

Sheet List Table

Sheet Number	Sheet Title	Sheet Description
1	i	TITLE SHEET
2	ii	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
3	iii	SHEET INDEX MAP AND EARTHWORK SUMMARY TABLE
4	CD-1	SURVEY AND CONTROL DIAGRAM
5	L-1	LAYOUT
6	L-2	LAYOUT
7	C-1	CONSTRUCTION DETAILS
8	TC-1	TRAFFIC CONTROL PLAN

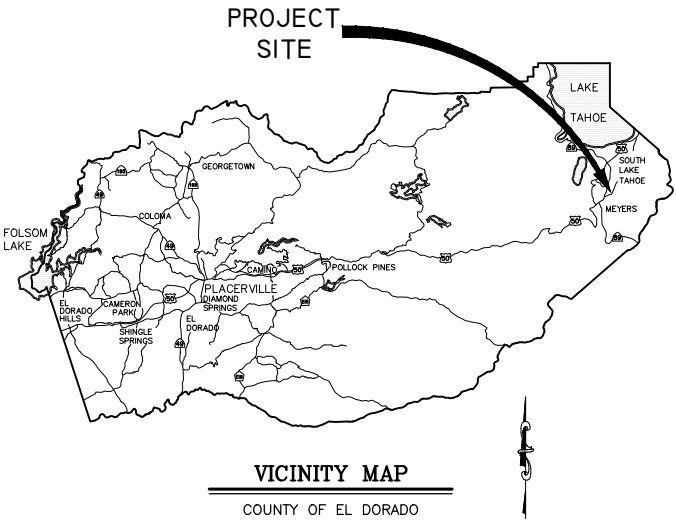
COUNTY OF EL DORADO, CA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR THE CONSTRUCTION OF THE 2025

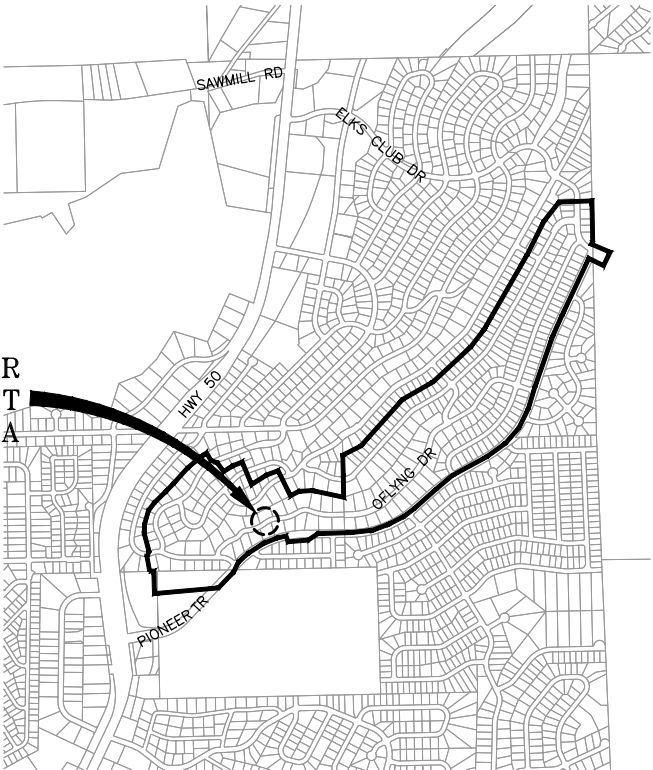
OFLYNG WATER QUALITY
PROJECT – PHASE 2

IN THE COUNTY OF EL DORADO, DISTRICT 5,
COUNTRY CLUB HEIGHTS UNIT NO. 5 SUBDIVISION; PORTIONS OF
COUNTRY CLUB HEIGHTS UNIT NO. 6 AND TAHOE PARADISE UNIT
NO. 48 SUBDIVISION

To be supplemented with the 2022 Standard Plans and Specifications of
the California Department of Transportation, unless otherwise noted.



OFLYNG WATER
QUALITY PROJECT
– PHASE 2 AREA



FUNDING AGENCIES

SWRCB
CALIFORNIA TAHOE CONSERVANCY
TRPA
USFS

BOARD OF SUPERVISORS

I	II	III	IV	V
GREG FERRERO	GEORGE TURNBOO	BRIAN VEERKAMP	LORI PARLIN	BROOKE LAINE

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

(530) 573-7900 924 B EMERALD BAY RD SOUTH LAKE TAHOE, CA 96150	(530) 621-5900 2850 FAIRLANE CT PLACERVILLE, CA 95667
---	--

ADOPTED AND APPROVED BY:

DATE	DATE	DATE
GEORGE TURNBOO CHAIR, COUNTY OF EL DORADO BOARD OF SUPERVISORS	RAFAEL MARTINEZ, DIRECTOR DEPARTMENT OF TRANSPORTATION	JOHN H. KAHUNG, P.E., RCE NO. 52426, ASSISTANT DIRECTOR DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 9322, CIP NO. 3610 7016

OFLYNG WATER QUALITY
PROJECT - PHASE 2

TITLE SHEET

SHEET I OF 8

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. 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	


SUBMITTED BY: DANIEL W. KIKKERT P.E.
SENIOR CIVIL ENGINEER
STATE OF CALIFORNIA NO. 70168

FEBRUARY 4, 2025
DATE

1. ALL IMPROVEMENTS WILL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION (TD). IMPROVEMENT CONSTRUCTION MUST COMPLY WITH THESE PLANS AND THE 2022 CALTRANS STANDARD PLANS, UNLESS NOTED OTHERWISE. ALL REFERENCES TO THE "STANDARD SPECIFICATIONS" MEAN THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) 2022 STANDARD SPECIFICATIONS. CONSTRUCTION NOT SPECIFIED ON THESE PLANS OR IN SPECIFIC COUNTY OF EL DORADO (COUNTY) ORDINANCES MUST CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. YOU ARE OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL PROVISIONS SUPERSEDE THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
2. CONSTRUCTION HOURS WILL BE WEEKDAYS BETWEEN 8:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE COUNTY TD.
3. THE LOCATIONS AND EXTENT OF UNDERGROUND UTILITIES IN THE WORK AREA AS SHOWN ARE APPROXIMATE AND ARE NOT NECESSARILY COMPLETE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE UTILITIES BASED UPON AVAILABLE RECORDS. YOU MUST DETERMINE THE TYPE, LOCATION, SIZE, AND/OR DEPTH OF THE UTILITIES WITHIN THE WORK AREA BEFORE STARTING WORK. YOU OR ANY SUBCONTRACTOR FOR THIS CONTRACT ARE RESPONSIBLE FOR DAMAGES DUE TO THE FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES. YOU MUST CONTACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST 48 HOURS BEFORE ANY CONSTRUCTION. SEE THE SPECIAL PROVISIONS FOR NOTIFICATION REQUIREMENTS. YOU ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
4. UNLESS SHOWN OTHERWISE, YOU ARE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS, INCLUDING CONSTRUCTION STAKES DURING CONSTRUCTION AND YOU ARE RESPONSIBLE FOR THE COST TO REPLACE ANY SUCH SURVEY MONUMENTS, MARKERS, OR STAKES.
5. YOU WILL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE JOB SITE AND FOR PUBLIC SAFETY UNDER THESE PLANS, THE STANDARD SPECIFICATIONS, AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. YOU AGREE TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREE THAT THIS REQUIREMENT APPLIES CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS UNDER THE CONTRACT AND STANDARD SPECIFICATIONS.
7. THERE WILL BE NO GRADING OR LAND DISTURBANCE BETWEEN OCTOBER 15 AND MAY 1 UNLESS APPROVALS ARE OBTAINED FROM THE TAHOE REGIONAL PLANNING AGENCY (TRPA), AS PROVIDED IN THE LIMITED EXEMPTION DESCRIBED IN CHAPTER 64, SUBSECTION 64.2.B. OF THE TRPA CODE OF ORDINANCES. APPROVALS FOR GRADING BETWEEN OCTOBER 15 AND MAY 1 MUST ALSO BE OBTAINED FROM THE REGIONAL WATER QUALITY CONTROL BOARD, LAHONTAN. IF REQUIRED, THE COUNTY WILL OBTAIN THESE APPROVALS.
8. YOU WILL MAINTAIN A SET OF PLANS ON THE JOB SITE SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE WORK, YOU WILL GIVE 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 REFERENCE THE CENTERLINE OF THE FACILITY SHOWN, UNLESS NOTED OTHERWISE.
10. YOU WILL NOT CLOSE OFF ANY UTILITY LINES OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF WATER OR SEWER SYSTEMS WITHOUT APPROVAL FROM THE SOUTH TAHOE PUBLIC UTILITY DISTRICT (STPUD). APPROVAL MUST BE REQUESTED AT LEAST 48 HOURS BEFORE INTERRUPTION OF THE UTILITY SERVICE IS REQUIRED. ANY INTERRUPTION TO ACTIVE WATER OR SEWER SERVICES, INCLUDING FIRE HYDRANTS, WHETHER INTENTIONAL OR NOT, MUST BE KEPT TO A MINIMUM TIME PERIOD. IF SERVICE TO BUILDINGS IS TO BE OFF FOR MORE THAN FOUR HOURS, YOU MUST ADVISE STPUD.
11. YOU ARE REQUIRED TO IMPLEMENT DUST CONTROL MEASURES TO ENSURE THAT DUST RESULTING FROM YOUR ACTIVITIES IS CONTROLLED AND COMPLIES WITH THE PROVISIONS OF SECTION 7, "LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC," AND SECTION 14, "ENVIRONMENTAL STEWARDSHIP," OF THE STANDARD SPECIFICATIONS, COUNTY, AND LOCAL ORDINANCES. SEE THE SPECIAL PROVISIONS FOR DUST AND TRACKING CONTROL AND SWEEPING REQUIREMENTS.
12. YOU ARE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY EROSION CONTROL MEASURES. THE TEMPORARY EROSION CONTROL MEASURES MUST COMPLY WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES" AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE TD WILL CONTACT TRPA BEFORE THE START OF THE WORK FOR A PRE-GRADING INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL FACILITIES. YOU ARE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE WORK. SEE THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL FACILITY REMOVAL.
13. CONSTRUCTION LIMITS SHOWN DELINEATE THE BOUNDARIES FOR YOUR ACTIVITIES BEYOND THE COUNTY STREET RIGHT-OF-WAY. CONSTRUCTION LIMIT FENCING MUST BE ERECTED ALONG THESE BOUNDARIES BEFORE WORK STARTS. VEGETATION WITHIN THESE LIMITS MUST BE PROTECTED TO THE EXTENT FEASIBLE. ALL TREES MUST BE PROTECTED UNLESS SHOWN TO BE REMOVED.
14. UNLESS NOTED OTHERWISE, ALL REVEGETATION IS TO BE COMPLETED BY OTHERS.
15. YOU WILL ONLY USE THE DESIGNATED SITES SHOWN FOR STORAGE OF EQUIPMENT AND MATERIALS. YOU ARE RESPONSIBLE FOR THE SECURITY OF EQUIPMENT AND MATERIALS.
16. IT IS YOUR AND YOUR SUBCONTRACTOR(S) RESPONSIBILITY TO EXAMINE THE JOB SITE BEFORE THE OPENING OF BID PROPOSALS. YOU MUST BECOME FAMILIAR WITH 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 FOR AND DURING THE PERFORMANCE OF THE WORK. FAILURE BY YOU OR YOUR SUBCONTRACTOR(S) TO ACQUAINT YOURSELVES WITH THE INFORMATION AVAILABLE WILL NOT RELIEVE YOU OR YOUR SUBCONTRACTOR(S) FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
17. ELEVATIONS FOR PIPE INVERTS, FLOWLINES, TOPS OF GRATES, RIMS, ETC., ARE BASED ON THE TOPOGRAPHIC INFORMATION SHOWN. YOU WILL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE TD OF ANY DISCREPANCIES WHICH MIGHT AFFECT THE OPERATION OF THE NEW FACILITIES BEFORE BREAKING GROUND FOR THE INSTALLATION. THE TD MUST BE CONTACTED IF ELEVATIONS ARE INCORRECT SO PROPER ADJUSTMENTS CAN BE MADE BEFORE THE INSTALLATION OF THE FACILITIES.
18. EXCEPT FOR THOSE OBTAINED BY THE TD, YOU MUST OBTAIN, AT YOUR EXPENSE, ALL PERMITS, LICENSES, INSURANCE POLICIES, ETC., NECESSARY TO COMPLY WITH STATE AND LOCAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK.
19. YOU ARE RESPONSIBLE TO REVIEW THE CONTRACT DOCUMENTS FOR SUBMITTALS REQUIRED FOR COUNTY REVIEW AND ACCEPTANCE.
20. THE COUNTY WILL PROVIDE CONSTRUCTION STAKING IN COMPLIANCE WITH SECTION 5-1.26 OF THE STANDARD SPECIFICATIONS.
21. THE PLANS SHOW SLOPE LENGTHS FOR PIPE ROUNDED TO THE NEAREST FOOT. ALL PIPE LENGTHS AND INVERT ELEVATIONS SHOWN ON THE PLANS ARE TO THE CENTERLINE OF THE STRUCTURES TO WHICH THE PIPES ARE ATTACHED. SEE THE STANDARD SPECIFICATIONS FOR THE MAXIMUM ALLOWABLE DEFLECTION ANGLE AT EACH PIPE JOINT.
22. YOU ARE RESPONSIBLE TO MAINTAIN THE GRADING LIMITS AS SHOWN ON THE PLANS, DETAILS, CROSS SECTIONS, AND AS DIRECTED BY THE ENGINEER. SEE SHEET iii OF THE PLANS FOR THE RAW EARTHWORK QUANTITIES ASSOCIATED WITH GRADING.

NOTE: LOWER CASE TEXT WITHIN PLAN SET INDICATES EXISTING			
Δ	DELTA = DEFLECTION ANGLE	MOC	MID POINT ON CURVE
A	ARCH OR ASPEN	MOD	MODIFIED
AB	AGGREGATE BASE	MV	MEADOW VALE
ABAND	ABANDONED	N	NORTH
ABC	ARTICULATED BLOCK CHANNEL	NEG	NEGIGIBLE
AC	ASPHALT CONCRETE	NGVD	NATIONAL GEODETIC VERTICAL DATUM
AP	ANGLE POINT	NIC	NOT IN CONTRACT
APN	ASSESSOR'S PARCEL NUMBER	NTS	NOT TO SCALE
BC	BEGIN CURVE	OAE	OR APPROVED EQUAL
BCR	BEGIN CURB RETURN	OC	ON CENTER
BGN	BEGIN	OD	OUTSIDE DIAMETER
BLC	BLANKET-LINED CHANNEL	OG	ORIGINAL GROUND
BR	BOCA RATON	OH	OVERHEAD
BVCE	BEGIN VERTICAL CURVE ELEVATION	OVEREX	OVEREXCAVATION
BVCS	BEGIN VERTICAL CURVE STATION	P	PINE
C	CEDAR	PC	POINT OF BEGINNING OF CURVE
CALCS	CALCULATIONS	PCC	PORTLAND CEMENT CONCRETE OR
CATV	CABLE TELEVISION		POINT OF COMPOUND CURVE
CC	CENTER TO CENTER	PCVCE	POINT OF COMPOUND VERTICAL CURVE ELEVATION
CF	CUBIC FEET OR CURB FACE	PCVCS	POINT OF COMPOUND VERTICAL CURVE STATION
CHD	CHORD DIRECTION	PHDPE	PERFORATED HIGH DENSITY POLYETHYLENE
CIR	CIRCLE	PL	PROPERTY LINE
CL	CENTERLINE	PL	PROPERTY LINE
CL	CLASS OR CENTERLINE	POR	PORTION
CLR	CLEAR	PP	POWER/UTILITY POLE
CO	CURB OPENING OR CLEANOUT	PRC	POINT OF REVERSE CURVE
CO.	COUNTY	PROP	PROPOSED
CONC	CONCRETE	PRVCE	POINT OF REVERSE VERTICAL CURVE ELEVATION
CONST	CONSTRUCT	PRVCS	POINT OF REVERSE VERTICAL CURVE STATION
CMP	CORRUGATED METAL PIPE	PT	POINT OR POINT OF TANGENCY
CR	CURB RETURN	PUE	PUBLIC UTILITY EASEMENT
CSP	CORRUGATED STEEL PIPE	PVC	POLYVINYL CHLORIDE
CT	CALTRANS OR COURT	PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
CTC	CALIFORNIA TAHOE CONSERVANCY	PVIS	POINT OF VERTICAL INTERSECTION STATION
CY	CUBIC YARD	PVMT	PAVEMENT
C&G	CURB AND GUTTER	R	RADIUS
D	DEPTH	R&R	REMOVE & REPLACE
DBL	DOUBLE	RC	RELATIVE COMPACTION
DET	DETAIL	RCP	REINFORCED CONCRETE PIPE
DI	DRAINAGE INLET OR DUCTILE IRON	RD	ROAD
DIA OR Ø	DIAMETER	REF	REFERENCE
DISS	DISSIPATOR	REQ'D	REQUIRED
DR	DRIVE	RLC	ROCK-LINED CHANNEL
D/W	DRIVEWAY	ROW	RIGHT-OF-WAY
E	EAST	RSF	REINFORCED SILT FENCE
EA	EACH	RSP	ROCK SLOPE PROTECTION
EC	END OF CURVE	RT	RIGHT
ECR	END OF CURB RETURN	RW	RETAINING WALL
ELEC	ELECTRIC	S	SOUTH OR SANITARY SEWER
ELEV	ELEVATION	SCO	SEWER CLEAN OUT
ENGR	ENGINEER	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
ESA	ENVIRONMENTALLY SENSITIVE AREA	SEZ	STREAM ENVIRONMENT ZONE
ESMT	EASEMENT	SF	SQUARE FEET
EVCE	END VERTICAL CURVE ELEVATION	SHT	SHEET
EVCS	END VERTICAL CURVE STATION	SL	SLOPE LENGTH
EX OR EXIST	EXISTING	SMH	SEWER MANHOLE
F	FIR	ST	SEDIMENT TRAP OR STREET
FES	FLARED END SECTION	STA	STATION
FG	FINISHED GRADE	STD	STANDARD
FH	FIRE HYDRANT	STL	STEEL
FL	FLOWLINE	STPUD	SOUTH TAHOE PUBLIC UTILITY DISTRICT
FS	FINISH SURFACE	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
G	GAS	T	TELEPHONE
GA	GAUGE	TBC	TOP BACK OF CURB
GB	GRADE BREAK	TBD	TOP BACK OF DIKE
GLS	GRASS-LINED SWALE	TBR	TO BE REMOVED
GW	GROUND WATER	TD	TOP OF DIKE
H	HORIZONTAL	TG	TOP OF GRATE
HDPE	HIGH DENSITY POLYETHYLENE	TION	TIONONTATI
HP	HIGH POINT	TTL	TOTAL
HWL	HIGH WATER LINE	TRANS	TRANSITION
ID	INSIDE DIAMETER	TRM	TURF REINFORCEMENT MAT
IE	INVERT ELEVATION	TRPA	TAHOE REGIONAL PLANNING AGENCY
INCR	INCREASE	TYP	TYPICAL
INST	INSTALL	UG	UNDERGROUND
INTRXN	INTERSECTION	UKN	UNKNOWN
L	LENGTH	USFS	UNITED STATES FOREST SERVICE
LC	LENGTH OF CHORD	V	VERTICAL
LF	LINEAR FEET	W	WEST OR WATER
LP	LOW POINT	W/O	WITHOUT
LT	LEFT	WC	WILLOW CLUSTER
MAT'L	MATERIAL	WV	WATER VALVE
MISC	MISCELLANEOUS		

EXISTING		PROPOSED	
(SCREENED AND/OR DASHED)	EXISTING (AS NOTED)	— — — — —	CENTERLINE
— — — — —	RIGHT-OF-WAY OR PROPERTY LINE	— — — — —	SAWCUT (AS NOTED)
— — — — —	EASEMENT	XXXX.XX	ELEVATION
— — — — —	LAND CAPABILITY BOUNDARY	XXXX.X XXXX.XX	ELEVATION, EG CL, PROPOSED (PROFILE ONLY)
— — — — —	10' SEZ SETBACK	○ □	CSP INLET/RISER OR STORM DRAIN MANHOLE, DRAINAGE INLET
 OR 	ROCK	V V	CUT OR FILL SLOPE
●	FOUND MONUMENT	(X X)	DETAIL REF NUMBER SHEET NUMBER
△	SURVEY CONTROL POINT		ROCK
XXXX.X	ELEVATION	=====	SD PIPE (MATERIAL AS NOTED)
Ⓢ	SEWER MANHOLE	—RSF—ESA—	REINFORCED SILT FENCE AND TYPE ESA FENCE
○ SCO	SEWER CLEAN OUT	▷	FLARED END SECTION
	DRAINAGE INLET	#:#	SLOPE RATIO, H: V
gm	GAS METER	=====	ROCK-LINED CHANNEL
WV	WATER VALVE	=====	BLANKET-LINED CHANNEL
WM	WATER METER		TREE REMOVAL
Ⓜ	MONITORING WELL		FLOWLINE
—W—W—W—W—	WATER LINE	—c—c—c—	CUT
—S—S—S—S—	SEWER LINE	—f—f—f—	FILL
—G—G—G—G—	GAS LINE		
	STORM DRAIN		
—oh—oh—	OVERHEAD UTILITIES		
⌂	POWER/UTILITY POLE		
	UTILITY POLE & GUY ANCHOR		
	FIRE HYDRANT		
—x—	FENCE		
—...—	FLOWLINE		
 28"p	TREE, DIAMETER AND TYPE		
○	STUMP		
 WC	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	CO. OF EL DORADO TRANSPORTATION DIVISION, (530) 573-3180

FOR REDUCED PLANS

REVISION				
	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:



REGISTERED CIVIL ENGINEER

FEBRUARY 4, 2025

DATE:

DESIGNED: DWK	DRAWN: DWK
CHECKED: DWK	DATE: 01/2025
ROAD NUMBER: ---	



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT – PHASE 2 GENERAL NOTES, ABBREVIATIONS, AND LEGEND

SHEET
ii
2 OF 8

CONTRACT NO.
9322

CIP No.
3610 7016

EARTHWORK SUMMARY BY IMPROVEMENT

ALL VOLUMES ARE IN CUBIC YARDS

FACILITY	CUT	FILL
CURB & GUTTER	4	11
ROCKERY	17	383
TOTALS	21	394

THE QUANTITIES SHOWN HAVE BEEN CALCULATED USING THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS. THE VOLUMES SHOWN ARE RAW, MEANING THAT NEITHER SHRINKAGE, SUBSIDENCE, NOR BULKING HAVE BEEN TAKEN INTO ACCOUNT. FOR THE QUANTITIES SHOWN IT IS ASSUMED THAT NO ROCK WAS ENCOUNTERED. IT IS YOUR RESPONSIBILITY TO REVIEW THESE QUANTITIES AND APPLY THE NECESSARY FACTORS TO DETERMINE THE VOLUME OF IMPORT MATERIAL NECESSARY (OR IF IT IS NECESSARY).

THE FILL QUANTITY SHOWN INCLUDES ALL MATERIAL BEHIND THE ROCKERY WALL.

THE QUANTITIES ARE REFLECTIVE OF ALL GRADING FOR THIS PROJECT.



SCALE: 1" = 200'



FOR REDUCED PLANS 2 ORIGINAL SCALE IS IN INCHES 1 0

REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: FEBRUARY 4, 2025

DESIGNED: DWK	DRAWN: DWK
CHECKED: DWK	DATE: 01/2025
ROAD NUMBER: ---	

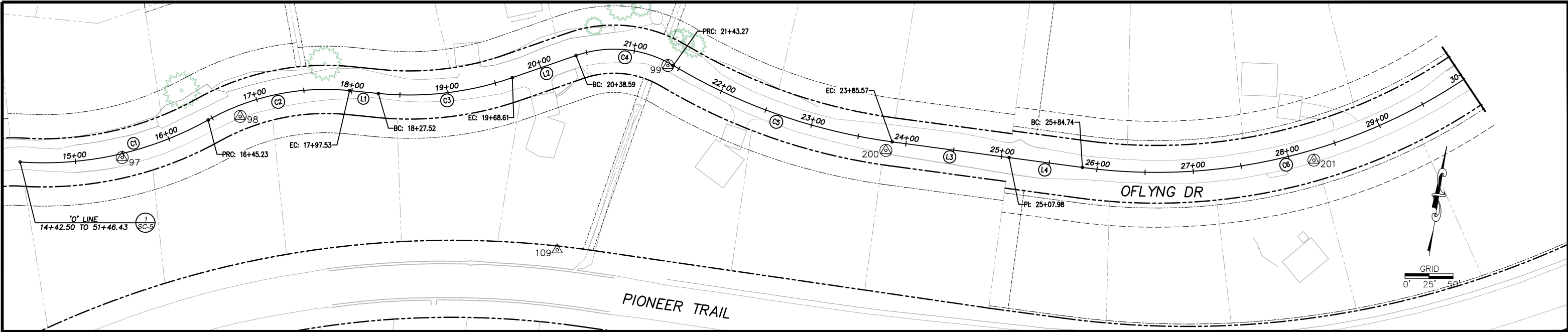


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT – PHASE 2
SHEET INDEX MAP AND EARTHWORK SUMMARY TABLE

SHEET iii
3 OF 8
CONTRACT NO. 9322
CIP No. 3610 7016

0 1 2 ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS
REVISION
Drawing name: \\CD\Users\JD-SL-Engineering\Civil_3D_PROJECTS\8877\Engineering\WPLAN WALL-V_OF_SURVEY_S01.dwg



LEGEND

LINE LABEL (LX)
CURVE LABEL (CX)
PROJECT CONTROL (XX)
SUPPLEMENTAL CONTROL (XX)
RIGHT OF WAY (---)
LOT LINE (---)
DRAINAGE EASEMENT LINE (---)
SLOPE EASEMENT LINE (---)
PUBLIC UTILITY EASEMENT LINE (---)
SETBACK LINE (---)
SNOW STORAGE EASEMENT LINE (---)
NON-VEHICULAR EASEMENT LINE (---)

CONTROL TABLE				
CONTROL NUMBER	Y	X	ELEVATION	DESCRIPTION
97	2082200.73	7129098.64	6401.75	MAG NAIL
98	2082262.08	7129212.93	6403.82	MAG NAIL
99	2082383.72	7129642.93	6396.65	MAG NAIL
109	2082176.69	7129559.45	6349.60	10" SPIKE
200	2082332.00	7129880.23	6413.68	MAG NAIL
201	2082391.56	7130320.48	6422.05	MAG NAIL

PROJECT CONTROL ESTABLISHED FOR THE DESIGN AND CONSTRUCTION ONLY OF THE COUNTY OF EL DORADO OFLYNG EROSION CONTROL PROJECT (CIP 3610 7016)

NUMBER	BEG STATION	END STATION	DESCRIPTION	LENGTH	RADIUS	COURSE	DELTA	BEG Y	BEG X	END Y	END X
(C1)	14+42.50	16+45.23	CURVE LEFT	202.73	349.82	----	33°12'15"	2082179.61	7128994.80	2082253.23	7129180.66
(C2)	16+45.23	17+97.53	CURVE RIGHT	152.30	249.89	----	34°55'10"	2082253.23	7129180.66	2082306.35	7129320.88
(L1)	17+97.53	18+27.52	LINE	29.99	----	N86°42'28"E	----	2082306.35	7129320.88	2082308.08	7129350.82
(C3)	18+27.52	19+68.61	CURVE LEFT	141.09	324.88	----	24°53'00"	2082308.08	7129350.82	2082346.04	7129485.57
(L2)	19+68.61	20+38.59	LINE	69.97	----	N61°49'28"E	----	2082346.04	7129485.57	2082379.08	7129547.25
(C4)	20+38.59	21+43.27	CURVE RIGHT	104.68	119.95	----	50°00'03"	2082379.08	7129547.25	2082384.69	7129648.48
(C5)	21+43.27	23+85.57	CURVE LEFT	242.30	599.77	----	23°08'49"	2082384.69	7129648.48	2082341.87	7129885.30
(L3)	23+85.57	25+07.98	LINE	122.40	----	N88°40'38"E	----	2082341.87	7129885.30	2082344.69	7130007.67
(L4)	25+07.98	25+84.74	LINE	76.76	----	N88°40'31"E	----	2082344.69	7130007.67	2082346.47	7130084.41
(C6)	25+84.74	30+06.91	CURVE LEFT	422.17	574.82	----	42°04'49"	2082346.47	7130084.41	2082503.51	7130466.12
(L5)	30+06.91	32+96.33	LINE	288.42	----	N46°35'38"E	----	2082503.51	7130466.12	2082701.71	7130675.66

'O' LINE
14+42.50 TO 51+46.43
1 SC-5

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
FEBRUARY 4, 2025
DATE:

DESIGNED: DWK
DRAWN: KIS
CHECKED: DWK
DATE: 01/2025
ROAD NUMBER: ---

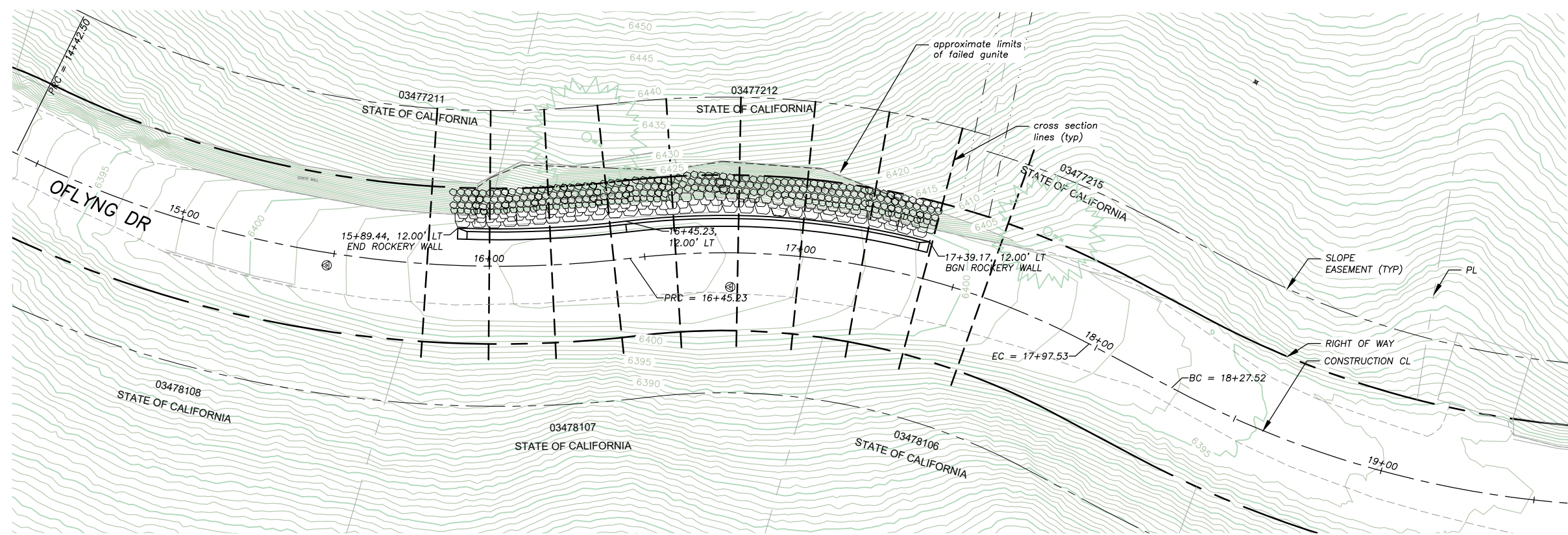


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT – PHASE 2
SURVEY AND CONTROL DIAGRAM

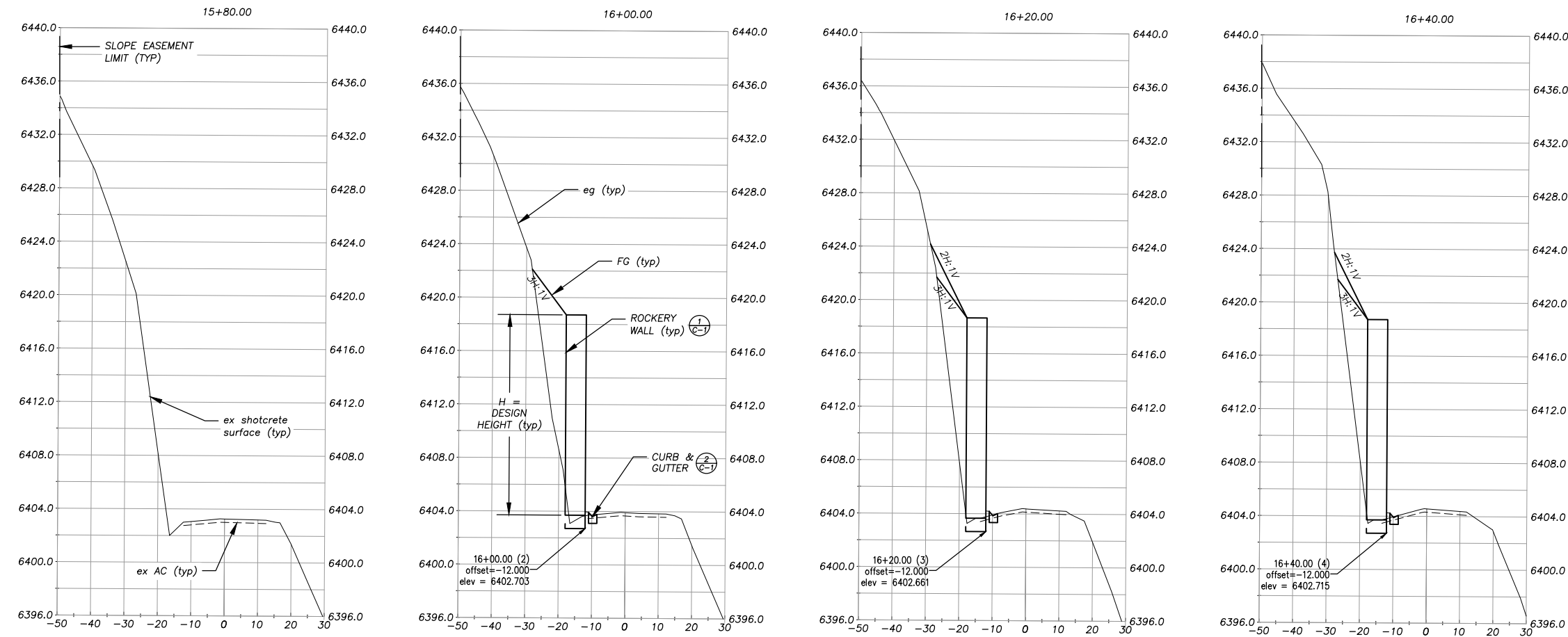
SHEET
CD-1
4 OF 8
CONTRACT NO.
9322
CIP No.
3610 7016

!! 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.



OFLYNG DRIVE STA 14+50.00 TO 19+00.00

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



OFLYNG DRIVE CROSS SECTIONS STA 15+80.00 TO 16+40.00

GENERAL NOTES:

1. THE ROCKERY WALL SECTIONS AS SHOWN ARE TO BE USED A GUIDE. CONTRACTOR SHALL PROVIDE A ROCKERY WALL SUBMITTAL WHICH MEETING THE REQUIREMENTS OF THESE PLANS AND SPECIAL PROVISIONS. ACTUAL DIMENSIONS MAY VARY IN ACCORDANCE WITH DESIGN REQUIREMENTS. ROCKERY WALL SUBMITTAL SHALL BE STAMPED BY A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
2
1
0

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
FEBRUARY 4, 2025
DATE:

DESIGNED: DWK
CHECKED: DWK
ROAD NUMBER: ---
DRAWN: DWK
DATE: 01/2025

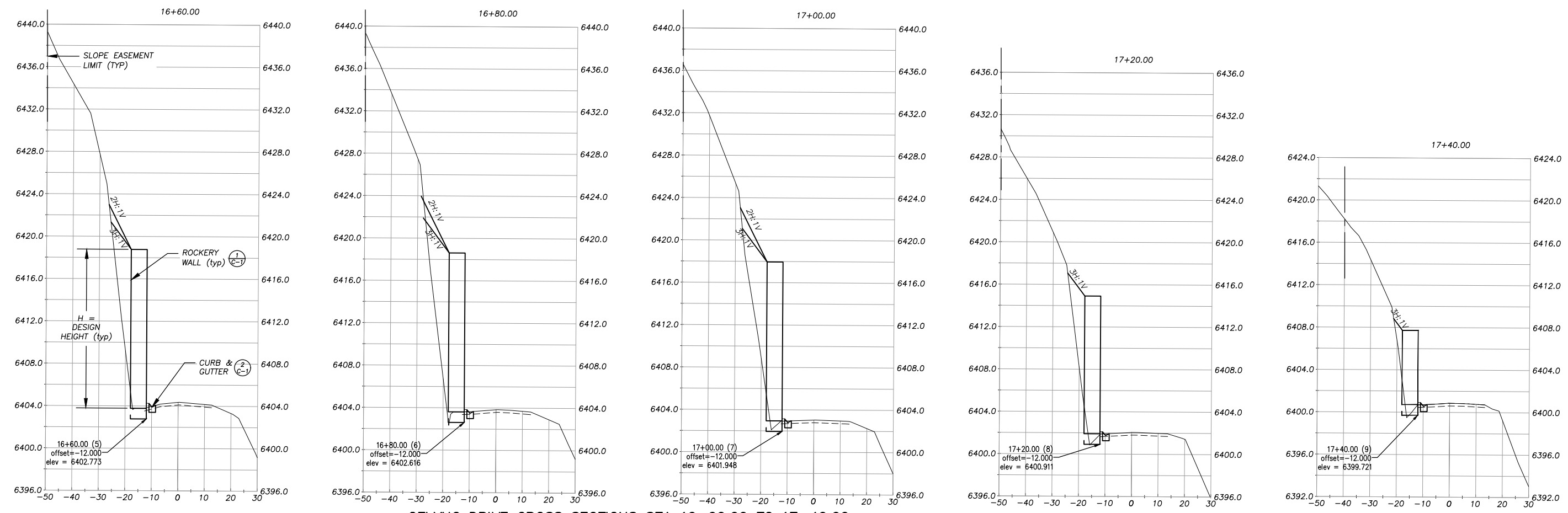
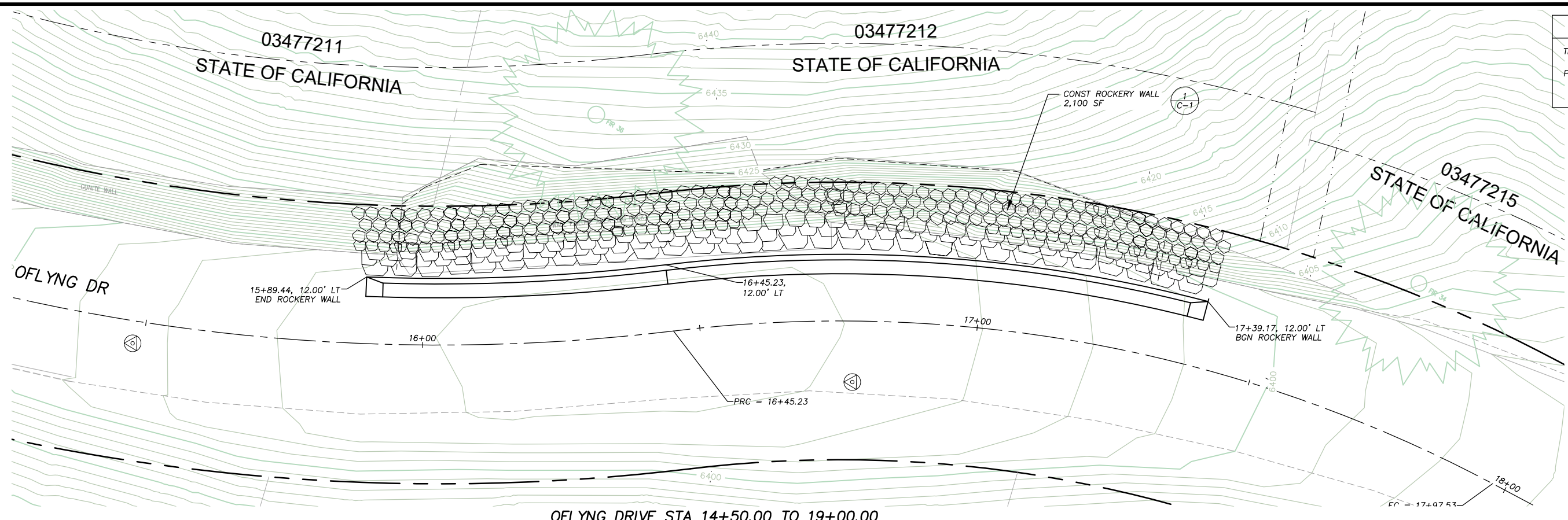


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT - PHASE 2
LAYOUT

SHEET
L-1
5 OF 8
CONTRACT NO.
9322
CIP No.
3610 7016

FOR REDUCED PLANS
1
2
ORIGINAL SCALE IS IN INCHES
Drawing name: \\CDD\Users\TD-SLT-Engineering\Civil_3D\PROJECTS\8877\Engineering\WPLAN WALL VCP WALL P SHEETS.dwg



REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF

REGISTERED CIVIL ENGINEER

FEBRUARY 4, 2025

DATE:

DESIGNED: DWK
CHECKED: DWK
ROAD NUMBER: ---

DRAWN: DWK
DATE: 01/2025



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT - PHASE 2
LAYOUT

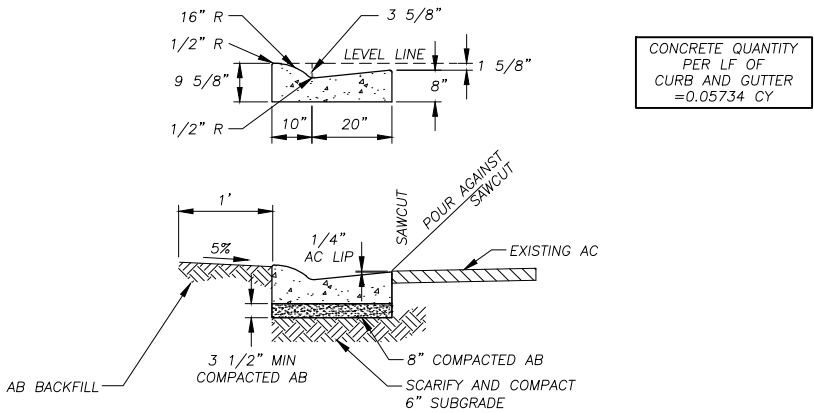
SHEET
L-2
6 OF 8
CONTRACT NO.
9322
CIP No.
3610 7016

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR INSTALLING ROCK SLOPE PROTECTION AT THIS LOCATION.
2. THE ROCKERY WALL DETAILS AS SHOWN ARE TO BE USED AS A GUIDE. CONTRACTOR SHALL PROVIDE A ROCKERY WALL SUBMITTAL WHICH MEETING THE REQUIREMENTS OF THESE PLANS AND SPECIAL PROVISIONS. ACTUAL DIMENSIONS MAY VARY IN ACCORDANCE WITH DESIGN REQUIREMENTS. ROCKERY WALL SUBMITTAL SHALL BE STAMPED BY A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.
3. CONTRACTOR SHALL REMOVE AND DISPOSE OF REMNANTS OF SHOTCRETE AND ROCK WITHIN THE ROCKERY WALL LIMITS AS PART OF THE WORK.
4. UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON THIS PAGE IS INCLUDED IN THE PER SQUARE FOOT PRICE FOR "ROCK SLOPE PROTECTION (ROCKERY WALL, METHOD A)".
5. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. REFER TO THE CONTRACT SPECIFICATIONS AND GEOTECHNICAL REPORT (SUPPLEMENTAL PROJECT INFORMATION) FOR DESIGN PARAMETERS.

STATIONING	SIDE	MAXIMUM HEIGHT, H (FT)	MINIMUM BASE ROCK WIDTH, B (FT)	MAXIMUM CUT SLOPE BATTER V:H 1	ROCKERY (SF)
15+90 TO 17+00	LT	15	6	Per Engineer	1650
17+10 TO 17+30	LT	13	6	Per Engineer	390
17+30 TO 17+40	LT	6	4	Per Engineer	60
TOTAL					2,100

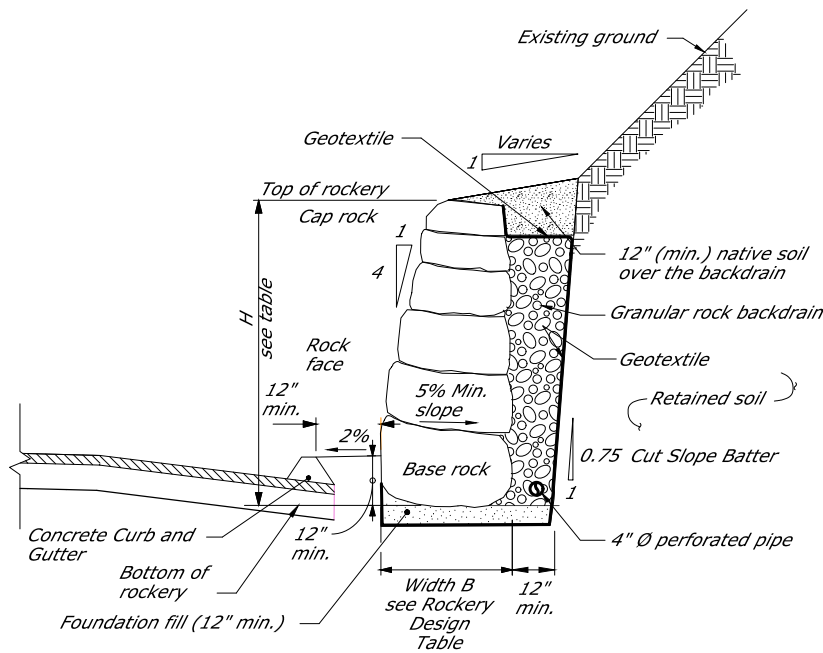
1. See Note 2 above



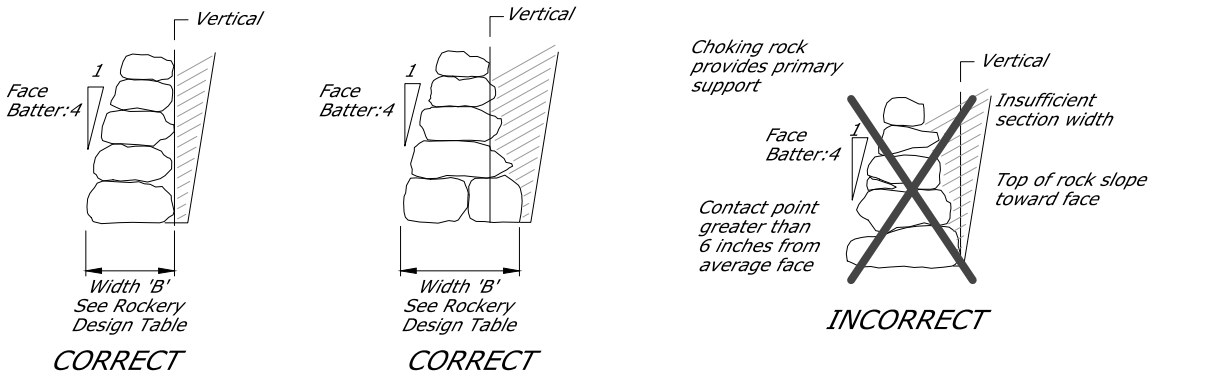
ROLLED CURB AND GUTTER

NTS

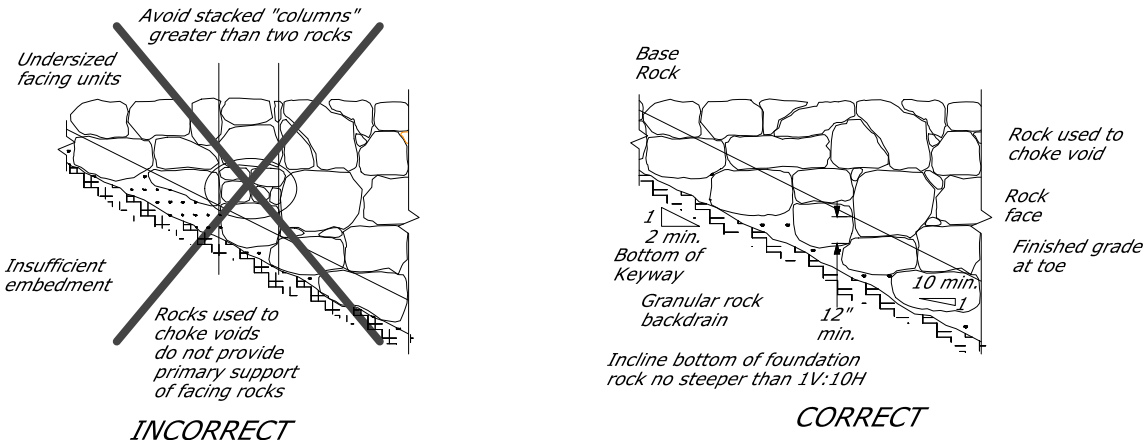
2
C-1



ROCKERY WITH CURB
TYPICAL SECTION



SECTION PROPERTIES



PARTIAL TYPICAL PROFILE

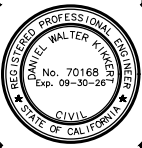
ROCKERY WALL WITH CURB & GUTTER

NTS

1
C-1

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: \\CD\Users\TD-SLT-Engineering\CIVIL_3D_PROJECTS\9322\9322\Engineering\NPLAN WALL\DET WALL P SHEETS.dwg

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: FEBRUARY 4, 2025

DESIGNED: DWK
CHECKED: DWK
DATE: 01/2025
ROAD NUMBER: ---



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT – PHASE 2
CONSTRUCTION DETAILS

SHEET
C-1
7 of 8
CONTRACT NO.
9322
CIP No.
3610 7016

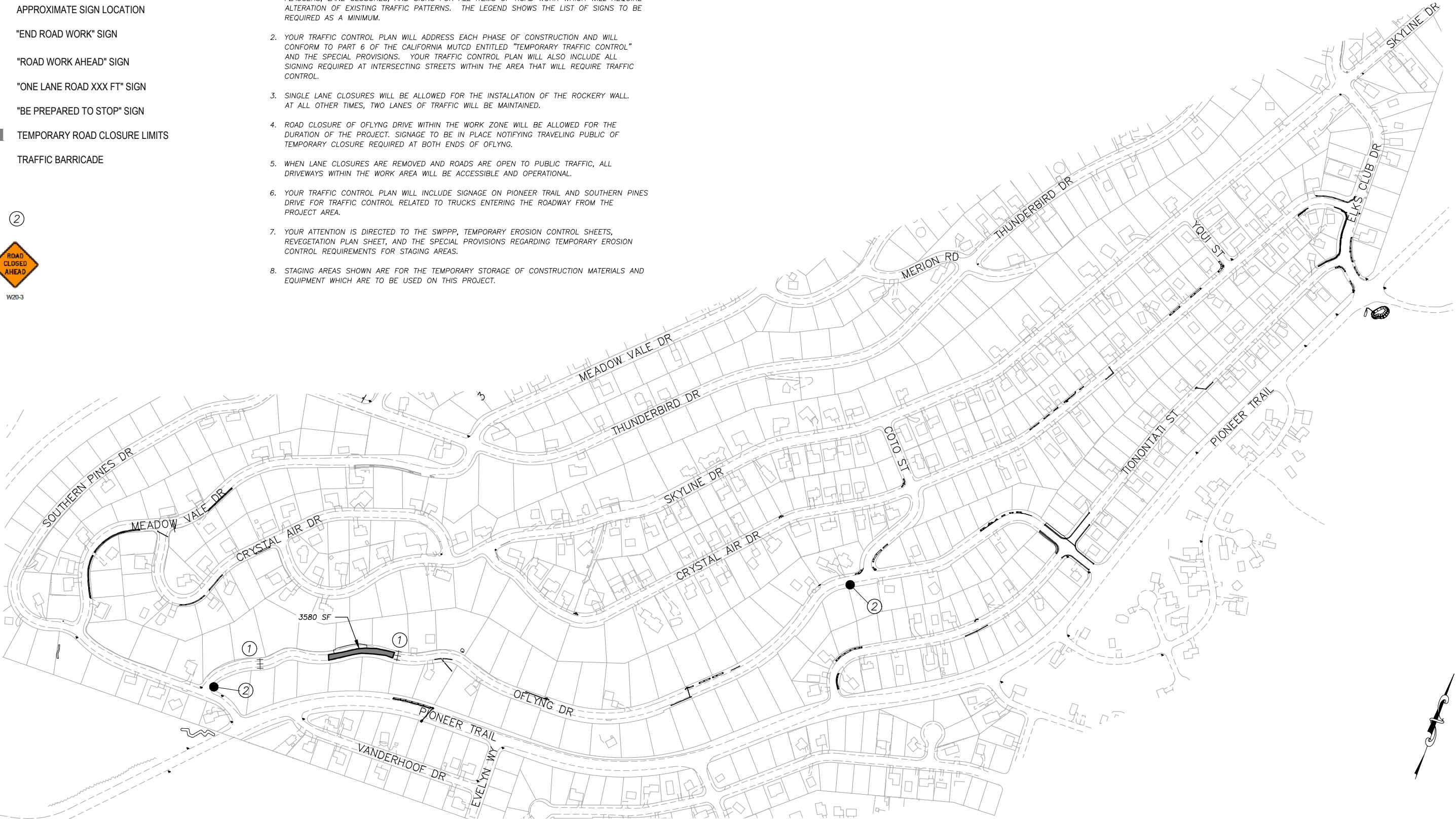
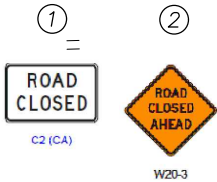
Drawing name: \\C:\Data\5\TD-S\T-Engineering\Civil_3D PROJECTS\95177\Engineering\PLAN WALL\32 OF WALL TC-1.dwg
2 ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS

LEGEND

- PROPOSED STAGING AREA WITH SF
- APPROXIMATE SIGN LOCATION
- G20-2 "END ROAD WORK" SIGN
- W20-1 "ROAD WORK AHEAD" SIGN
- W20-4 "ONE LANE ROAD XXX FT" SIGN
- W3-4 "BE PREPARED TO STOP" SIGN
- TEMPORARY ROAD CLOSURE LIMITS
- TRAFFIC BARRICADE

NOTES:

- THIS PLAN HAS BEEN PREPARED AS A GUIDE FOR YOU IN PREPARATION OF A COMPLETE TRAFFIC CONTROL PLAN AND TO AID IN YOUR PLANNING FOR STAGING/STORAGE OF MATERIALS AND EQUIPMENT. YOUR TRAFFIC CONTROL PLAN WILL INCLUDE DETAILED CONTROLS INCLUDING FLAGGERS, LANE CLOSURES, AND SIGNS FOR ALL ITEMS OF ROAD WORK WHICH WILL REQUIRE ALTERATION OF EXISTING TRAFFIC PATTERNS. THE LEGEND SHOWS THE LIST OF SIGNS TO BE REQUIRED AS A MINIMUM.
- YOUR TRAFFIC CONTROL PLAN WILL ADDRESS EACH PHASE OF CONSTRUCTION AND WILL CONFORM TO PART 6 OF THE CALIFORNIA MUTCD ENTITLED "TEMPORARY TRAFFIC CONTROL" AND THE SPECIAL PROVISIONS. YOUR TRAFFIC CONTROL PLAN WILL ALSO INCLUDE ALL SIGNING REQUIRED AT INTERSECTING STREETS WITHIN THE AREA THAT WILL REQUIRE TRAFFIC CONTROL.
- SINGLE LANE CLOSURES WILL BE ALLOWED FOR THE INSTALLATION OF THE ROCKERY WALL. AT ALL OTHER TIMES, TWO LANES OF TRAFFIC WILL BE MAINTAINED.
- ROAD CLOSURE OF OFLYNG DRIVE WITHIN THE WORK ZONE WILL BE ALLOWED FOR THE DURATION OF THE PROJECT. SIGNAGE TO BE IN PLACE NOTIFYING TRAVELING PUBLIC OF TEMPORARY CLOSURE REQUIRED AT BOTH ENDS OF OFLYNG.
- WHEN LANE CLOSURES ARE REMOVED AND ROADS ARE OPEN TO PUBLIC TRAFFIC, ALL DRIVEWAYS WITHIN THE WORK AREA WILL BE ACCESSIBLE AND OPERATIONAL.
- YOUR TRAFFIC CONTROL PLAN WILL INCLUDE SIGNAGE ON PIONEER TRAIL AND SOUTHERN PINES DRIVE FOR TRAFFIC CONTROL RELATED TO TRUCKS ENTERING THE ROADWAY FROM THE PROJECT AREA.
- YOUR ATTENTION IS DIRECTED TO THE SWPPP, TEMPORARY EROSION CONTROL SHEETS, REVEGETATION PLAN SHEET, AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
- STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT.



REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF
[Signature]
REGISTERED CIVIL ENGINEER
FEBRUARY 4, 2025
DATE:

DESIGNED: DWK
CHECKED: DWK
DRAWN: DWK
DATE: 01/2025
ROAD NUMBER: ---



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

OFLYNG WATER QUALITY PROJECT – PHASE 2
TRAFFIC CONTROL PLAN

SHEET
TC-1
8 OF 8
CONTRACT NO.
9322
CIP No.
3610 7016