COUNTY OF EL DORADO, CA COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION

PROJECT PLANS FOR THE CONSTRUCTION OF THE 2014

CSA 5 UPPER AREA EROSION CONTROL PROJECT

IN THE COUNTY OF EL DORADO, DISTRICT 5, PORTION OF NORTHWEST 1/4 SEC 17, T14N, R17E, MDB&M

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

LOCATION MAP

TITLE SHEET GENERAL NOTE, ABBREVIATIONS, LEGEND SHEET INDEX SURVEY CONTROL AND ALIGNMENT LISTING 7TH AVE. STORM DRAIN PLAN AND PROFILE 6TH AVE. STORM DRAIN PLAN AND PROFILE PINE ST. STORM DRAIN PLAN AND PROFILE X-1X-SECTIONS HORIZONTAL CONTROL D-1**DETAILS** D-2DETAILS D-3TEMPORARY EROSION CONTROL PLAN TEMPORARY EROSION CONTROL DETAILS T-1 TRAFFIC CONTROL PLAN REVEGETATION PLAN R-1

SHEET NO. SHEET NAME TITLE

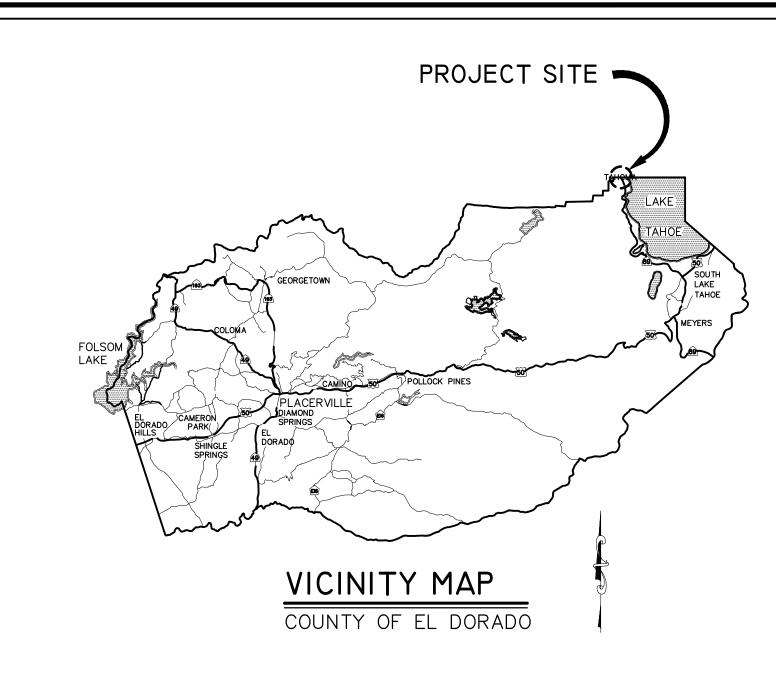
Index of Sheets

TAHOMA LAKE TAHOE ELM ST CSA 5 UPPER AREA EROSION CONTROL PROJECT

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	





FUNDING AGENCY

CALIFORNIA TAHOE CONSERVANCY

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

NO.

14-0681 C 1 of 16

- CONSTRUCTION HOURS SHALL BE WEEKDAYS BETWEEN 8:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE COUNTY
- 3. THE LOCATIONS AND EXTENT OF EXISTING 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 EXISTING UTILITIES BASED UPON AVAILABLE RECORDS. THE CONTRACTOR SHALL DETERMINE THE TYPE, LOCATION, SIZE, AND/OR DEPTH OF THE EXISTING UTILITIES WITHIN THE WORK AREA BEFORE COMMENCING WORK. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION. SEE SPECIAL PROVISIONS FOR CONTRACTOR NOTIFICATION REQUIREMENTS. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
- UNLESS NOTED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION.
- 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 AND FOR PUBLIC SAFETY IN ACCORDANCE WITH THESE PLANS, THE STANDARD SPECIFICATIONS, AND THE CURRENT CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 6. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTRACT AND STANDARD SPECIFICATIONS.
- 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), AS PROVIDED IN THE LIMITED EXEMPTION DESCRIBED IN SUBSECTION 4.2.A. 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 SHALL OBTAIN THESE APPROVALS.
- 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.
- ALL CONTROL STATIONING AND DATA DIMENSIONING ARE REFERENCED TO THE CENTERLINE OF THE FACILITY SHOWN UNLESS OTHERWISE NOTED. STATIONING AND DIMENSIONING FOR THE CONCRETE CURB AND GUTTER IS ALONG THE TOP BACK OF CURB, IF APPLICABLE.
- 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 TAHOE CITY PUBLIC UTILITY DISTRICT (TCPUD) AND TAHOE CEDARS WATER COMPANY. APPROVAL SHALL BE REQUESTED AT LEAST 48 HOURS IN ADVANCE OF THE TIME THAT THE INTERRUPTION OF THE EXISTING SYSTEM IS REQUIRED. ANY INTERRUPTION OF SERVICE 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, THE CONTRACTOR MUST ADVISE TCPUD AND TAHOE CEDARS WATER COMPANY.
- 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 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). THE DOT SHALL CONTACT TRPA PRIOR TO THE COMMENCEMENT OF WORK FOR A PRE-GRADING INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. SEE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL FACILITY REMOVAL.
- 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 ERECTED 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 IF APPLICABLE.
- 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.
- ELEVATIONS SHOWN ON THE PLANS FOR PIPE INVERTS, TOPS OF GRATES, RIMS, CURBS, 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 TD, 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. CONTRACTOR SHALL NOTE THAT THE PLANS SHOW BOTH HORIZONTAL AND SLOPE (ACTUAL) LENGTHS FOR PIPE. SEE SPECIAL PROVISIONS FOR THE MAXIMUM ALLOWABLE DEFLECTION ANGLE AT EACH PIPE JOINT.
- 22. THE LIMITS OF GRADING ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO PLACE FILL AS SHOWN ON THE DETAILS, CROSS SECTIONS, AND AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR THE RAW EARTHWORK QUANTITIES ASSOCIATED WITH GRADING.

ABBREVIATIONS

	ABE	BREVIATIONS	
8	NOTE: LOWER CASE TEXT	WITHIN PLAN SET	INDICATES FXISTING
Δ	DELTA = DEFLECTION ANGLE	LP	LOW POINT
A	ASPEN	ĹT	LEFT
AB	AGGREGATE BASE	LTD	LAKE TAHOE DATUM
ABC	ARTICULATED BLOCK CHANNEL	MISC	MISCELLANEOUS
ABAND	ABANDONED	MOC	MID POINT ON CURVE
AC	ASPHALT CONCRETE	N	NORTH
ACS	ASPHALT CONCRETE SWALE	NIC	NOT IN CONTRACT
ACP	ASBESTOS CEMENT PIPE	NTS	NOT TO SCALE
AP	ANGLE POINT	OAE	OR APPROVED EQUAL
APN	ASSESSOR'S PARCEL NUMBER	OC	ON CENTER
AV/AR	AIR VACUUM/AIR RELEASE VALVE	OD	OUTSIDE DIAMETER
BC	BEGIN CURVE	OH	OVERHEAD
BCR	BEGIN CURB RETURN	0/s	OVERSIDE
BGN BLO	BEGIN	P	PINE DE RECININA DE CURVE
BLC	BLANKET LINED CHANNEL	PC PCC	POINT OF BEGINNING OF CURVE
BLVD BO	BOULEVARD BLOW OFF	PERF	PORTLAND CEMENT CONCRETE PERFORATED
BR	BOTTOM OF ROCK	PL PL	RECORD PARCEL LINE
BVCE	BEGIN VERTICAL CURVE ELEVATION	POCC	POINT OF COMPOUND CURVE
BVCS	BEGIN VERTICAL CURVE STATION	POCVCE	
C	CEDAR	POCVCS	
C STA	CUL-DE-SAC STATIONING	POR	PORTION
CALC'S	CALCULATIONS	PORVCE	
CC	CENTER TO CENTER	PORVCS	POINT OF REVERSE VERTICAL CURVE STATION
CF	CUBIC FEET OR CURB FACE	PP	POWER/UTILITY POLE
CHD	CHORD DIRECTION	PRC	POINT OF REVERSE CURVE
CIR	CIRCLE	PROP	PROPOSED
ę	CENTERLINE	PT	POINT OR POINT OF TANGENCY
<u>C</u> L	CLASS OR CENTERLINE	PUE	PUBLIC UTILITY EASEMENT
CLF	CONSTRUCTION LIMIT FENCE		POLYVINYL CHLORIDE
CLR	CLEAR	PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
co	CURB OPENING	PVIS	POINT OF VERTICAL INTERSECTION STATION
CO.	COUNTY	R	RADIUS
CONC	CONCRETE	R&R	REMOVE & REPLACE
CONST	CONSTRUCT	RC	RELATIVE COMPACTION
CMP CT	CORRUGATED METAL PIPE CALTRANS OR COURT		REINFORCED CONCRETE PIPE
CTC		RD REF	ROAD
CY	CUBIC YARD	REQ'D	REFERENCE REQUIRED
C&G	CURB AND GUTTER	RLC	ROCK—LINED CHANNEL
D	DEPTH	ROW	
DB	DRAIN BASIN	RR	RAILROAD
DBL	DOUBLE	RSP	
DET	DETAIL	RT	RIGHT
DI	DRAINAGE INLET OR DUCTILE IRON	S	SOUTH OR SANITARY SEWER
DIA OR Ø	DIAMETER	SCO	
DISS	DISSIPATOR	SD	STORM DRAIN
DR	DRIVE	SDMH	STORM DRAIN MANHOLE
D/W	DRIVEWAY	SF	SQUARE FEET
Ε	EAST	SHT	SHEET
EA	EACH	SL	SLOPE LENGTH
EC	END OF CURVE	SLI	SLOPE LENGTH IN PAVEMENT
ECR	END OF CURB RETURN	SLO	
EG	EXISTING GRADE	SMH	SEWER MANHOLE
ELEV	ELEVATION	SP	SPECIAL PROVISIONS
ELEC	ELECTRIC ELECTRIC	ST	
EP ECMT	EDGE OF PAVEMENT	STA	STATION
ESMT		STD	STANDARD
EVCE	END VERTICAL CURVE STATION	STL	STEEL STORM WATER ROLLLITION REFVENTION REAN
EVCS EX	END VERTICAL CURVE STATION EXISTING	SWPPP T	STORM WATER POLLUTION PREVENTION PLAN
EX F	EXISTING FIR	ı TBC	TELEPHONE TOP BACK OF CURB
r FES	FIR FLARED END SECTION	TBD	TOP BACK OF CURB TOP BACK OF DIKE
res cc	FLARED END SECTION	ישו	TOF DAGN OF DINE

TCPUD

TD

TR

TRANS

TRPA

TTL

TW

TYP

UG

UKN

USFS

TBM

XXXXX.XELEVATION SEWER MANHOLE smh SEWER CLEAN OUT DRAINAGE INLET GAS METER WATER VALVE WATER METER MONITORING WELL WATER LINE — —s — SEWER LINE GAS LINE SEWER FORCE MAIN — —sd— — STORM DRAIN — — oh— — OVERHEAD ELECTRIC POWER/UTILITY POLE UTILITY POLE & GUY ANCHOR FIRE HYDRANT AC DIKE RETAINING WALL OVERSLOPE DRAIN

EXISTING

LEGEND

EX	STING		POSED
(SCREENED AND/OR DASHED)	EXISTING (AS NOTED)		CENTERLINE
	RECORD RIGHT-OF-WAY LINE		SAWCUT (AS NOTED)
	RECORD PARCEL LINE		MISC PAVING (ROADWAY)
	LIMITS OF TEMPORARY CONSTRUCTION EASEMENT		TIE-IN PAVEMENT (ROADWAY)
	LAND CAPABILITY BOUNDARY		AC REMOVE (ROADWAY)
	SEZ SETBACK		AC REMOVE & RESTORE
OR 🔾	ROCK		AC D/W REMOVE & REPLACE
XXXX.X	ELEVATION		MISCELLANEOUS GRADING
O smh	SEWER MANHOLE	xxxx.xx	ELEVATION
o SCO	SEWER CLEAN OUT	X	ELEVATION,
	DRAINAGE INLET	X X X	LT, EG CL, RT (PROFILE ONLY)
gm	GAS METER		ROLLED C&G
wv	WATER VALVE	0	SEDIMENT TRAP OR DRAIN BASI
wm	WATER METER		DRAINAGE INLET
W	MONITORING WELL	$\nabla \nabla$	CUT OR FILL SLOPE
w	WATER LINE	X	DETAIL REF NUMBER SHEET NUMBER
— —s — —	SEWER LINE		ROCK
— —g— —	GAS LINE	△/4	ONE-QUARTER DELTA
fm	SEWER FORCE MAIN		SD PIPE, (MATERIAL AS NOTED)
— —sd— —	STORM DRAIN	— FF — CLF —	FILTER FENCE OR CONSTRUCTION LIMIT FENCE
oh	OVERHEAD ELECTRIC	0	SD MANHOLE
0	POWER/UTILITY POLE	D	FLARED END SECTION
₽	UTILITY POLE & GUY ANCHOR	#:#	SLOPE RATIO, H: V
0	FIRE HYDRANT		ROCK LINED CHANNEL
	AC DIKE		GRASS LINED SWALE
	RETAINING WALL		GRASS LINED SWALE (PROFILE)
	OVERSLOPE DRAIN		TREE REMOVAL
28" P	TREE, DIAMETER AND TYPE	34 No. 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	TREE PROTECTION
stump	STUMP		FLOWLINE
	WILLOW CLUSTER		
	SURVEY CONTROL POINT		
· · · · · · · · · · · · · · · · · · ·			

PROPOSED

UTILITIES

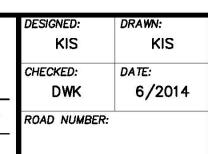
CABLE TELEVISION NATURAL GAS **ELECTRIC** SEWER WATER **TELEPHONE** STORM DRAIN

CHARTER COMMUNICATIONS, (775) 588-1077 SOUTHWEST GAS, (530) 543-3225 LIBERTY UTILITIES, (530) 541-6400 TAHOE CITY PUD, (530) 583-3796 TAHOE CEDARS WATER COMPANY, (530) 525-7555 ATT, (530) 888-2031

EL DORADO COUNTY DOT, (530) 573-3180

E VISION				
-E.	NUMBER	DATE	DESCRIPTION	вү

REGISTERED CIVIL ENGINEER



FILTER FENCE

FINISHED GRADE

FIRE HYDRANT

FORCE MAIN

FINISH SURFACE

GRADE BREAK

GAS VALVE

HORIZONTAL

HIGH POINT

INTERSECTION

LINEAR FEET

INSTALL

LENGTH

INSIDE DIAMETER

INVERT ELEVATION

LENGTH OF CHORD

FORCE MAIN MANHOLE

GRASS-LINED SWALE

HIGH DENSITY POLYETHYLENE

FLOWLINE

GAUGE



COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION

TAHOE CITY PUBLIC UTILITY DISTRICT

TAHOE REGIONAL PLANNING AGENCY

UNITED STATES FOREST SERVICE

TOP OF DIKE

TO BE REMOVED

TOP OF GRATE

TOP OF ROCK

TRANSITION

TOP OF WALL

UNDERGROUND

WEST OR WATER

WILLOW CLUSTER

WATER VALVE

TYPICAL

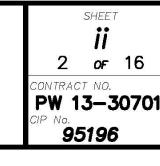
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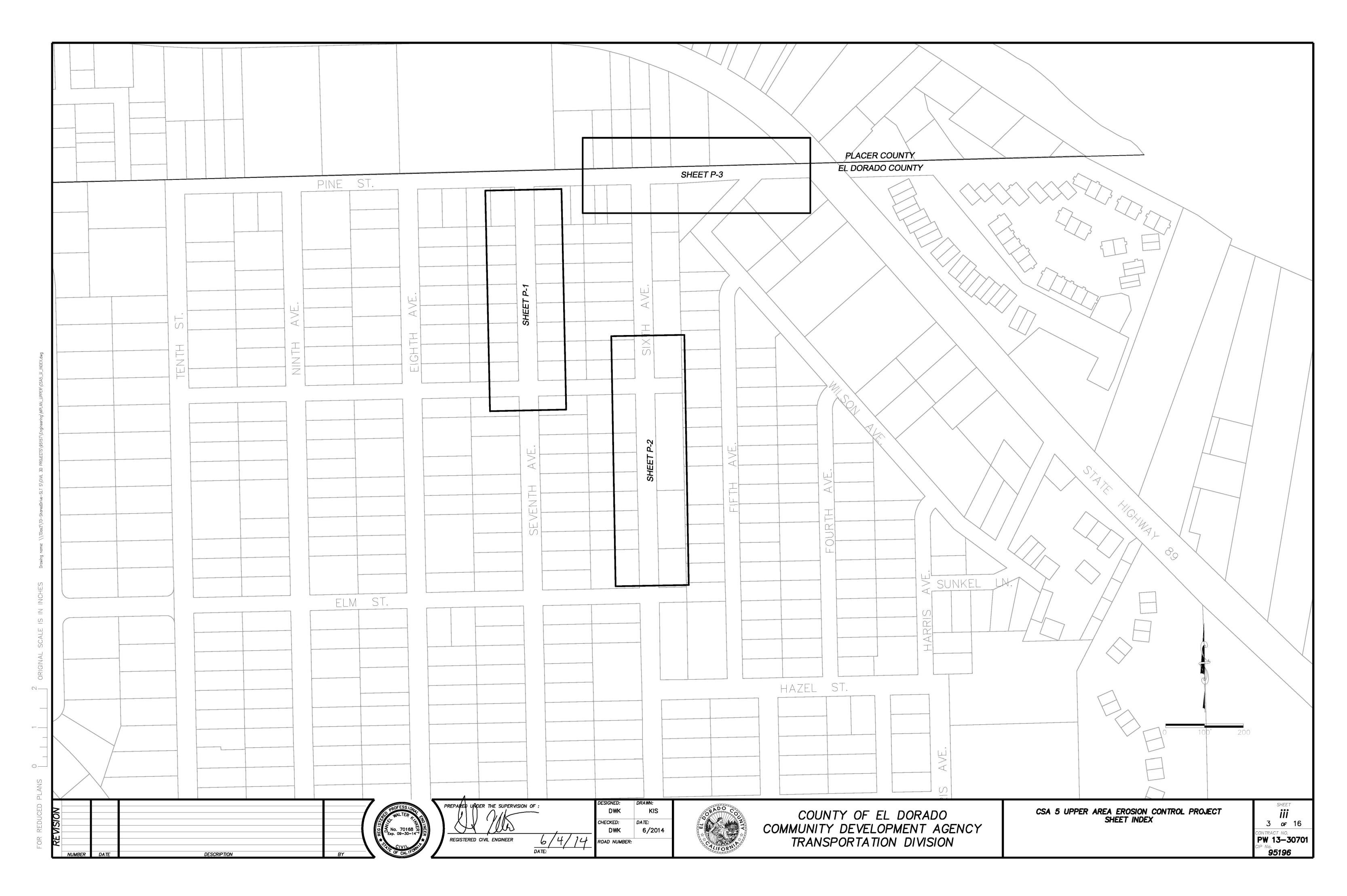
VERTICAL

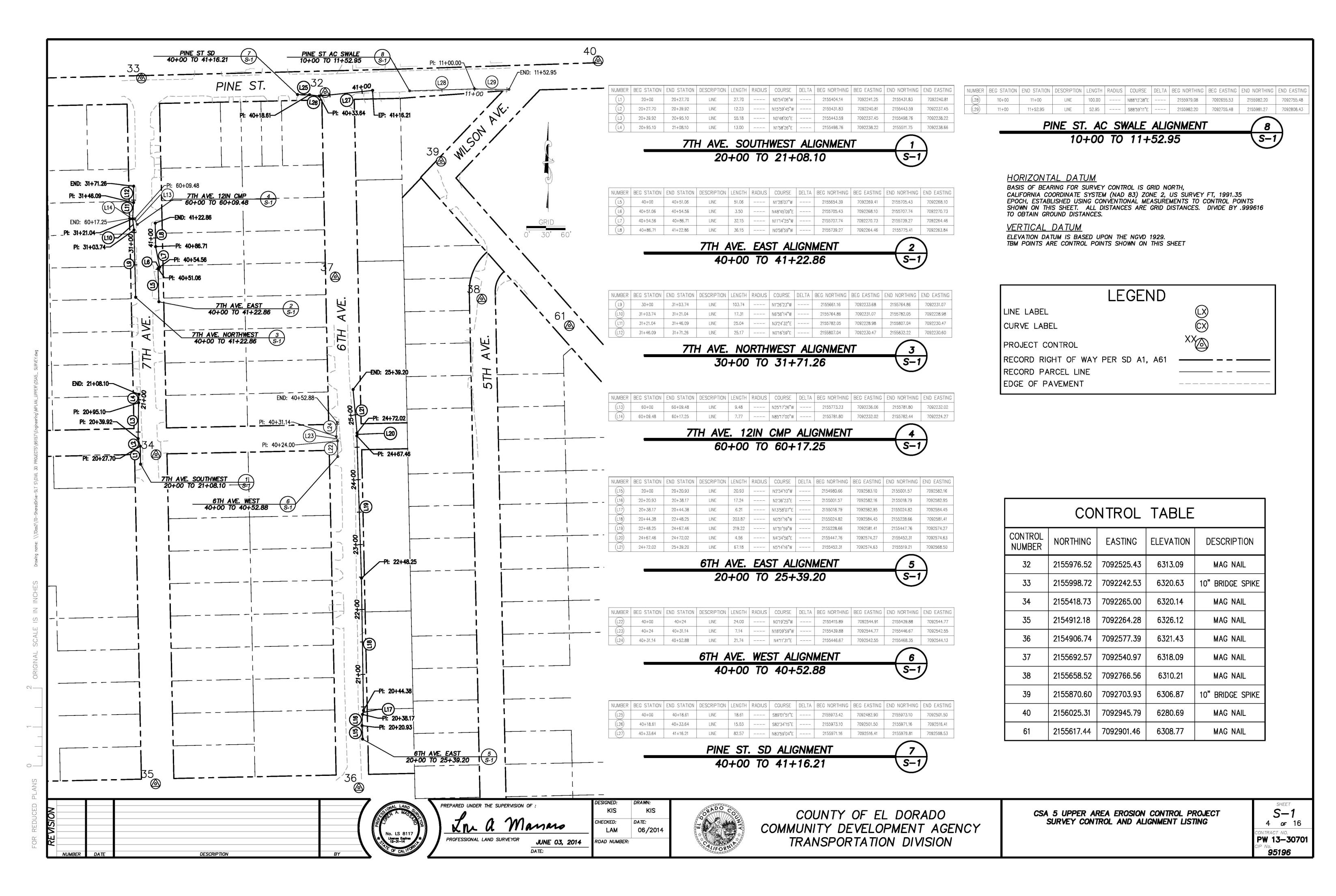
WITHOUT

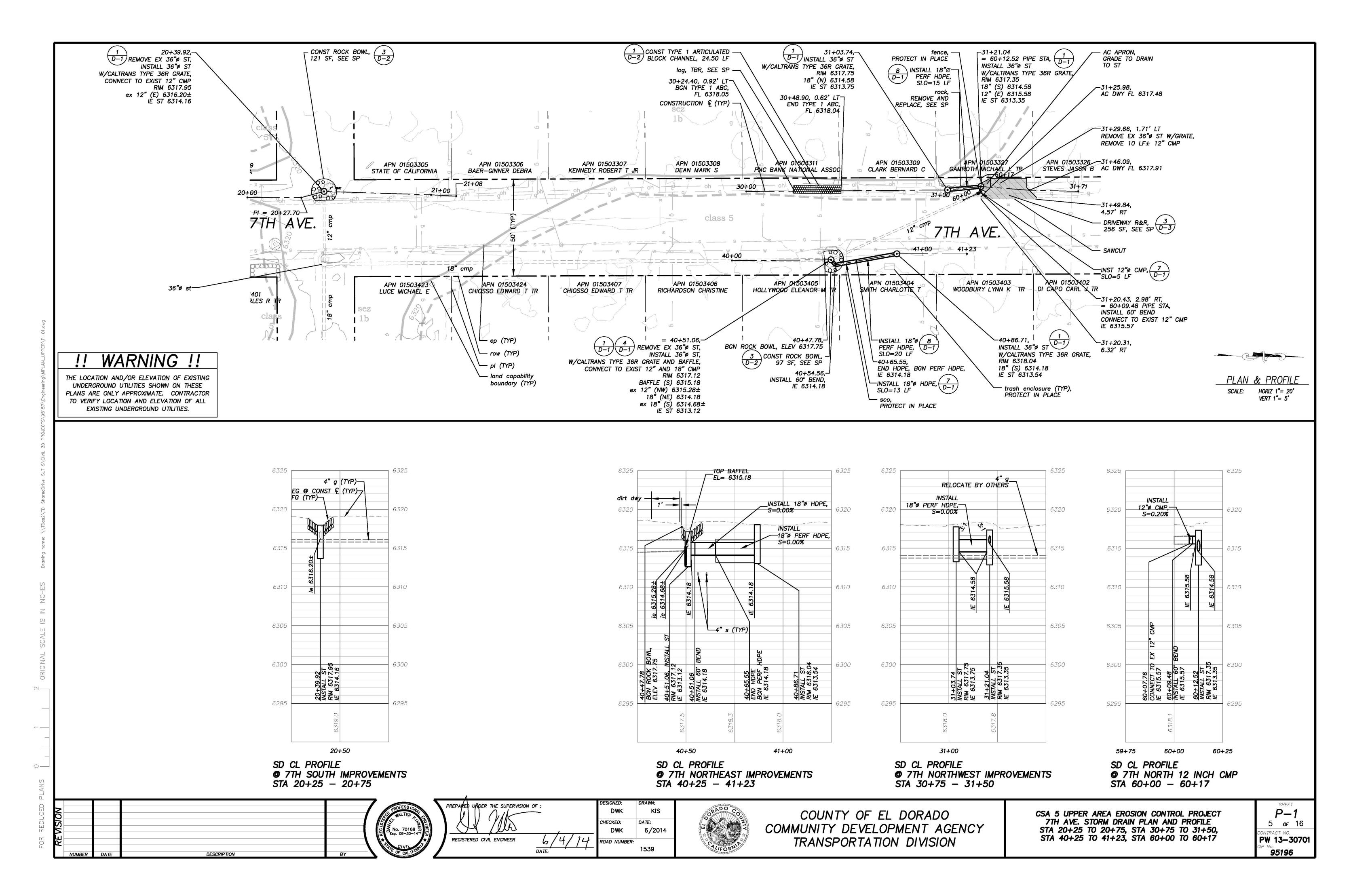
TEMPORARY BENCHMARK

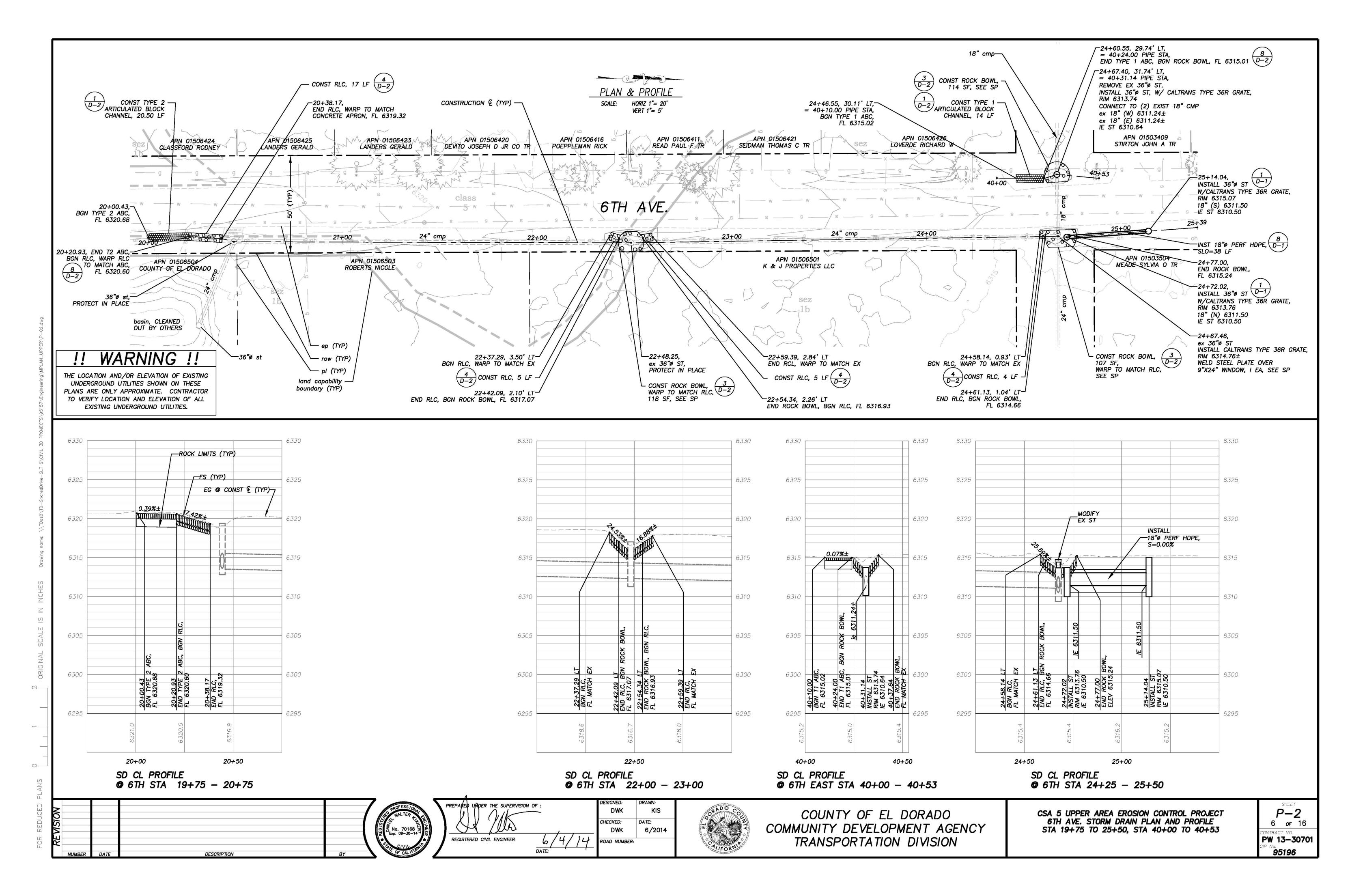
CSA 5 UPPER AREA EROSION CONTROL PROJECT GENERAL NOTE, ABBREVIATIONS, LEGEND

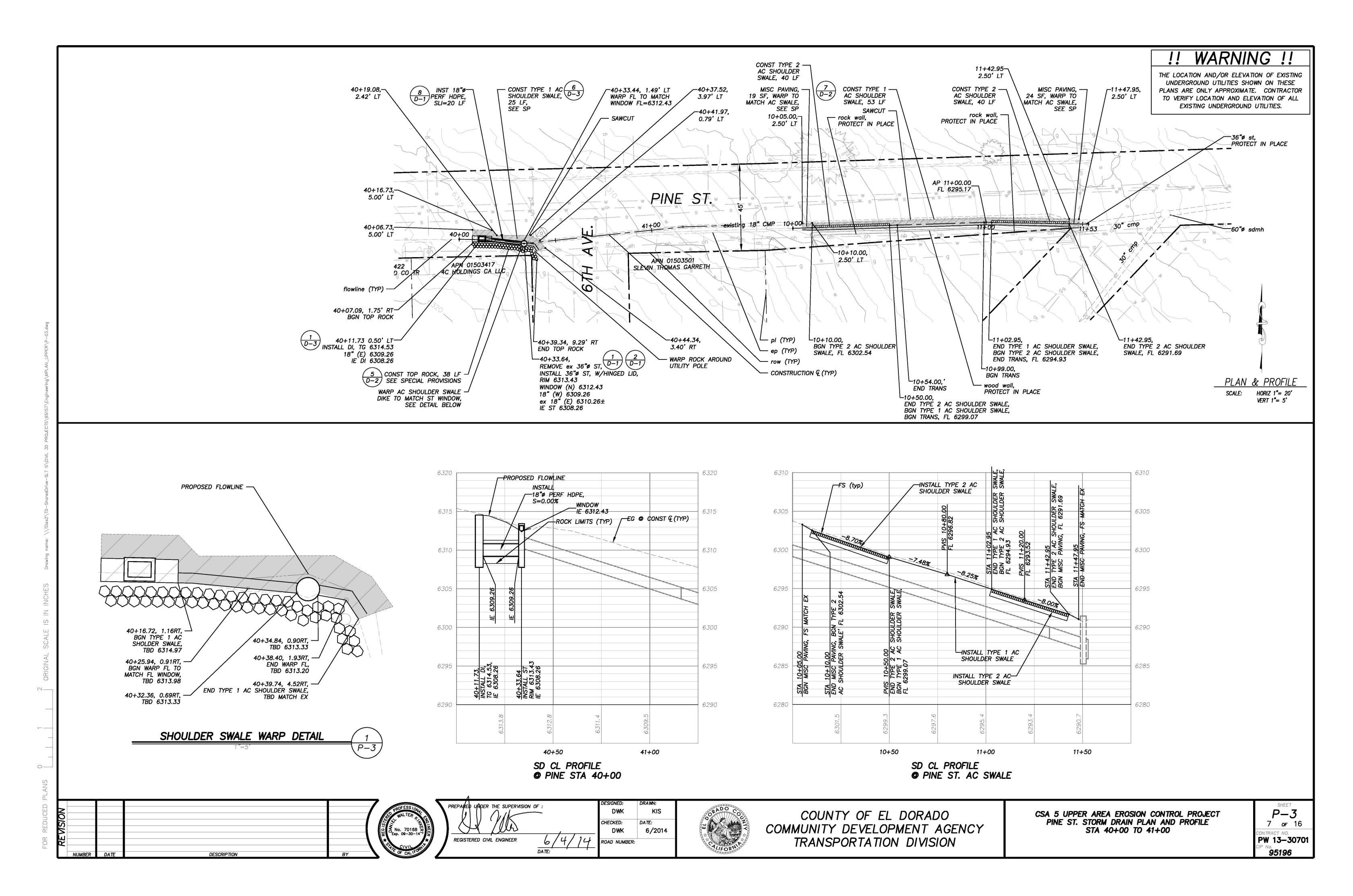


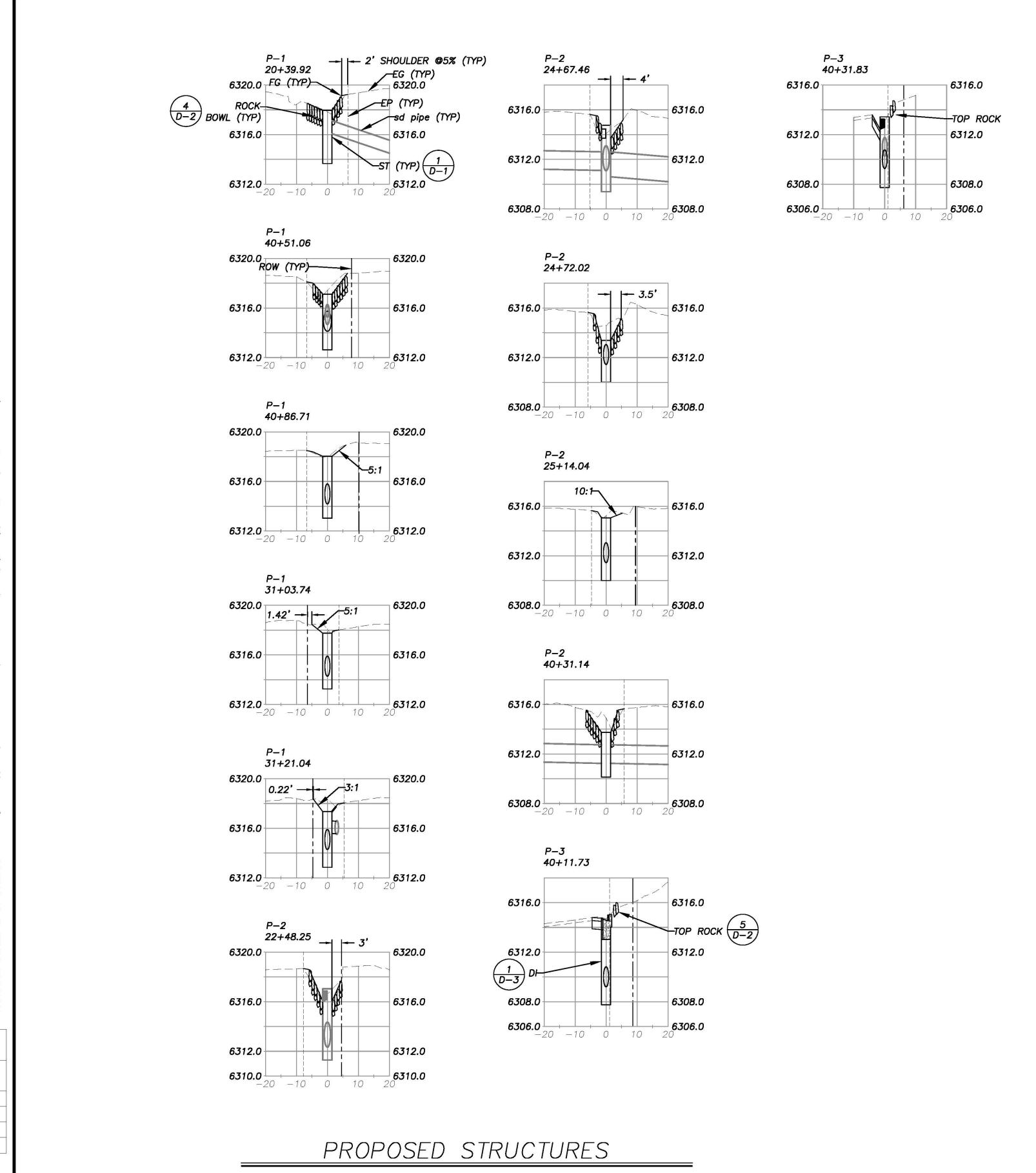




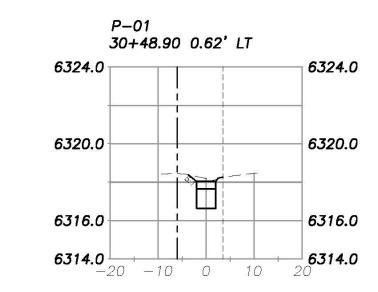


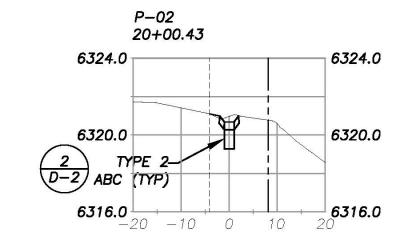


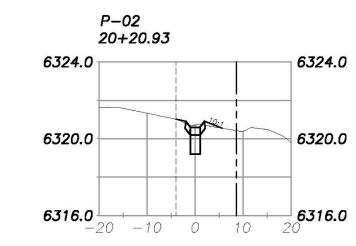


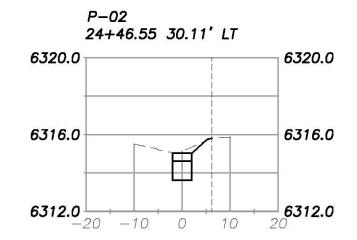


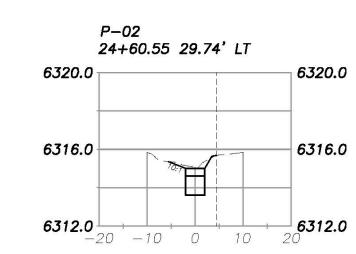






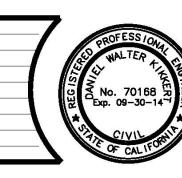


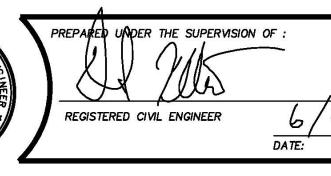


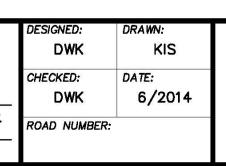


PROPOSED ARTICULATED BLOCK

DESCRIPTION



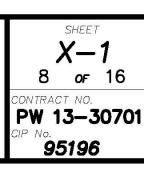


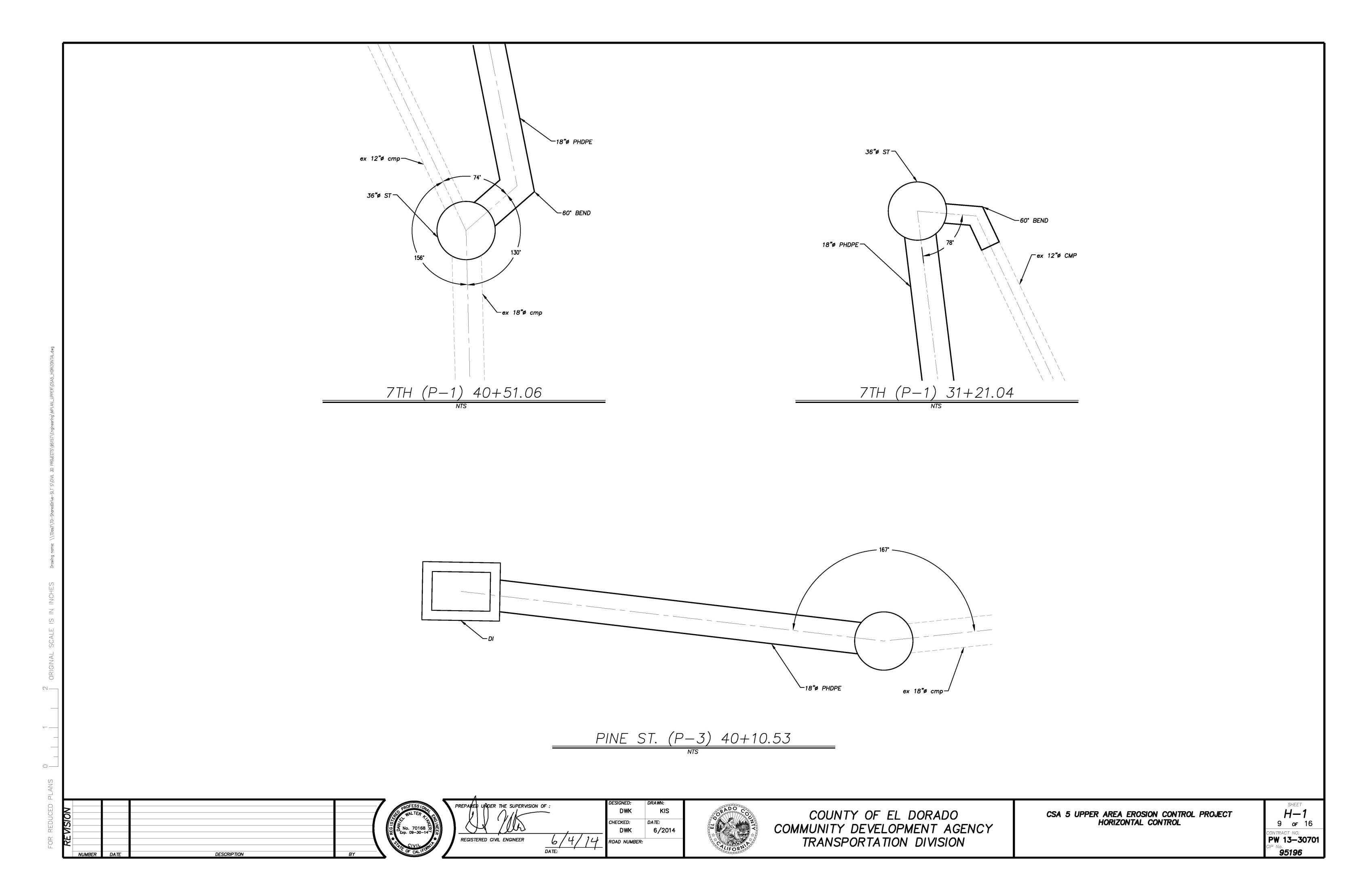


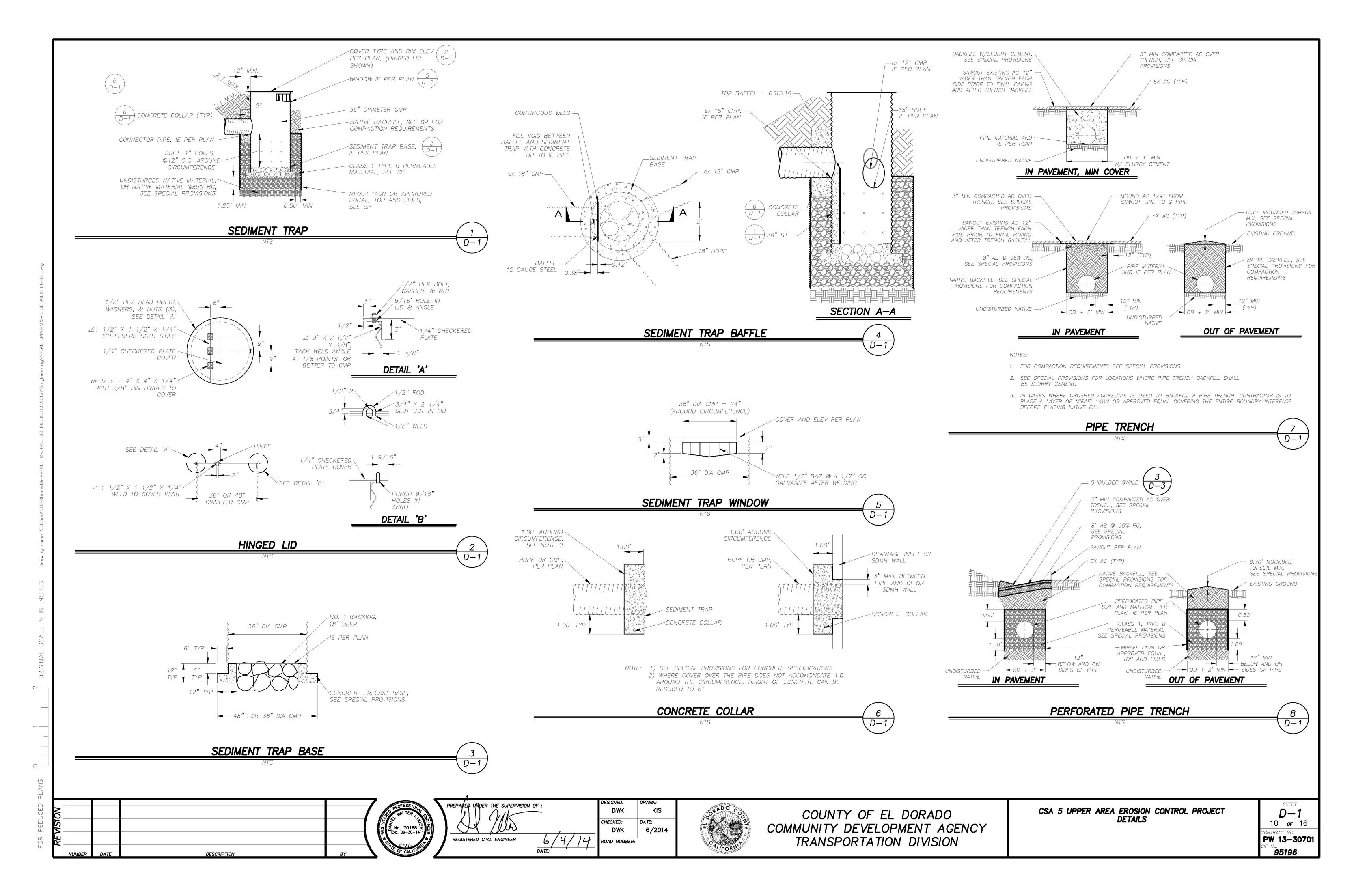


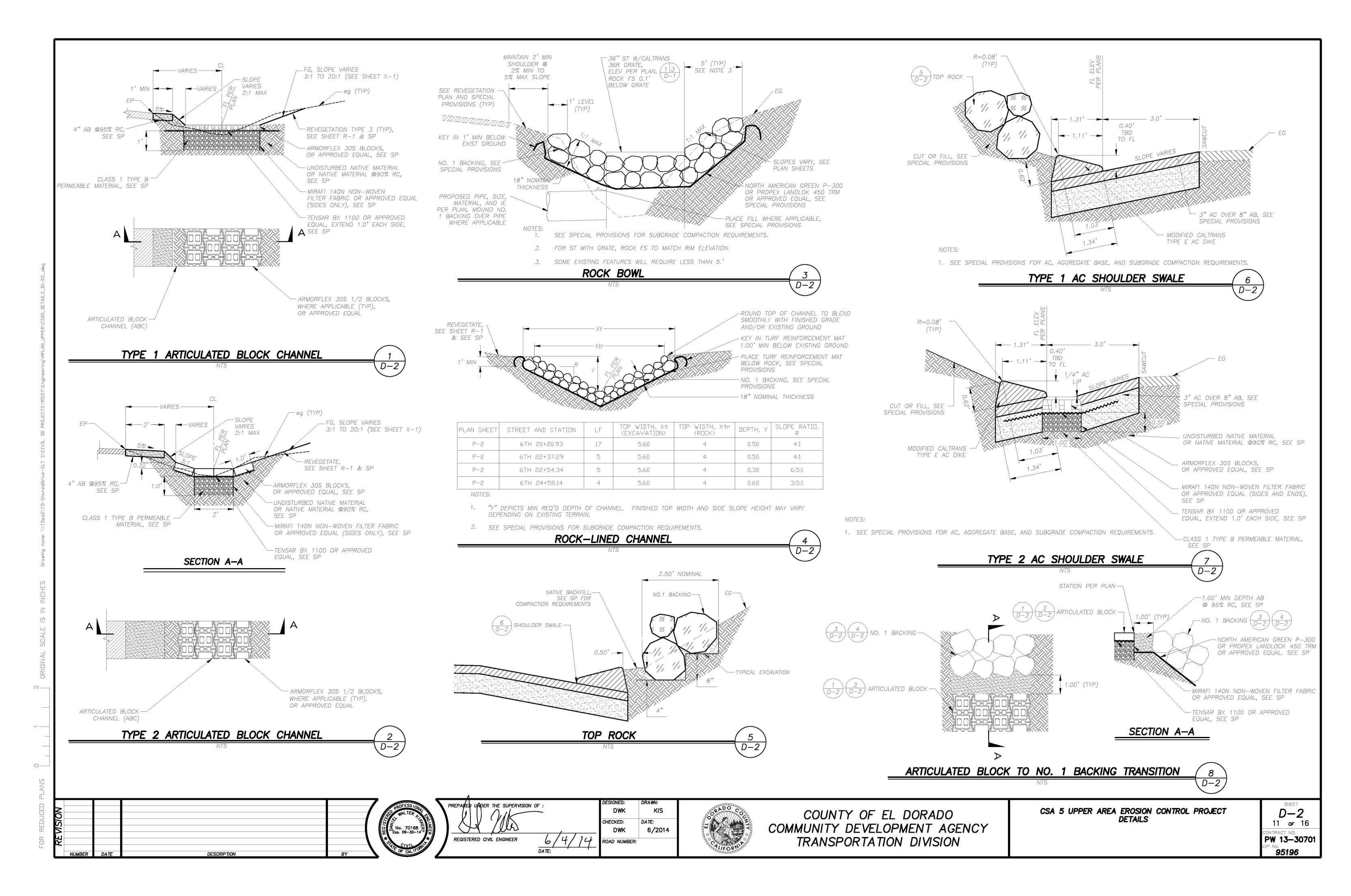
COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION

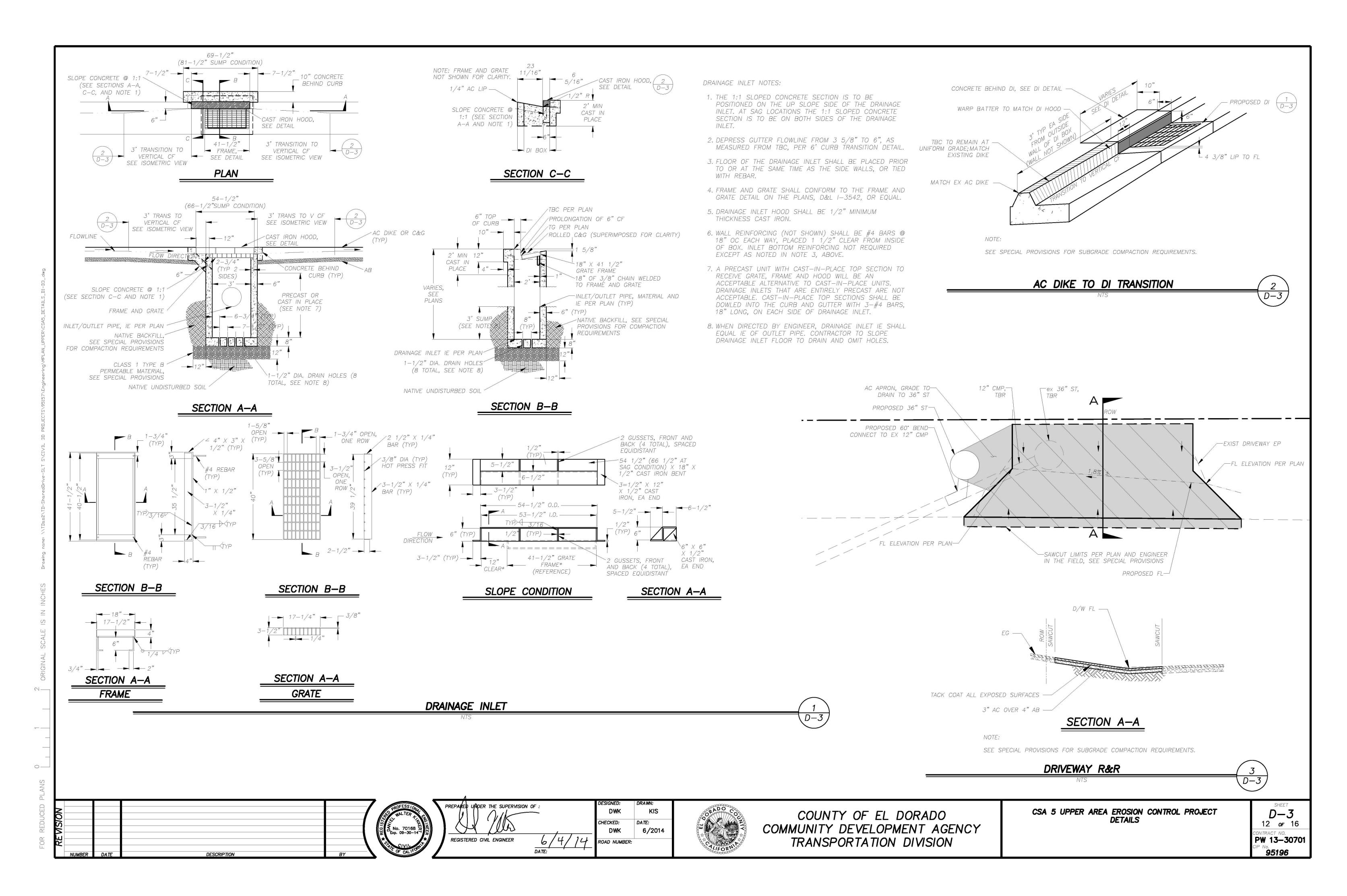
CSA 5 UPPER AREA EROSION CONTROL PROJECT X—SECTIONS

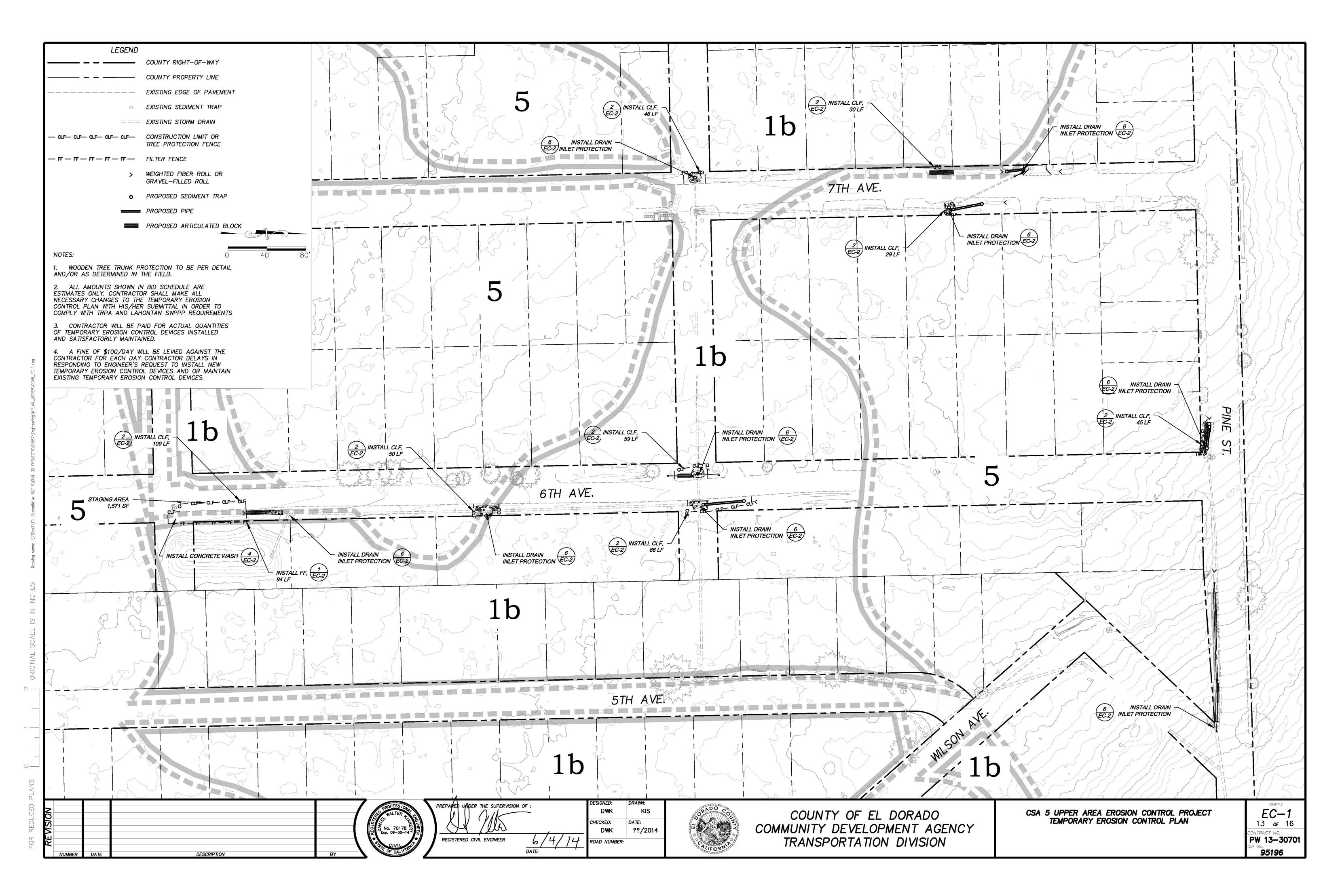


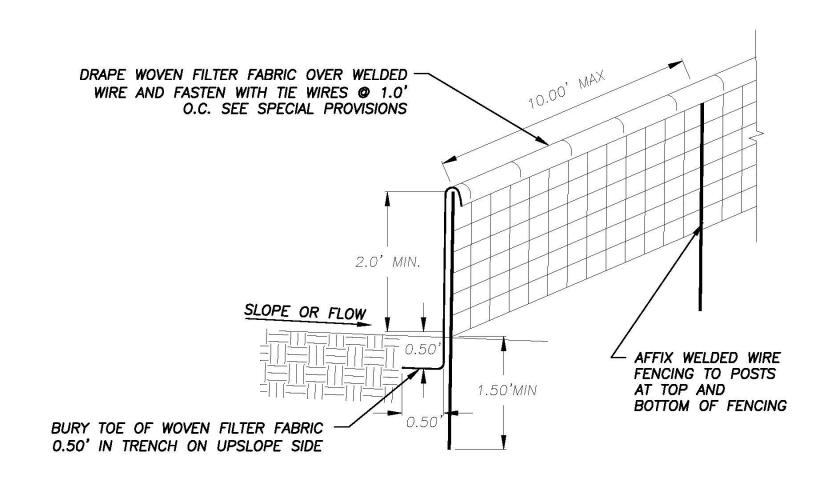










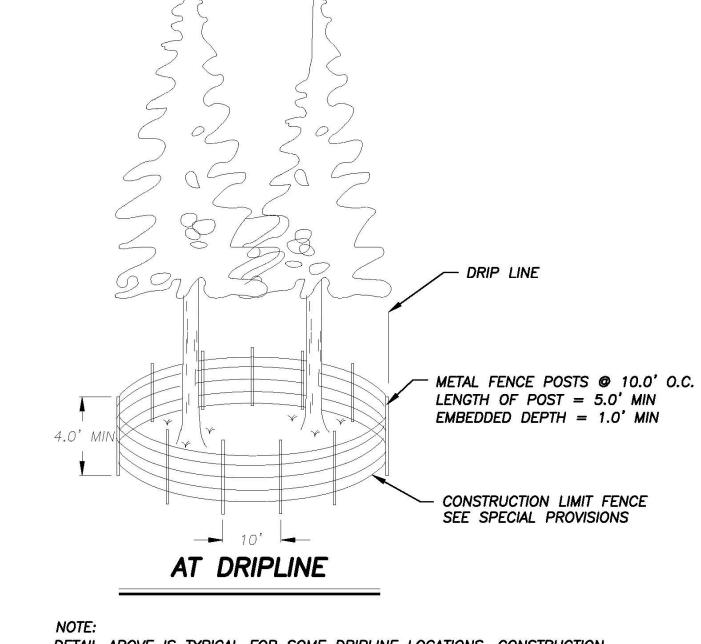


NOTES: 1. CONTRACTOR MAY USE PRE MANUFACTURED SEDIMENT CONTROL FENCE AS APPROVED BY THE ENGINEER, SEE SPECIAL PROVISIONS.

FILTER FENCE (FF)

NTS

2. PLACE FENCING SUCH THAT STORM RUNOFF CANNOT PASS AROUND OR UNDER FENCE.

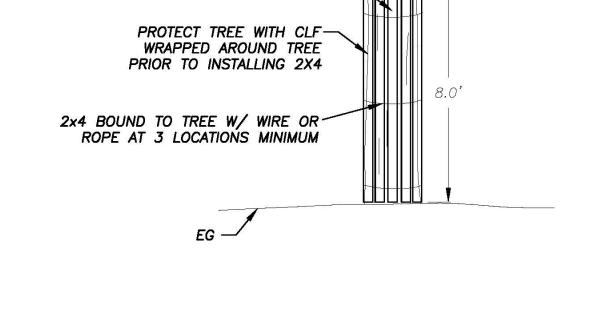


NOTE: DETAIL ABOVE IS TYPICAL FOR SOME DRIPLINE LOCATIONS, CONSTRUCTION LIMIT FENCE SHALL BE STAKED IN THE FIELD BY ENGINEER.

CONSTRUCTION LIMIT FENCE (CLF)

2

EC-2



EXISTING TREE

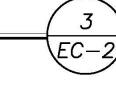
2"X4"X8' —

NOTE:

DETAIL ABOVE SHALL BE INSTALLED FOR TREE PROTECTION
AT LOCATIONS WHERECONSTRUCTION LIMIT FENCE INTERFERES
WITH CONSTRUCTION ACTIVITIES AND WHERE NOTED ON EC-1.

WOODEN TREE TRUNK PROTECTION

NTS



0.50' CLASS 1 TYPE A PERMEABLE MATERIAL
SEE SPECIAL PROVISIONS

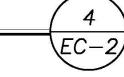
NOTE: CONCRETE WASH SHALL BE SIZED FOR WASHING ALL CONCRETE EQUIPMENT W/O OVER TOPPING BASIN.

CONCRETE WASH AREA

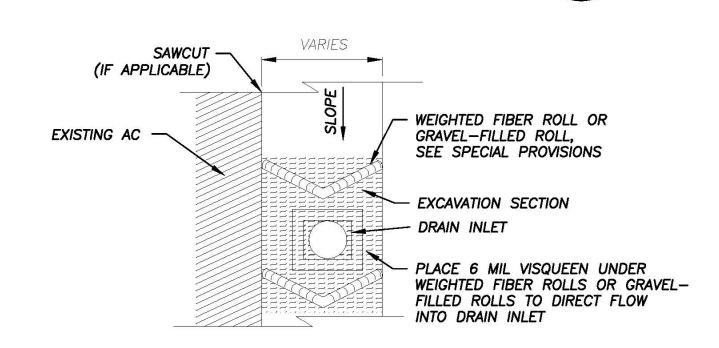
NTS

0.50' CLASS 1 TYPE A
PERMEABLE MATERIAL
SEE SPECIAL PROVISIONS

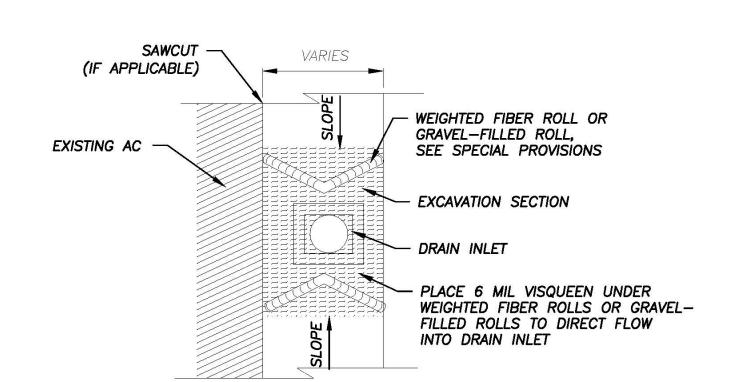
CONCRETE WASH



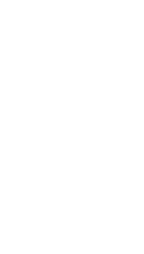
- WOVEN FILTER FABRIC, SEE SPECIAL PROVISIONS



DRAIN INLET ON GRADE



DRAIN INLET @ SAG



EC-2/

EC-2

__ TWINE TIE-DOWN

- INSTALL FIBER ROLL NEAR SLOPE WHERE IT TRANSITIONS INTO A

STEEPER SLOPE.

3/4" X 3/4" WOOD

STAKES @4.00' OC MAX
ONLY @ NONPAVED SURFACES

- FIBER ROLL D = 0.67' MIN

- FIBER ROLL

GENERAL NOTES:

0.33'MIN

1.00'MIN

1. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC, GRAVEL BAGS, GRAVEL—FILLED ROLLS, RICE STRAW FIBER ROLLS, AND FENCE POSTS.

NOTE: INSTALL FIBER ROLL ALONG LEVEL CONTOUR.

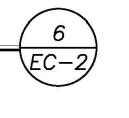
WEIGHTED FIBER ROLL

OR GRAVEL-FILLED ROLL

NTS

2. DIMENSION LIMITS OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL THIS SHEET AND/OR AS STAKED IN THE FIELD.



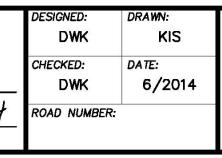


NUMBER DATE DESCRIPTION BY

PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

DATE:





COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

CSA 5 UPPER AREA EROSION CONTROL PROJECT TEMPORARY EROSION CONTROL DETAILS

SHEET

EC-2
14 of 16

CONTRACT NO.

PW 13-30701

CIP No.
95196

