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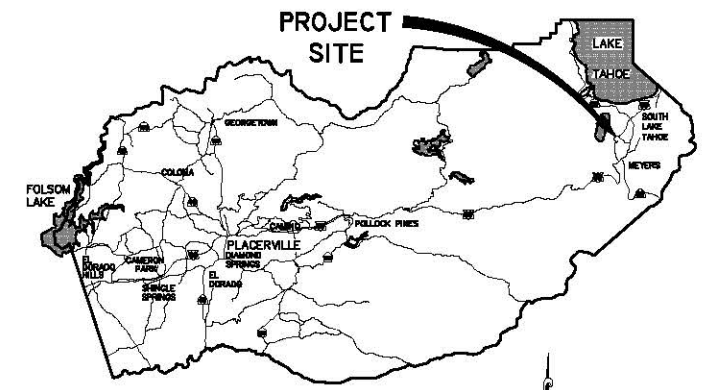
**COUNTY OF EL DORADO, CA  
DEPARTMENT OF TRANSPORTATION**

**PROJECT PLANS FOR THE CONSTRUCTION OF THE 2013**

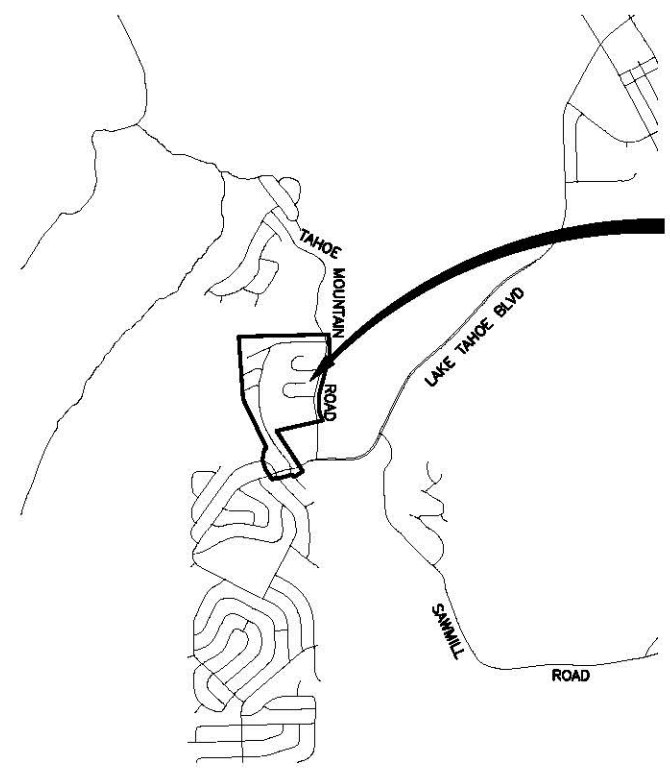
**BOULDER MOUNTAIN  
EROSION CONTROL PROJECT**

IN THE COUNTY OF EL DORADO, DISTRICT 5,  
MOUNTAIN VIEW ESTATES UNIT NOS. 7 AND 10, AND PORTION OF  
NORTHWEST 1/4 SECTION 18, T12N, R18E, MDM

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.



**VICINITY MAP**  
COUNTY OF EL DORADO



**LOCATION MAP**

SCALE: 1" = 2000'



**FUNDING AGENCIES**

USDA FOREST SERVICE

**BOARD OF SUPERVISORS**

I	RON "MIK" MIKULACO
II	RAYMOND J. NUTTING
III	BRIAN K. VEERKAMP
IV	RON V. BRIGOS
V	NORMA SANTIAGO

**COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION**

(530) 573-7900  
924 B EMERALD BAY RD  
LAKE TAHOE, CA 96150

**ADOPTED AND APPROVED BY:**

DATE	DATE	DATE
RON V. BRIGOS CHIEF, BOARD OF SUPERVISORS, COUNTY OF EL DORADO	DANIEL W. KIKKERT REGISTERED PROFESSIONAL ENGINEER COUNTY OF EL DORADO, DEPARTMENT OF TRANSPORTATION	STEVE P. KOONMAN, RCE NO. 55757 ACTING DEPUTY DIRECTOR OF ENGINEERING, COUNTY OF EL DORADO, DEPARTMENT OF TRANSPORTATION

CONTRACT NO. PW 13-30675, CIP NO. 95153

**BOULDER MOUNTAIN  
EROSION CONTROL PROJECT**

**TITLE SHEET**

SHEET 1 OF 21

SUBMITTED BY: DANIEL W. KIKKERT P.E.  
ACTING SENIOR CIVIL ENGINEER  
STATE OF CALIFORNIA NO. 70188

DATE

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

**REVISIONS**

MARK	DATE	BY



GENERAL NOTES

- 1. ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE COUNTY OF EL DORADO TRANSPORTATION DIVISION (DOT)...
- 2. CONSTRUCTION HOURS SHALL BE WEEKDAYS BETWEEN 8:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE COUNTY DOT.
- 3. THE LOCATIONS AND EXTENT OF EXISTING UNDERGROUND UTILITIES IN THE WORK AREA AS SHOWN ARE APPROXIMATE AND ARE NOT NECESSARILY COMPLETE...
- 4. UNLESS NOTED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS...
- 5. THE CONTRACTOR SHALL PROVIDE, PLACE, AND MAINTAIN ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE CONSTRUCTION AREA...
- 6. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT...
- 7. THERE SHALL BE NO GRADING OR LAND DISTURBANCE PERFORMED WITH RESPECT TO THE PROJECT BETWEEN OCTOBER 15 AND MAY 1 UNLESS PROPER APPROVALS ARE OBTAINED FROM THE TAHOE REGIONAL PLANNING AGENCY (TRPA)...
- 8. THE CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON THE JOB SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUPPLY TO THE COUNTY A SET OF PLANS, MARKED UP TO THE SATISFACTION OF THE COUNTY, REFLECTING THE AS-CONSTRUCTED MODIFICATIONS.
- 9. ALL CONTROL STATIONING AND DATA DIMENSIONING ARE REFERENCED TO THE CENTERLINE OF THE FACILITY SHOWN UNLESS OTHERWISE NOTED.
- 10. AT NO TIME SHALL THE CONTRACTOR UNDERTAKE TO CLOSE OFF ANY EXISTING UTILITY LINES OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF EXISTING WATER OR SEWER SYSTEMS WITHOUT PRIOR APPROVAL FROM THE SOUTH TAHOE PUBLIC UTILITY DISTRICT (STPUD)...
- 11. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM PREVENTIVE DUST CONTROL MEASURES TO ENSURE THAT DUST RESULTING FROM THE CONTRACTOR'S PERFORMANCE OF THE WORK IS CONTROLLED IN CONFORMANCE WITH THE PROVISIONS OF SECTION 7, "LEGAL RELATIONS AND RESPONSIBILITY," OF THE STANDARD SPECIFICATIONS, COUNTY, AND LOCAL ORDINANCES. SEE SPECIAL PROVISIONS REGARDING DUST AND TRACKING CONTROL AND SWEEPING REQUIREMENTS.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY EROSION CONTROL MEASURES. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES" AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP)...
- 13. CONSTRUCTION LIMITS SHOWN ON THE PLANS DELINEATE BOUNDARIES FOR THE CONTRACTOR'S OPERATIONS OUTSIDE THE COUNTY STREET RIGHT-OF-WAY. CONSTRUCTION LIMIT FENCING SHALL BE ERCTED ALONG THESE BOUNDARIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHIN THE CONSTRUCTION LIMITS, EXISTING VEGETATION SHALL BE PROTECTED TO THE EXTENT FEASIBLE. ALL EXISTING TREES SHALL BE PROTECTED UNLESS SHOWN ON THE PLANS TO BE REMOVED. SEE SPECIAL PROVISIONS REGARDING PAYMENT FOR TREE REMOVAL.
- 14. ALL REVEGETATION SHOWN ON THE PLANS IS TO BE COMPLETED BY OTHERS, UNLESS NOTED OTHERWISE.
- 15. THE CONTRACTOR SHALL USE ONLY DESIGNATED SPECIFIC SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
- 16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND HIS SUBCONTRACTOR(S) TO EXAMINE THE PROJECT SITE PRIOR TO THE OPENING OF BID PROPOSALS. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, SUCH AS THE NATURE AND LOCATION OF THE WORK AND THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE AFFECTING THE AVAILABILITY OF TRANSPORTATION, THE DISPOSAL, HANDLING, AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRICITY, ROADS, THE UNCERTAINTIES OF WEATHER, THE CONDITIONS OF THE GROUND, SURFACE AND SUBSURFACE MATERIALS, THE EQUIPMENT AND FACILITIES NEEDED PRIMARILY FOR AND DURING THE PERFORMANCE OF THE WORK, AND THE COSTS THEREOF. ANY FAILURE BY THE CONTRACTOR AND SUBCONTRACTOR(S) TO ACQUAINT HIMSELF WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
- 17. ELEVATIONS SHOWN ON THE PLANS FOR TBC, TG, IE, FS, ETC., ARE BASED UPON THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE DOT OF ANY DISCREPANCIES WHICH MIGHT AFFECT PROPER OPERATION OF THE NEW FACILITIES BEFORE BREAKING GROUND AND PRIOR TO FACILITY INSTALLATION. THE DOT SHALL BE CONTACTED IN THE EVENT ELEVATIONS ARE INCORRECT SO THAT THE PROPER ADJUSTMENTS CAN BE MADE PRIOR TO THE INSTALLATION OF THE FACILITIES.
- 18. THE CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS, LICENSES, INSURANCE POLICIES, ETC., NOT ALREADY OBTAINED BY DOT, AS MAY BE NECESSARY TO COMPLY WITH STATE AND LOCAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK. SEE SPECIAL PROVISIONS.
- 19. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE CONTRACT DOCUMENTS FOR ALL SUBMITTALS REQUIRED FOR COUNTY REVIEW AND ACCEPTANCE.
- 20. THE COUNTY WILL FURNISH THE CONSTRUCTION STAKING TO THE CONTRACTOR AS SET FORTH IN THE SPECIAL PROVISIONS.
- 21. THE LIMITS OF GRADING ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN GRADING LIMITS AS SHOWN ON THE PLANS, DETAILS, CROSS SECTIONS, AND AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR THE RAW EARTHWORK QUANTITIES ASSOCIATED WITH GRADING.

ABBREVIATIONS

NOTE: LOWER CASE TEXT WITHIN PLAN SET INDICATES EXISTING

Δ	DELTA = DEFLECTION ANGLE	LT	LEFT
A	ASPEN	LTB	LAKE TAHOE BLVD
AB	AGGREGATE BASE	LTD	LAKE TAHOE DATUM
ABAND	ABANDONED	MAT'L	MATERIAL
AC	ASPHALT CONCRETE	MISC	MISCELLANEOUS
ACS	ASPHALT CONCRETE SWALE	MOC	MID POINT ON CURVE
ACP	ASBESTOS CEMENT PIPE	MTN	MOUNTAIN
AP	ANGLE POINT	N	NORTH
APN	ASSESSOR'S PARCEL NUMBER	NEG	NEGLECTIBLE
APPVD	APPROVED	NIC	NOT IN CONTRACT
AV/AR	AIR VACUUM/AIR RELEASE VALVE	NTS	NOT TO SCALE
AVG	AVERAGE	OAE	NOT APPROVED EQUAL
BC	BEGIN CURVE	OC	ON CENTER
BCR	BEGIN CURB RETURN	OD	OUTSIDE DIAMETER
BGN	BEGIN	OH	OVERHEAD
BLVD	BOULEVARD	P	PINE
BO	BLOW OFF	PC	POINT OF BEGINNING OF CURVE
BP	BIKE PATH	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PERF	PERFORATED
BVCS	BEGIN VERTICAL CURVE STATION	PL	PROPERTY LINE
C	CEDAR	POCVCE	POINT OF COMPOUND VERTICAL CURVE ELEVATION
CALC'S	CALCULATIONS	POCVCS	POINT OF COMPOUND VERTICAL CURVE STATION
CC	CENTER TO CENTER	POR	PORTION
CF	CUBIC FEET OR CURB FACE	PORVCE	POINT OF REVERSE VERTICAL CURVE ELEVATION
CHD	CHORD DIRECTION	PORVCS	POINT OF REVERSE VERTICAL CURVE STATION
CIR	CIRCLE	PP	POWER/UTILITY POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CLF	CLASS OR CENTERLINE	PROP	PROPOSED
CLF	CONSTRUCTION LIMIT FENCE	PT	POINT OR POINT OF TANGENCY
CLR	CLEAR	PUE	PUBLIC UTILITY EASEMENT
CO	CURB OPENING OR CLEANOUT	PVC	POLYVINYL CHLORIDE
CO.	COUNTY	PVE	POINT OF VERTICAL INTERSECTION ELEVATION
CONC	CONCRETE	PVIS	POINT OF VERTICAL INTERSECTION STATION
CONST	CONSTRUCT	PVMT	PAVEMENT
CMP	CORRUGATED METAL PIPE	R	RADIUS
CT	CALTRANS OR COURT	R&R	REMOVE & REPLACE
CTC	CALIFORNIA TAHOE CONSERVANCY	RC	RELATIVE COMPACTION
CY	CUBIC YARD	RCP	REINFORCED CONCRETE PIPE
C&G	CURB AND GUTTER	RD	ROAD
D	DEPTH	REF	REFERENCE
DB	DRAIN BASIN	REQ'D	REQUIRED
DBL	DOUBLE	RLC	ROCK-LINED CHANNEL
DI	DETAIL	ROW	RIGHT-OF-WAY
DI	DRAINAGE INLET OR DUCTILE IRON	RR	RAILROAD
DIA OR Ø	DIAMETER	RSP	ROCK SLOPE PROTECTION
DISS	DISSIPATOR	RT	RIGHT
DR	DRIVE	S	SOUTH OR SANITARY SEWER
D/W	DRIVEWAY	SCO	SEWER CLEAN OUT
E	EAST	SD	STORM DRAIN
EA	EACH	SDMH	STORM DRAIN MANHOLE
EC	END OF CURVE	SEZ	STREAM ENVIRONMENT ZONE
ECR	END OF CURB RETURN	SF	SQUARE FEET
EG	EXISTING GRADE	SHT	SHEET
ELEV	ELEVATION	SL	SLOPE LENGTH
ELEC	ELECTRIC	SLJ	SLOPE LENGTH IN PAVEMENT
ENGR	ENGINEER	SLO	SLOPE LENGTH OUT OF PAVEMENT
EP	EDGE OF PAVEMENT	SMH	SEWER MANHOLE
ESMT	EASEMENT	ST	SEDIMENT TRAP OR STREET
EVCE	END VERTICAL CURVE ELEVATION	STA	STATION
EVCS	END VERTICAL CURVE STATION	STD	STANDARD
EX OR EXIST	EXISTING	STL	STEEL
F	FIR	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FES	FLARED END SECTION	STPUD	SOUTH TAHOE PUBLIC UTILITY DISTRICT
FF	FILTER FENCE	T	TELEPHONE
FG	FINISHED GRADE	TBC	TOP BACK OF CURB
FH	FIRE HYDRANT	TBD	TOP BACK OF DIKE
FL	FLOWLINE	TBM	TEMPORARY BENCHMARK
FS	FINISH SURFACE	TBR	TO BE REMOVED
G	GAS	TD	TOP OF DIKE
GA	GAUGE	TERM	TERMINAL
GB	GRADE BREAK	TG	TOP OF GRATE
GLS	GRASS-LINED SWALE	TRANS	TRANSITION
GV	GATE VALVE	TRM	TURF REINFORCEMENT MAT
GW	GROUND WATER	TRPA	TAHOE REGIONAL PLANNING AGENCY
H	HORIZONTAL	TTL	TOTAL
HDPE	HIGH DENSITY POLYETHYLENE	TW	TOP OF WALL
HP	HIGH POINT	TYP	TYPICAL
ID	INSIDE DIAMETER	UG	UNDERGROUND
IE	INVERT ELEVATION	UKN	UNKNOWN
INST	INSTALL	USFS	UNITED STATES FOREST SERVICE
INTRXN	INTERSECTION	V OR VERT	VERTICAL
JS	JUNCTION STRUCTURE	W	WEST OR WATER
L	LENGTH	W/	WITH
LC	LENGTH OF CHORD	W/O	WITHOUT
LF	LINEAR FEET	WC	WILLOW CLUSTER
LP	LOW POINT	WV	WATER VALVE

LEGEND

EXISTING		PROPOSED	
(SPOKE/END AND/OR DASHED)	EXISTING (AS NOTED)	---	CENTERLINE
---	RIGHT-OF-WAY OR PROPERTY LINE	---	SAWCUT (AS NOTED)
---	LAND CAPABILITY BOUNDARY	---	AC PAVEMENT
---	10' SEZ SETBACK	---	AC REMOVE
○	ROCK	XXXX.XX	ELEVATION
○	FOUND MONUMENT	XXXXXX	ELEVATION, EG CL, PROPOSED (PROFILE ONLY)
△	SURVEY CONTROL POINT	○	SEDIMENT TRAP
XXXX.X	ELEVATION	---	SD PIPE, (MATERIAL AS NOTED)
○	SEWER MANHOLE	---	FLARED END SECTION
○	SEWER CLEAN OUT	---	DETAIL REF NUMBER SHEET NUMBER
---	DRAINAGE INLET	---	ROCK
---	SEDIMENT TRAP OR SD MANHOLE	△/4	ONE-QUARTER DELTA
---	GAS METER	FF-CLF-	FILTER FENCE OR CONSTRUCTION LIMIT FENCE
---	WATER VALVE	#:#	SLOPE RATIO, H:V
---	WATER METER	---	ROCK-LINED CHANNEL OR GRASS-LINED SWALE
---	MONITORING WELL	---	FLOWLINE
---	WATER LINE	---	CUT
---	SEWER LINE	---	FILL
---	GAS LINE	---	
---	STORM DRAIN	---	
---	OVERHEAD UTILITIES	---	
---	UNDERGROUND TELEPHONE	---	
---	UNDERGROUND ELECTRIC	---	
---	POWER/UTILITY POLE	---	
---	UTILITY POLE & GUY ANCHOR	---	
---	FIRE HYDRANT	---	
---	FENCE	---	
---	FLOWLINE	---	
---	TREE, DIAMETER AND TYPE	---	
---	STUMP	---	
---	WILLOW CLUSTER	---	

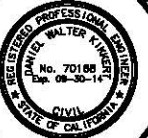
UTILITIES

CABLE TELEVISION	CHARTER COMMUNICATIONS, (775) 588-1077
NATURAL GAS	SOUTHWEST GAS, (530) 543-3225
ELECTRIC	LIBERTY UTILITIES, (530) 541-6400
SEWER & WATER	SOUTH TAHOE PUD, (530) 544-6474
TELEPHONE	AT&T, (530) 888-2031
STORM DRAIN	COUNTY OF EL DORADO, COMMUNITY DEVELOPMENT AGENCY, TRANSPORTATION DIVISION (530) 573-3180

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

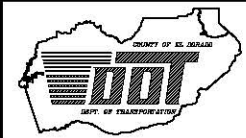
REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
REGISTERED CIVIL ENGINEER  
DATE: 04/10/2013

DESIGNED: ALD  
DRAWN: ALD  
CHECKED: DWK  
DATE: 04/2013  
ROAD NUMBER: ---



COUNTY OF EL DORADO  
DEPARTMENT OF TRANSPORTATION

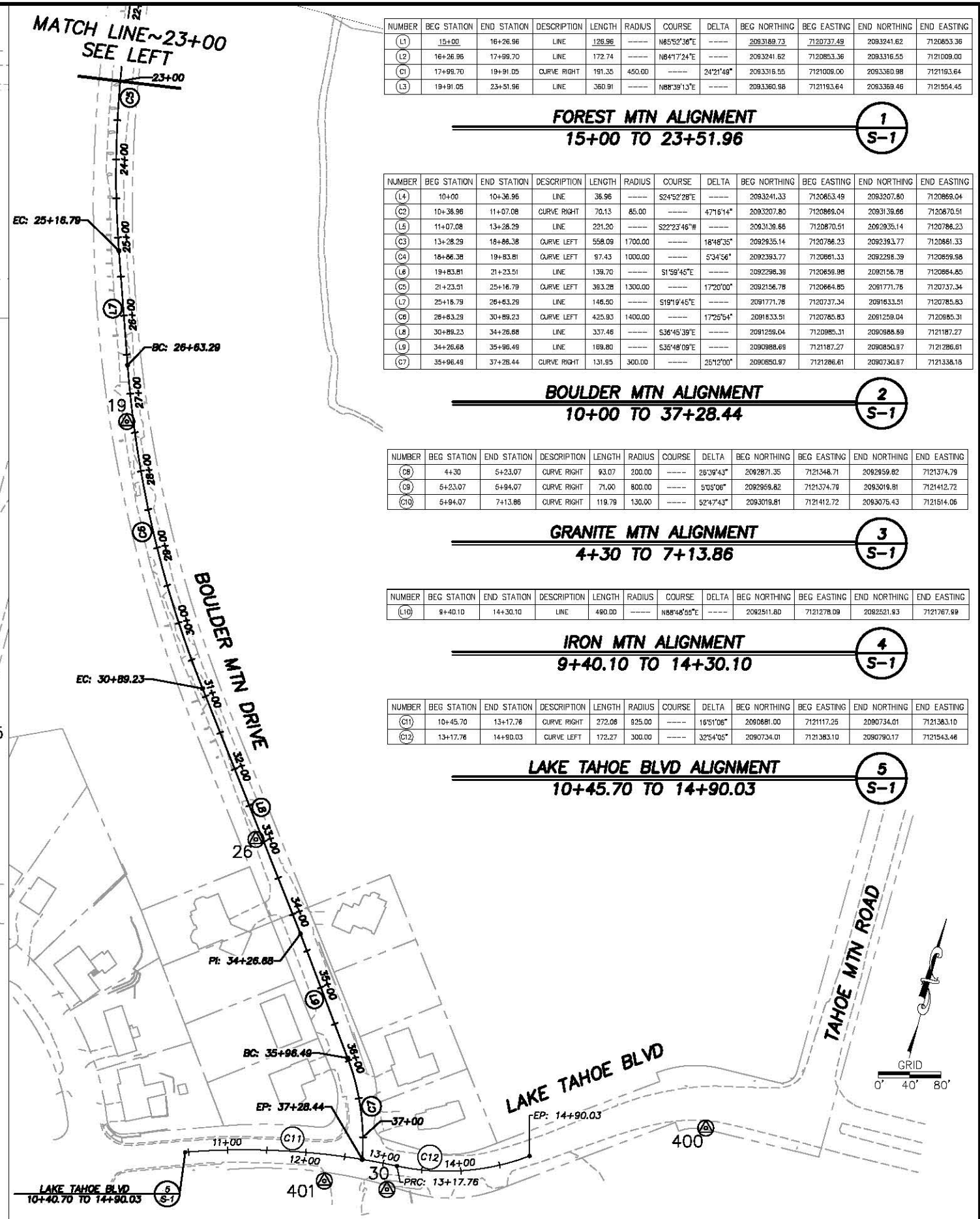
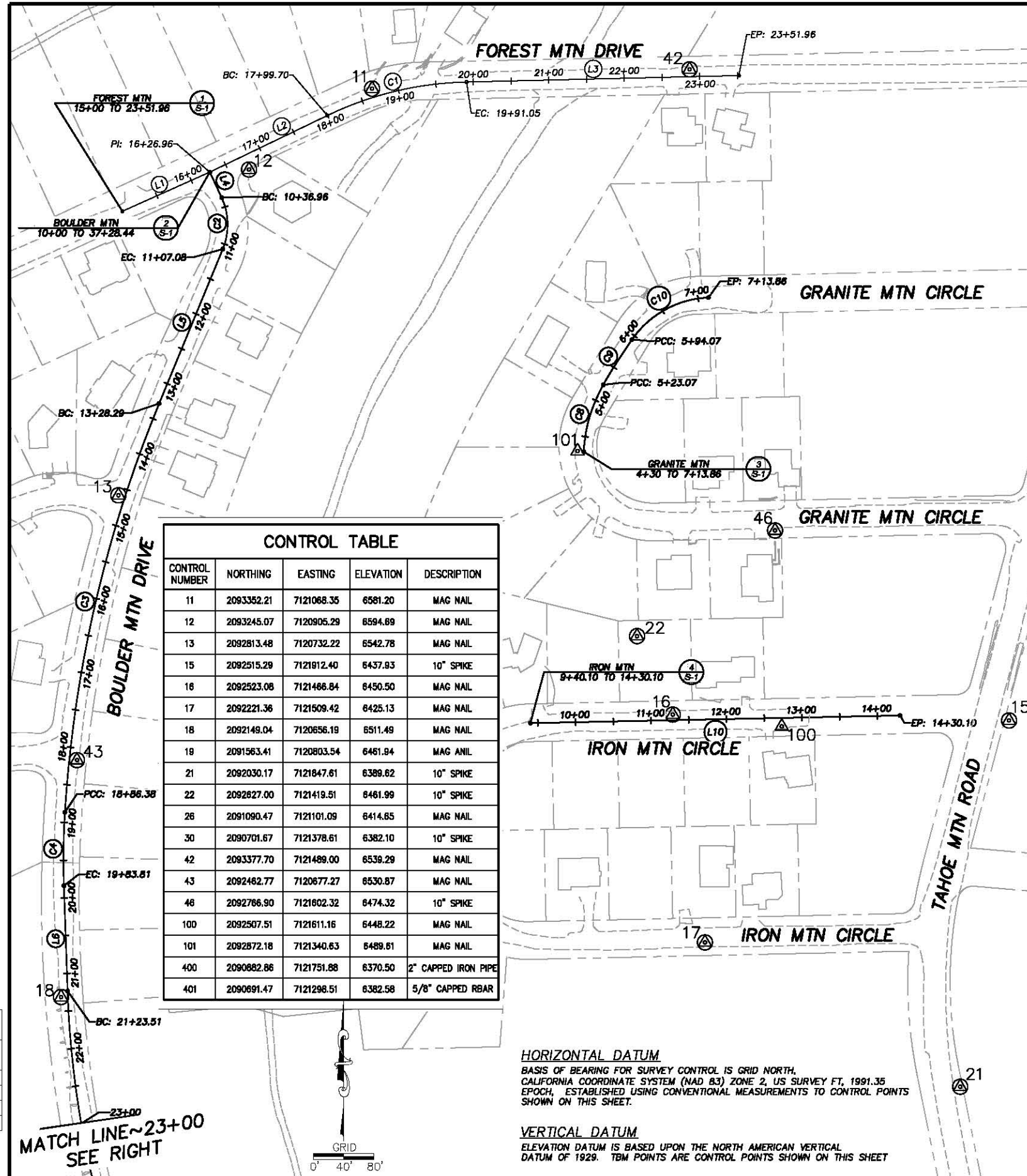
Boulder Mountain ECP  
GENERAL NOTES, ABBREVIATIONS,  
AND LEGEND

SHEET ii  
2 of 21  
CONTRACT NO. PW 13-30675  
CIP NO. 95153





ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS  
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CONTROL TABLE				
CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
11	2093352.21	7121068.35	6581.20	MAG NAIL
12	2093245.07	7120905.29	6594.89	MAG NAIL
13	2092813.48	7120732.22	6542.78	MAG NAIL
15	2092515.29	7121912.40	6437.93	10" SPIKE
16	2092523.08	7121466.84	6450.50	MAG NAIL
17	2092221.36	7121509.42	6425.13	MAG NAIL
18	2092149.04	7120656.19	6511.49	MAG NAIL
19	2091563.41	7120803.54	6461.94	MAG ANIL
21	2092030.17	7121847.61	6389.62	10" SPIKE
22	2092627.00	7121419.51	6461.99	10" SPIKE
26	2091090.47	7121101.09	6414.85	MAG NAIL
30	2090701.67	7121378.61	6382.10	10" SPIKE
42	2093377.70	7121489.00	6539.29	MAG NAIL
43	2092462.77	7120677.27	6530.87	MAG NAIL
46	2092766.90	7121602.32	6474.32	10" SPIKE
100	2092507.51	7121611.16	6448.22	MAG NAIL
101	2092872.18	7121340.83	6489.61	MAG NAIL
400	2090882.86	7121751.88	6370.50	2" CAPPED IRON PIPE
401	2090691.47	7121298.51	6382.58	5/8" CAPPED RBAR

**HORIZONTAL DATUM**  
 BASIS OF BEARING FOR SURVEY CONTROL IS GRID NORTH.  
 CALIFORNIA COORDINATE SYSTEM (NAD 83) ZONE 2, US SURVEY FT, 1991.35  
 EPOCH, ESTABLISHED USING CONVENTIONAL MEASUREMENTS TO CONTROL POINTS  
 SHOWN ON THIS SHEET.

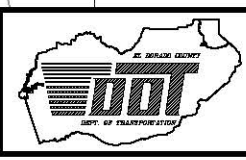
**VERTICAL DATUM**  
 ELEVATION DATUM IS BASED UPON THE NORTH AMERICAN VERTICAL  
 DATUM OF 1929. TBM POINTS ARE CONTROL POINTS SHOWN ON THIS SHEET

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
**Lisa A. Manano**  
 PROFESSIONAL LAND SURVEYOR  
 March 08, 2013

DESIGNED: KIS  
 DRAWN: KIS  
 CHECKED: LAM  
 DATE: 03/2013  
 ROAD NUMBER: ---



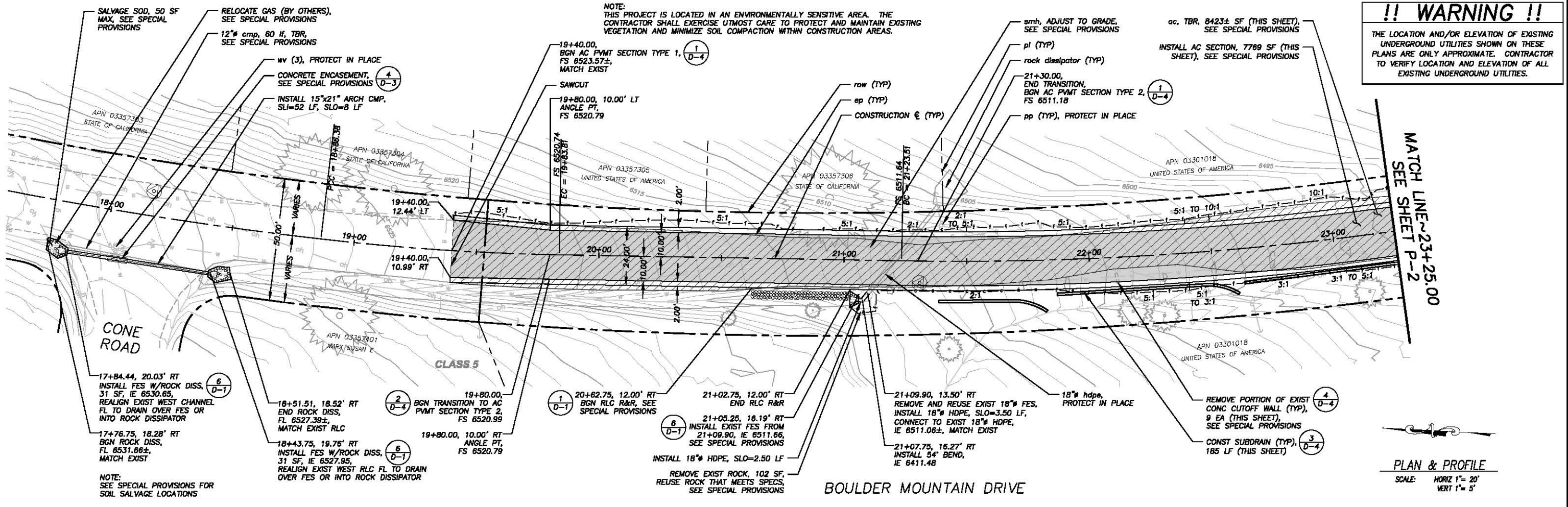
EL DORADO COUNTY  
 DEPARTMENT OF TRANSPORTATION

BOULDER MOUNTAIN ECP  
 ALIGNMENT DATA AND  
 SURVEY CONTROL

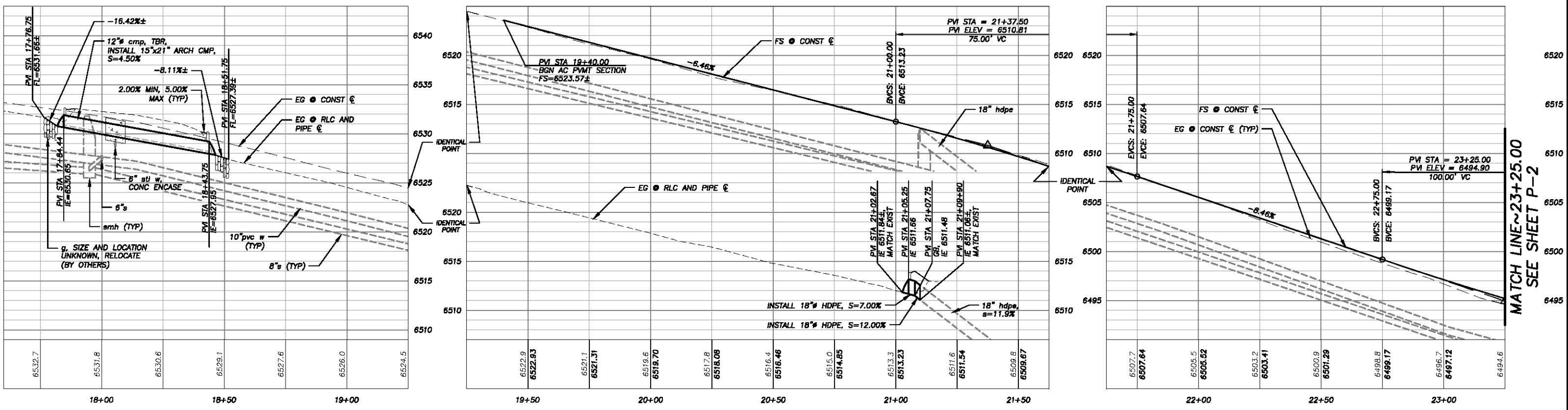
SHEET  
**SC-1**  
 4 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**



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 FOR REDUCED PLANS  
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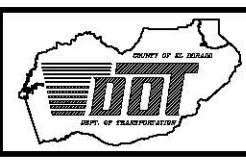


**PLAN & PROFILE**  
 SCALE: HORIZ 1" = 20'  
 VERT 1" = 5'



PREPARED UNDER THE SUPERVISION OF:  
 [Signature]  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---

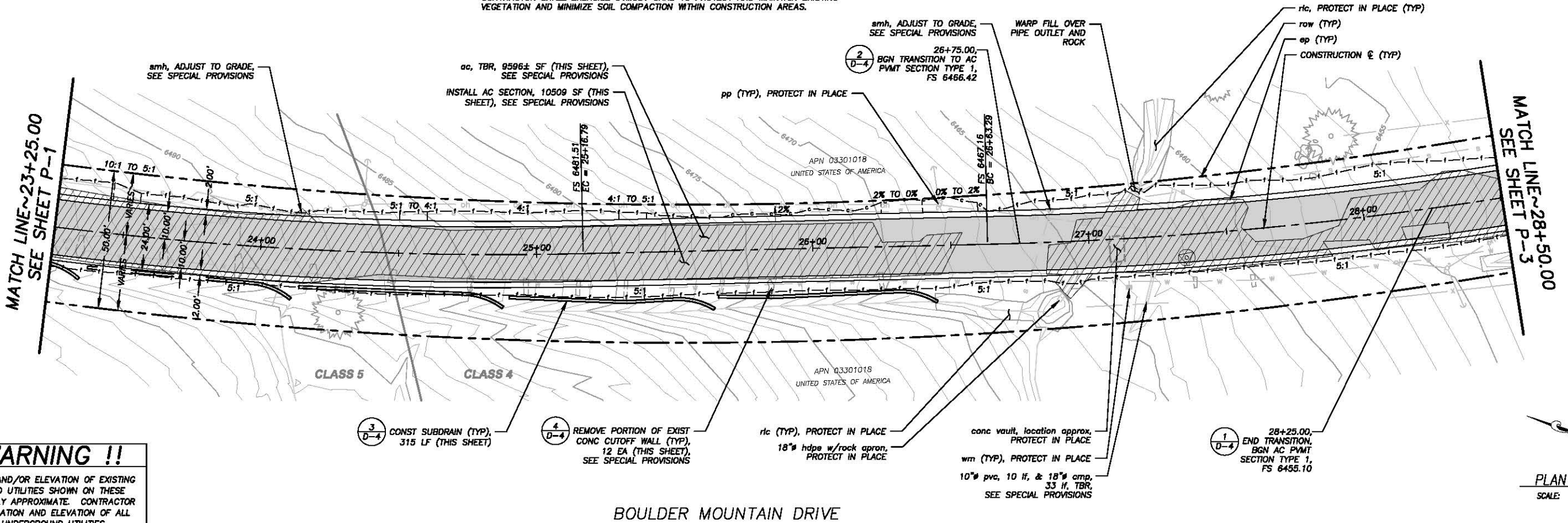


**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**BOULDER MOUNTAIN DRIVE**  
**PLAN AND PROFILE**  
 STA 17+60.00 TO STA 23+25.00

SHEET  
**P-1**  
 5 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

NOTE:  
THIS PROJECT IS LOCATED IN AN ENVIRONMENTALLY SENSITIVE AREA. THE CONTRACTOR SHALL EXERCISE UTMOST CARE TO PROTECT AND MAINTAIN EXISTING VEGETATION AND MINIMIZE SOIL COMPACTION WITHIN CONSTRUCTION AREAS.

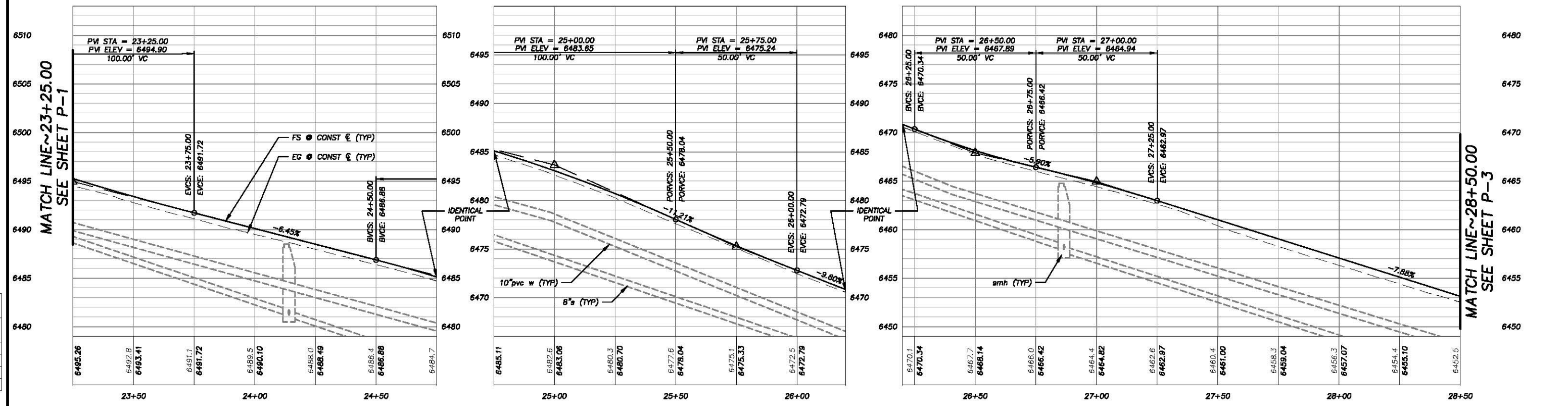


**!! WARNING !!**  
THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

**BOULDER MOUNTAIN DRIVE**

PLAN & PROFILE  
SCALE: HORIZ 1"= 20'  
VERT 1"= 5'

DRAWING NAME: \\D:\2\10-Stations\Boulder Mountain Drive\11-3011\_3D PROJECTS\9153\Engineering\PLAN\9153\_BM\_P-2.dwg Layout Tab: P-2 Apr 11, 2013 - 3:13pm T:\admin\... ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

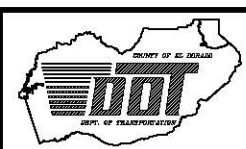


REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
*[Signature]*  
REGISTERED CIVIL ENGINEER  
DATE: 04/10/2013

DESIGNED: ALD  
DRAWN: ALD  
CHECKED: DWK  
DATE: 04/2013  
ROAD NUMBER: ---



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**BOULDER MOUNTAIN DRIVE**  
**PLAN AND PROFILE**  
**STA 23+25.00 TO STA 28+50.00**

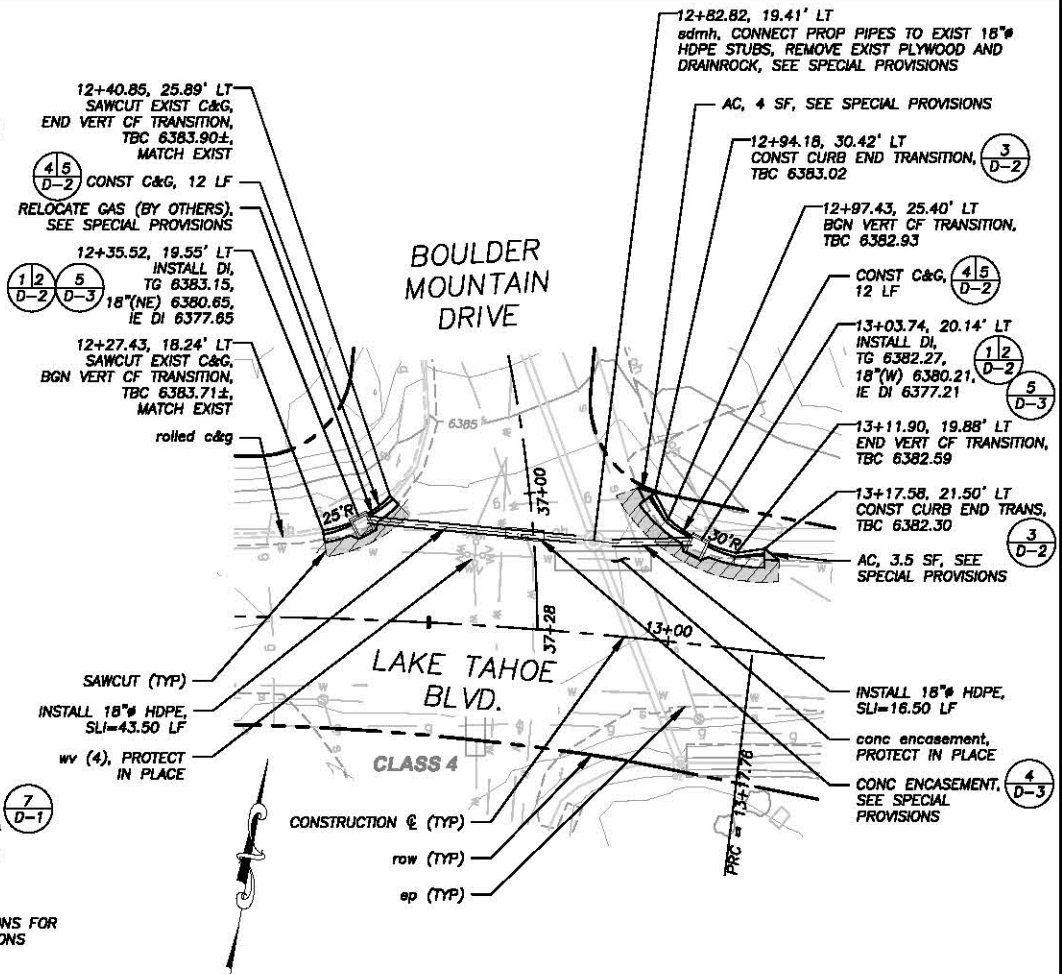
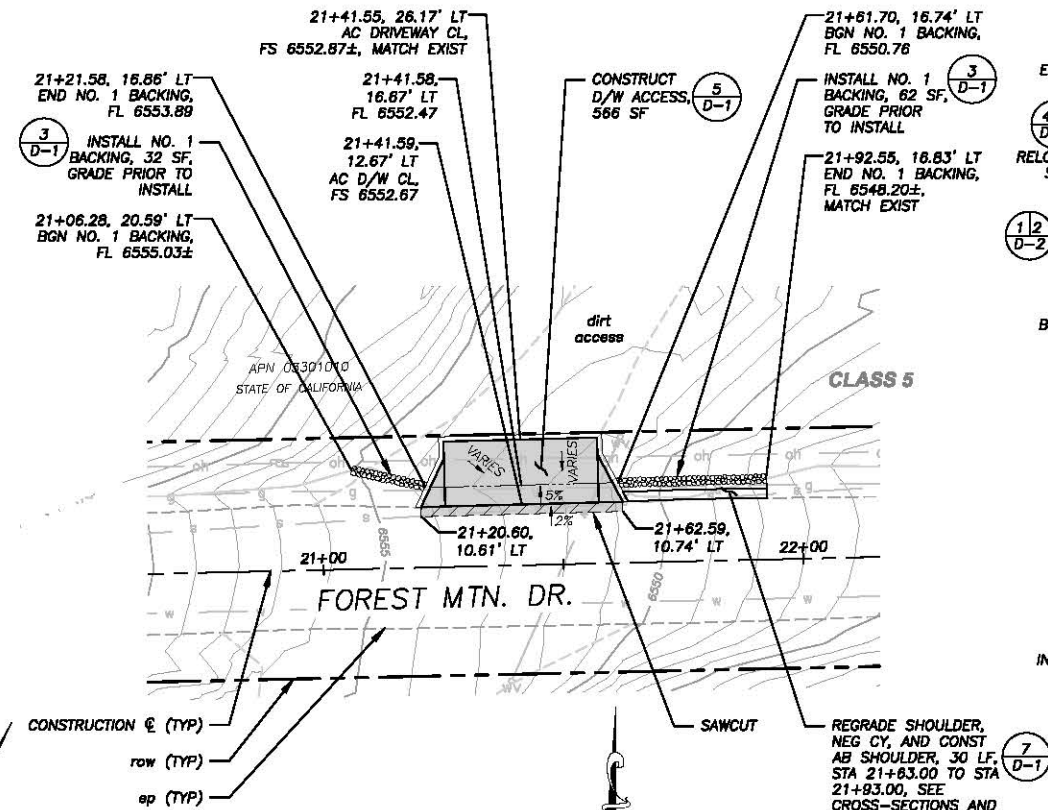
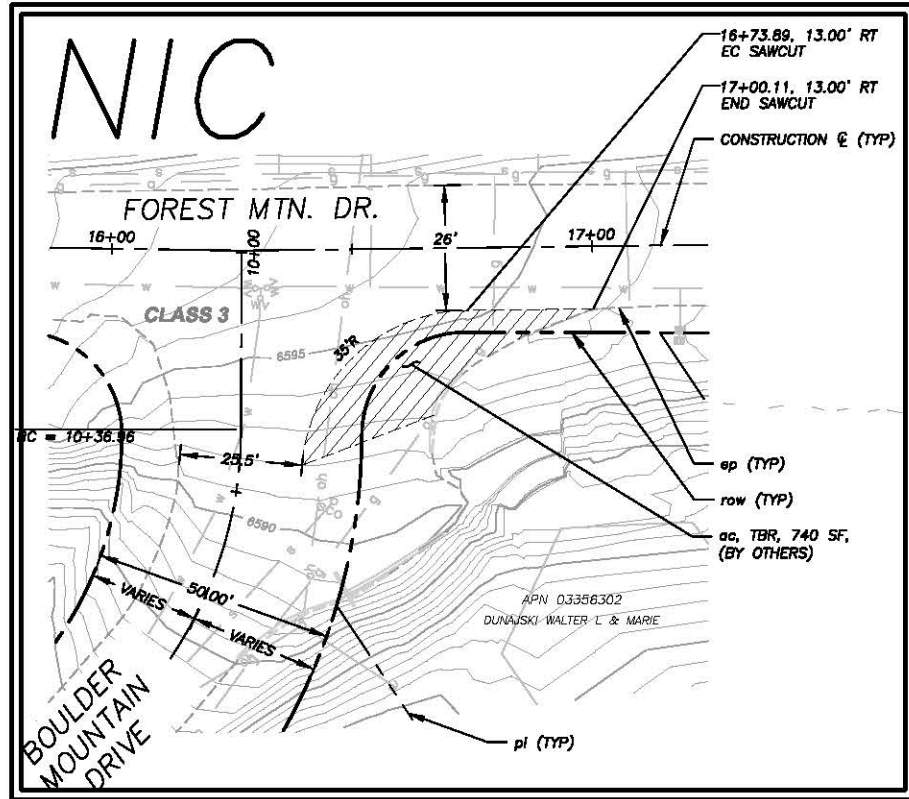
SHEET  
**P-2**  
6 of 21  
CONTRACT NO.  
**PW 13-30675**  
CIP NO.  
**95153**







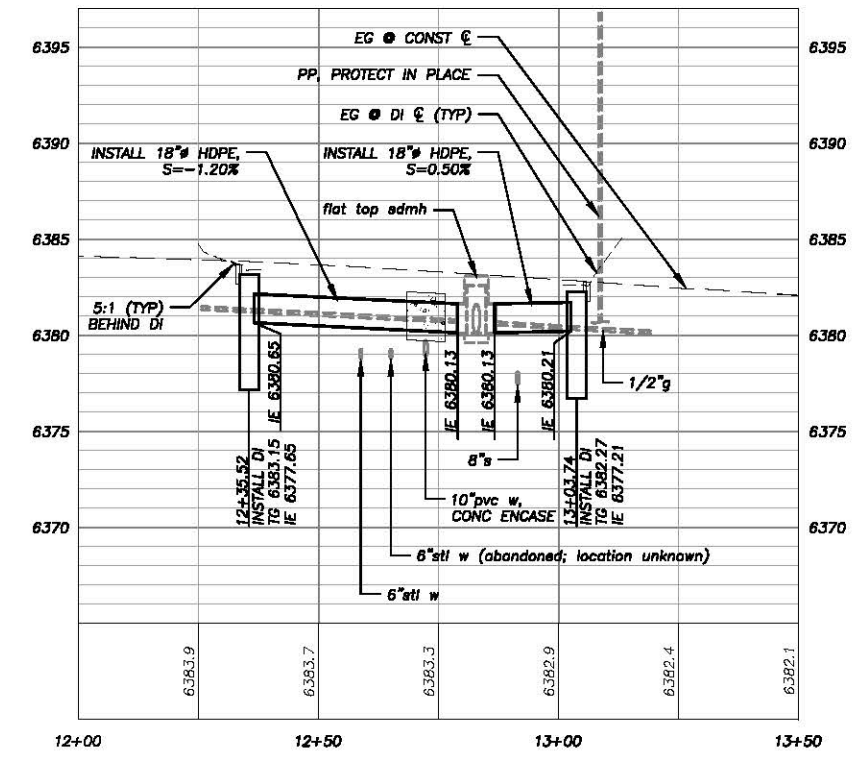
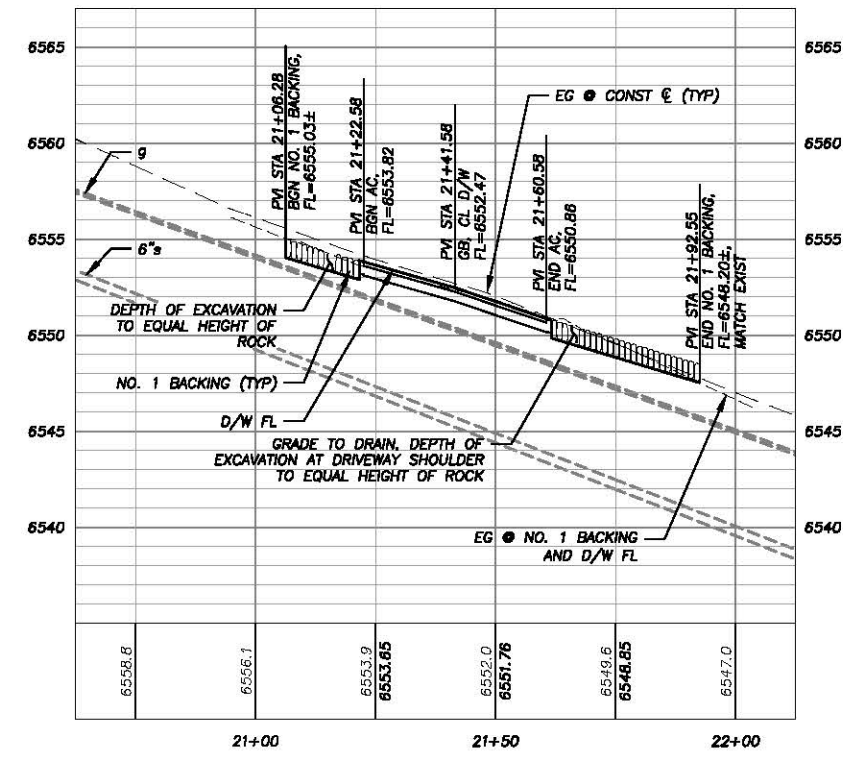
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 ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS



**PLAN & PROFILE**  
 SCALE: HORIZ 1" = 20'  
 VERT 1" = 5'

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

NOTE:  
 THIS PROJECT IS LOCATED IN AN ENVIRONMENTALLY SENSITIVE AREA. THE CONTRACTOR SHALL EXERCISE UTMOST CARE TO PROTECT AND MAINTAIN EXISTING VEGETATION AND MINIMIZE SOIL COMPACTION WITHIN CONSTRUCTION AREAS.

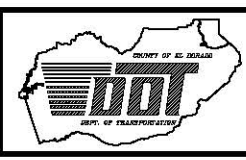


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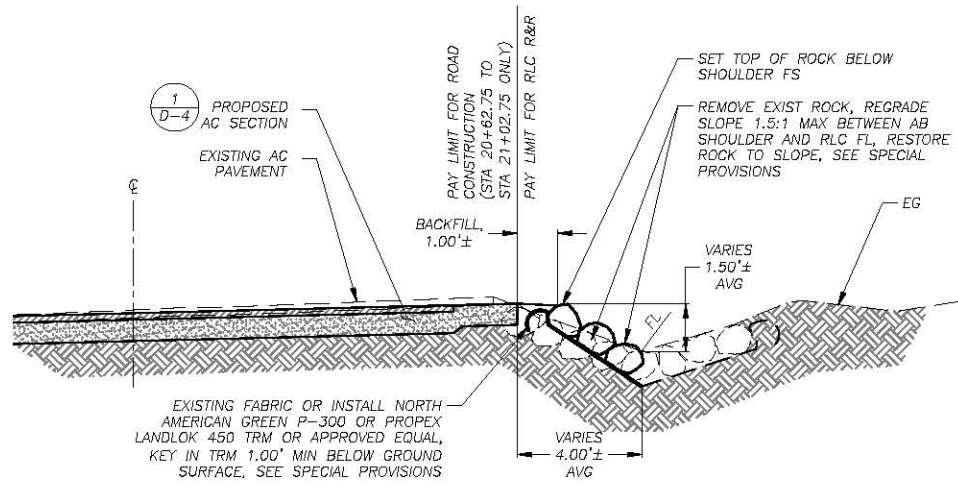
COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION

BOULDER MOUNTAIN ECP  
 FOREST MOUNTAIN DR. AND LAKE  
 TAHOE BLVD. PLAN AND PROFILE  
 STA 16+50.00±, STA 21+40.00±, STA 12+70.00±

SHEET  
**P-4**  
 B OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**



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 FOR REDUCED PLANS

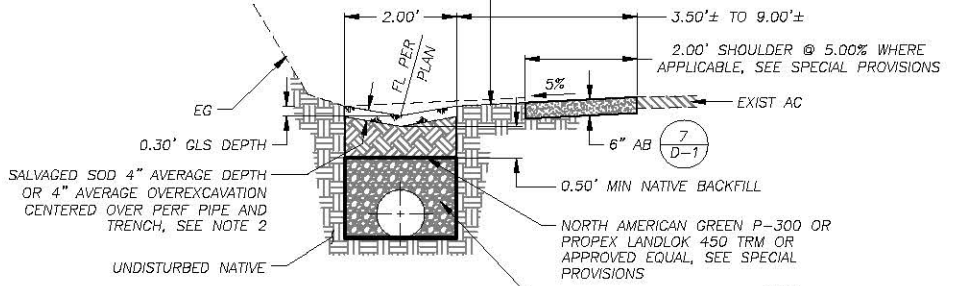


- NOTES:
- SEE SPECIAL CONDITIONS FOR TRM PLACEMENT IF EXISTING FABRIC CANNOT BE REUSED.
  - SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**ROCK-LINED CHANNEL R&R**

1  
D-1

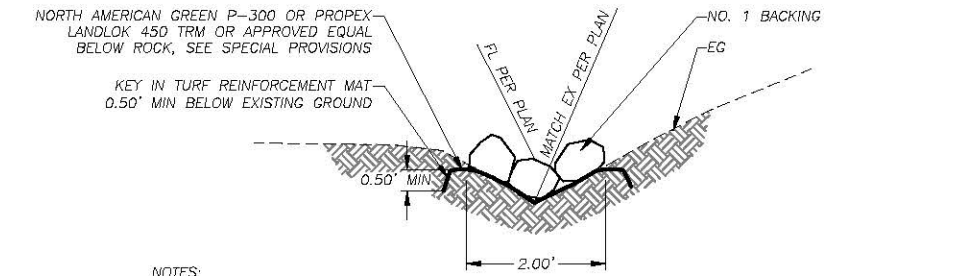
REGRADED SHOULDER @ 5.00%, PLACE SALVAGED SOD (IRON MTN. STA 10+35 TO STA 11+52 AND STA 12+33 TO STA 12+50) OR SEED (IRON MTN. STA 12+50 TO STA 13+42), SEE REVEG PLAN AND SPECIAL PROVISIONS



- NOTES:
- FOR LOCATIONS WHERE GLS IS OVER NATIVE AND NOT OVER THE PIPE TRENCH, PLACE TRM UNDER SOD LAYER.
  - IF SOD SALVAGE QUANTITIES ARE LIMITED, SWALE BANKS TO BE LINED WITH PROPAGATED SOD (BY OTHERS) OVER 3" TOPSOIL MIX BY CONTRACTOR, SEE SPECIAL PROVISIONS.
  - SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**SALVAGE SOD GRASS-LINED SWALE**

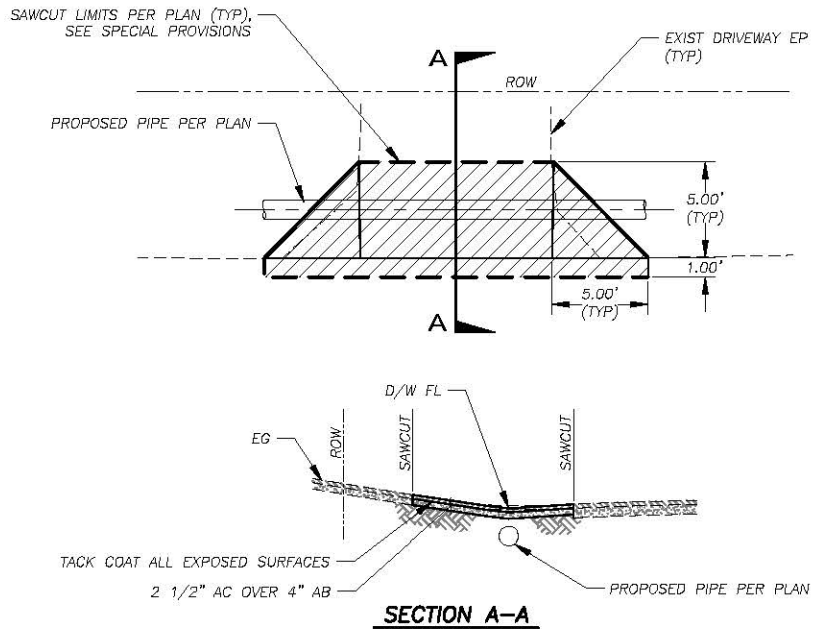
2  
D-1



- NOTES:
- EXCAVATION WILL BE REQUIRED FOR THE NO. 1 BACKING ON SHEET P-4 OF THE PLANS.
  - FL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON AN 8" ROCK HEIGHT. IF LARGER ROCK IS USED, ACTUAL ELEVATIONS MAY VARY FROM THAT SHOWN ON THE PLANS.
  - SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**NO. 1 BACKING**

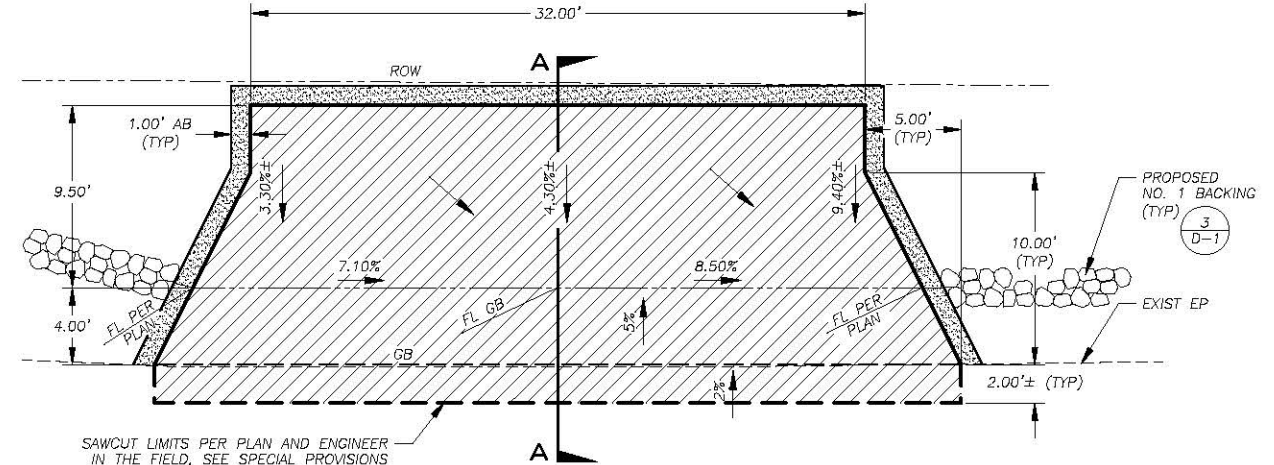
3  
D-1



- NOTE:
- SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**DRIVEWAY R&R**

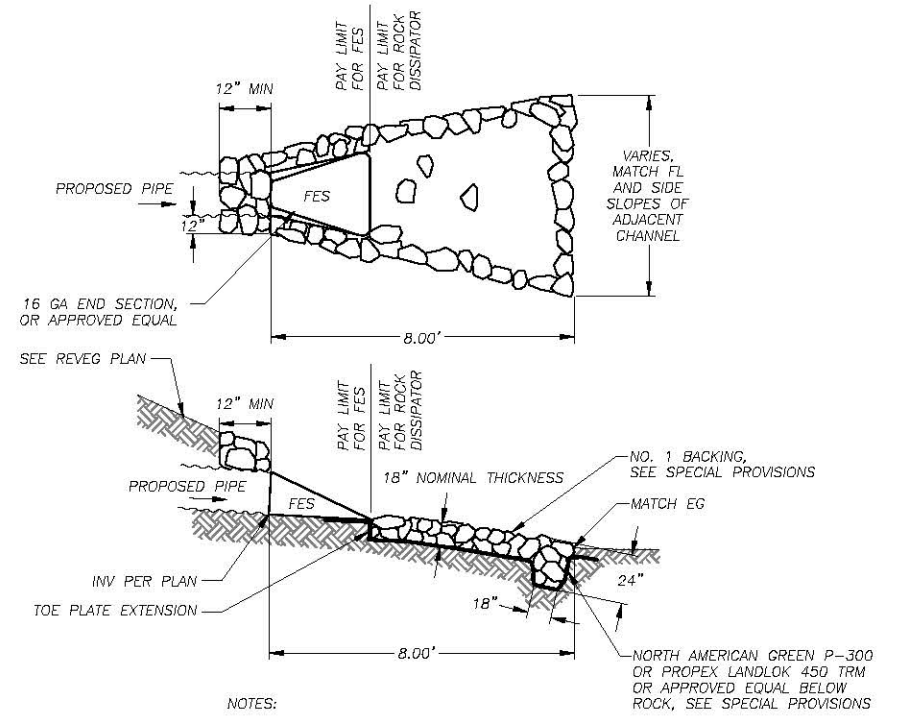
4  
D-1



- NOTE:
- SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**DRIVEWAY ACCESS**

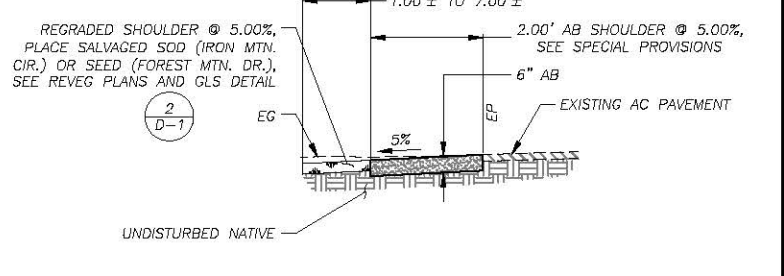
5  
D-1



- NOTES:
- ALL FES SHALL BE GALVANIZED.
  - SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

**FES WITH ROCK DISSIPATOR**

6  
D-1



- NOTE:
- SEE SPECIAL PROVISIONS FOR SUBGRADE REQUIREMENTS.

**AB SHOULDER**

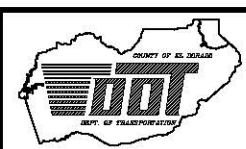
7  
D-1

REVISION	NUMBER	DATE	DESCRIPTION	BY



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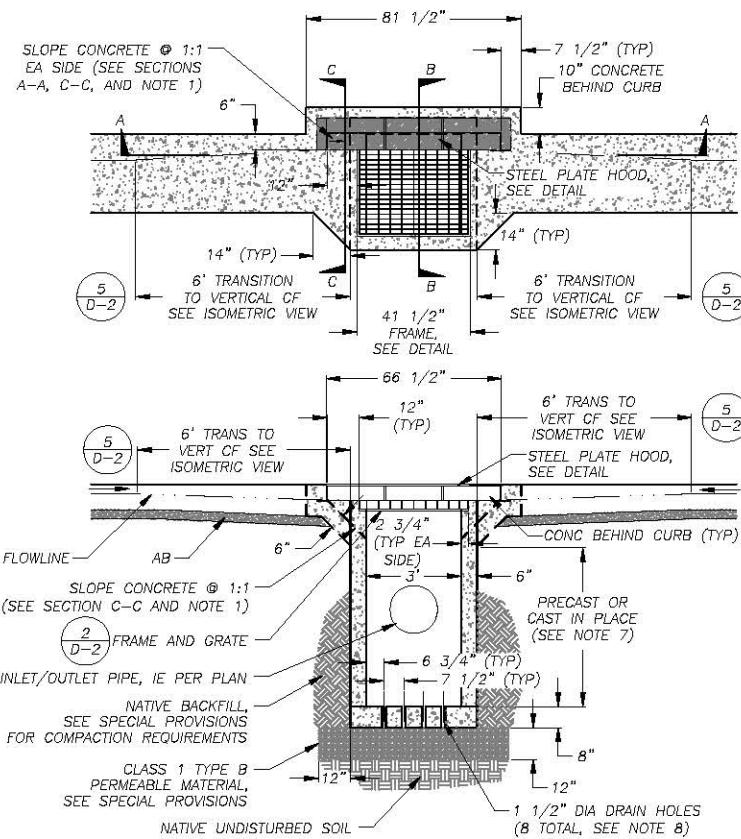
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**DETAIL SHEET**

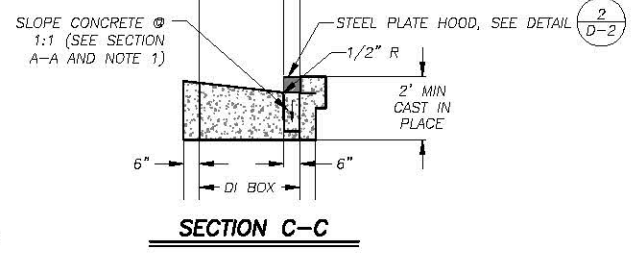
SHEET  
**D-1**  
 10 of 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**



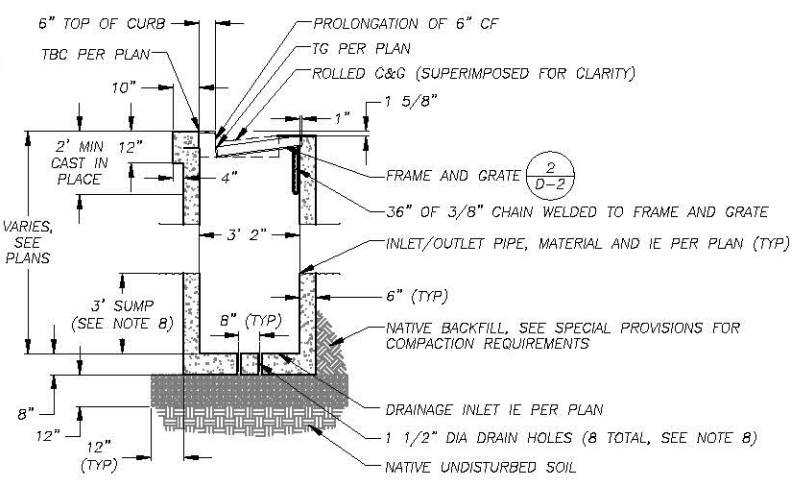
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 ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS



**SECTION A-A**



**SECTION C-C**

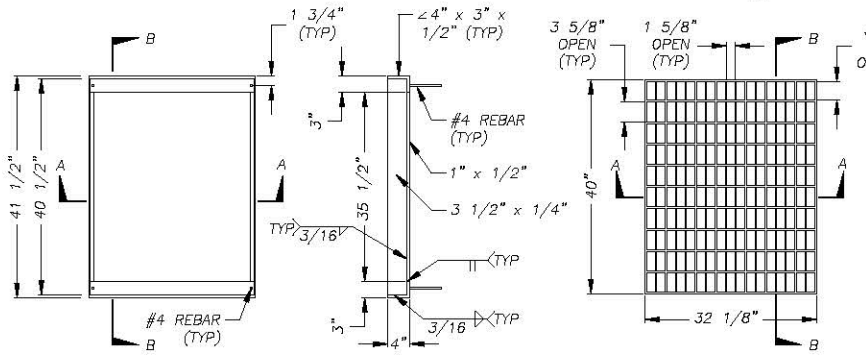


**SECTION B-B**

**DRAINAGE INLET**

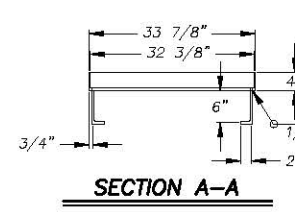
NTS

1  
D-2



**SECTION B-B**

**SECTION B-B**

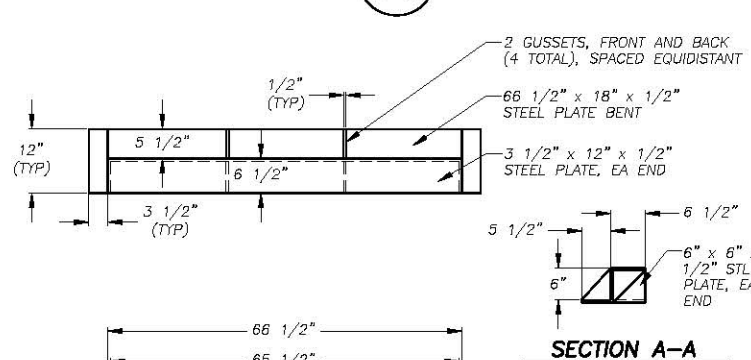


**SECTION A-A**

**SECTION A-A**

**FRAME**

**GRATE**



**SECTION A-A**

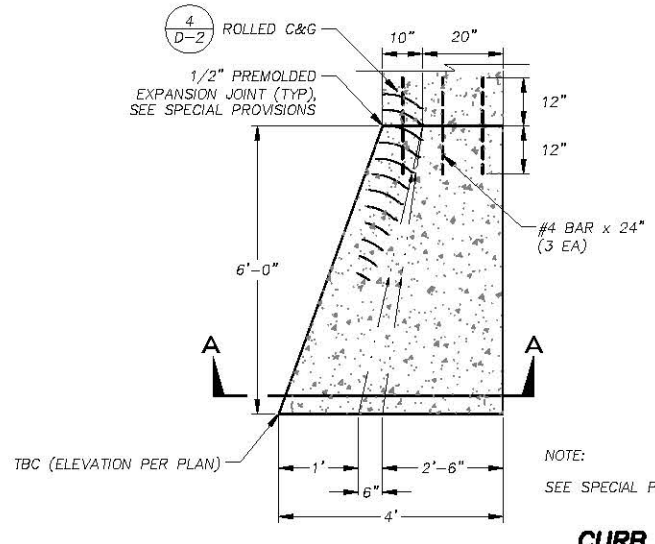
**STEEL PLATE HOOD**

**DRAINAGE INLET FRAME, GRATE, & HOOD**

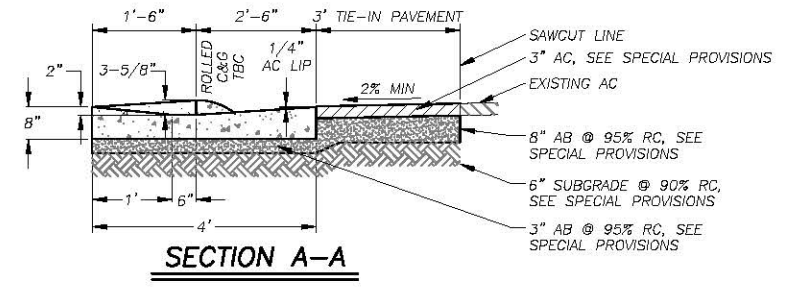
NTS

2  
D-2

- DRAINAGE INLET NOTES:**
1. THE 1:1 SLOPED CONCRETE SECTION IS TO BE POSITIONED ON THE UP SLOPE SIDE OF THE DRAINAGE INLET. AT SAG LOCATIONS THE 1:1 SLOPED CONCRETE SECTION IS TO BE ON BOTH SIDES OF THE DRAINAGE INLET.
  2. DEPRESS GUTTER FLOWLINE FROM 3 5/8" TO 6", AS MEASURED FROM TBC, PER 6' CURB TRANSITION DETAIL.
  3. FLOOR OF THE DRAINAGE INLET SHALL BE PLACED PRIOR TO OR AT THE SAME TIME AS THE SIDE WALLS, OR TIED WITH REBAR.
  4. FRAME AND GRATE SHALL CONFORM TO THE FRAME AND GRATE DETAIL ON THE PLANS, D&L 1-3542, OR EQUAL.
  5. DRAINAGE INLET HOOD SHALL BE 1/2" MINIMUM THICKNESS STEEL PLATE.
  6. WALL REINFORCING (NOT SHOWN) SHALL BE #4 BARS @ 18" OC EACH WAY, PLACED 1 1/2" CLEAR FROM INSIDE OF BOX. INLET BOTTOM REINFORCING NOT REQUIRED EXCEPT AS NOTED IN NOTE 3, ABOVE.
  7. A PRECAST UNIT WITH CAST-IN-PLACE TOP SECTION TO RECEIVE GRATE, FRAME AND HOOD WILL BE AN ACCEPTABLE ALTERNATIVE TO CAST-IN-PLACE UNITS. DRAINAGE INLETS THAT ARE ENTIRELY PRECAST ARE NOT ACCEPTABLE. CAST-IN-PLACE TOP SECTIONS SHALL BE DOWELED INTO THE CURB AND GUTTER WITH 3-#4 BARS, 18" LONG, ON EACH SIDE OF DRAINAGE INLET.
  8. WHEN DIRECTED BY ENGINEER, DRAINAGE INLET IE SHALL EQUAL IE OF OUTLET PIPE. CONTRACTOR TO SLOPE DRAINAGE INLET FLOOR TO DRAIN AND OMIT HOLES.



**SECTION 4 D-2**

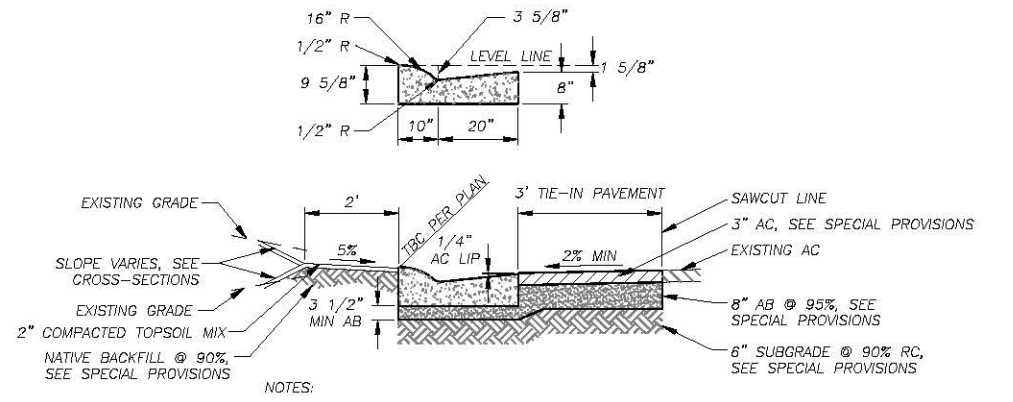


**SECTION A-A**

**CURB END TRANSITION**

NTS

3  
D-2

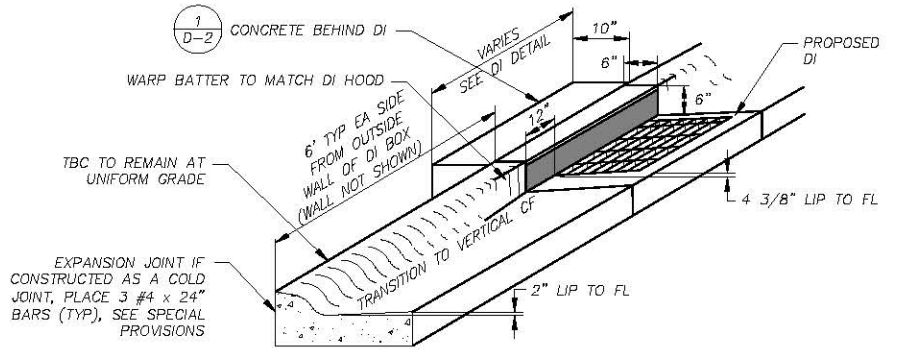


**ROLLED CURB AND GUTTER**

NTS

4  
D-2

- NOTES:**
1. WHERE R&R CURB: DRILL, DOWEL, AND EPOXY 3-#4 x 24" BARS INTO EXISTING CURB AND GUTTER.
  2. SEE SPECIAL PROVISIONS FOR CONCRETE, ASPHALT CONCRETE, AND SUBGRADE REQUIREMENTS.



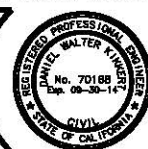
**SECTION 1 D-2**

**CURB TRANSITION TO DI**

NTS

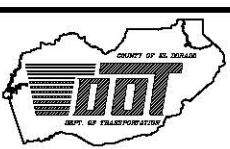
5  
D-2

- NOTE:**
- SEE SPECIAL PROVISIONS FOR SUBGRADE REQUIREMENTS.



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 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---

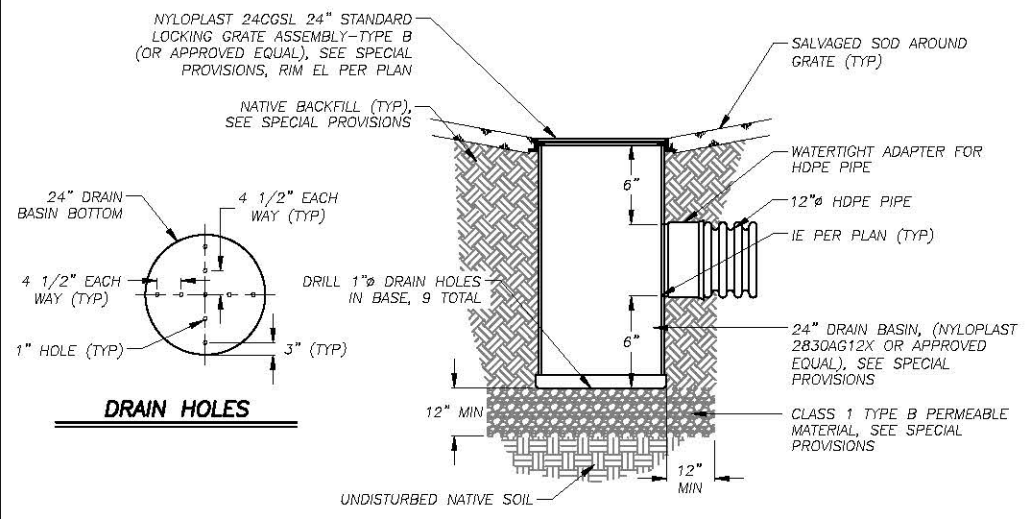


**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**DETAIL SHEET**

SHEET  
**D-2**  
 11 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

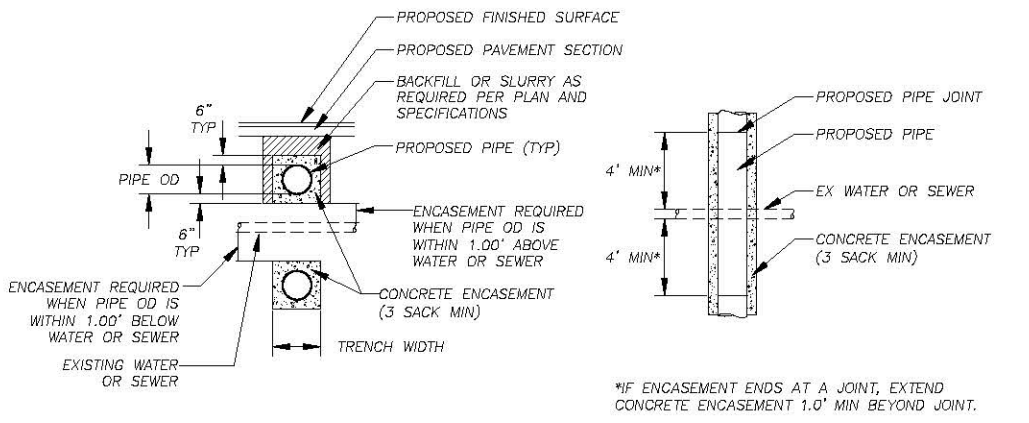
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 ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS



NOTE:  
SEE SPECIAL PROVISIONS FOR COMPACTION REQUIREMENTS.

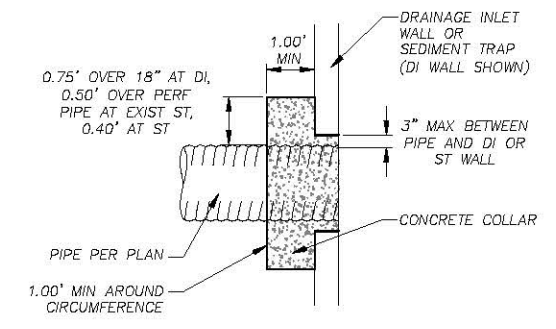
**24" DRAIN BASIN**

1  
D-3



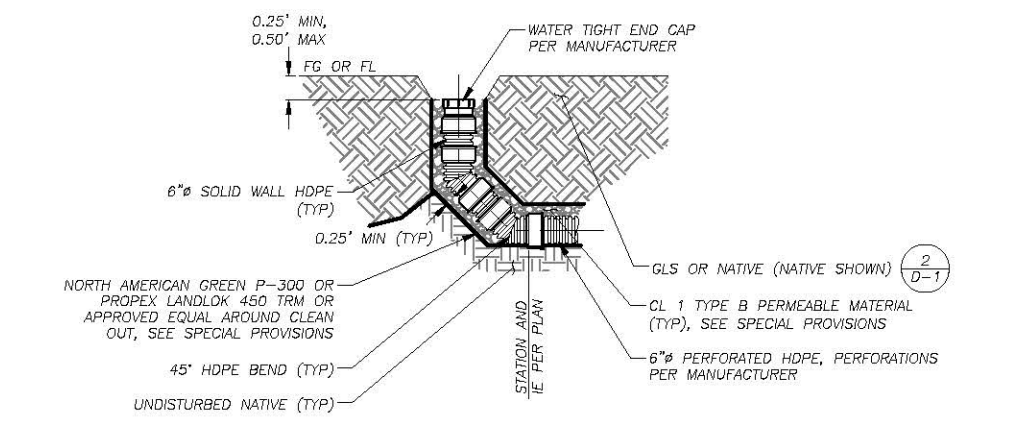
**CONCRETE ENCASEMENT**

4  
D-3



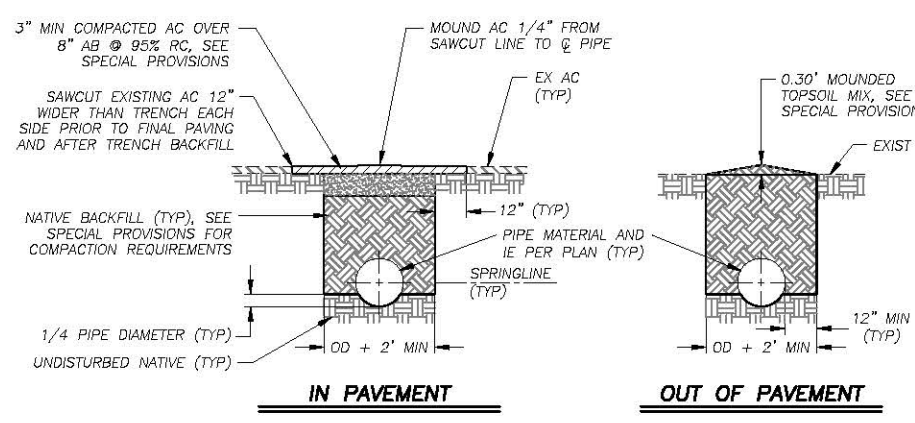
**CONCRETE COLLAR**

5  
D-3



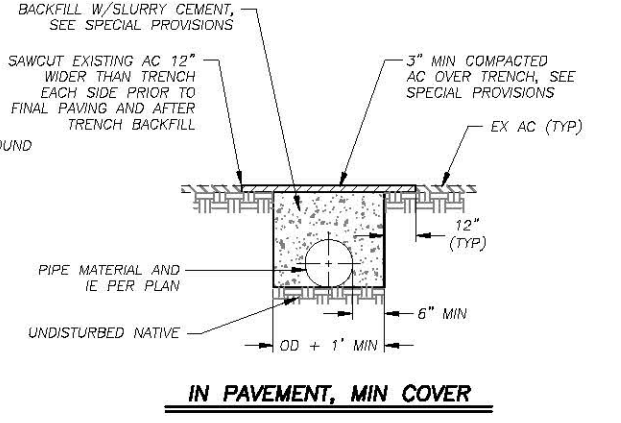
**PERFORATED PIPE CLEAN OUT**

2  
D-3

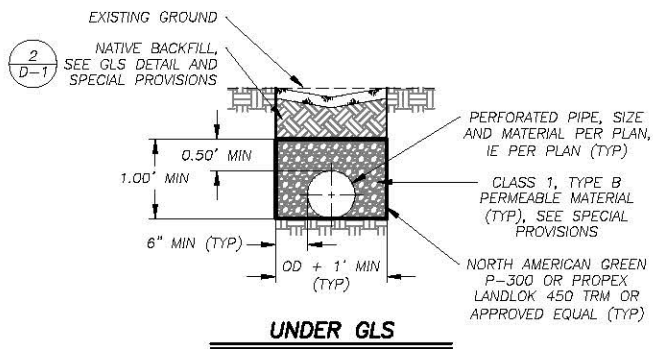


**IN PAVEMENT**

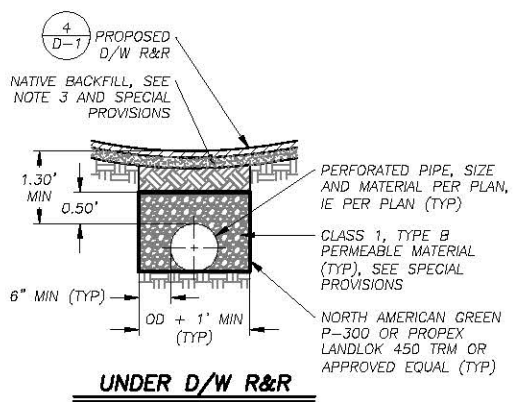
**OUT OF PAVEMENT**



**IN PAVEMENT, MIN COVER**



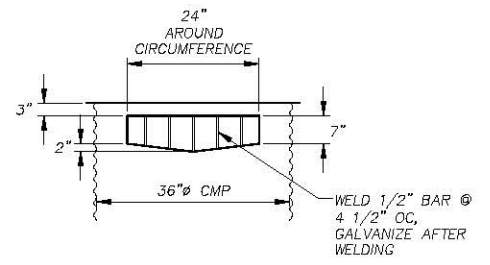
**UNDER GLS**



**UNDER D/W R&R**

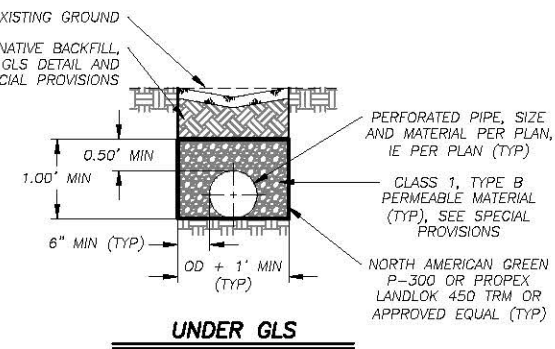
**PERFORATED PIPE**

- NOTES:
- SEE SPECIAL PROVISIONS FOR COMPACTION REQUIREMENTS AND FOR LOCATIONS WHERE PIPE TRENCH BACKFILL SHALL BE SLURRY CEMENT.
  - FOR REMOVAL OF EXISTING PIPE IN PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING AC PAVEMENT 12" WIDER THAN THE TRENCH ON EACH SIDE AND EXCAVATE AS REQUIRED TO ACCOMMODATE THE NEW PAVEMENT SECTION, SEE SPECIAL PROVISIONS.
  - FOR PERFORATED PIPE UNDER D/W R&R, AGGREGATE BASE MAY BE SUBSTITUTED FOR NATIVE BACKFILL.



**SEDIMENT TRAP WINDOW**

3  
D-3



**PIPE TRENCH**

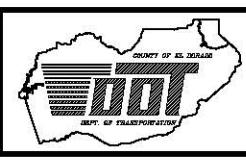
6  
D-3

REVISION	NUMBER	DATE	DESCRIPTION	BY



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 CHECKED: DWK  
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 ROAD NUMBER: ---



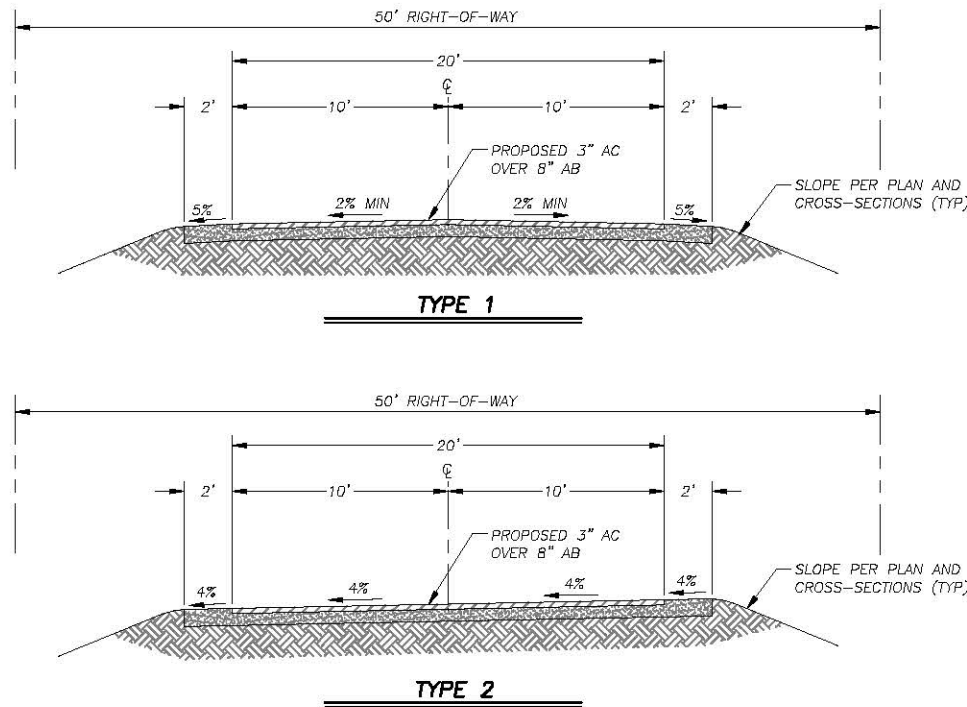
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**DETAIL SHEET**

SHEET  
**D-3**  
 12 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

Drawing name: \\13022\13022\Projects\13022\Civil\2D\Projects\13022\Civil\13\_BM\_D-1\_13-4.dwg

ORIGINAL SCALE IS IN INCHES  
FOR REDUCED PLANS

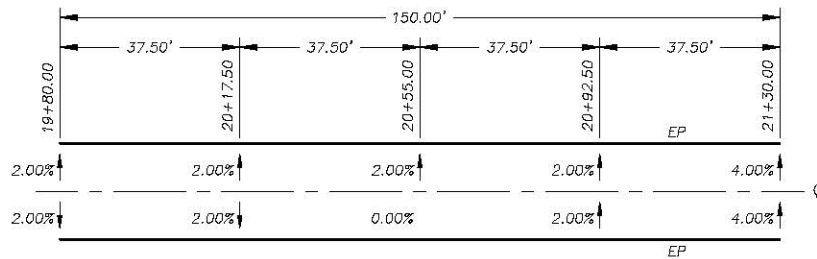


NOTE:  
SEE SPECIAL PROVISIONS FOR COMPACTION REQUIREMENTS.

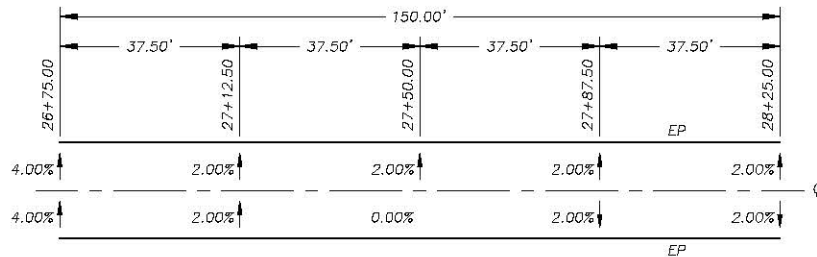
**AC PAVEMENT SECTIONS ~ BOULDER MOUNTAIN DRIVE**

NTS

1  
D-4



**STA 19+80.00 TO STA 21+30.00**

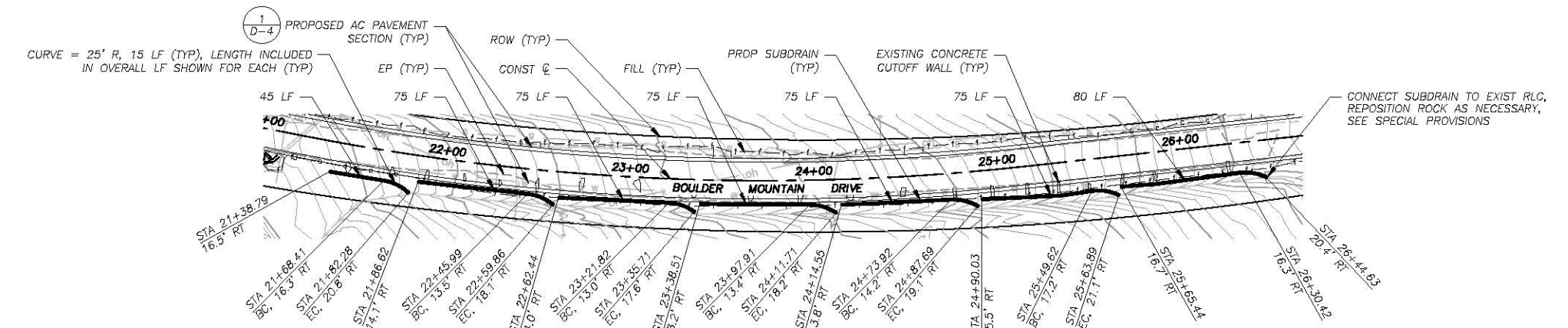


**STA 26+75.00 TO STA 28+25.00**

**SUPERELEVATION TRANSITIONS ~ BOULDER MOUNTAIN DRIVE**

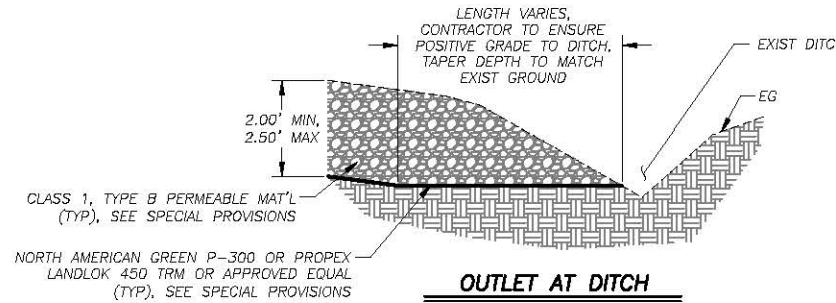
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2  
D-4

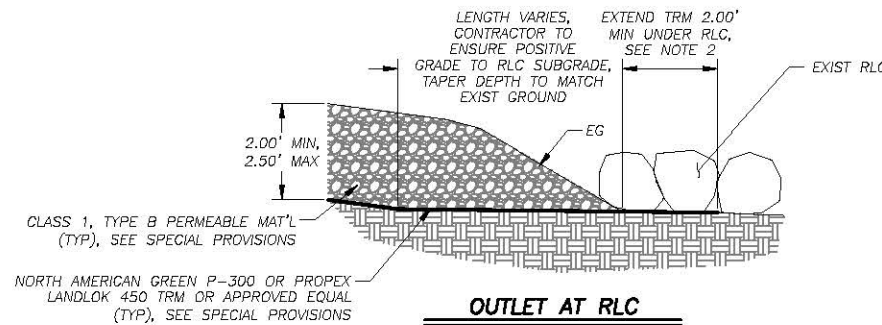


**PLAN VIEW**

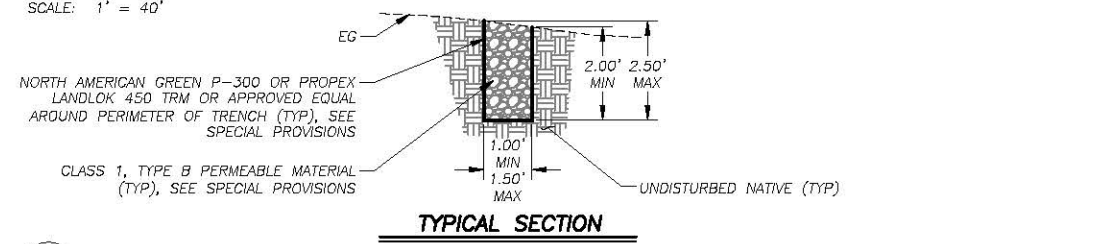
SCALE: 1" = 40'



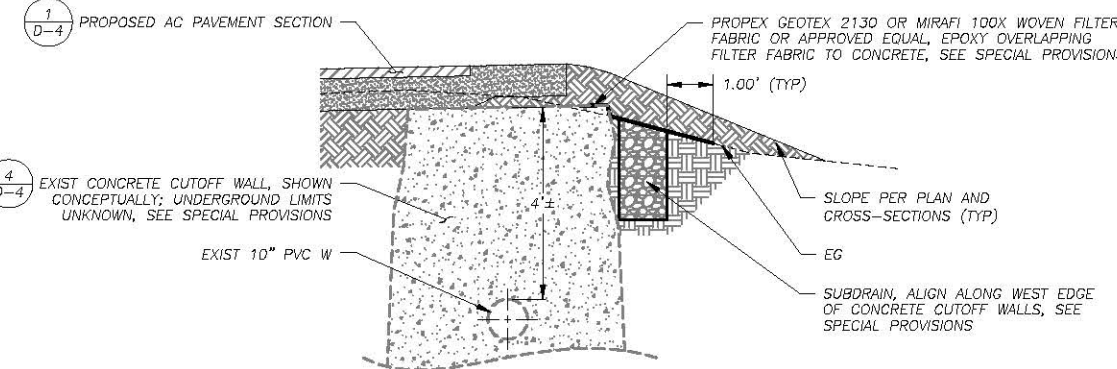
**OUTLET AT DITCH**



**OUTLET AT RLC**



**TYPICAL SECTION**



**AT CONCRETE CUTOFF WALL WITH FILL SLOPE**

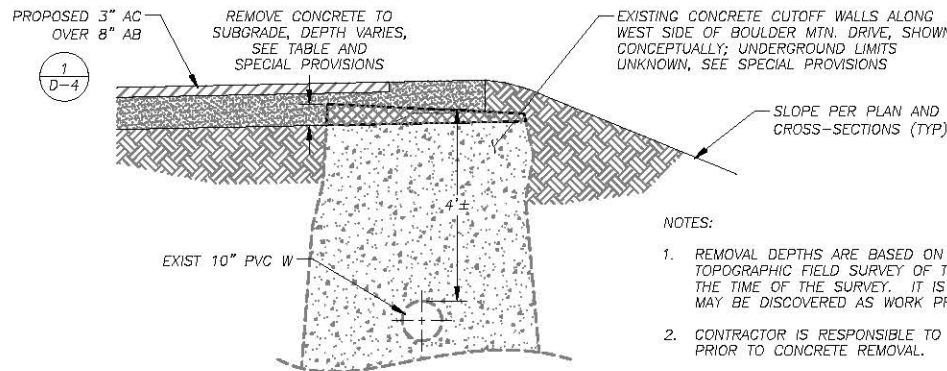
NOTES:

- SUBDRAIN ALIGNMENTS, STATIONING, AND OFFSETS MAY DIFFER SLIGHTLY FROM THAT SHOWN DUE TO ACTUAL CUTOFF WALL LIMITS.
- IF FABRIC IS FOUND UNDER THE EXISTING RLC, THE TRM IS TO OVERLAP ABOVE THE EXISTING FABRIC.
- SEE SPECIAL PROVISIONS FOR COMPACTION REQUIREMENTS.

**SUBDRAIN**

NTS

3  
D-4



**MODIFY CONCRETE CUTOFF WALL**

NTS

NOTES:

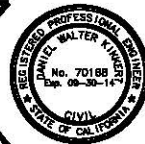
- REMOVAL DEPTHS ARE BASED ON ROAD DESIGN ELEVATIONS AND SLOPES AND TOPOGRAPHIC FIELD SURVEY OF THE CONCRETE VISIBLE FROM THE SURFACE AT THE TIME OF THE SURVEY. IT IS POSSIBLE THAT ADDITIONAL CUTOFF WALLS MAY BE DISCOVERED AS WORK PROGRESSES.
- CONTRACTOR IS RESPONSIBLE TO VERIFY ELEVATIONS AND REMOVAL DEPTHS PRIOR TO CONCRETE REMOVAL.

PLAN SHEET	STATION	ESTIMATED DEPTH OF CONCRETE REMOVAL (FEET)
P-1	21+16	1.5
P-1	21+47	1.7
P-1	21+71	1.7
P-1	21+90	1.4
P-1	22+11	1.0
P-1	22+30	0.9
P-1	22+50	0.8
P-1	22+74	0.8
P-1	23+03	0.6
P-2	23+33	0.8
P-2	23+65	1.1
P-2	23+91	1.1
P-2	24+17	0.9

PLAN SHEET	STATION	ESTIMATED DEPTH OF CONCRETE REMOVAL (FEET)
P-2	24+46	0.9
P-2	24+75	1.1
P-2	24+95	1.0
P-2	25+14	0.8
P-2	25+32	0.7
P-2	25+66	0.9
P-2	25+83	0.8
P-2	26+24	0.8
P-3	31+01	1.2
P-3	31+18	1.1
P-3	31+38	1.1
P-3	31+56	1.1

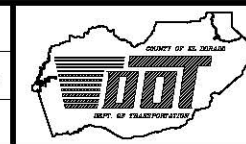
4  
D-4

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
*[Signature]*  
REGISTERED CIVIL ENGINEER  
DATE: 04/10/2013

DESIGNED: ALD  
DRAWN: ALD  
CHECKED: DWK  
DATE: 04/2013  
ROAD NUMBER: ---



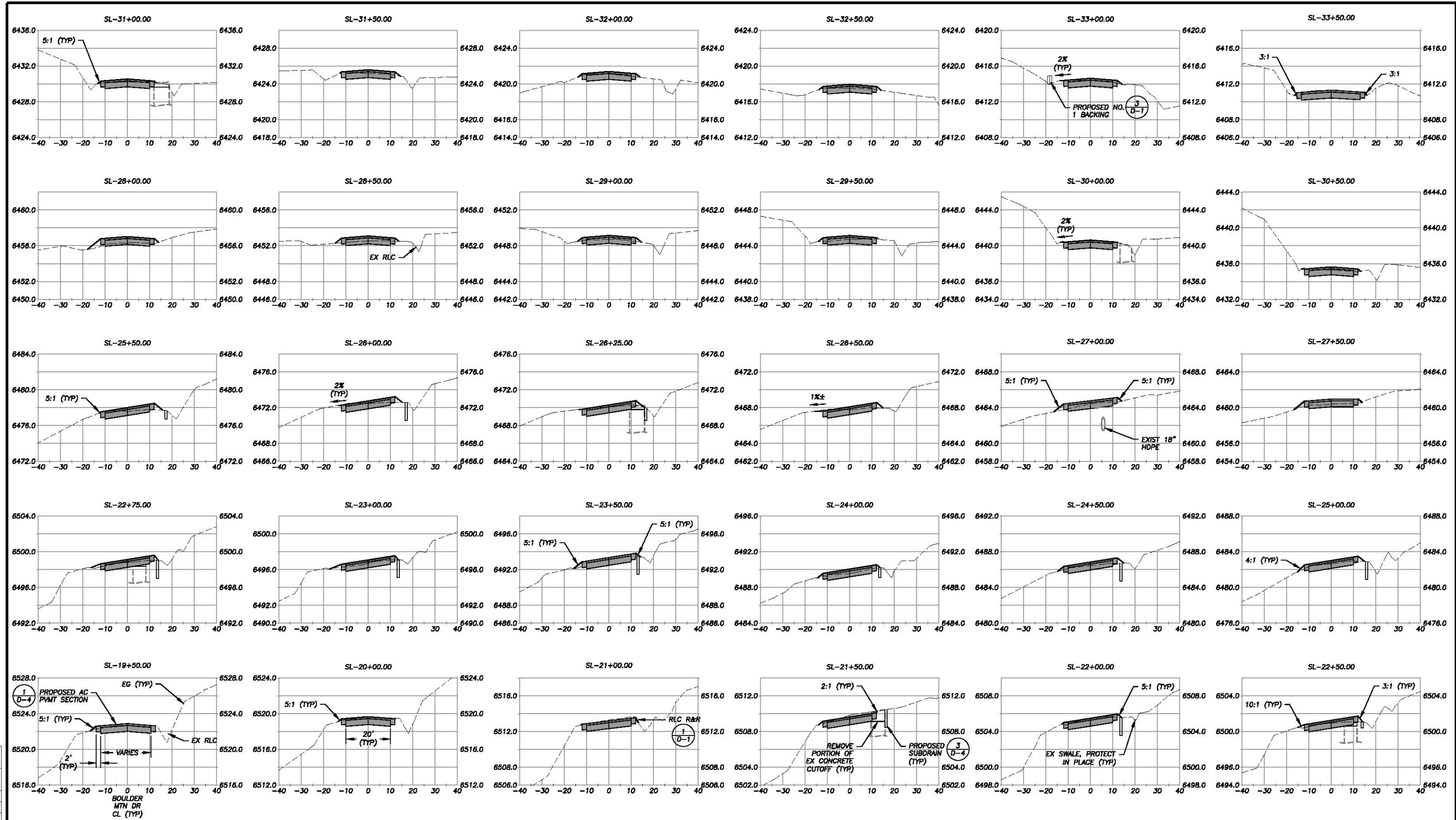
**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**DETAIL SHEET**

SHEET  
**D-4**  
13 OF 21  
CONTRACT NO.  
**PW 13-30675**  
CIP NO.  
**95153**



ORIGINAL SCALE IS IN INCHES  
 2"  
 1"  
 0"  
 FOR REDUCED PLANS



**BOULDER MOUNTAIN DRIVE**

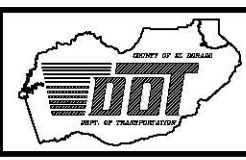
H: 1"=20'  
V: 1"=5'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---

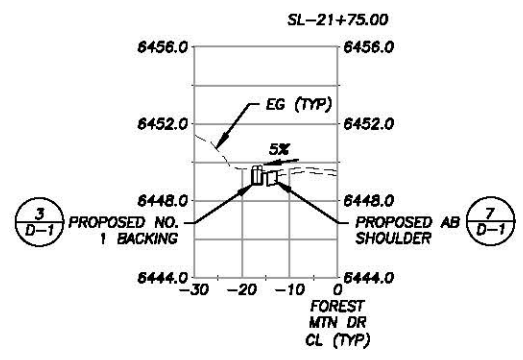


**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**CROSS-SECTIONS**

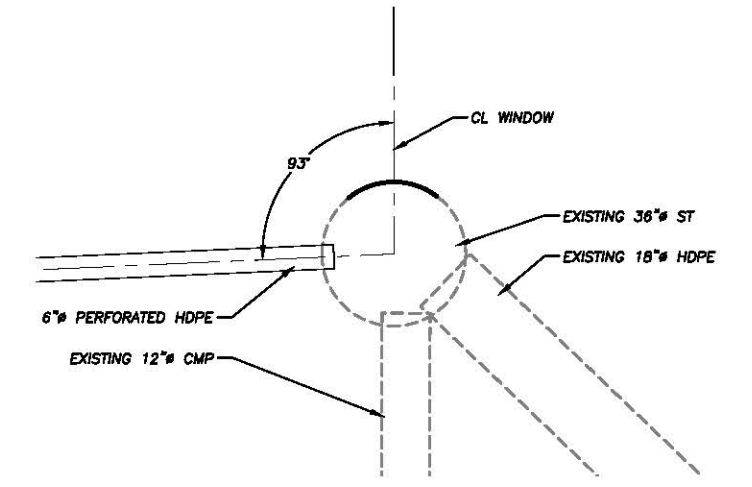
SHEET  
**X-1**  
 14 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

Drawing name: \\Data\Tb-Shoreline-SIT\SCHEM\_3D\_PROJECTS\95153\Engineering\PLAN\16\_BM-X-2\_AHD\_HCL.dwg  
 ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS



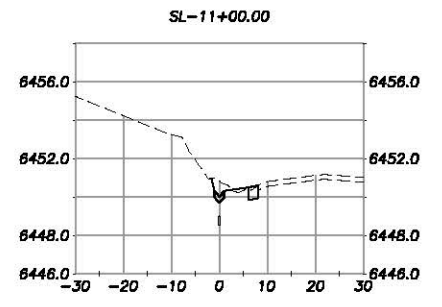
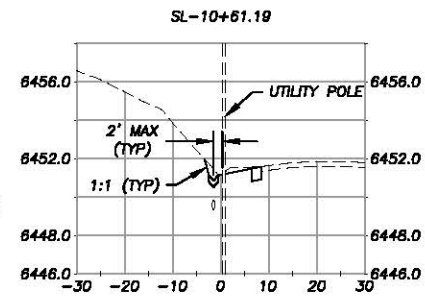
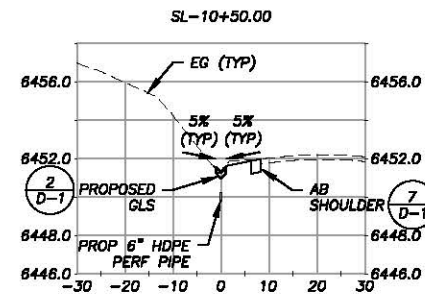
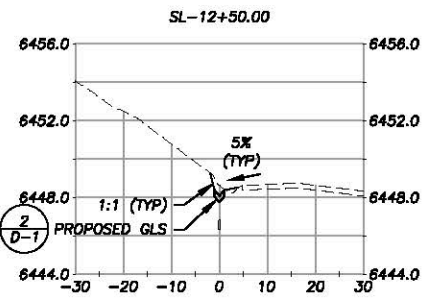
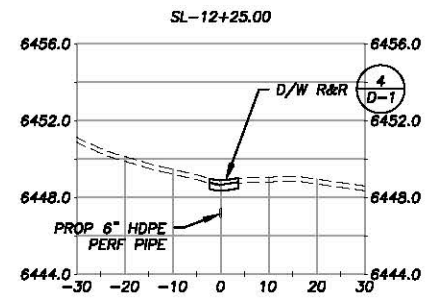
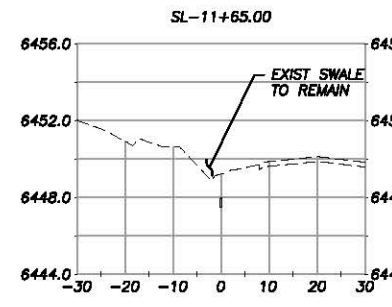
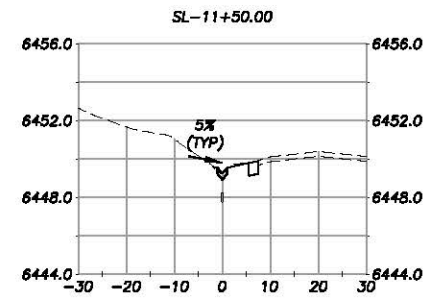
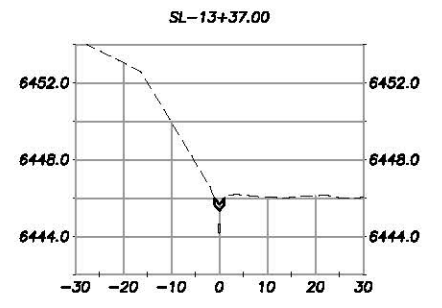
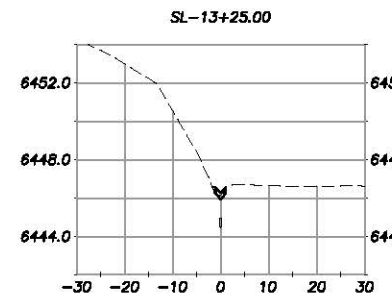
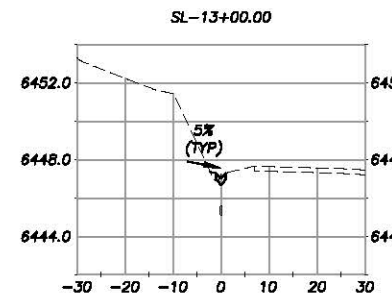
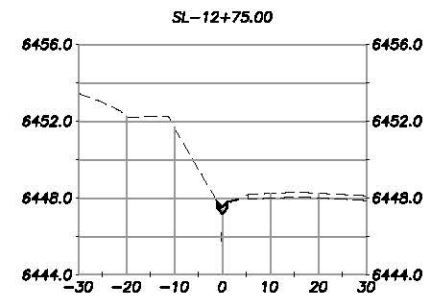
**FOREST MOUNTAIN DRIVE**

H: 1"=20'  
V: 1"=5'



**EXISTING 36" SEDIMENT TRAP AT STA 11+67.25 (SHEET P-5)**

NTS



**IRON MOUNTAIN CIRCLE**

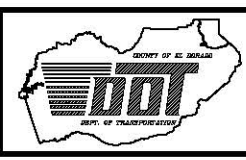
H: 1"=20'  
V: 1"=5'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---

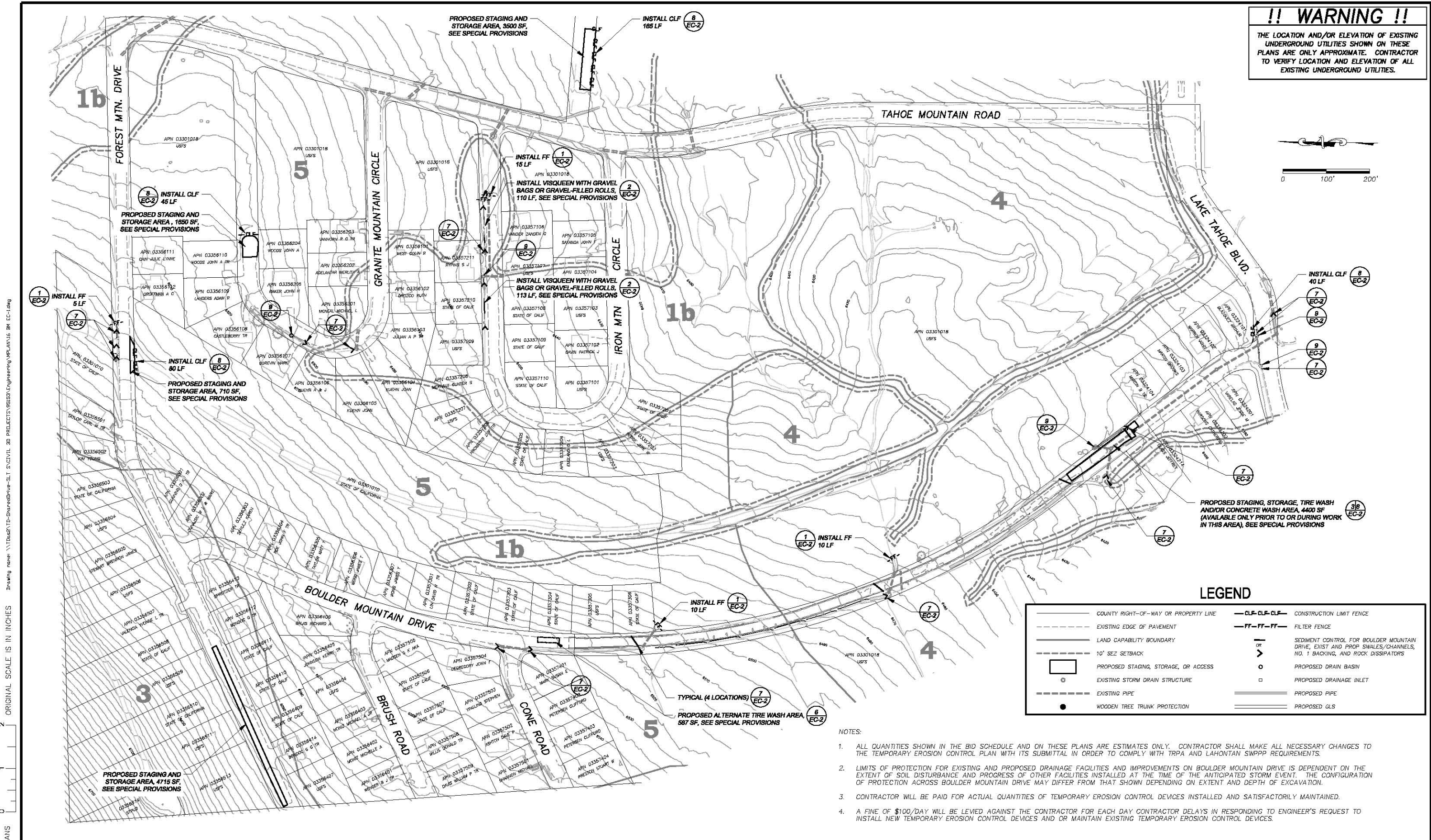
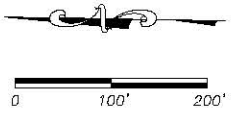


**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**CROSS-SECTIONS**  
**AND HORIZONTAL CONTROL**

SHEET  
**X-2**  
 15 of 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

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



**LEGEND**

	COUNTY RIGHT-OF-WAY OR PROPERTY LINE		CLF-CLF-CLF CONSTRUCTION LIMIT FENCE
	EXISTING EDGE OF PAVEMENT		FF-FF-FF FILTER FENCE
	LAND CAPABILITY BOUNDARY		SEDIMENT CONTROL FOR BOULDER MOUNTAIN DRIVE, EXIST AND PROP SWALES/CHANNELS, NO. 1 BACKING, AND ROCK DISSIPATORS
	10' SEZ SETBACK		PROPOSED DRAIN BASIN
	PROPOSED STAGING, STORAGE, OR ACCESS		PROPOSED DRAINAGE INLET
	EXISTING STORM DRAIN STRUCTURE		PROPOSED PIPE
	EXISTING PIPE		PROPOSED GLS
	WOODEN TREE TRUNK PROTECTION		

**NOTES:**

- ALL QUANTITIES SHOWN IN THE BID SCHEDULE AND ON THESE PLANS ARE ESTIMATES ONLY. CONTRACTOR SHALL MAKE ALL NECESSARY CHANGES TO THE TEMPORARY EROSION CONTROL PLAN WITH ITS SUBMITTAL IN ORDER TO COMPLY WITH TRPA AND LAHONTAN SWPPP REQUIREMENTS.
- LIMITS OF PROTECTION FOR EXISTING AND PROPOSED DRAINAGE FACILITIES AND IMPROVEMENTS ON BOULDER MOUNTAIN DRIVE IS DEPENDENT ON THE EXTENT OF SOIL DISTURBANCE AND PROGRESS OF OTHER FACILITIES INSTALLED AT THE TIME OF THE ANTICIPATED STORM EVENT. THE CONFIGURATION OF PROTECTION ACROSS BOULDER MOUNTAIN DRIVE MAY DIFFER FROM THAT SHOWN DEPENDING ON EXTENT AND DEPTH OF EXCAVATION.
- CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES OF TEMPORARY EROSION CONTROL DEVICES INSTALLED AND SATISFACTORILY MAINTAINED.
- A FINE OF \$100/DAY WILL BE LEVIED AGAINST THE CONTRACTOR FOR EACH DAY CONTRACTOR DELAYS IN RESPONDING TO ENGINEER'S REQUEST TO INSTALL NEW TEMPORARY EROSION CONTROL DEVICES AND OR MAINTAIN EXISTING TEMPORARY EROSION CONTROL DEVICES.

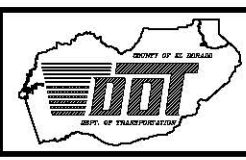
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 ORIGINAL SCALE IS IN INCHES  
 FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---



**COUNTY OF EL DORADO**  
**DEPARTMENT OF TRANSPORTATION**

**BOULDER MOUNTAIN ECP**  
**TEMPORARY EROSION CONTROL**

SHEET  
**EC-1**  
 16 OF 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**





# SYMBOL LEGEND

- ||||| REVEGETATION AREA (TYPES 1 AND 6)
- ~~~~~ REVEGETATION AREA (TYPE 7)
- ▭ STAGING AND STORAGE LOCATIONS

# DEFINITIONS

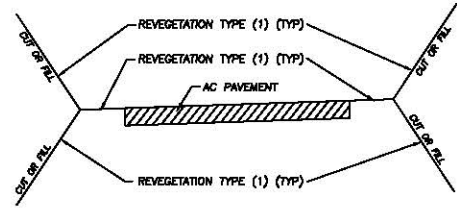
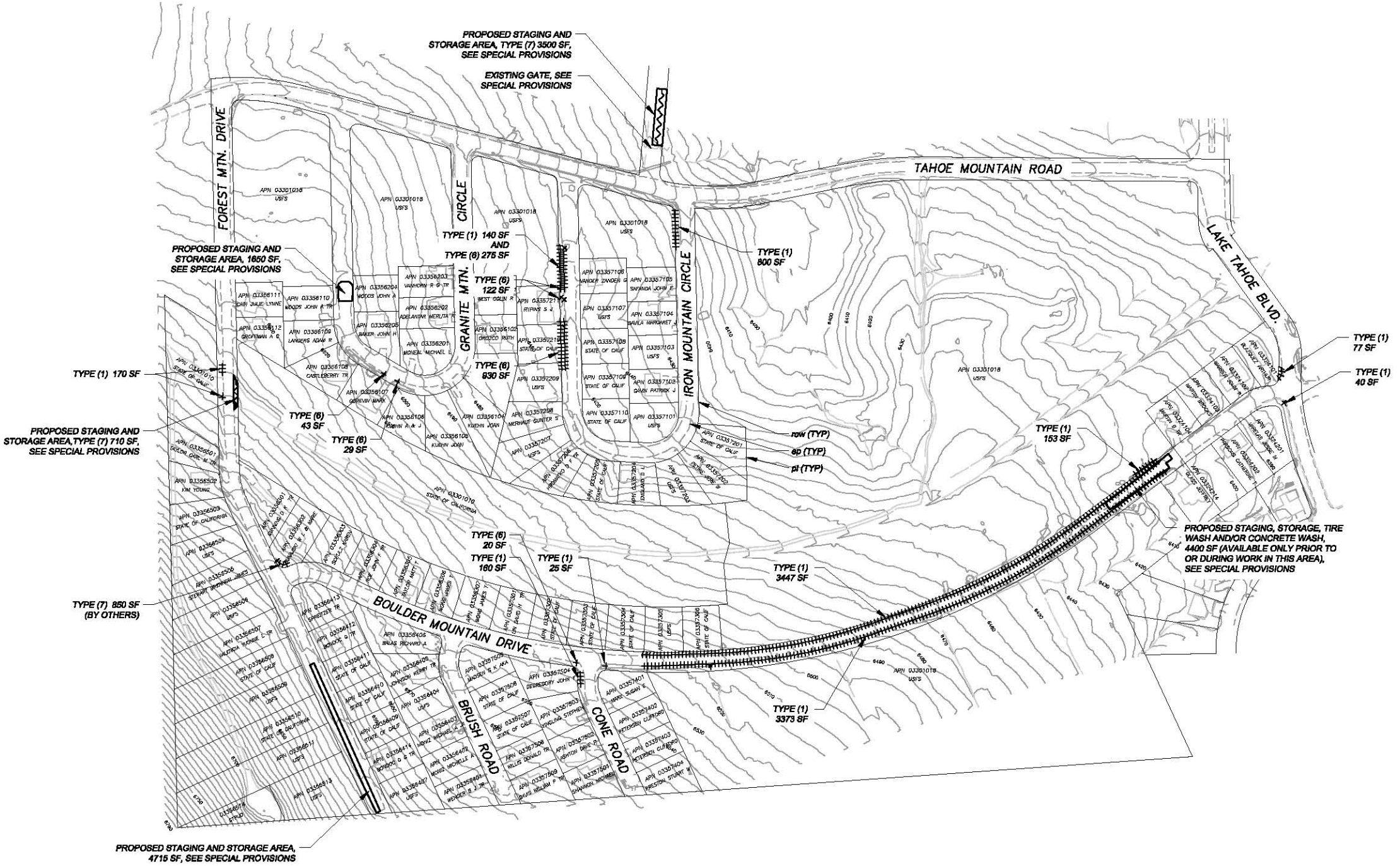
AMENDMENT - BIOSOL @600 LBS./ACRE (OR EQUAL).  
 BLANKET SLOPES - CF4 (OR EQUAL).  
 MULCH - TO BE APPLIED BY HAND OR WITH BLOWER EQUIPMENT.  
 HUMUS - TO BE BLENDED WITH SALVAGED SOIL.  
 TOPSOIL MIX - A BLEND OF SOIL SALVAGED FROM EXCAVATED AREAS (3 PARTS) WITH HUMUS (1 PART); SEE SPECIAL PROVISIONS.  
 TACKIFIER - CONTRACTOR SHALL APPLY WOOD-CELLULOSE FIBER MULCH/TACKIFIER OVER AREAS THAT RECEIVE MULCH; SEE SPECIAL PROVISIONS.

# REVEGETATION WORK LEGEND

- TYPE (1) - CONTRACTOR TO PLACE 2" COMPACTED TOPSOIL MIX, CALIFORNIA CONSERVATION CORPS (CCC) TO ADD SEED AND SOIL AMENDMENT. CONTRACTOR TO APPLY 1" MULCH. CONTRACTOR TO APPLY TACKIFIER. SEE SPECIAL PROVISIONS FOR LOCATIONS WHERE SCARIFYING IS REQUIRED.
- TYPE (2) - NOT USED
- TYPE (3) - NOT USED
- TYPE (4) - NOT USED
- TYPE (5) - NOT USED
- TYPE (6) - SALVAGED SOD: CONTRACTOR TO PLACE SOD. PROPAGATED SOD: CONTRACTOR TO PLACE TRM AND APPLY 3" COMPACTED TOPSOIL MIX, CCC TO PLACE 1" PROPAGATED SOD.
- TYPE (7) - FOR STAGING AND STORAGE AREAS NOT ON PAVEMENT. CCC TO APPLY 1" MINIMUM THICKNESS OF WOOD CHIP/PINE NEEDLE MULCH.

# NOTES

1. REVEGETATION TYPE (1) FOR AREAS ADJACENT TO ROAD SHOULDERS, SLOPES, ROCK DISSIPATORS, NO. 1 BACKING, PIPE INSTALLATION, MISCELLANEOUS GRADING, AND DISTURBED AREAS ADJACENT TO IMPROVEMENTS, UNLESS NOTED OTHERWISE.
2. REVEGETATION TYPE (6) FOR SALVAGE SOD GRASS-LINED SWALES, AREAS OF EXISTING SOD DISTURBED BY ROCK DISSIPATOR, DRAIN BASIN, PIPE INSTALLATION, AND REGRADED ROAD SHOULDER AREAS, UNLESS NOTED OTHERWISE.
3. REVEGETATION TYPE (7) FOR STAGING AND STORAGE AREAS NOT ON PAVEMENT AND PAVEMENT REMOVAL AREA.
4. AMENDMENT AND MULCH SHALL NOT BE APPLIED TO AREAS WITHIN BASINS OR CHANNELS.
5. ALL REVEGETATION AREAS DESCRIBED ABOVE WILL BE IRRIGATED WITH A WATER TRUCK BY THE COUNTY FOR TWO YEARS FOLLOWING INSTALLATION TO ENSURE OPTIMUM PLANT SURVIVAL.
6. SEE PLAN SHEETS AND SPECIAL PROVISIONS FOR SOD AND SOIL SALVAGE LOCATIONS AND QUANTITIES.
7. SEE SPECIAL PROVISIONS FOR LOCATIONS WHERE SCARIFYING IS REQUIRED PRIOR TO REVEGETATION TREATMENT.



TYPICAL ROADWAY REVEGETATION  
NTS



0 150' 300'

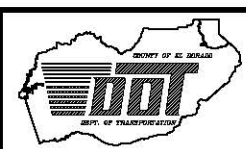
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---




COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION

BOULDER MOUNTAIN ECP  
 REVEGETATION PLAN

SHEET  
**R-1**  
 18 of 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**

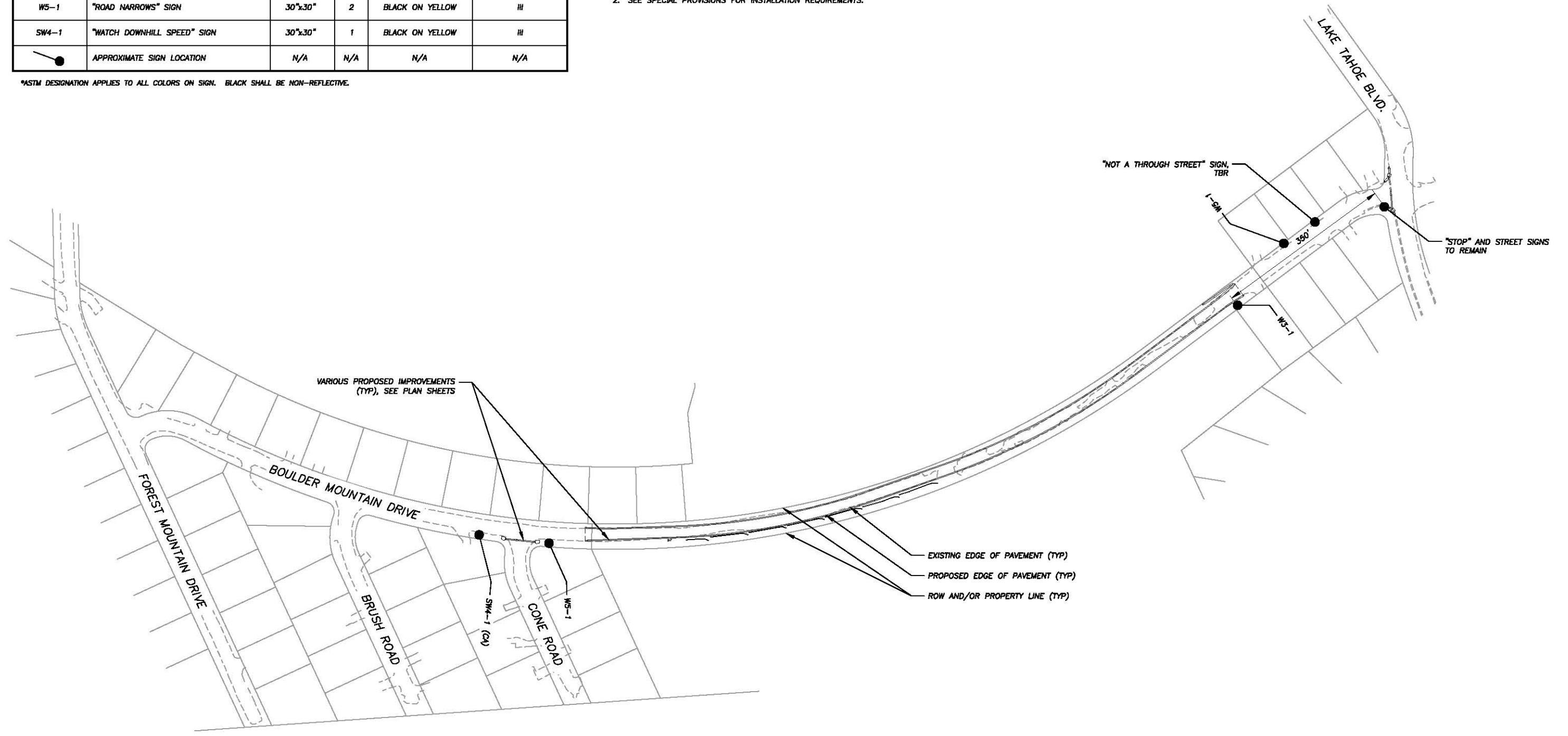
**!! WARNING !!**  
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ROADWAY SIGN LEGEND					
SIGN CODE	SIGN MESSAGE AND DESCRIPTION	SIGN SIZE	QTY	SIGN COLORS	RETROREFLECTIVE ASTM TYPE*
W3-1	STOP AHEAD SYMBOL	30"x30"	1	RED/BLACK ON YELLOW	III
W5-1	"ROAD NARROWS" SIGN	30"x30"	2	BLACK ON YELLOW	III
SW4-1	"WATCH DOWNHILL SPEED" SIGN	30"x30"	1	BLACK ON YELLOW	III
	APPROXIMATE SIGN LOCATION	N/A	N/A	N/A	N/A

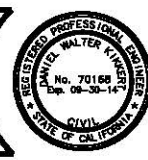
\*ASTM DESIGNATION APPLIES TO ALL COLORS ON SIGN. BLACK SHALL BE NON-REFLECTIVE.

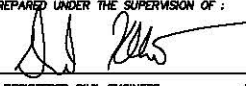
- NOTES:
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  - SEE SPECIAL PROVISIONS FOR INSTALLATION REQUIREMENTS.

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 FOR REDUCED PLANS

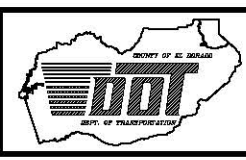


REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 04/10/2013

DESIGNED: ALD  
 DRAWN: ALD  
 CHECKED: DWK  
 DATE: 04/2013  
 ROAD NUMBER: ---



COUNTY OF EL DORADO  
 DEPARTMENT OF TRANSPORTATION








BOULDER MOUNTAIN ECP  
 SIGNING PLAN

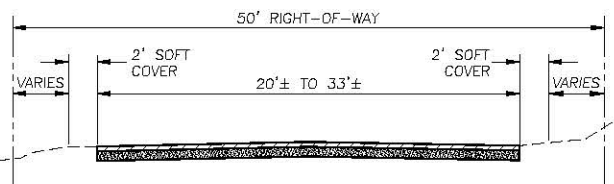
SHEET  
**S-1**  
 19 of 21  
 CONTRACT NO.  
**PW 13-30675**  
 CIP NO.  
**95153**





**LEGEND**

-  WORK AREAS
-  RIGHTS-OF-WAY (ROW) AND/OR PROPERTY LINE
-  EXISTING EDGE OF PAVEMENT (HARD COVERAGE)
-  PROPOSED EDGE OF PAVEMENT (HARD COVERAGE)
-  LAND CAPABILITY BOUNDARY
-  10' SEZ SETBACK LIMIT
-  EXISTING BUILDING



**TYPICAL ROADWAY SECTION**

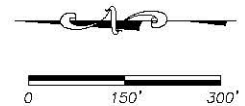
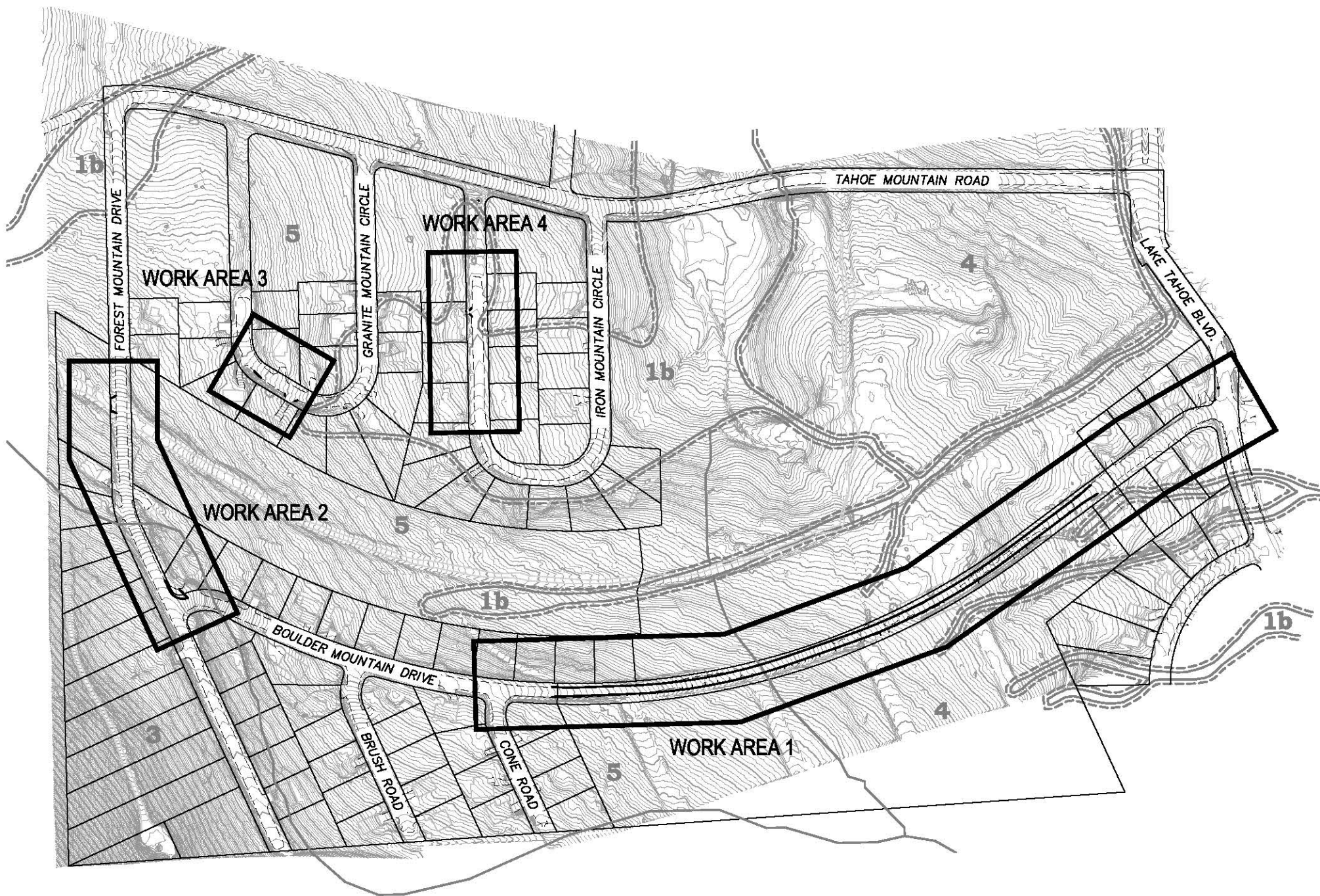
NTS

NOTES:

1. A 2 FT. ROAD SHOULDER, AS SHOWN, WAS DEFINED AS SOFT COVER THROUGHOUT THE PROJECT AREA.
2. AREAS OF DIRT ROADWAY WITHIN BOULDER MTN. DRIVE WAS DEFINED AS SOFT COVER.
3. LAND CAPABILITY WAS VERIFIED BY TRPA 07/09.
4. ADDITIONAL COVERAGE IS PROPOSED WITHIN AN SEZ AREA.

**LAND COVERAGE TABLE**  
IN SQUARE FEET

	WORK AREA	LAND CAPABILITY CLASSES							
		1b		3		4		5	
		Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft
EXISTING	1	0	0	0	0	38044	10775	18430	2979
	2	0	0	12013	1457	0	0	12314	1747
	3	0	0	0	0	0	0	7393	961
	4	9510	1462	0	0	0	0	360	99
TOTAL		9510	1462	12013	1457	38044	10775	38497	5786
PROPOSED	1	0	0	0	0	43271	6535	18525	3441
	2	0	0	11272	1593	0	0	12718	1833
	3	0	0	0	0	0	0	7394	980
	4	9510	1465	0	0	0	0	360	99
TOTAL		9510	1465	11272	1593	43271	6535	38997	6353
COVERAGE TRANSFER -IN/OUT		0	-3	741	-136	-5227	4240	-500	-567



DRAWING NAME: \\1024210-Shared\p\13-30675\CIVIL 2D PROJECTS\SEBSEB\Engineering\PLANS\21\_BK\_L-1.dwg

ORIGINAL SCALE IS IN INCHES

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

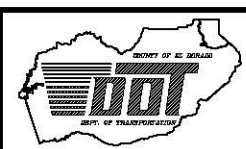
*Walter K. Walters*

REGISTERED CIVIL ENGINEER      DATE: 04/10/2013

DESIGNED: ALD      DRAWN: ALD

CHECKED: DWK      DATE: 04/2013

ROAD NUMBER: \_\_\_\_\_



**COUNTY OF EL DORADO**  
DEPARTMENT OF TRANSPORTATION

**BOULDER MOUNTAIN ECP**  
LAND COVERAGE

SHEET  
**L-1**  
21 of 21  
CONTRACT NO.  
**PW 13-30675**  
CIP NO.  
**95153**