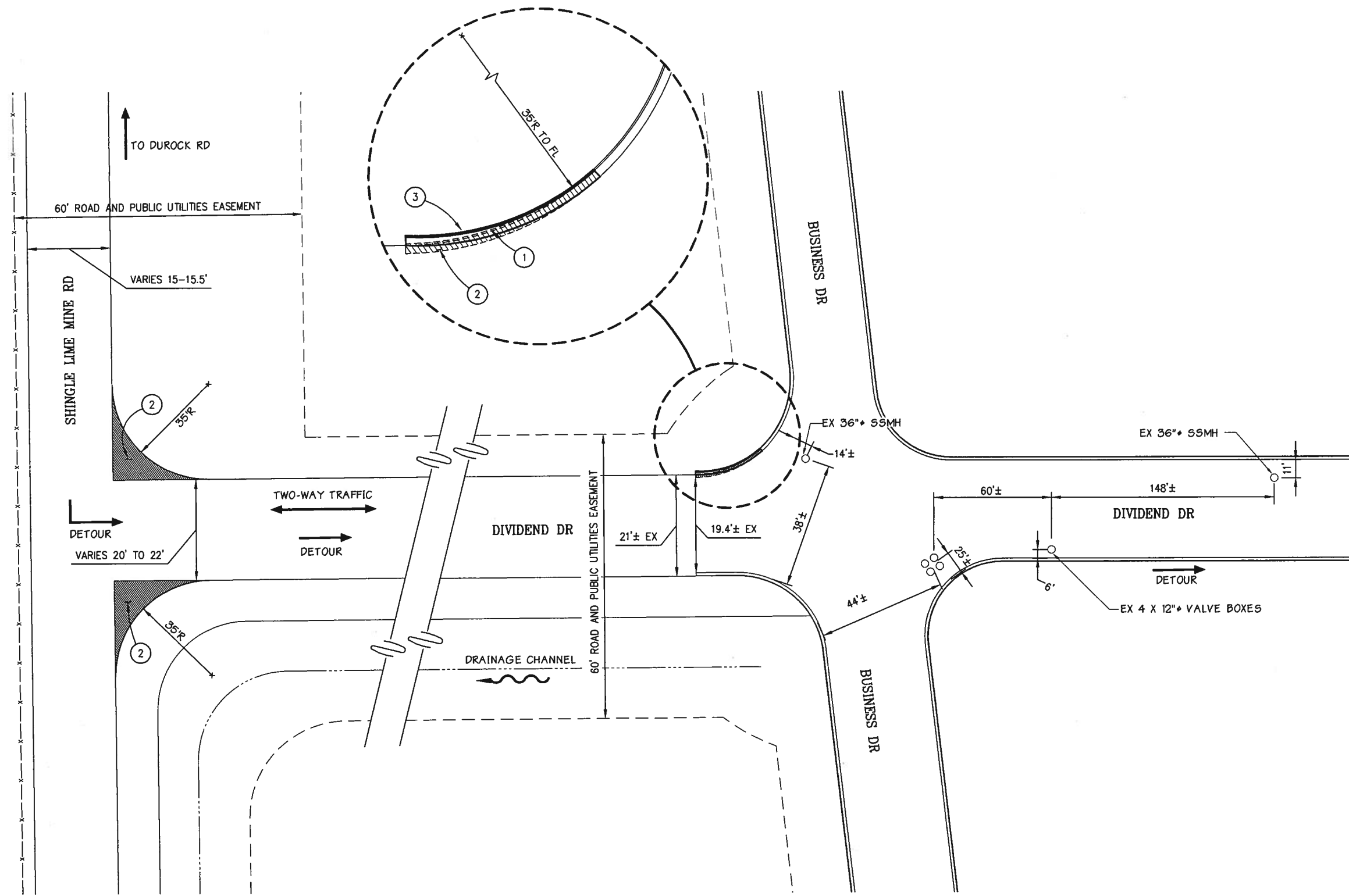
NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE**  
**TRAFFIC SIGNAL & INTERSECTION WIDENING**  
**STAGE CONSTRUCTION AND**  
**TRAFFIC HANDLING PLAN**

COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED	DATE
DRAWN	SCALE
CHECKED	SCALE
DATE	SCALE

**SC-2**  
**15**



**Detour - Utility Patch Paving**  
NTS



- CONSTRUCTION NOTES:**
- ① EL DORADO COUNTY MAINTENANCE PERSONNEL TO REMOVE APPROXIMATELY 15' OF EXISTING CURB AND GUTTER, BACK TO THIRD JOINT LINE
  - ② EL DORADO COUNTY MAINTENANCE PERSONNEL TO PLACE NEW ROAD SECTION (HATCHED AREAS)
  - ③ CONTRACTOR TO PLACE APPROX 15 LF OF CURB & GUTTER (TYPE 2) AFTER DETOUR IS NO LONGER NEEDED



NO.	DATE	DESCRIPTION

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
STAGE CONSTRUCTION AND  
TRAFFIC HANDLING PLAN**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION  
Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED	MP	DATE	7/27/09
DRAWN	SGM	FIGURE SCALE	NTS
JOB NO.	73354	PART SCALE	N/A
SHEET	<b>SC-3</b>		
	<b>16</b>		





**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 1/4" 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.

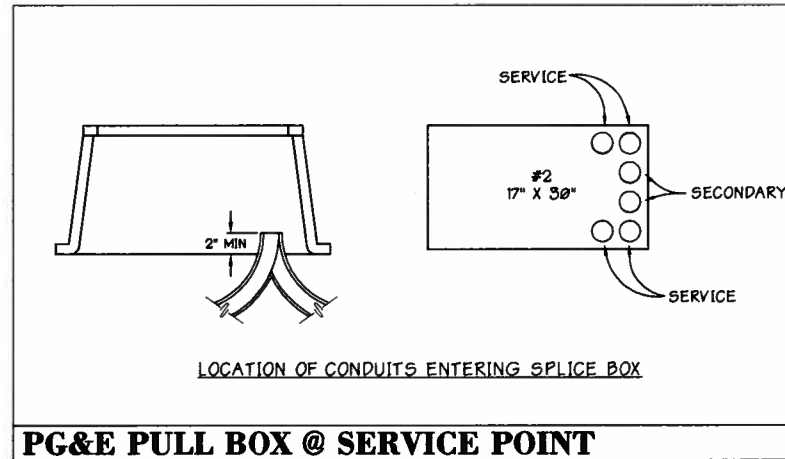
**NEW TRAFFIC TURN-ON PROCEDURES**

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.

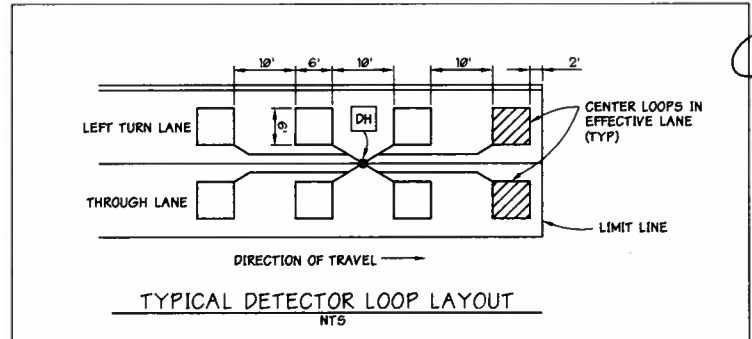
1. CHECK ALL SIGNAL LIGHTING CIRCUITS. (RESPONSIBILITY OF ELECTRICAL CONTRACTOR. INSPECTOR MAY REQUEST TO BE PRESENT AT HIS DISCRETION.)
  - a. REMOVE ALL LOAD SWITCHES (MODEL 200) AND THE FLASHER UNITS (MODEL 204). THIS MUST BE DONE TO ASSURE THEIR PROTECTION AND TO PREVENT FEEDBACK THROUGH THE SWITCH 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" REMAIN "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.

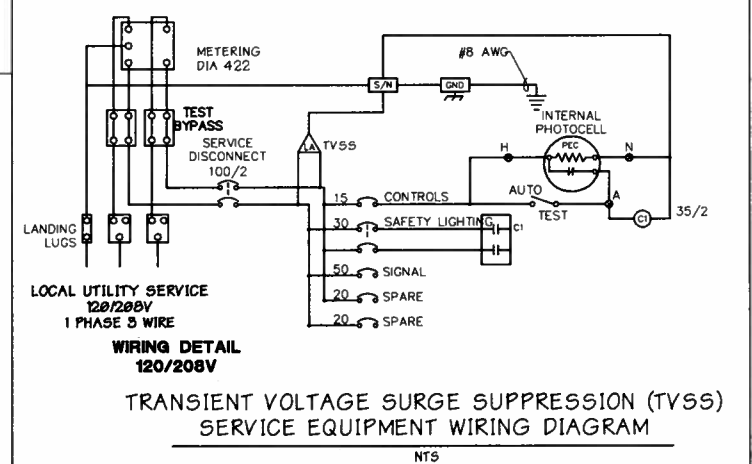
  - a. REMOVE THE CONFLICT MONITOR AND VERIFY THAT IT HAS BEEN TESTED AND THAT THE CORRECT AND PROPERLY CONFIGURED DIODE BOARD IS INSTALLED. THIS IS ACCOMPLISHED BY REVIEWING THE ACCOMPANYING MT-100 TEST PRINTOUT STRIP AND ASSURING THAT THE PROGRAM BOARD IS PROPERLY CONFIGURED FOR THE INDICATED INTERSECTION. 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-100 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.



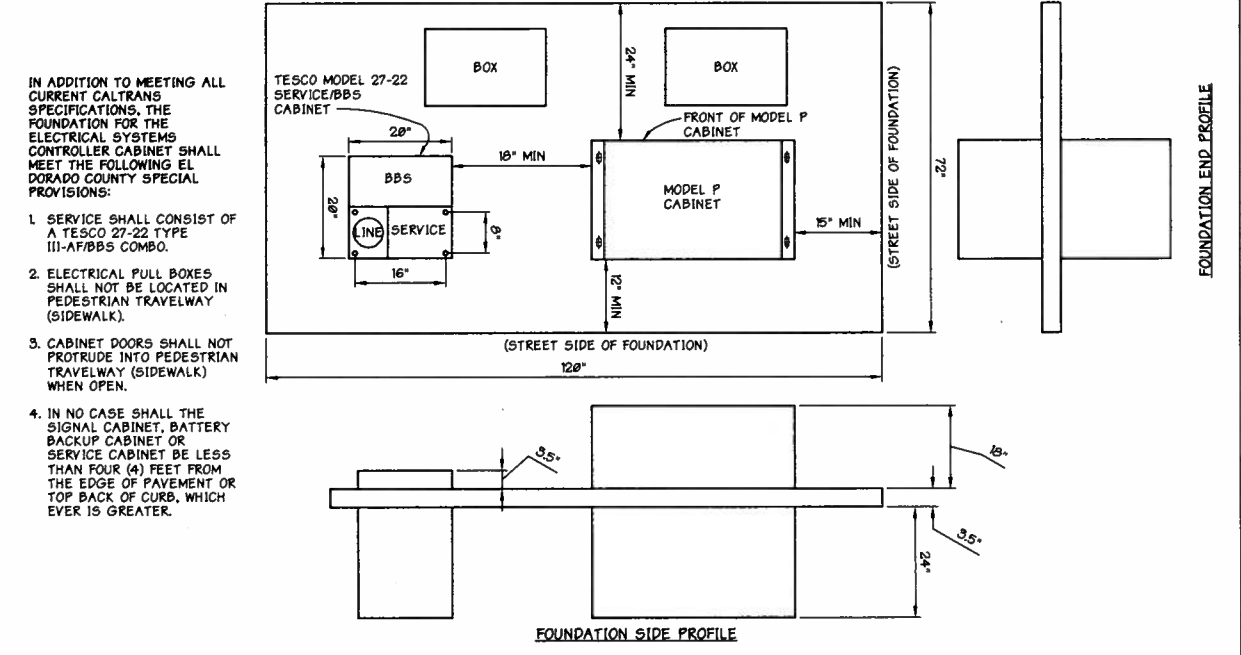
**PG&E PULL BOX @ SERVICE POINT**



**TYPICAL DETECTOR LOOP LAYOUT**



**TVSS DIAGRAM**



**CONTROLLER AND SERVICE PAD DETAIL**



NO.	DATE	DESCRIPTION

**DURCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
TRAFFIC SIGNAL, LIGHTING  
NOTES AND DETAILS**

COUNTY OF EL DORADO  
 DEPARTMENT OF  
 TRANSPORTATION  
 Ownership Information:  
 SUBMITTAL DATE: 05-14-10

DESIGNED	ACRES	DATE
ASR	ASR	ASR
JOB No.		VERT. SCALE
SHEET		N/A

E-2

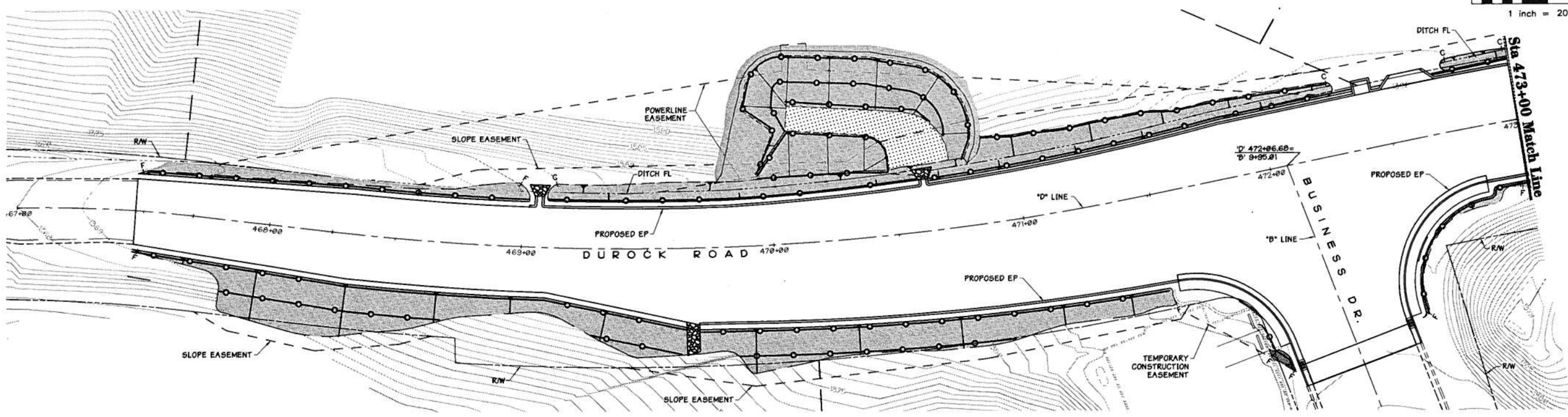
18








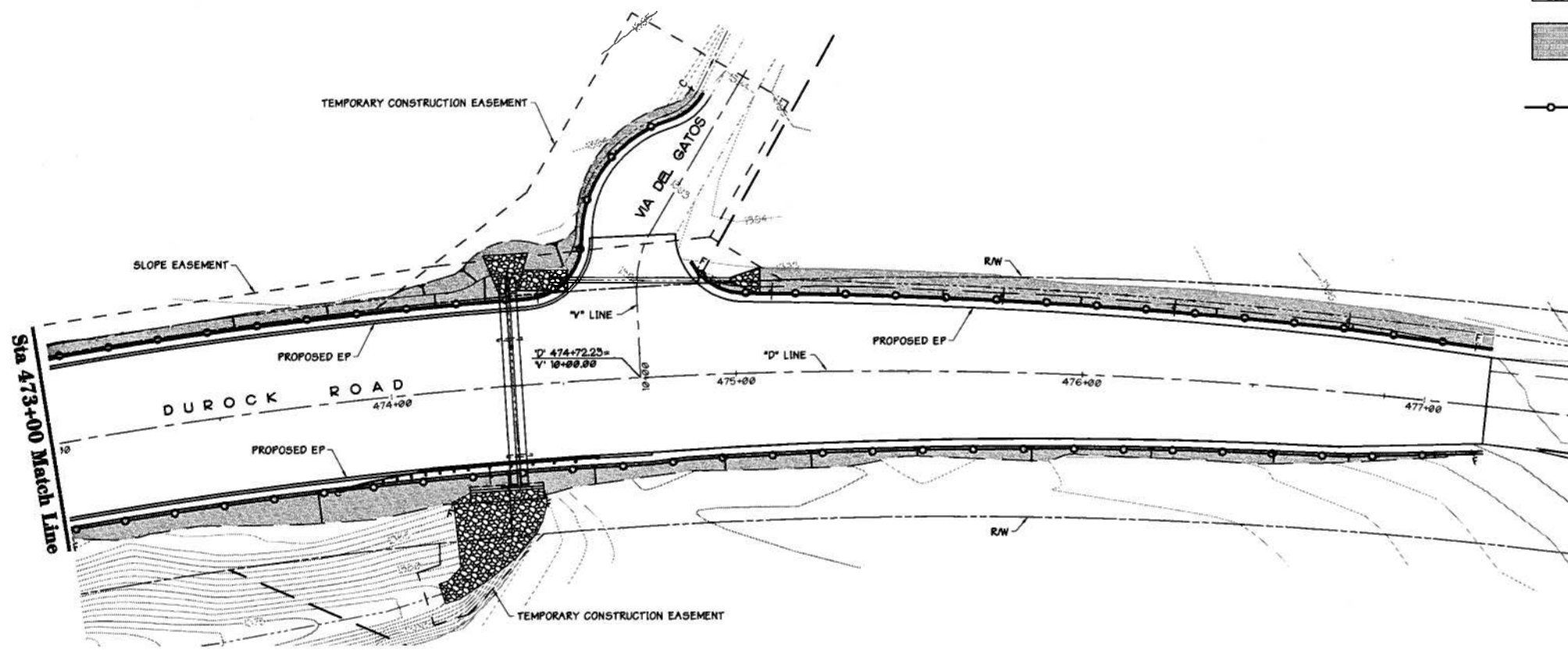


1 inch = 20 ft.



**Legend**

-  - SEED & STRAW ONLY
-  - SEED & STRAW INSTALLED PER SPECIAL PROVISIONS AND TURF REINFORCEMENT MAT INSTALLED PER MANUFACTURERS INSTRUCTIONS
-  - FIBER ROLL (10' SPACING BETWEEN ROWS WHERE APPLICABLE)



Revisions	DATE	BY

**DUROCK ROAD & BUSINESS DRIVE  
TRAFFIC SIGNAL & INTERSECTION WIDENING  
PERMANENT  
EROSION CONTROL PLAN**

COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION

Ownership Information:  
SUBMITTAL DATE: 05-14-10

DESIGNED: SAO	DATE:
DRAWN: LW	SCALE: AS SHOWN
DOB No:	
<b>EC-1</b>	
<b>20</b>	