



County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

November 25, 2019

Ms. Elizabeth Oliphint
Permitting Section
Central Valley Flood Protection Board
3310 El Camino Avenue, Suite 170
Sacramento, CA 95821

Dear Ms. Oliphint,

Subject: Response to Incomplete Notification email on August 29, 2019 - Lost Lake Nature Trail

Respectfully submitting additional information in response to your incomplete notification letter via email dated August 29, 2019. We hope that you will find these enclosures satisfactory.

Package includes:

- (2) Cover Letter
- (2) 3615 CVFPB Encroachment Permit Application
- (2) 3615a Environmental Assessment Questionnaire
- (2) Site Photos – 5 pages
- (2) Construction Plans
- Check
- CD containing electronic copy (pdf) of application package
- Copy of Incomplete encroachment permit application notification

If you have any questions or need additional information, please feel free to contact Cynthia Zamora czamora@fresnocountyca.gov or (559) 600-4326.

Sincerely,

Mohammad Alimi, PhD, P.E.
Division Design Engineer

Joseph C. Harrell, P.E.
Senior Engineer
Bridges Section

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT**

Application No. _____
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

The proposed project will modify 2,700 linear feet of the existing Trail to improve accessibility and surface durability. To improve access, the Trail will be better delineated and minor grading will be performed. In order to preserve the natural setting as well as protect environmentally sensitive areas, any removal of existing vegetation would be limited to the extent practicable. Decomposed granite will be used for the new Trail surface

2. Project

Location: Fresno County, in Section 13, 18, 19, 24
(N) (E)
Township: 11S (S), Range: 20E & 21E (W), M. D. B. & M.
Latitude: 36d 57' 60" N Longitude: 119d 44' 26" W
Stream: San Joaquin River, Levee: _____ Designated Floodway: Zone AE
APN: 30016014T

3. Fresno County Department of Public Works & Planning of 2220 Tulare St. 6th Floor
Name of Applicant / Land Owner Address

Fresno California 93721 (559) 600-4109
City State Zip Code Telephone Number
dsiemer@fresnocountyca.gov
E-mail

4. Dale Siemer of Fresno County Department of Public Works
Name of Applicant's Representative Company

Fresno California 93721 (559) 600-4327
City State Zip Code Telephone Number
dsiemer@fresnocountyca.gov
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of Fresno County Department of Public Works approve this plan, subject to the following conditions:
Name of LMA

Conditions listed on back of this form Conditions Attached No Conditions

Trustee Date Trustee Date

Trustee Date Trustee Date

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT**

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
<u>SWD Investments Inc</u>	<u>7110 N Fresno #340 Fresno Ca, 93720</u>	
<u>Table Mountain Rancheria</u>	<u>PO Box 410 Friant Ca, 93626</u>	
<u>Family Investment Group</u>	<u>7658 N Mansionette Fresno Ca, 93720</u>	

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970? Yes No Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:

Project is Categorically Exempt - Section 15301 Existing Facilities
Lead Agency - County of Fresno Department of Public Works and Planning
Contact: Christina Monfette - (559) 600-4245
SCH No. ER 7276

8. When is the project scheduled for construction? September 2020

9. Please check exhibits accompanying this application.

- A. Regional and vicinity maps showing the location of the proposed work.
- B. Drawings showing plan view(s) of the proposed work to include map scale.
- C. Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
- D. Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
- E. A minimum of four photographs depicting the project site.

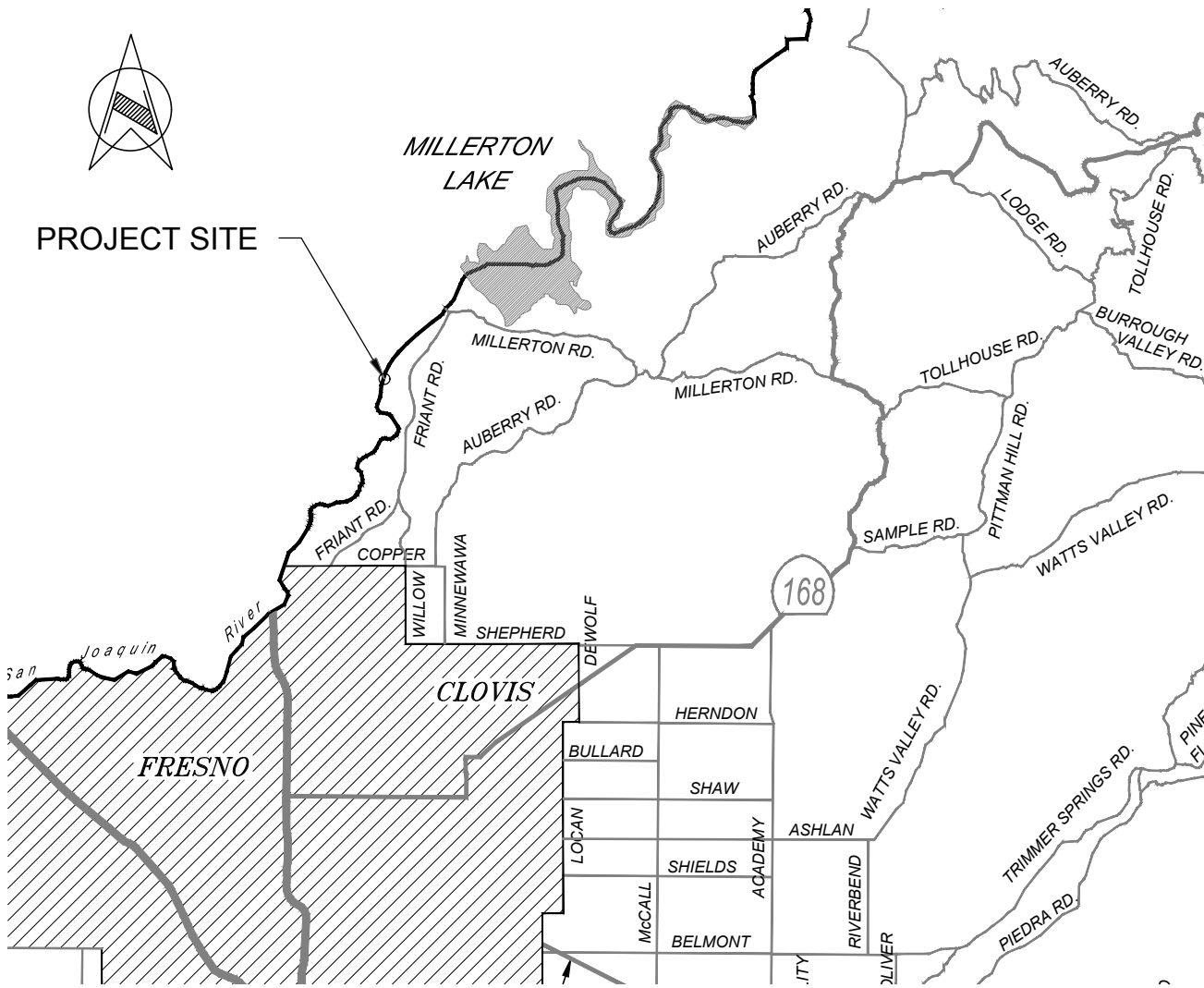


Signature of Applicant

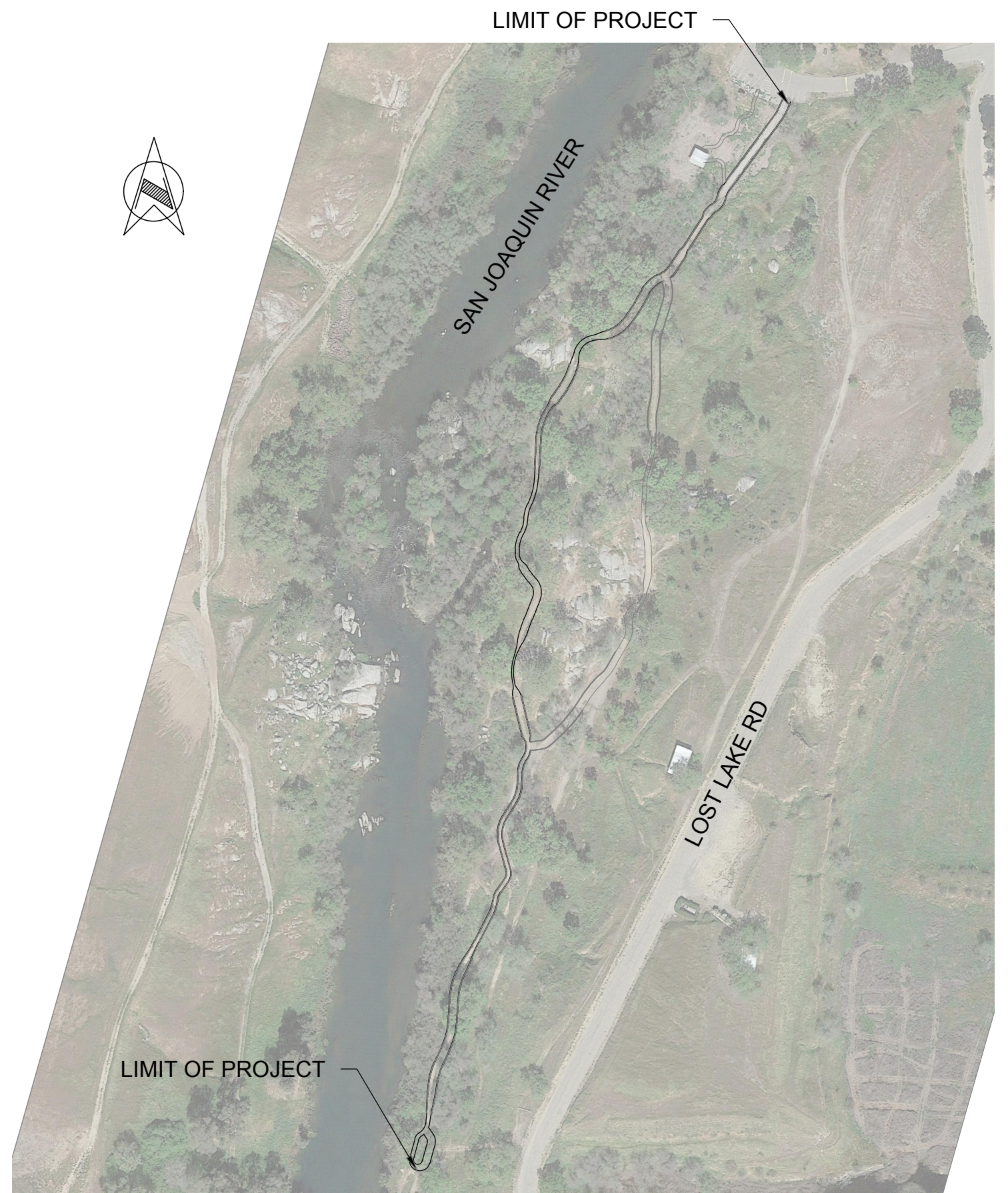
7-9-19
Date

Include any additional information:
Please find the attached CEQA Categorical Exemption

LOST LAKE TRAIL PROJECT



LOCATION MAP



VICINITY MAP



County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

NOTICE OF EXEMPTION

TO: _ Office of Planning & Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

FROM: County of Fresno
Department of Public
Works and Planning
2220 Tulare Street
Fresno, CA 93721

County Clerk
County of Fresno
2221 Kern Street
Fresno, CA 93721

FILED

MAY 22 2017

TIME
4:06 pm

PROJECT TITLE: ER No. 7276 – Lost Lake Park Trail Improvements

PROJECT LOCATION – County of Fresno: The Lost Lake Trail is located near the town of Friant, approximately 2.6 miles downstream of Friant Dam. The existing Trail is located on the south side of Lost Lake Park.

FRESNO COUNTY CLERK
By *William Vitiana*
DEPUTY

DESCRIPTION OF PROJECT: The proposed project will modify 2,700 feet of the existing Trail to improve accessibility and surface durability. To improve access, the Trail will be better delineated and minor grading will be performed. An ADA-accessible path would be constructed from the Trailhead parking lot to the existing picnic area.

NAME OF PUBLIC AGENCY APPROVING PROJECT: Fresno County Board of Supervisors.

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Fresno County Department of Public Works and Planning – Design Division. Contact: Alexis Rutherford, (559) 600-4530.

EXEMPT STATUS: Categorical Exemption - Section 15301 *Existing Facilities*.

REASONS WHY THE PROJECT IS EXEMPT: There will be no expansion to the length of the trail and no new trails will be added. The trail will be re-enforced with river stone which was originally removed from this area to create the walking trail, and decomposed granite, presenting a minor change to the existing conditions. There are no hazardous materials handlers, hazardous waste generators, or hazardous waste sites near the project site. No trees or rocks will be removed as part of this project.

LEAD AGENCY CONTACT PERSON: Christina Monfette **TELEPHONE:** (559) 600-4245

If filed by the applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? ___Yes ___No

Signature: *Christina Monfette* Date: 5/16/17 Title: Principal Planner

Signed by Lead Agency
 Signed by Applicant

Date received for filing at OPR:

E201710000146



Inter Office Memo

DATE: May 15, 2017

TO: Alexis Rutherford, Design Division

FROM: Chrissy Monfette, Development Services *AMM*

Subject: ER No. 7276 – Lost Lake Park Trail Improvements

PROJECT DESCRIPTION:

The Lost Lake Trail is located within Lost Lake Park, near the town of Friant, approximately 2.6 miles downstream of Friant Dam. The existing Trail is located on the south side of Lost Lake Park and is used for recreation access to the San Joaquin River. There are various, un-delineated, worn-in walking paths that branch off from the end of the trail. Although footpaths have been formed over years of use, the existing pathways are not well-defined and present accessibility challenges. The existing trail width varies from 8 feet to 12 feet and meanders through brushes, trees, and granite outcrops. The existing surface consists of native sand and gravel. There is an existing covered picnic area approximately 120 feet from the trailhead parking area, but there is no Americans with Disabilities Act (ADA)-accessible path to reach the picnic area.

The proposed project will modify 2,700 feet of the existing Trail to improve accessibility and surface durability. To improve access, the Trail will be better delineated and minor grading will be performed. In order to preserve the natural setting as well as protect environmentally sensitive areas, any removal of existing vegetation would be limited to the extent practicable. Decomposed granite will be used for the new Trail surface to provide a stable and durable surface. An ADA-accessible path would be constructed from the Trailhead parking lot to the existing picnic area.

This project is consistent with the revised Fresno County Regional Bicycle Master Plan adopted by the Fresno County Board of Supervisors on February 21, 2012. The Project will be funded using Fresno County Measure "C" Sales Tax Transportation Funding.

Determination:

The proposed project is categorically exempt from the provisions of California Environmental Quality (CEQA) under Section 15301 *Existing Facilities*.

The following support this determination:

- A Class 1 Exemption applies to projects that consist of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, including (h) the maintenance of existing landscape, native growth, and water supply. Such projects must also involve negligible or no expansion of use beyond that existing at the time of the lead agency's determination. The key consideration is whether the project involves a negligible or no expansion of an existing use.
- In the case of this application, the project proposes to improve trail accessibility and surface durability by delineating and grading the existing trail. Near the parking area, the existing trail

will be paved to provide access to an existing covered picnic area near the parking area. There will be no expansion to the length of the trail and no new trails will be added.

- Parts of the trail provide access to the San Joaquin River. The construction plans show that the edges of the trail will be marked with river rock and those areas that currently provide access will be marked by a break in these rocks.
- The project site contains primarily Tujanga soil, which is typically gravelly sand. The trail will be re-enforced with river stone and decomposed granite, presenting a minor change to the existing conditions.
- The stones proposed to line the trail were removed from this parcel as part of earlier grading activities to create the walking path.
- According to the CUPA list dated January 9, 2017, there are no hazardous materials handlers or hazardous waste generators near the project site.
- According to a search of the National Priorities (Superfund) list, dated March 27, 2017, there are no hazardous sites in the area of the project.
- No trees or rocks will be removed as part of this project. Removal of vegetation will be limited to what is essential to provide a safe trail for the public and what is consistent with standard maintenance.
- Following completion of the project, the site will have similar conditions to those existing. The major difference will be safer grading and demarcation of the existing trail.

Therefore, it can be determined that The Lost Lake Trail Improvements project is not expected to have a significant impact on the environment and is exempt from the provisions of CEQA. If you have any questions, please call me at 600-4245.

[Area of Interest \(AOI\)](#)

[Soil Map](#)

[Soil Data Explorer](#)

[Download Soils Data](#)

[Shopping Cart \(Free\)](#)

[Printable Version](#)

[Add to Shopping Cart](#)

Search

← → Clear Search

Basic Search

Enter keywords

Advanced Search

← → Clear Search

Map Unit Legend

Eastern Fresno Area, California (CA654)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MI	Merced clay, moderately saline	2.6	12.9%
TzeB	Tujunga soils, channeled, 0 to 9 percent slopes	9.3	46.2%
W	Water	4.9	24.4%
Subtotals for Soil Survey Area		16.9	83.5%

Madera Area, California (CA651)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ArF	Ahwahnee and Vista very rocky coarse sandy loams, 30 to 75 percent slopes	0.2	0.8%
TzB	Tujunga and Hanford soils, channeled, 0 to 8 percent slopes	0.3	1.6%
W	Water	2.8	14.1%
Subtotals for Soil Survey Area		3.3	16.5%
Totals for Area of Interest		20.2	100.0%

Soil Map

Scale (not to scale)



Warning: Soil Map may not be valid at this scale.

You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000. The design of map units and the level of detail shown in the resulting soil map are dependent on that map scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.



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ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

This environmental assessment questionnaire must be completed for all Central Valley Flood Protection Board applications. Please provide an explanation where requested. Incomplete answers may result in delays in processing permit applications. Failure to complete the questionnaire may result in rejection of the application.

1. Has an environmental assessment or initial study been made or is one being made by a local or State permitting agency in accordance with the California Environmental Quality Act? Yes No

If yes, identify the Lead Agency, type of document prepared or which will be prepared, and the State Clearinghouse Number:

Fresno County filed a Notice of Exemption, Categorical Exemption due to Section 15301 Existing Facilities on May 15, 2017. Christina Monfette - (559) 600-4245

A Clearinghouse number was not obtained. It is filed with the County Clerk.

2. Will the project require certification, authorization or issuance of a permit by any local, State or federal environmental control agency? Yes No

List all other governmental permits or approvals necessary for this project or use, including U.S. Army Corps of Engineer' 404 and Section 10 permits, State Water Quality Certification, Department of Fish and Game 1600 agreement, etc. Attach copies of all applicable permits.

California Department of Fish & Game Code Section 1602 Permit.

3. Give the name and address of the owner of the property on which the project or use is located. Please submit a copy of your current Title Report (Grant Deed), if your proposed project includes a private residence.

The Lost Lake Trail is located within Lost Lake Park, near the town of Friant, approximately 2.6 miles downstream of Friant Dam. It is located within the R/W provided for the San Joaquin River and does not appear to have a parcel number. It is located directly adjacent to County Owned property for parcel 300-16-015.

4. Will the project or use require issuance of a variance or conditional use permit by a city or county?

Yes No

Explain:

5. Is the project or use currently operating under an existing use permit issued by a local agency?

Yes No

Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

6. Describe all types of vegetation growing on the project site, including trees, brush, grass, etc.

The project is located within the San Joaquin River floodplain. It will not impact the bed, bank, or channel. Removal of vegetation will be limited to what is essential for the project. The project will include clearing of grasses and weeds within the trail path that is consistent with standard maintenance. It will also include trimming of branches, no greater than 4 inches in diameter, interfering with the trail path. It was determined the types of trees to be trimmed are Sycamore, Valley Oak, Willow, and Cottonwood. No trees will be removed.

7. Describe what type of wildlife or fish may use the project site or adjoining areas for habitat, food source, nesting sites, source of water, etc.

The Lost Lake Park Master Plan identified a list of special status species that could occur in the vicinity of Friant Ranch such as burrowing owls, northern harrier, meadowlark, and California horned lark. A preconstruction survey for nesting birds will be performed. Raptors and other avian species have their nesting season from February thru July so construction is advised outside that window.

8. Has the Department of Fish and Game, U.S. Fish and Wildlife Service, or National Marine Fisheries Service been consulted relative to the existence of, or impacts to, threatened or endangered species on or near the project site?

Yes No

Explain:

As referenced above, Fresno County produced the Lost Lake Park Master Plan and identified a list of special status species. The Department of Fish and Game was consulted in that endeavor.

9. Will the project or use significantly change present uses of the project area?

Yes No

Explain:

No. This project is a reconstruction of an existing trail.

10. Will the project result in changes to scenic views or existing recreational opportunities?

Yes No

Explain:

No. This project is a reconstruction of an existing trail.

11. Will the project result in the discharge of silt or other materials into a body of water?

Yes No

Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

12. Will the project involve the application, use, or disposal of hazardous materials? Yes No

If yes, list the types of materials, proposed use, and disposal plan. Provide copies of all applicable hazardous material handling plans.

13. Will construction activities or the completed project generate significant amounts of noise?

Yes No

Explain:

General construction equipment will be used during daytime hours but, will not generate significant noise.

14. Will construction activities or the completed project generate significant amounts of dust, ash, smoke, fumes, or odors?

Yes No

Explain:

15. Will the project activities or uses involve the burning of brush, trees, or construction materials, etc?

Yes No

Explain, and identify safety and air pollution control measures:

16. Will the project affect existing agricultural uses or result in the loss of existing agricultural lands?

Yes No

Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

17. Have any other projects similar to the proposed project been planned or completed in the same general area as the proposed project?

Yes No

Explain and identify any other similar projects:

18. Will the project have the potential to encourage, facilitate, or allow additional or new growth or development?

Yes No

Explain:

19. Will materials be excavated from the floodplain? Yes No If yes, please answer the remaining questions.

**THE REMAINING QUESTIONS MUST ONLY BE ANSWERED IF THE ANSWER TO QUESTION
NO. 19 WAS "YES". IF THE ANSWER TO QUESTION NO. 19 WAS "NO", YOU DO NOT
NEED TO COMPLETE THE REMAINING QUESTIONS.**

A. What is the volume of material to be excavated?

Annually _____ Total 260 CY _____

B. What types of materials will be excavated?

Minor grading of native soil will be excavated to improve accessibility and surface durability. The proposed project path will vary in width from 3' to 12' and will consist of a structural section of 2" decomposed granite over 0.5' of 95% compacted native. This excavation and compaction comprises the most of the 260 CY of roadway excavation found on the project. Side slopes will grade at 2H:1V to reach existing grade.

C. Will the project site include processing and stockpiling of material on site?

Yes No

Explain:

D. What method and equipment will be used to excavate material?

A bulldozer and soil compactor are expected to be used. Hand shovels and wheelbarrows will also be used to minimize impacts to riparian areas.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

E. What is the water source for the project?

The contractor will be responsible to generate his own water supply. Presumably, the contractor will bring in a water truck as the source for the project.

F. How will waste materials wash water, debris, and sediment be disposed of?

All waste water, debris, and sediment will be collected and disposed of off-site using best management practices required by the Regional Water Quality Control Board.

G. What is the proposed end land use for the project site?

A walking trail.

H. Has a reclamation plan been prepared for this site in accordance with the Surface Mining and Reclamation Act of 1975?

Yes No If yes, please attach a copy.





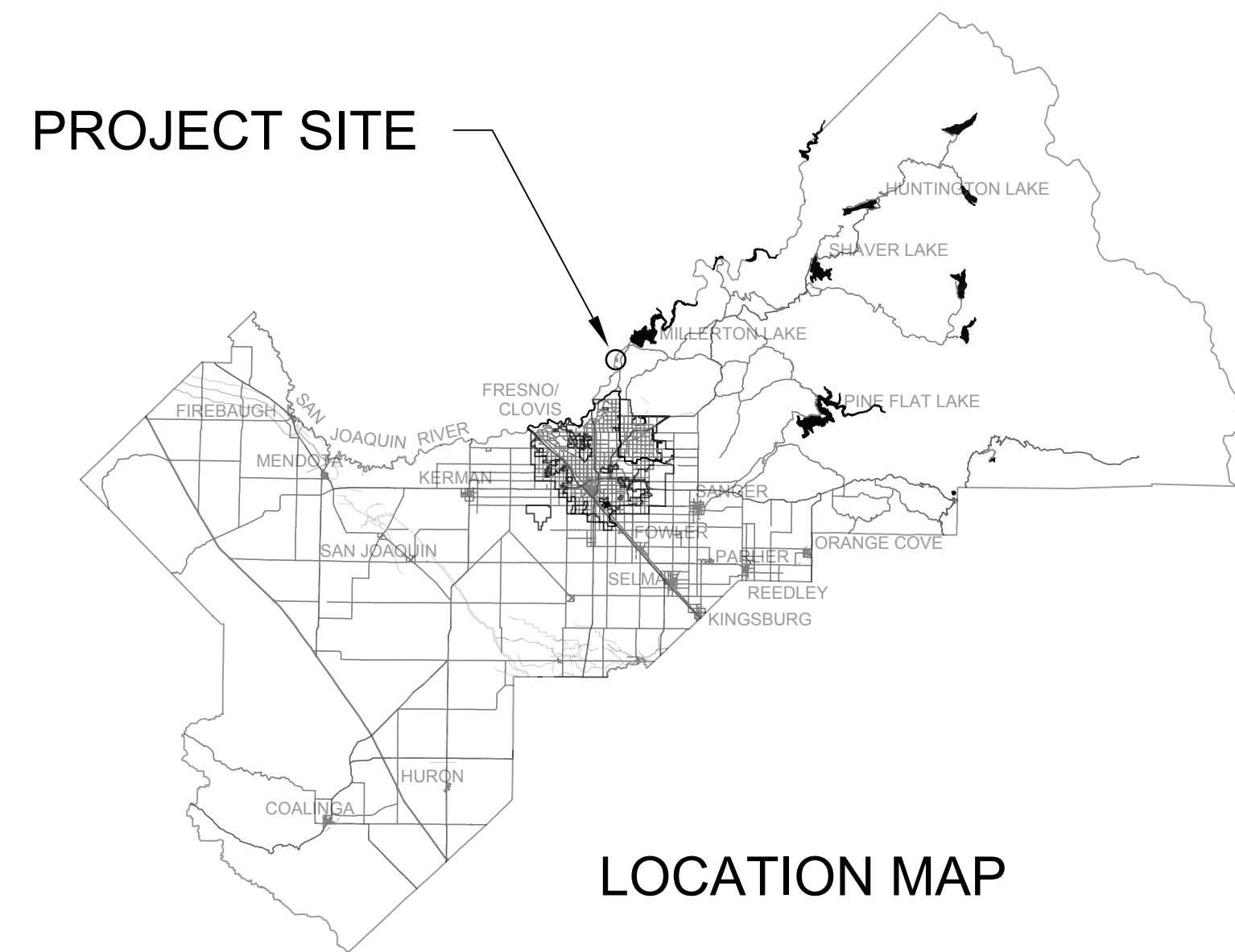






PLANS FOR CONSTRUCTION

LOST LAKE NATURE TRAIL
 LENGTH OF PROJECT - 0.35 MILES
90% DESIGN PHASE



INDEX OF SHEETS

SHEET ID	SHEET DESCRIPTION	NO.
T-1	TITLE PAGE	1
T-2	GENERAL LEGEND AND GENERAL NOTES	2
K-1	KEY MAP AND LINE INDEX	3
X-1 TO X-2	TYPICAL SECTIONS	4-5
PP-1	WESTERN ALIGNMENT STA 10+00.00 TO 14+50.00	6
PP-2	WESTERN ALIGNMENT STA 14+50.00 TO 19+50.00	7
PP-3	WESTERN ALIGNMENT STA 19+50.00 TO 24+00.00	8
PP-4	WESTERN ALIGNMENT STA 24+00.00 TO 29+17.00	9
PP-5	EASTERN ALIGNMENT STA 50+00.00 TO 53+75.00	10
PP-6	EASTERN ALIGNMENT STA 53+75.00 TO 57+94.00	11
C-1 TO C-2	CONSTRUCTION DETAILS WALKWAY	12-13
SD-1 TO SD-2	SIGN DETAIL FUNDING SIGN	14-15

TENTATIVE PLANS FOR DESIGN STUDY ONLY

Sal Quintero	Chairman	3rd District
Andreas A. Borgeas	Vice Chairman	2nd District
Brian Pacheco		1st District
Ernest Buddy Mendes		4th District
Nathan Magsig		5th District

Jean M. Rousseau
 County Administrative Officer

APPROVED _____
 Steven E. White, Director
 Department of Public Works and Planning

CALIFORNIA CONTRACTOR'S LICENSES REQUIRED FOR THIS PROJECT					
CLASS A, GENERAL ENGINEERING					
C-12, EARTHWORK AND PAVING					
DRAWING NO.	ROAD NO.	BRIDGE NO.	FISCAL YR.	SHEET NO.	TOTAL
#####	#####	N/A	17 / 18	1	13
CONTRACT NO. #####					

RECORD DRAWING	
DATE ADOPTED	CONTRACTOR
NAME	
ADDRESS	
CITY	STATE ZIP
DATE AWARDED	
DATE STARTED	
DATE COMPLETED	
RESIDENT ENGINEER	
NAME	SIGNATURE
NAME	SIGNATURE



DEPARTMENT OF PUBLIC WORKS AND PLANNING

ABBREVIATIONS:

AB	AGGREGATE BASE	MP	MILE POST
ABUT	ABUTMENT(S)	MTL	MATERIAL
AC	ASPHALTIC CONCRETE	NBL	NORTHBOUND LANE
ALIGN	ALIGNMENT	NS	NATIVE SOIL
AP	ANGLE POINT	OC	ON CENTER
AS	AGGREGATE SUBBASE	OG	ORIGINAL GROUND
BB	BEGINNING OF BRIDGE	PB	PULL BOX
BC	BEGIN HORIZONTAL CURVE	PBS	PULVERIZED BITUMINOUS SURFACE
BCM	BRASS CAP MONUMENT	PE	POLYETHYLENE
BCR	BEGIN CURB RETURN	PCC	PORTLAND CEMENT CONCRETE
BD	BEGIN DITCH	PRC	POINT OF REVERSING CURVE
BIT	BITUMINOUS	PERM	PERMEABLE
BKF	BACKFILL	PG	PROFILE GRADE
BM	BENCH MARK	PI	POINT OF INTERSECTION
BR	BRIDGE	PL	PLATE
BVC	BEGIN VERTICAL CURVE	P/L	PROPERTY LINE
BW	BARBED WIRE	POC	POINT ON CURVE
CF	CUBIC FEET	POT	POINT ON TANGENT
CFS	CUBIC FEET PER SECOND	PP	POWER POLE
C&G	CURB AND GUTTER	PPP	PERFORATED PLASTIC PIPE
CIP	CAST IRON PIPE	PRF	PAVEMENT REINFORCING FABRIC
C/L	CENTER LINE	PT	PEDESTAL TELEPHONE
CL	CHAIN LINK	PNT	POINT
CLR	CLEAR	PULV	PULVERIZED
CIP	CAST IRON PIPE	PVC	POLYVINYL CHLORIDE
CMF	CORRUGATED METAL PIPE	PVMT	PAVEMENT
COL	COLUMN	RCB	REINFORCED CONCRETE BOX
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CS	COTTON SPINDLE	R&D	REMOVE AND DISPOSE
CSP	CONCRETE SLOPE PROTECTION	REL	RELOCATE
CATV	CABLE TELEVISION	RES	RESIDENTIAL
CULV	CULVERT	RET	RETAINING
CY	CUBIC YARD(S)	RC	RUBBER GASKET
DG	DECOMPOSED GRANITE	RLG	ROCK LINED GUTTER
DI	DRAINAGE INLET	RMS	ROAD MIX SURFACE
DO	DRAINAGE OUTLET	R&S	REMOVE AND SALVAGE
DRWY	DRIVEWAY	RSP	ROCK SLOPE PROTECTION
EASE	EASEMENT	RTE	ROUTE
EB	END OF BRIDGE	R/W	RIGHT OF WAY
EBL	EAST BOUND LANE	RW	RETAINING WALL
EC	END HORIZONTAL CURVE	SL	SLOPE
ECR	END OF CURB RETURN	SBL	SOUTHBOUND LANE
ED	END DITCH	SEC	SECTION
ELEV	ELEVATION	SR	STATE ROUTE
EMB	EMBANKMENT	SHR	SHOULDER
EP	EDGE OF PAVEMENT	S/L	SECTION LINE
EPS	EDGE OF PAVED SHOULDER	SP	STANDPIPE
ES	EDGE OF SHOULDER	STA	STATION
ET	EDGE OF TRAIL	STD	STANDARD
ETL	EDGE OF TRAVELED LANE	STR	STRUCTURE
EVC	END VERTICAL CURVE	SURF	SURFACING
EXC	EXCAVATION	SDWK	SIDEWALK
(E)	EXISTING	SWR	SEWER
EXP	EXPANSION JOINT	TAN	TANGENT
FCBCM	FRESNO COUNTY BCM	TAN OFF	TANGENT OFFSET
FCBM	FRESNO COUNTY BM	TBM	TEMPORARY BENCHMARK
FG	FINISHED GRADE	TBR	TO BE REMOVED
FH	FIRE HYDRANT	TC	TOP OF CURVE
FL	FLOW LINE	TD	TOP OF DIKE
GALV	GALVANIZED	TOB	TOP OF BANK
GP	GRADING PLANE	TCB	TRAFFIC CONTROL BOX
GR	GUARD RAILING	TRANS	TRANSITION
GW	GUY WIRE	TS	TRAFFIC SIGNAL
HMA	HOT MIXED ASPHALT	TYP	TYPICAL
HP	HINGE POINT	UC	UNDERCROSSING
HW	HEAD WALL	UG	UNDERGROUND
HWM	HIGH WATER MARK	UD	UNDERDRAIN
IB	IMPORTED BORROW	UDR	UNDERDRAIN RISER
IP	IRON PIPE	UP	UNDERPASS
IRR	IRRIGATION	VC	VERTICAL CURVE
IV	IRRIGATION VALVE	VCP	VITRIFIED CLAY PIPE
JP	JOINT POLE	VG	VALLEY GUTTER
JT	JOINT	VP	VENTPIPE
LF	LINEAR FEET	WBL	WESTBOUND LANE
LOC	LOCATION	WP	WEAKENED PLANE
LOL	LAYOUT LINE	WV	WATER VALVE
LP	LIMIT OF PAYMENT	WW	WINGWALL
EASE	EASEMENT	XING	CROSSING
EB	END OF BRIDGE	X SEC	CROSS SECTION
MB	METAL BEAM		
MBGR	METAL BEAM GUARD RAILING		
MH	MANHOLE		

LINETYPE LEGEND

LINETYPE EXAMPLE	LINETYPE DESCRIPTION
x ——— x ——— x	BARBED WIRE FENCE
o ——— o ——— o	CHAIN LINK FENCE
- [] ——— [] ——— []	WOODEN FENCE
[] ——— [] ——— []	METAL FENCE
- LNDSCP ——— LNDSCP -	EDGE OF LANDSCAPED AREA
- - - - - - -	RAILROAD TRACKS
- - - - -	SECTION LINES
- ALIGN-E -	EXISTING ALIGNMENT
· · · · ·	AC CENTERLINE - EXISTING
- - - - -	AC CROWN - EXISTING
· · · · ·	EXISTING YELLOW STRIPED LINES
· · · · ·	EXISTING WHITE STRIPED LINE
~ ~ ~ ~ ~	AC GRADE BREAK - EXISTING
- - - - -	AC EDGE OF PAVEMENT - EXISTING
TOE	TOE OF THE SLOPE
AC-DRV	AC - EDGE OF DRIVEWAY
DIRT-DRV	DIRT - EDGE OF DRIVEWAY
GRV-DRV	GRAVEL - EDGE OF DRIVEWAY
CONC-DRV	CONCRETE - EDGE OF DRIVEWAY
CMP	CORREGATED METAL PIPE
HDPE	HIGH DENSITY POLYETHYLENE
STP	STEEL PIPE
PVC	POLYVINYL CHLORIDE
P-R/W	PRESCRIPTIVE RIGHT OF WAY
P/L	PROPERTY LINE
R/W	RIGHT OF WAY
R/W-P	RIGHT OF WAY - PROPOSED
W	WATER LINES
IRR	IRRIGATION LINE
SD	STORM DRAIN
S	SEWER LINE
FL	MISC FLOW LINE
GFL	GUTTER FLOW LINE
CONC	EDGE OF CONCRETE STRUCTURES
TFC	TOP FACE OF CURB
SDWK	EDGE OF CONCRETE SIDEWALK
E	UNDERGROUND ELECTRIC
T	UNDERGROUND TELEPHONE
FO	FIBER OPTIC
G	GAS LINE
OHCATV	OVERHEAD CABLE TELEVISION
OHE	OVERHEAD ELECTRIC
OHT	OVERHEAD TELEPHONE
CATV	UNDERGROUND CABLE TELEVISION
D	PROFILE STYLE - DESIGN
ETL	EDGE OF THE TRAVELED LANE
EP-D	EDGE OF PAVEMENT - DESIGN
HP	HINGE POINT LINE
DYLT	DAYLIGHTING LINE

SYMBOL LEGEND

SYMBOL	BLOCK DESCRIPTION	SYMBOL	BLOCK DESCRIPTION (EXISTING)	SYMBOL	BLOCK DESCRIPTION (INSTALL NEW)
	SECTION CORNER		WATER MANHOLE		WATER MANHOLE
	BENCHMARK		FIRE HYDRANT		FIRE HYDRANT
	SURVEY CONTROL POINT		WATER METER		WATER METER
	PROPERTY CORNER OR RW MONUMENT		WATER VALVE		WATER VALVE
	FLIGHT TARGET AT SECTION CORNER		WATER VAULT		WATER VAULT
	FLIGHT TARGET AT P LINE STATION		WATER WELL PAD		WATER WELL PAD
	FLIGHT TARGET AT P LINE ANGLE POINT		BUTTERFLY OR GATE VALVE		BUTTERFLY OR GATE VALVE
	MISCELLANEOUS PALM TREE		ELECTRIC MOTOR WATER WELL PAD		ELECTRIC MOTOR WATER WELL PAD
	MISCELLANEOUS TREE		DEISEL MOTOR WATER WELL PAD		DEISEL MOTOR WATER WELL PAD
	MISCELLANEOUS BUSH		CONCRETE IRRIGATION TURNOUT BOX		CONCRETE IRRIGATION TURNOUT BOX
	MISCELLANEOUS BUSH		CONCRETE IRRIGATION STANDPIPE		CONCRETE IRRIGATION STANDPIPE
	MISCELLANEOUS VINE		STEEL OR PVC IRRIGATION VENTPIPE		STEEL OR PVC IRRIGATION VENTPIPE
	MISCELLANEOUS STUMP		SPRINKLER VALVES / CONTROL BOXES		SPRINKLER VALVES / CONTROL BOXES
	STEEL IRRIGATION SCREWGATE		STORM DRAIN MANHOLE		STORM DRAIN MANHOLE
	STEEL IRRIGATION INLET SCREEN		STORM DRAIN INLET		STORM DRAIN INLET
	ELECTRIC TRANSMISSION TOWER		SEWER MANHOLE		SEWER MANHOLE
	RIVER ROCK		SEWER VAULT		SEWER VAULT
			ELECTRIC TRANSFORMER PAD		ELECTRIC TRANSFORMER PAD
			ELECTRIC VAULT		ELECTRIC VAULT
			ELECTRIC MANHOLE		ELECTRIC MANHOLE
			UNDERGROUND ELECTRIC WARNING POST		UNDERGROUND ELECTRIC WARNING POST
			POWER POLE		POWER POLE
			JOINT POLE		JOINT POLE
			ELECTRIC METER		ELECTRIC METER
			JOINT TRANSFORMER POLE		JOINT TRANSFORMER POLE
			GUY POLE		GUY POLE
			GUY WIRE		GUY WIRE
			SERVICE POLE		SERVICE POLE
			TRANSFORMER POLE		TRANSFORMER POLE
			GAS METER		GAS METER
			GAS VAULT		GAS VAULT
			GAS VALVE		GAS VALVE
			GAS MANHOLE		GAS MANHOLE
			UNDERGROUND GAS WARNING POST		UNDERGROUND GAS WARNING POST
			FIBER OPTIC MANHOLE		FIBER OPTIC MANHOLE
			TELEPHONE PEDESTAL		TELEPHONE PEDESTAL
			UNDERGROUND FIBER OPTIC WARNING POST		UNDERGROUND FIBER OPTIC WARNING POST
			FIBER OPTIC VAULT		FIBER OPTIC VAULT
			TELEPHONE VAULT		TELEPHONE VAULT
			TELEPHONE MANHOLE		TELEPHONE MANHOLE
			UNDERGROUND TELEPHONE WARNING POST		UNDERGROUND TELEPHONE WARNING POST
			TELEPHONE POLE		TELEPHONE POLE
			VARIOUS PULL BOXES		VARIOUS PULL BOXES
			STREET LIGHT POLE		STREET LIGHT POLE
			TRAFFIC LIGHT POLE		TRAFFIC LIGHT POLE
			MISC TRAFFIC SIGNS		MISC TRAFFIC SIGNS
			STOP SIGN		STOP SIGN
			RAILROAD CROSSING AHEAD SIGN		RAILROAD CROSSING AHEAD SIGN
			TURN SIGNAL LOOP DETECTOR		TURN SIGNAL LOOP DETECTOR
			RAILROAD CROSSING ARM		RAILROAD CROSSING ARM
			SIGNAL CONTROL BOX PAD		SIGNAL CONTROL BOX PAD

HATCHING LEGEND

HATCH	HATCH DESCRIPTION
	ASPHALTIC CONCRETE
	AGGREGATE BASE
	NATIVE EARTH - COMPACTED 95%
	DECOMPOSED GRANITE

CALLOUTS AND MISC SYMBOLS

	DETAIL NUMBER SHEET NUMBER (STATE STANDARD PLANS)
	DETAIL NUMBER SHEET NUMBER (AUTOCAD SECTION STANDARD)
	DETAIL NUMBER DWG SHEET NUMBER (PLAN SET CALLOUT)
T 16 S R 22 E	TOWNSHIP / RANGE
10 11 15 14	SECTION

CALLOUTS - USE ON PLANS AS NEEDED

	AC OR CONC CALLOUT - EXISTING		CURVE TABLE OR RADIUS CALLOUT - EXISTING
	AC OR CONC CALLOUT - NEW		CURVE TABLE OR RADIUS CALLOUT - NEW
	DIRT OR GRAVEL CALLOUT - EXISTING		LANDSCAPING CALLOUT - EXISTING
	DIRT OR GRAVEL CALLOUT - NEW		LANDSCAPING CALLOUT - NEW
	IRRIG OR FL OR DIKE OR DI CALLOUT - EXISTING		
	IRRIG OR FL OR DIKE OR DI CALLOUT - NEW		

GENERAL NOTES:

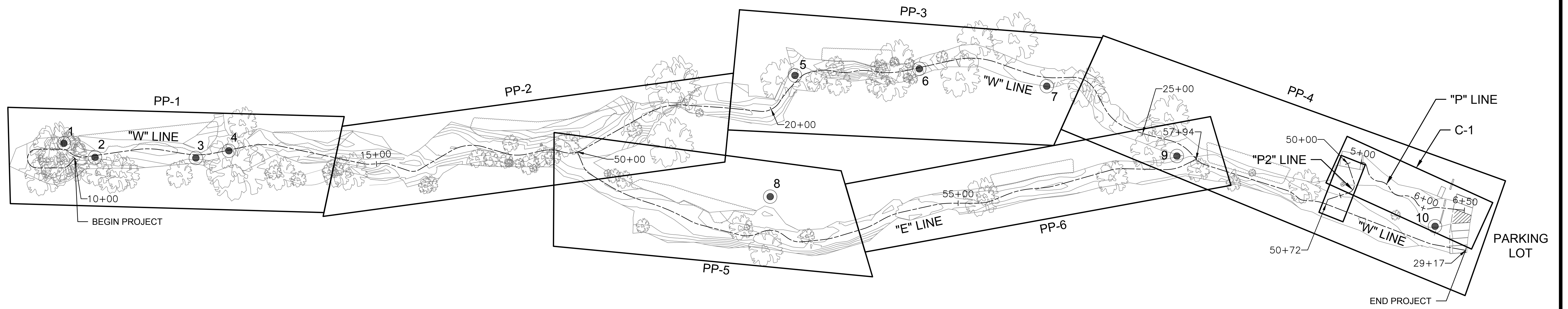
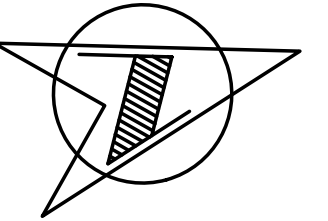
- DIMENSIONS SHOWN ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- THE FOLLOWING APPLY TO EARTHWORK QUANTITIES:
 - ROADWAY EXCAVATION QUANTITIES ARE IN PLACE VOLUMES OF EXCAVATION. THESE QUANTITIES INCLUDE WASTE MATERIAL AND EXCAVATION FOR ROAD APPROACHES AND DRIVEWAYS. NO ALLOWANCE FOR SUBSIDENCE AND SHRINKAGE.
 - WASTE MATERIAL IS ROADWAY EXCAVATION UNSUITABLE FOR OR NOT NEEDED IN EMBANKMENT CONSTRUCTION.
 - EMBANKMENT QUANTITIES ARE IN PLACE VOLUMES REQUIRED TO CONSTRUCT THE ROADBED TO THE GRADING PLANE. THESE QUANTITIES INCLUDE AN ALLOWANCE FOR ROAD APPROACHES AND DRIVEWAYS.
- ALL PIPE JOINTS ARE TO BE POSITIVE JOINT SYSTEMS.
- ALL TREES TO REMAIN UNLESS OTHERWISE SPECIFIED BY ENGINEER.
- STATE STANDARD SPECS - 2015 EDITION.

UTILITY NOTES:

LOCATIONS FOR EXISTING UNDERGROUND FACILITIES ARE APPROXIMATE. EXACT DEPTH AND LOCATIONS ARE UNKNOWN. FIELD LOCATE PRIOR TO THE START OF CONSTRUCTION.

**CALL UNDERGROUND SERVICE ALERT (USA) 811

RECORD DRAWING		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DESIGNED: A. BEDAL	DATE: 05/31/2018	LOST LAKE NATURE TRAIL		GENERAL LEGEND AND GENERAL NOTES	
DRAWN: A. BEDAL	DATE: 05/31/2018	ROAD NO. ---	BRIDGE NO. ---	DRAWING NO. ---	SHEET NO. T-2
CHECKED: T. TRACY	DATE: 05/31/2018			TOTAL	2 of 15



SURVEY CONTROL POINTS / BENCHMARKS			
#	NORTHING	EASTING	ELEVATION
1	2235996.6000'	6345335.8800'	296.10'
2	2236028.0400'	6345362.0700'	296.65'
3	2236144.4100'	6345395.2500'	296.66'
4	2236184.9400'	6345397.5400'	296.82'
5	2236863.5200'	6345492.7700'	296.55'
6	2237009.3600'	6345525.2700'	298.40'
7	2237151.1600'	6345586.2900'	302.10'
8	2236795.9600'	6345624.8200'	296.98'
9	2237279.0900'	6345708.8800'	300.29'
10 (SITE BENCHMARK)	2237554.9400'	6345873.2400'	300.81'

LEGEND

● SURVEY CONTROL POINT / BENCH MARK

COORDINATE SYSTEM
 THE COORDINATES SHOWN HERE ON ARE CSS ZONE 4 (STATE PLANE)
 COORDINATES BASED ON AN "OPUS SOLUTION" OF POINT #101

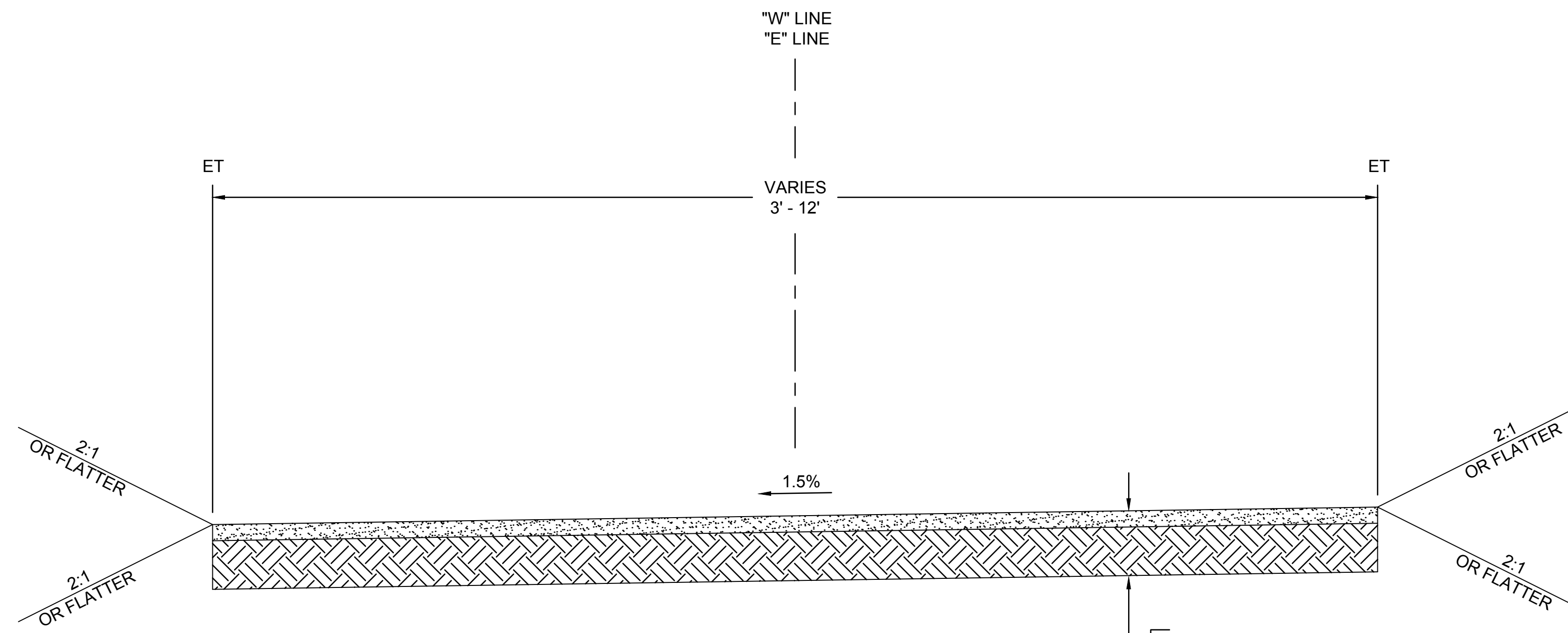
VERTICAL DATUM
 THE VERTICAL DATUM USED HEREON IS NAVD 88 (NORTH AMERICAN
 VERTICAL DATUM OF 1988) BASED ON GPS OBSERVATION.

BENCHMARKS
 SET 3/4" IRON PIPE WITH PLASTIC CAP MARKED "SURVEY CONTROL",
 DOWN 6"
 ELEVATION = 300.81'

90% SUBMITTAL
 NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL		DATE: 05/31/2018	RECORD DRAWING		NO SCALE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: A. BEDAL		DATE: 05/31/2018					LOST LAKE NATURE TRAIL			KEY MAP AND LINE INDEX	
CHECKED: T. TRACY		DATE: 05/31/2018					ROAD NO. ---	BRIDGE NO. ---		DRAWING NO. ---	SHEET NO. K-1

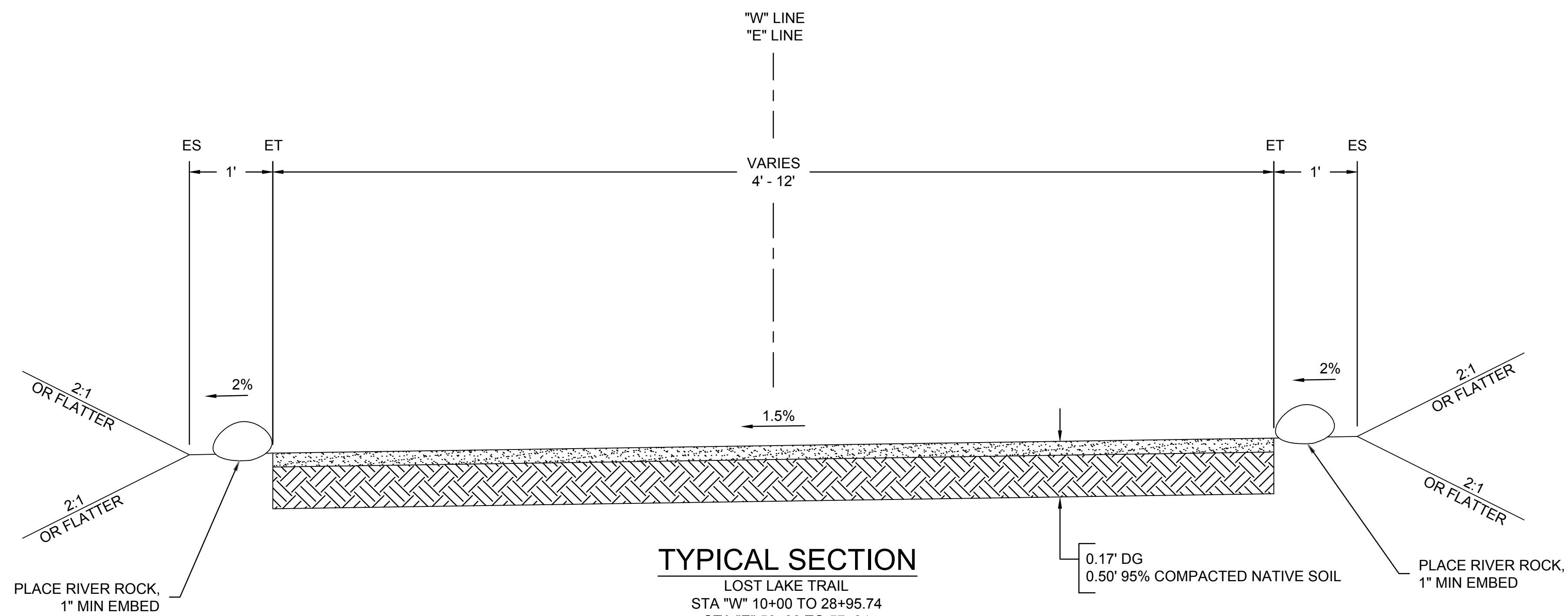
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



TYPICAL SECTION

LOST LAKE TRAIL
 STA "W" 10+00 TO 11+61.58
 STA "W" 18+32.05 TO 22+00.79
 STA "W" 23+68.25 TO 24+44.12
 STA "E" 55+60 TO 57+86

0.17' DG
 0.50' 95% COMPACTED NATIVE SOIL



TYPICAL SECTION

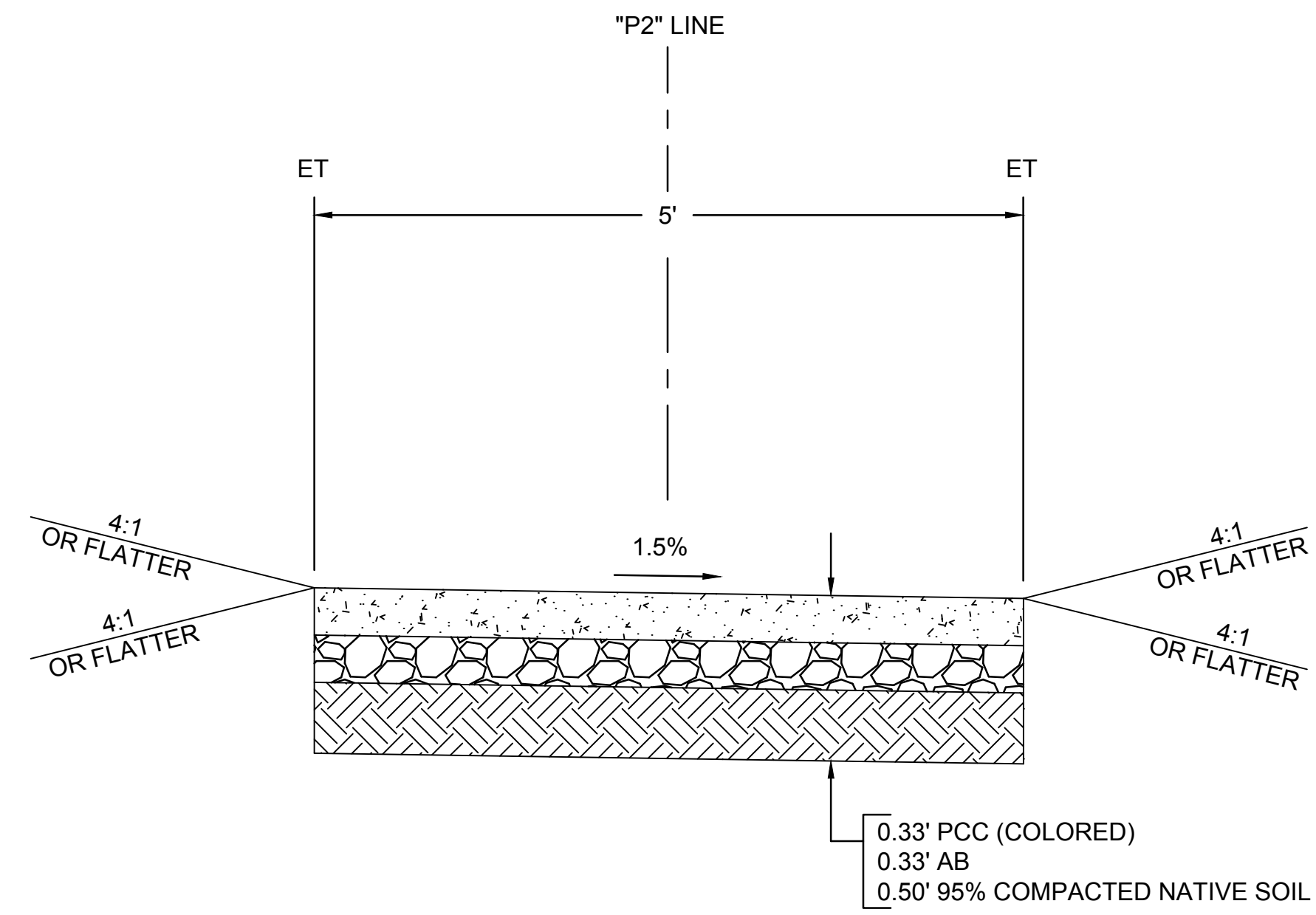
LOST LAKE TRAIL
 STA "W" 10+00 TO 28+95.74
 STA "E" 50+00 TO 57+94

0.17' DG
 0.50' 95% COMPACTED NATIVE SOIL

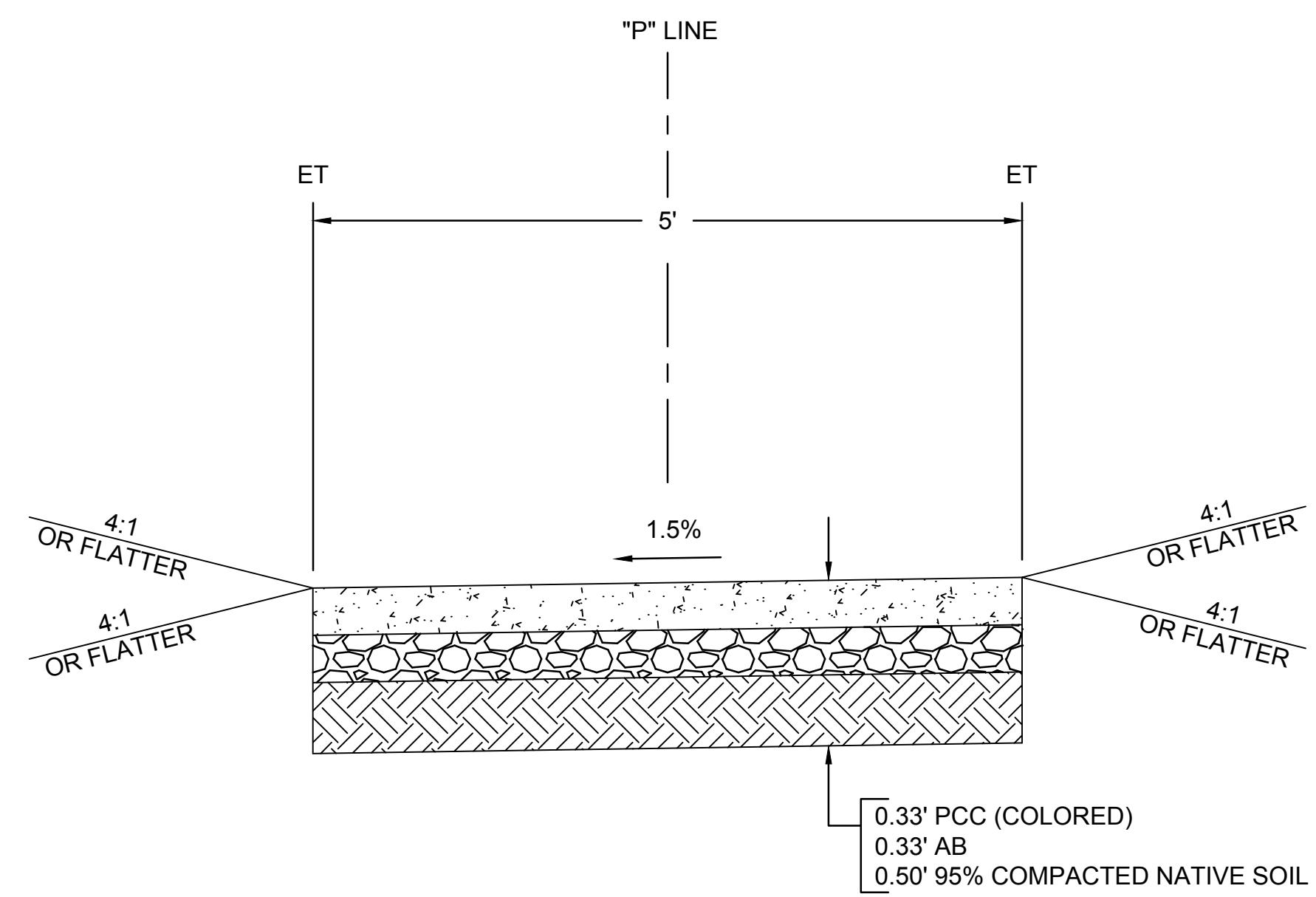
90% SUBMITTAL
 NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL		DATE: 05/31/2018		RECORD DRAWING		RESIDENT ENGINEER		DATE		NO SCALE		 575 E. Locust Ave., Suite 105 Fresno, California 93720 SUPERVISING ENGINEER		 CIVIL STATE OF CALIFORNIA		PROJECT		 DEPARTMENT OF PUBLIC WORKS AND PLANNING					
DRAWN: A. BEDAL		DATE: 05/31/2018												LOST LAKE NATURE TRAIL		TYPICAL SECTIONS							
CHECKED: T. TRACY		DATE: 05/31/2018												ROAD NO. ---		BRIDGE NO. ---		DRAWING NO. ---		SHEET NO. X-1		TOTAL 4 of 15	

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.






TYPICAL SECTION
WALKWAY 2
STA "P2" 50+05 TO 50+65.51



TYPICAL SECTION
WALKWAY
STA "P" 5+00 TO 6+50

90% SUBMITTAL
NOT FOR CONSTRUCTION

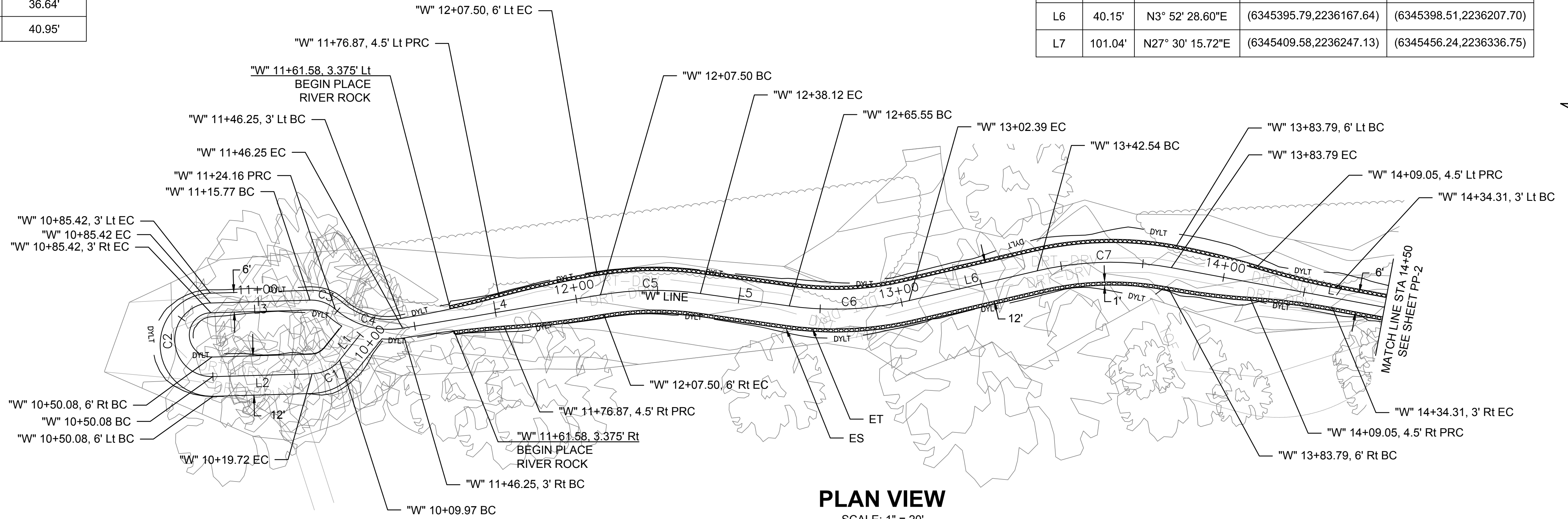
DESIGNED: A. BEDAL		DATE: 05/31/2018		RECORD DRAWING		NO SCALE	 SUPERVISING ENGINEER	575 E. Locust Ave., Suite 105 Fresno, California 93720 	PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING			
DRAWN: A. BEDAL		DATE: 05/31/2018		RESIDENT ENGINEER					DATE			LOST LAKE NATURE TRAIL		TYPICAL SECTIONS	
CHECKED: T. TRACY		DATE: 05/31/2018										ROAD NO. --- BRIDGE NO. ---		DRAWING NO. --- SHEET NO. X-2 TOTAL 5 of 15	

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

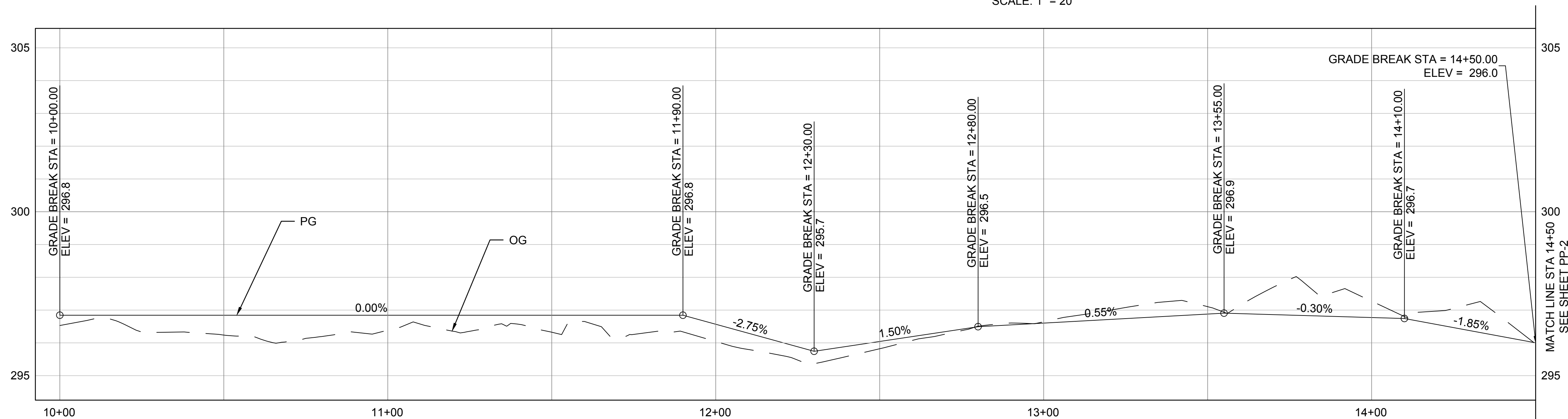
Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C1	11.25'	9.75'	49.67	S09° 28' 15.97"E	9.45'
C2	11.25'	35.34'	180.00	N74° 38' 07.92"W	22.50'
C3	11.25'	8.39'	42.71	N36° 43' 15.67"E	8.19'
C4	25.00'	22.09'	50.64	N32° 45' 31.73"E	21.38'
C5	100.00'	30.62'	17.55	N16° 12' 46.96"E	30.50'
C6	100.00'	36.85'	21.11	N14° 25' 49.15"E	36.64'
C7	100.00'	41.24'	23.63	N15° 41' 22.16"E	40.95'

- NOTES:
- EXISTING CONTOURS AND ELEVATIONS ARE BASED ON TOPOGRAPHIC SURVEY PERFORMED IN AUGUST, 2016. SITE CONDITIONS MAY HAVE CHANGED SINCE THAT TIME. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAY ADJUST THE FINISHED GRADE ELEVATIONS UP TO ±0.2 FEET, AS APPROVED BY THE ENGINEER TO COMPENSATE FOR MINOR GRADE VARIATIONS.
 - STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL

Line Table				
Line #	Length	Direction	Start Point	End Point
L1	9.97'	S34° 18' 24.02"E	(6345356.68,2236004.33)	(6345362.30,2235996.09)
L2	30.35'	S15° 21' 52.08"W	(6345363.86,2235986.77)	(6345355.82,2235957.50)
L3	30.35'	N15° 21' 52.08"E	(6345334.12,2235963.47)	(6345342.16,2235992.73)
L4	61.24'	N7° 26' 24.22"E	(6345358.63,2236017.28)	(6345366.56,2236078.01)
L5	27.43'	N24° 59' 09.70"E	(6345375.08,2236107.30)	(6345386.66,2236132.16)
L6	40.15'	N3° 52' 28.60"E	(6345395.79,2236167.64)	(6345398.51,2236207.70)
L7	101.04'	N27° 30' 15.72"E	(6345409.58,2236247.13)	(6345456.24,2236336.75)



PLAN VIEW
SCALE: 1" = 20'



"W" LINE PROFILE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

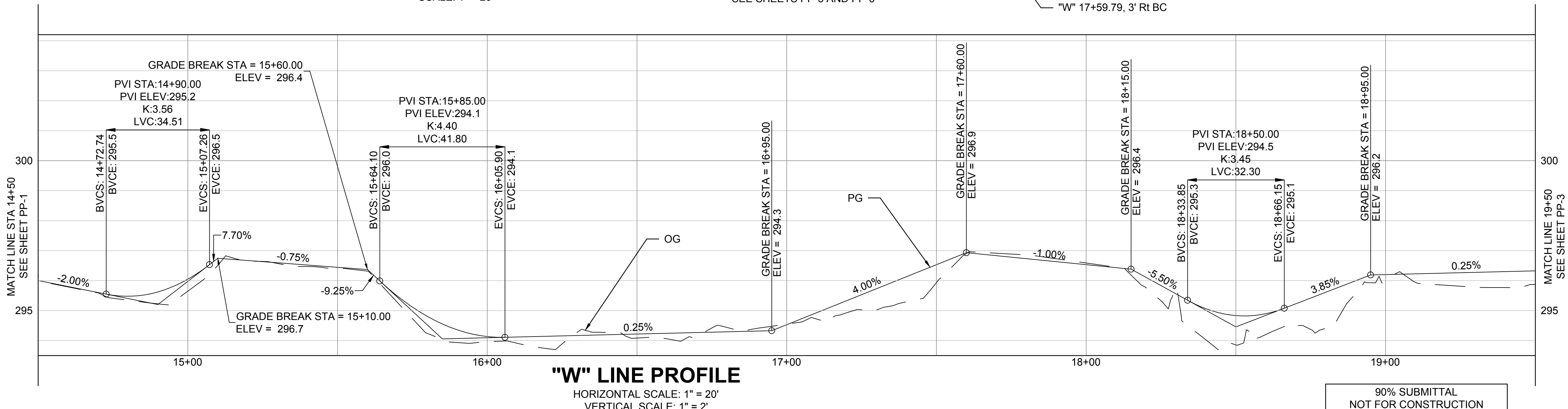
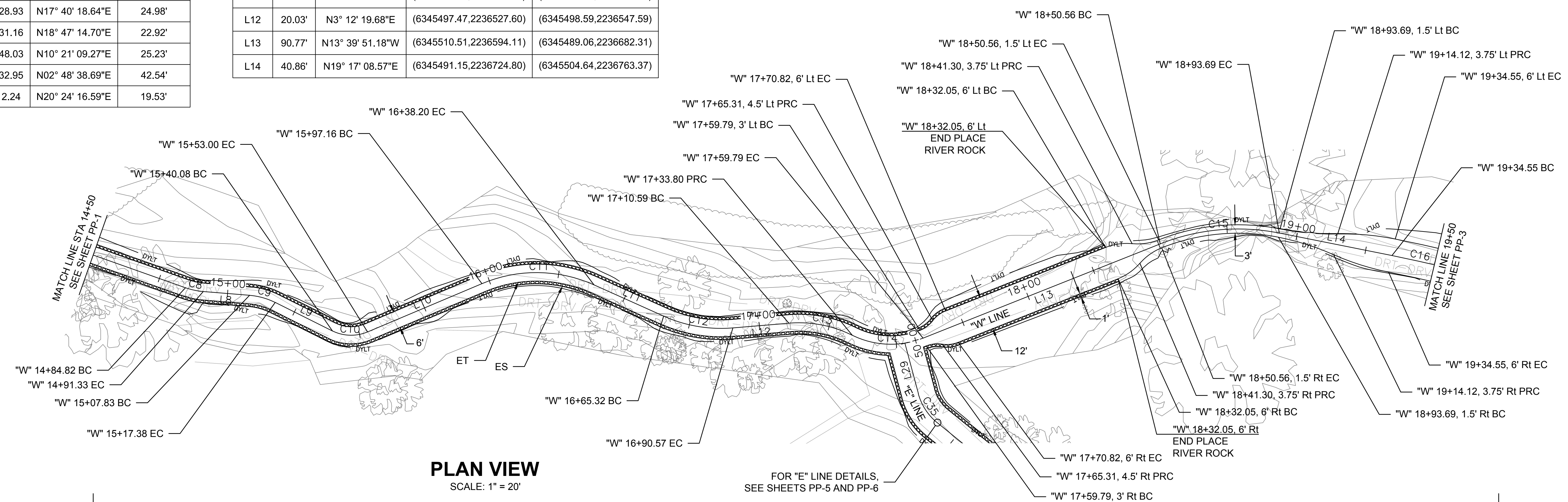
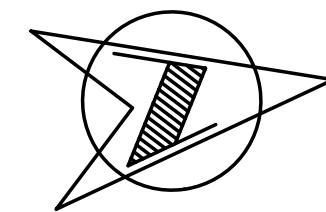
90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL	DATE: 05/31/2018	RECORD DRAWING		AS SHOWN	 SUPERVISING ENGINEER	 DATE	PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING			
DRAWN: A. BEDAL	DATE: 05/31/2018	RESIDENT ENGINEER	DATE				LOST LAKE NATURE TRAIL		WESTERN ALIGNMENT		
CHECKED: T. TRACY	DATE: 05/31/2018						STA 10+00.00 TO 14+50.00		STA 10+00.00 TO 14+50.00		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.							ROAD NO. ---	BRIDGE NO. ---	DRAWING NO. ---	SHEET NO. PP-1	TOTAL 6 of 15

Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C8	25.00'	6.51'	14.91	N20° 02' 56.24"E	6.49'
C9	25.00'	9.54'	21.87	N23° 31' 36.98"E	9.48'
C10	15.00'	12.92'	49.35	N09° 47' 06.10"E	12.52'
C11	50.00'	41.04'	47.03	N08° 37' 26.31"E	39.90'
C12	50.00'	25.25'	28.93	N17° 40' 18.64"E	24.98'
C13	42.66'	23.20'	31.16	N18° 47' 14.70"E	22.92'
C14	31.00'	25.99'	48.03	N10° 21' 09.27"E	25.23'
C15	75.00'	43.13'	32.95	N02° 48' 38.69"E	42.54'
C16	500.00'	19.53'	2.24	N20° 24' 16.59"E	19.53'

Line Table				
Line #	Length	Direction	Start Point	End Point
L8	16.50'	N12° 35' 36.76"E	(6345458.47,2236342.84)	(6345462.06,2236358.95)
L9	22.71'	N34° 27' 37.19"E	(6345465.85,2236367.64)	(6345478.70,2236386.37)
L10	44.16'	N14° 53' 24.99"W	(6345480.83,2236398.71)	(6345469.48,2236441.39)
L11	27.12'	N32° 08' 17.60"E	(6345475.46,2236480.83)	(6345489.89,2236503.79)
L12	20.03'	N3° 12' 19.68"E	(6345497.47,2236527.60)	(6345498.59,2236547.59)
L13	90.77'	N13° 39' 51.18"W	(6345510.51,2236594.11)	(6345489.06,2236682.31)
L14	40.86'	N19° 17' 08.57"E	(6345491.15,2236724.80)	(6345504.64,2236763.37)

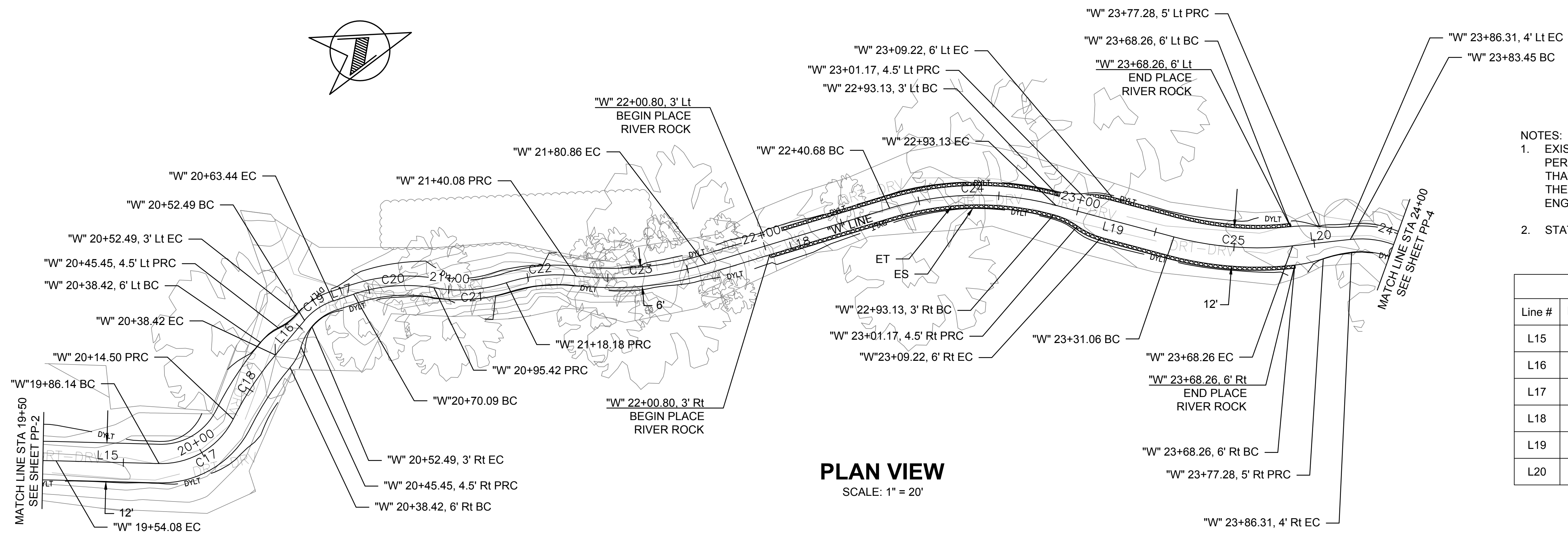
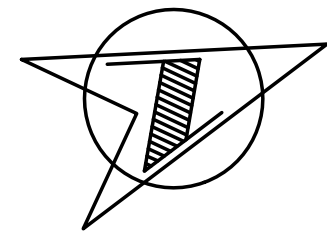
- NOTES:
- EXISTING CONTOURS AND ELEVATIONS ARE BASED ON TOPOGRAPHIC SURVEY PERFORMED IN AUGUST, 2016. SITE CONDITIONS MAY HAVE CHANGED SINCE THAT TIME. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAY ADJUST THE FINISHED GRADE ELEVATIONS UP TO ±0.2 FEET, AS APPROVED BY THE ENGINEER TO COMPENSATE FOR MINOR GRADE VARIATIONS.
 - STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL.
 - SEE SHEETS PP-5 AND PP-6 FOR "E" LINE DETAILS



90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL	DATE: 05/31/2018	RECORD DRAWING	RESIDENT ENGINEER	DATE:	AS SHOWN	 <small>575 E. Locust Ave., Suite 105 Fresno, California 93720</small>	PROJECT LOST LAKE NATURE TRAIL	 <small>DEPARTMENT OF PUBLIC WORKS AND PLANNING</small>
DRAWN: A. BEDAL	DATE: 05/31/2018					<small>SUPERVISING ENGINEER</small>	<small>ROAD NO. --- BRIDGE NO. ---</small>	WESTERN ALIGNMENT STA 14+50.00 TO 19+50.00
CHECKED: T. TRACY	DATE: 05/31/2018					<small>DATE</small>		DRAWING NO. --- SHEET NO. PP-2 TOTAL 7 of 15

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

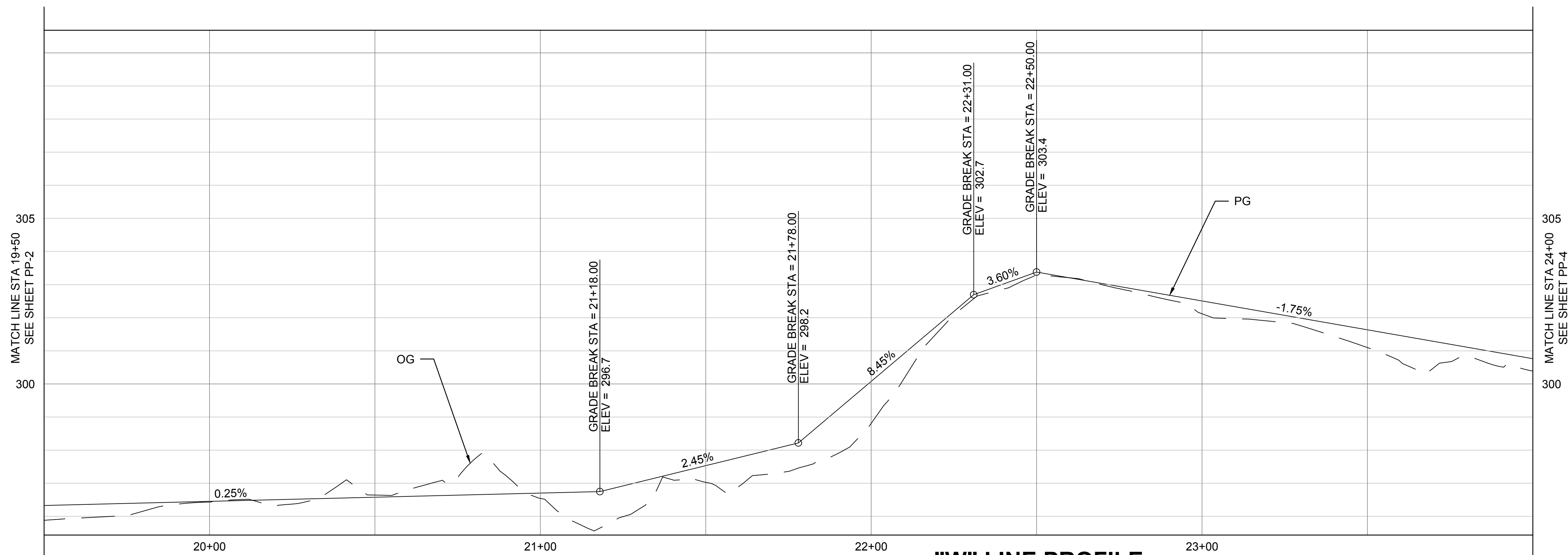


PLAN VIEW
SCALE: 1" = 20'

- NOTES:
- EXISTING CONTOURS AND ELEVATIONS ARE BASED ON TOPOGRAPHIC SURVEY PERFORMED IN AUGUST, 2016. SITE CONDITIONS MAY HAVE CHANGED SINCE THAT TIME. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAY ADJUST THE FINISHED GRADE ELEVATIONS UP TO ±0.2 FEET, AS APPROVED BY THE ENGINEER TO COMPENSATE FOR MINOR GRADE VARIATIONS.
 - STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL.

Line Table				
Line #	Length	Direction	Start Point	End Point
L15	32.06'	N21° 31' 24.60"E	(6345511.45,2236781.67)	(6345523.21,2236811.50)
L16	14.07'	N29° 46' 43.55"W	(6345503.86,2236857.02)	(6345496.87,2236869.23)
L17	6.65'	N1° 35' 32.77"E	(6345494.24,2236879.72)	(6345494.43,2236886.37)
L18	59.82'	N3° 06' 51.94"E	(6345523.09,2236992.43)	(6345526.34,2237052.16)
L19	37.93'	N34° 57' 47.42"E	(6345543.22,2237101.09)	(6345564.96,2237132.18)
L20	18.05'	N13° 38' 57.34"E	(6345580.18,2237165.89)	(6345584.44,2237183.43)

Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C17	25.00'	28.36'	65.01	N10° 58' 45.15"W	26.87'
C18	100.00'	23.92'	13.70	N36° 37' 49.23"W	23.86'
C19	20.00'	10.95'	31.37	N14° 05' 35.39"W	10.81'
C20	52.00'	25.33'	27.91	N15° 32' 51.34"E	25.08'
C21	48.00'	22.75'	27.16	N15° 55' 20.15"E	22.54'
C22	52.00'	21.91'	24.14	N14° 24' 37.60"E	21.74'
C23	100.00'	40.78'	23.36	N14° 47' 48.37"E	40.50'
C24	94.34'	52.44'	31.85	N19° 02' 19.68"E	51.77'
C25	100.00'	37.20'	21.31	N24° 18' 22.38"E	36.99'



"W" LINE PROFILE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

90% SUBMITTAL
NOT FOR CONSTRUCTION

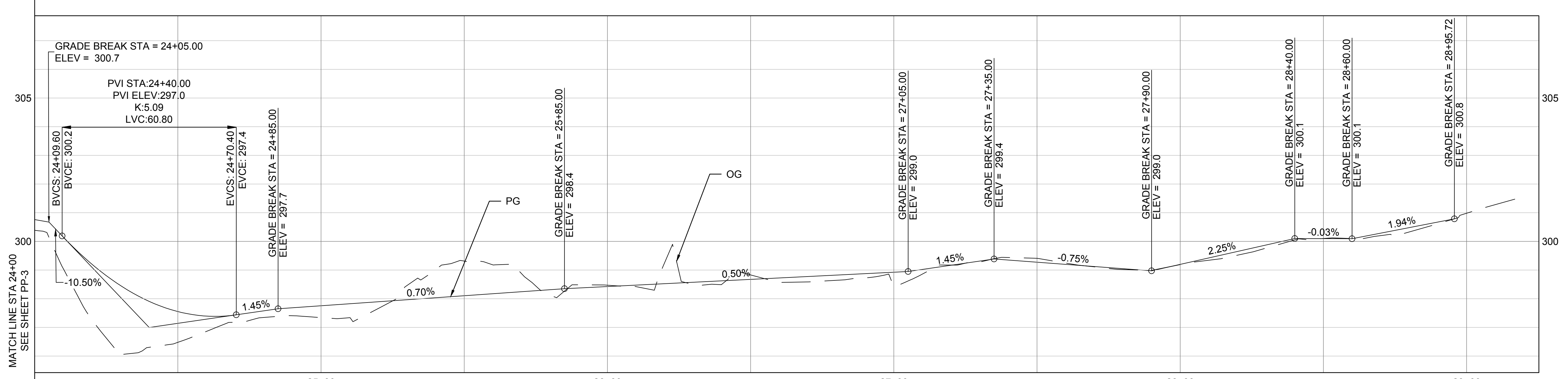
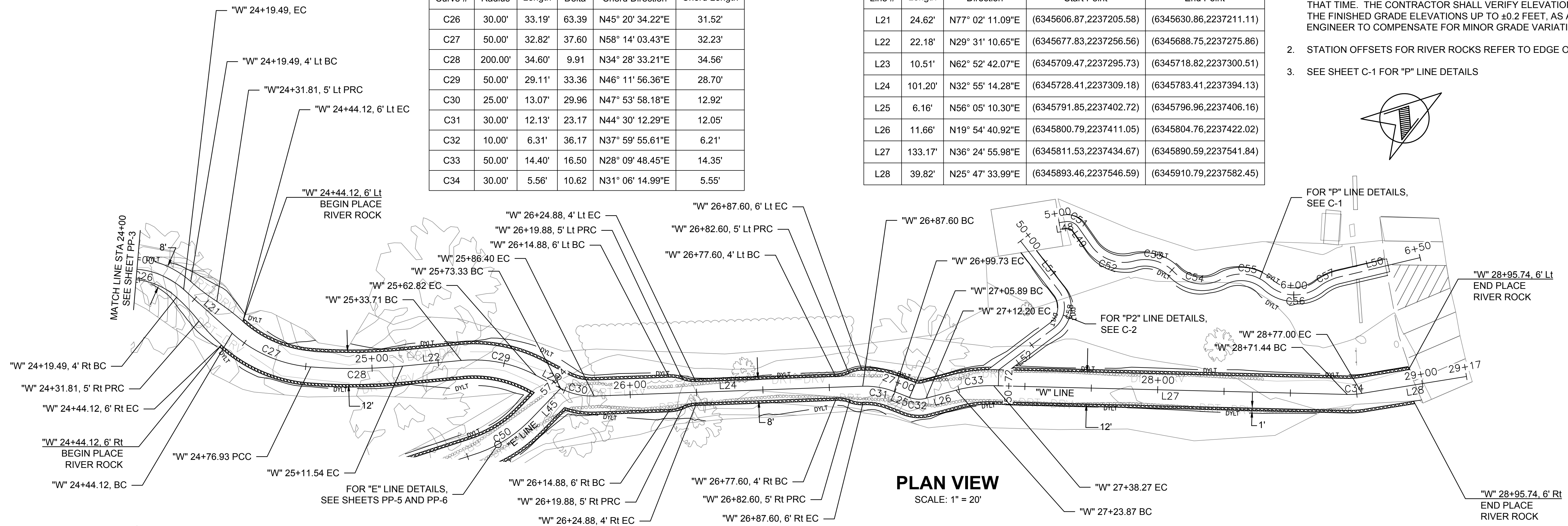
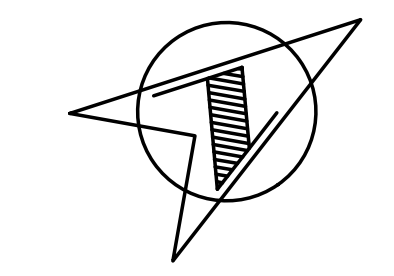
DESIGNED: A. BEDAL DRAWN: A. BEDAL CHECKED: T. TRACY		DATE: 05/31/2018 RESIDENT ENGINEER	DATE:	AS SHOWN	SUPERVISING ENGINEER	DATE:	REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA	PROJECT: LOST LAKE NATURE TRAIL	ROAD NO. --- BRIDGE NO. ---	DEPARTMENT OF PUBLIC WORKS AND PLANNING WESTERN ALIGNMENT STA 19+50.00 TO 24+00.00	DRAWING NO. --- SHEET NO. PP-3 TOTAL 8 of 15
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FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C26	30.00'	33.19'	63.39	N45° 20' 34.22"E	31.52'
C27	50.00'	32.82'	37.60	N58° 14' 03.43"E	32.23'
C28	200.00'	34.60'	9.91	N34° 28' 33.21"E	34.56'
C29	50.00'	29.11'	33.36	N46° 11' 56.36"E	28.70'
C30	25.00'	13.07'	29.96	N47° 53' 58.18"E	12.92'
C31	30.00'	12.13'	23.17	N44° 30' 12.29"E	12.05'
C32	10.00'	6.31'	36.17	N37° 59' 55.61"E	6.21'
C33	50.00'	14.40'	16.50	N28° 09' 48.45"E	14.35'
C34	30.00'	5.56'	10.62	N31° 06' 14.99"E	5.55'

Line Table				
Line #	Length	Direction	Start Point	End Point
L21	24.62'	N77° 02' 11.09"E	(6345606.87,2237205.58)	(6345630.86,2237211.11)
L22	22.18'	N29° 31' 10.65"E	(6345677.83,2237256.56)	(6345688.75,2237275.86)
L23	10.51'	N62° 52' 42.07"E	(6345709.47,2237295.73)	(6345718.82,2237300.51)
L24	101.20'	N32° 55' 14.28"E	(6345728.41,2237309.18)	(6345783.41,2237394.13)
L25	6.16'	N56° 05' 10.30"E	(6345791.85,2237402.72)	(6345796.96,2237406.16)
L26	11.66'	N19° 54' 40.92"E	(6345800.79,2237411.05)	(6345804.76,2237422.02)
L27	133.17'	N36° 24' 55.98"E	(6345811.53,2237434.67)	(6345890.59,2237541.84)
L28	39.82'	N25° 47' 33.99"E	(6345893.46,2237546.59)	(6345910.79,2237582.45)

- NOTES:
- EXISTING CONTOURS AND ELEVATIONS ARE BASED ON TOPOGRAPHIC SURVEY PERFORMED IN AUGUST, 2016. SITE CONDITIONS MAY HAVE CHANGED SINCE THAT TIME. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAY ADJUST THE FINISHED GRADE ELEVATIONS UP TO ±0.2 FEET, AS APPROVED BY THE ENGINEER TO COMPENSATE FOR MINOR GRADE VARIATIONS.
 - STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL.
 - SEE SHEET C-1 FOR "P" LINE DETAILS



90% SUBMITTAL
NOT FOR CONSTRUCTION

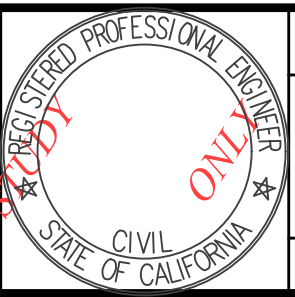
DATE		RECORD DRAWING	
DESIGNED: A. BEDAL	05/31/2018	RESIDENT ENGINEER	DATE
DRAWN: A. BEDAL	05/31/2018		
CHECKED: T. TRACY	05/31/2018		

AS SHOWN

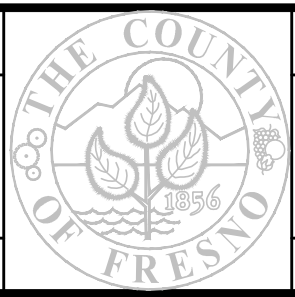
OTRC
SUPERVISING ENGINEER

575 E. Locust Ave., Suite 105
Fresno, California 93720

DATE

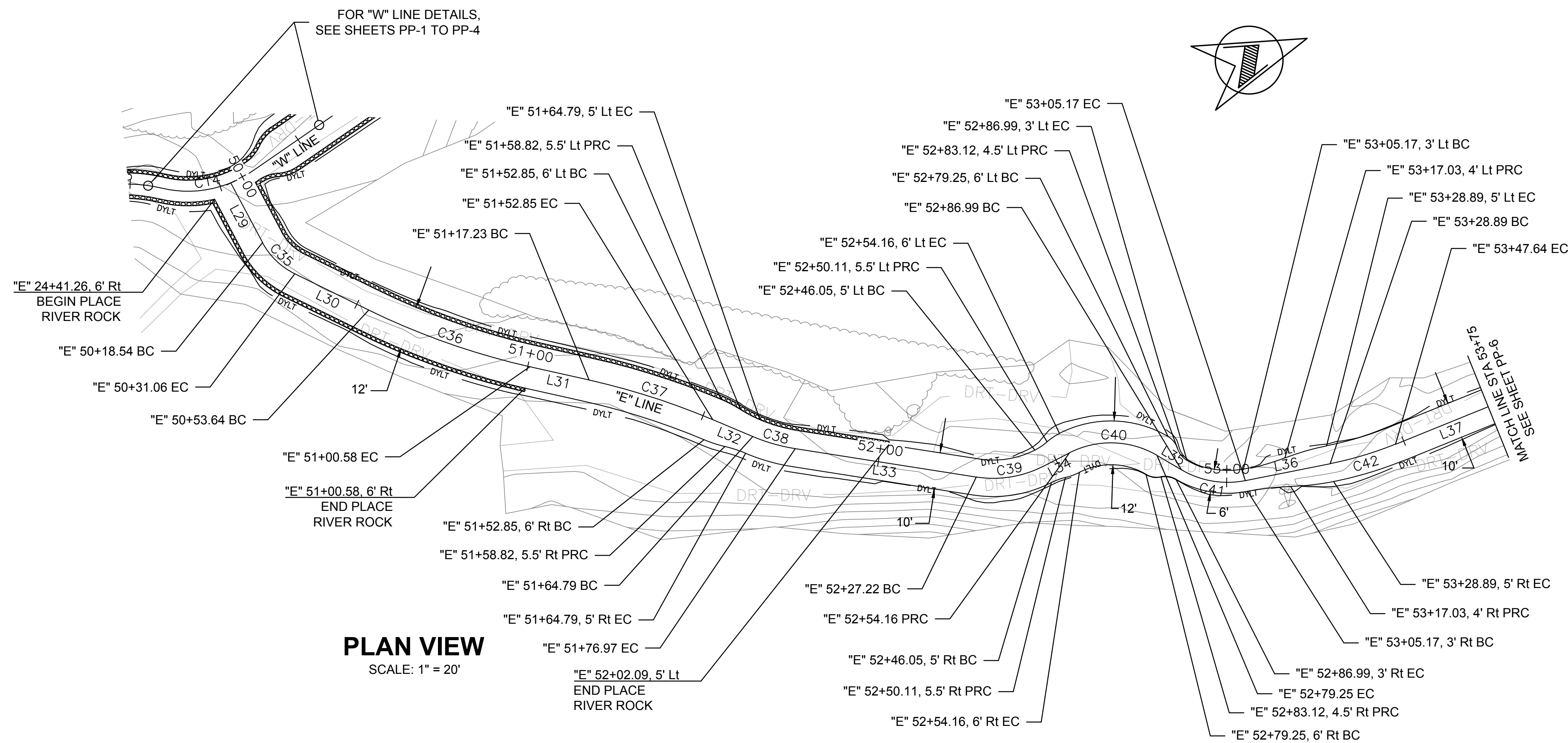


PROJECT	
LOST LAKE NATURE TRAIL	
ROAD NO. ---	BRIDGE NO. ---



DEPARTMENT OF PUBLIC WORKS AND PLANNING	
WESTERN ALIGNMENT STA 24+00.00 TO 29+17.00	
DRAWING NO. ---	SHEET NO. PP-4
TOTAL 9 of 15	

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

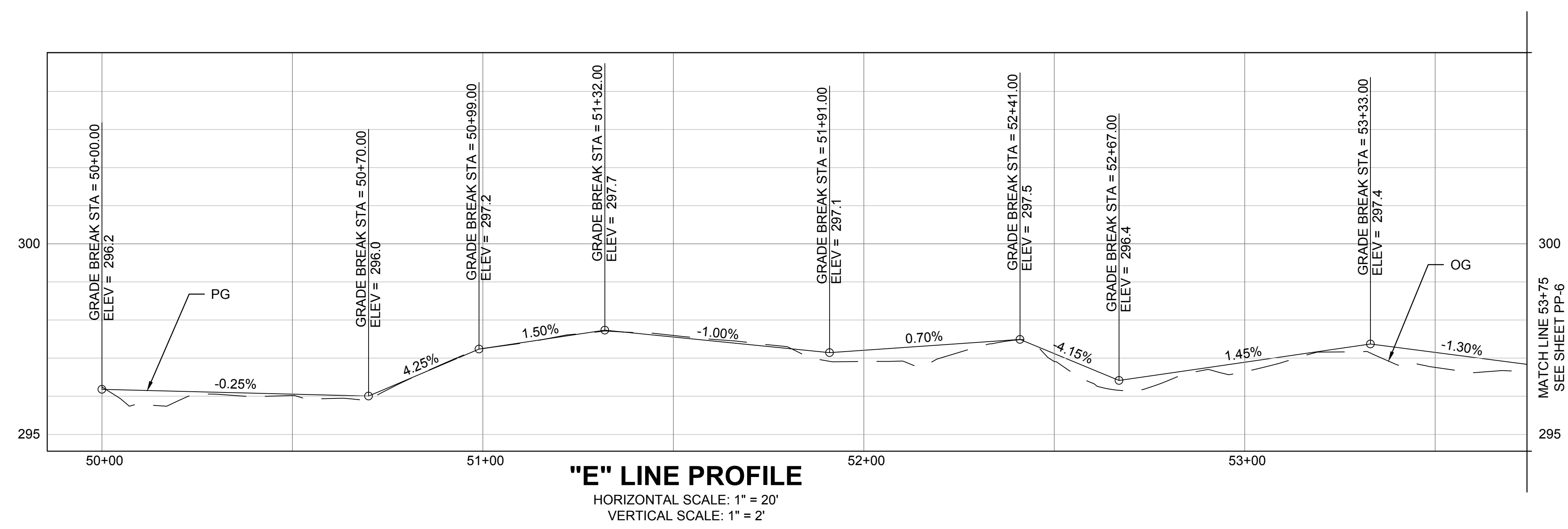


PLAN VIEW
SCALE: 1" = 20'

- NOTES:
- EXISTING CONTOURS AND ELEVATIONS ARE BASED ON TOPOGRAPHIC SURVEY PERFORMED IN AUGUST, 2016. SITE CONDITIONS MAY HAVE CHANGED SINCE THAT TIME. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAY ADJUST THE FINISHED GRADE ELEVATIONS UP TO ±0.2 FEET, AS APPROVED BY THE ENGINEER TO COMPENSATE FOR MINOR GRADE VARIATIONS.
 - STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL.
 - SEE SHEETS PP-1 TO PP-4 FOR "W" LINE DETAILS

Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C35	20.00'	12.52'	35.87	N65° 02' 30.30"E	12.32'
C36	200.00'	46.94'	13.45	N40° 22' 56.99"E	46.83'
C37	200.00'	35.62'	10.20	N38° 45' 39.43"E	35.57'
C38	50.00'	12.18'	13.95	N36° 53' 11.82"E	12.15'
C39	30.00'	18.84'	35.98	N11° 55' 17.42"E	18.53'
C40	25.00'	25.08'	57.49	N22° 40' 37.32"E	24.05'
C41	25.00'	18.17'	41.65	N30° 35' 48.90"E	17.78'
C42	99.42'	18.75'	10.80	N04° 22' 12.92"E	18.72'

Line Table				
Line #	Length	Direction	Start Point	End Point
L29	18.54'	N82° 58' 40.16"E	(6345511.38,2236587.45)	(6345529.78,2236589.71)
L30	22.59'	N47° 06' 20.44"E	(6345540.95,2236594.91)	(6345557.49,2236610.28)
L31	16.65'	N33° 39' 33.54"E	(6345587.83,2236645.95)	(6345597.06,2236659.82)
L32	11.94'	N43° 51' 45.31"E	(6345619.33,2236687.55)	(6345627.61,2236696.16)
L33	50.25'	N29° 54' 38.32"E	(6345634.90,2236705.88)	(6345659.95,2236749.43)
L34	8.11'	N6° 04' 03.48"W	(6345663.78,2236767.56)	(6345662.92,2236775.62)
L35	7.75'	N51° 25' 18.12"E	(6345672.19,2236797.81)	(6345678.25,2236802.64)
L36	23.73'	N9° 46' 19.68"E	(6345687.30,2236817.94)	(6345691.33,2236841.32)
L37	31.28'	N1° 01' 53.84"W	(6345692.75,2236859.99)	(6345692.19,2236891.27)



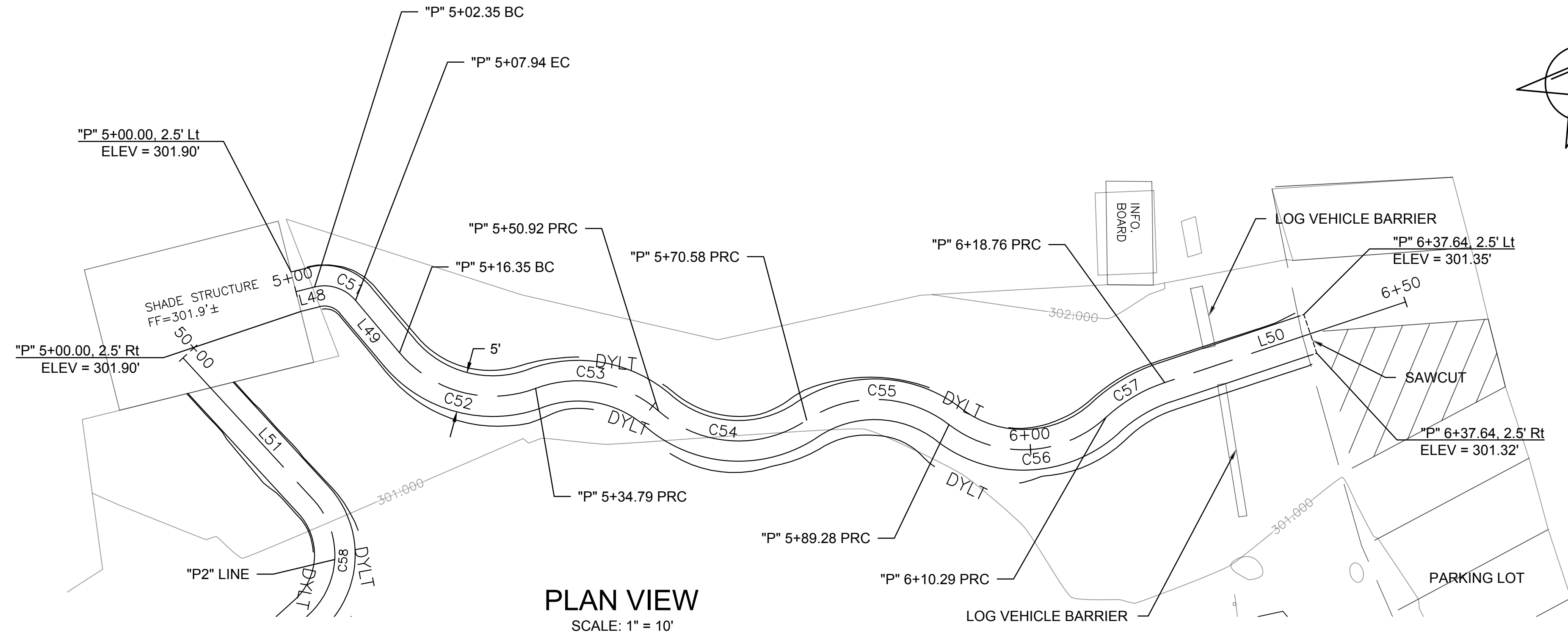
"E" LINE PROFILE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

90% SUBMITTAL
NOT FOR CONSTRUCTION

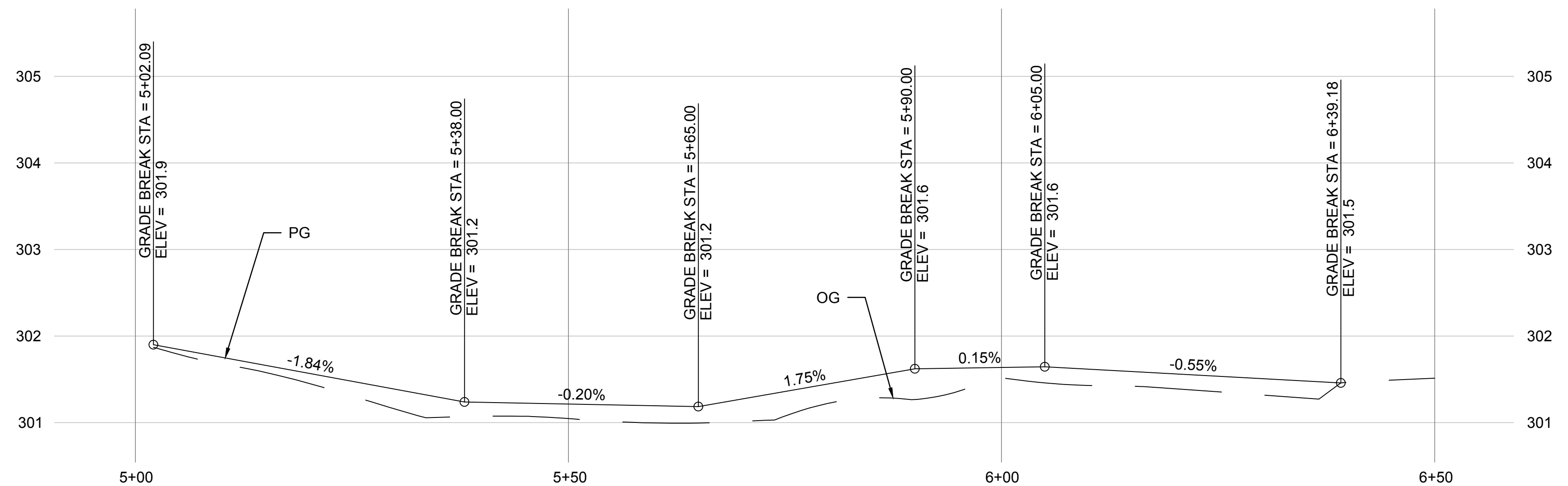
DESIGNED: A. BEDAL		DATE: 05/31/2018	RECORD DRAWING		AS SHOWN	 SUPERVISING ENGINEER	575 E. Locust Ave., Suite 105 Fresno, California 93720	 CIVIL ENGINEER	PROJECT		 DEPARTMENT OF PUBLIC WORKS AND PLANNING		
DRAWN: A. BEDAL		DATE: 05/31/2018	RESIDENT ENGINEER						LOST LAKE NATURE TRAIL			EASTERN ALIGNMENT	
CHECKED: T. TRACY		DATE: 05/31/2018	DATE						ROAD NO. --- BRIDGE NO. ---			STA 50+00.00 TO 53+75.00	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.													
										DRAWING NO. ---	SHEET NO. PP-5	TOTAL 10 of 15	

Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C51	5.00'	5.59'	64.06	N57° 54' 38.36"E	5.30'
C52	15.00'	18.44'	70.44	N54° 43' 22.51"E	17.30'
C53	15.00'	16.13'	61.62	N50° 18' 55.08"E	15.37'
C54	15.00'	19.65'	75.07	N43° 35' 19.96"E	18.28'
C55	15.00'	18.71'	71.45	N41° 46' 36.40"E	17.52'
C56	15.00'	21.01'	80.25	N37° 22' 41.33"E	19.33'
C57	20.00'	8.47'	24.26	N09° 22' 58.55"E	8.40'

Line Table				
Line #	Length	Direction	Start Point	End Point
L48	2.35'	N25° 52' 47.47"E	(6345775.39,2237490.05)	(6345776.42,2237492.16)
L49	8.41'	N89° 56' 29.25"E	(6345780.91,2237494.97)	(6345789.32,2237494.98)
L50	31.24'	N21° 30' 41.72"E	(6345852.65,2237564.74)	(6345864.11,2237593.81)



PLAN VIEW
SCALE: 1" = 10'



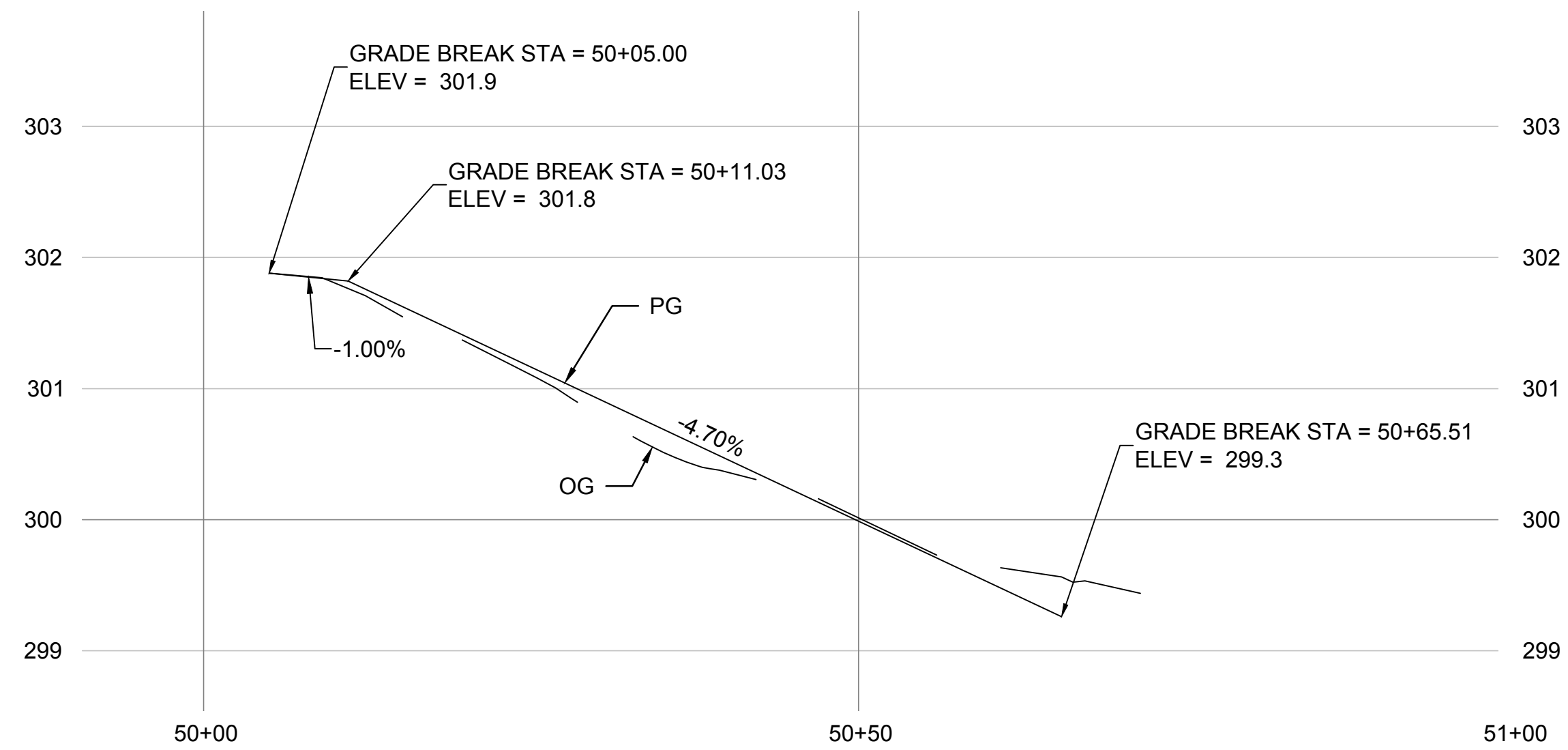
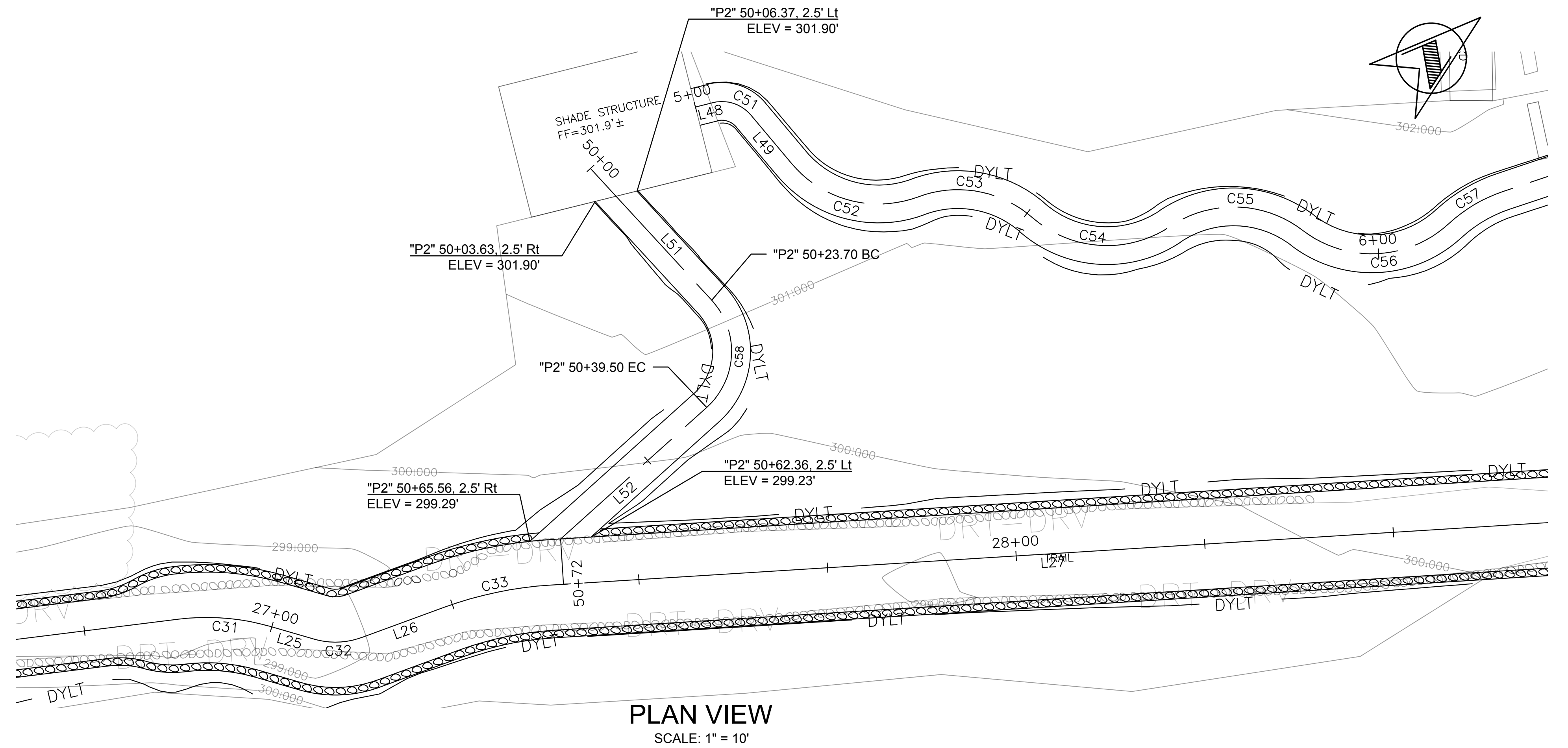
NOTES:
1. STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL

90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL	DATE: 05/31/2018	RECORD DRAWING		AS SHOWN	 SUPERVISING ENGINEER	 CIVIL ENGINEER	PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: A. BEDAL	DATE: 05/31/2018						LOST LAKE NATURE TRAIL		CONSTRUCTION DETAILS
CHECKED: T. TRACY	DATE: 05/31/2018						ROAD NO. ---		BRIDGE NO. ---




Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C58	10.00'	15.81'	90.57	S47° 18' 39.45"E	14.21'

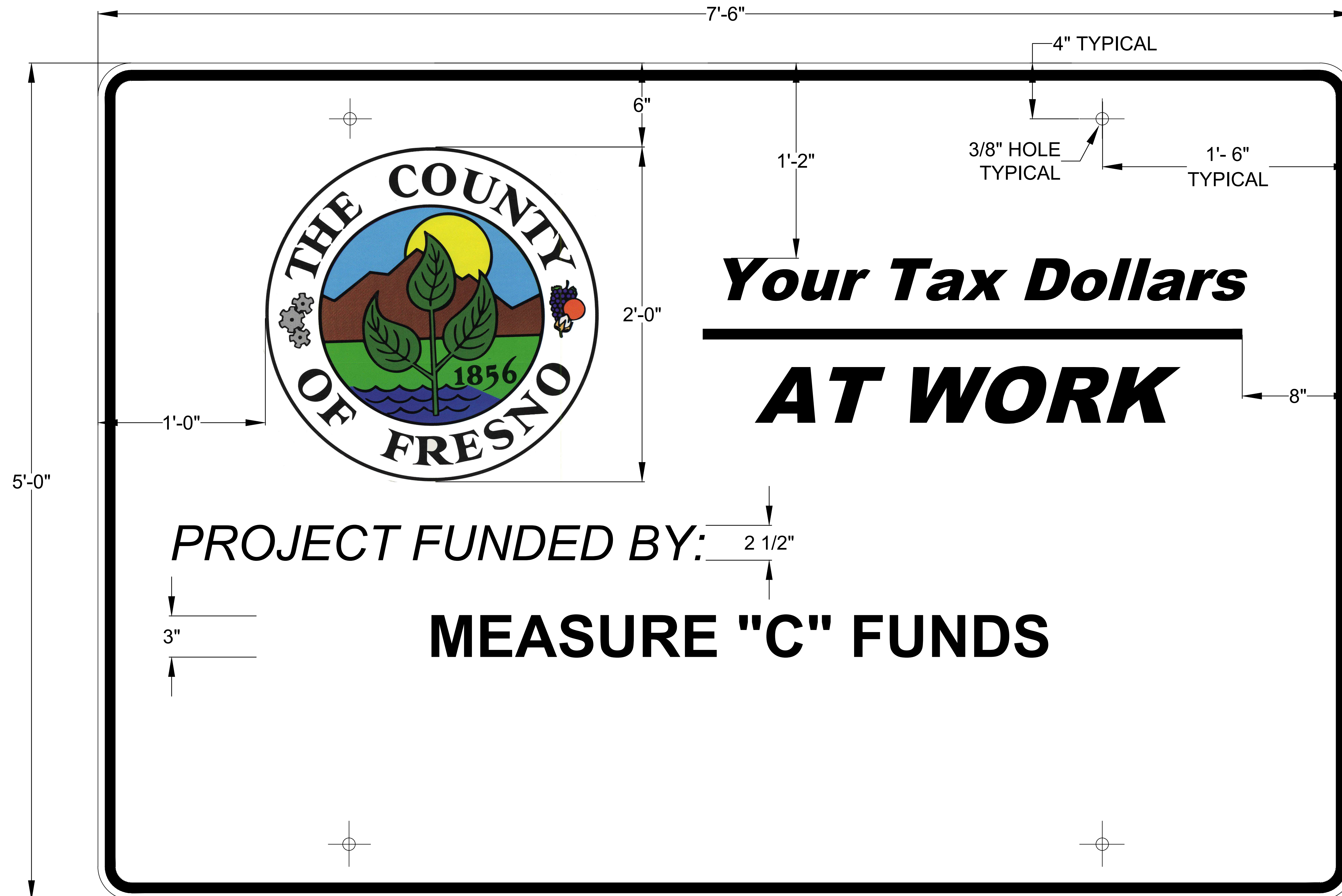
Line Table					
Line #	Length	Direction	Start Point	End Point	
L51	23.70'	N87° 24' 11.82"E	(6345772.70,2237474.18)	(6345796.37,2237475.25)	
L52	26.01'	S2° 01' 30.72"E	(6345806.81,2237465.62)	(6345807.73,2237439.63)	



NOTES:
1. STATION OFFSETS FOR RIVER ROCKS REFER TO EDGE OF TRAIL




90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL	DATE: 05/31/2018	RECORD DRAWING		AS SHOWN	 SUPERVISING ENGINEER	 CIVIL ENGINEER STATE OF CALIFORNIA	PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: A. BEDAL	DATE: 05/31/2018	RESIDENT ENGINEER					LOST LAKE NATURE TRAIL	
CHECKED: T. TRACY	DATE: 05/31/2018						BRIDGE NO. ---	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.							DRAWING NO. ---	
							CONSTRUCTION DETAILS WALKWAY	SHEET NO. C-2
							TOTAL 13 of 15	



SEE SHEET SD-2 FOR OTHER DETAILS

90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL	DATE: 05/31/2018	RECORD DRAWING		NO SCALE	 575 E. Locust Ave., Suite 105 Fresno, California 93720 SUPERVISING ENGINEER	 CIVIL STATE OF CALIFORNIA	PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: A. BEDAL	DATE: 05/31/2018	RESIDENT ENGINEER	DATE				LOST LAKE NATURE TRAIL		SIGN DETAILS
CHECKED: T. TRACY	DATE: 05/31/2018						ROAD NO. --- BRIDGE NO. ---		FUNDING SIGN
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.							DRAWING NO. --- SHEET NO. SD-1 TOTAL 14 of 15		






STANDARD FRESNO COUNTY SEAL



NOTES

1. THE SIGN LEGEND SHALL BE BLACK ON A WHITE BACKGROUND (NON-REFLECTIVE)
2. THE SIGN BORDER SHALL BE BLUE (NON-REFLECTIVE)
3. PROJECT FUNDING SIGNS SHALL CONFORM TO SECTION 82 OF THE 2015 CALTRANS STANDARD SPECIFICATIONS
4. THE DEPARTMENT'S DESIGN DIVISION WILL PROVIDE AN ADHESIVE BACKED COPY OF THE COUNTY SEAL TO BE LOCATED AS SHOWN ON DRAWING NO. 01

90% SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED: A. BEDAL		DATE: 05/31/2018	RECORD DRAWING		NO SCALE	 575 E. Locust Ave., Suite 105 Fresno, California 93720 SUPERVISING ENGINEER	 CIVIL STATE OF CALIFORNIA	PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: A. BEDAL		DATE: 05/31/2018						LOST LAKE NATURE TRAIL			SIGN DETAILS	
CHECKED: T. TRACY		DATE: 05/31/2018						ROAD NO. --- BRIDGE NO. ---			FUNDING SIGN	
								DRAWING NO. --- SHEET NO. SD-2 TOTAL 15 of 15				

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

Check Date: Nov/15/2019 Check No. 120348956

Invoice Number	Invoice Date	Voucher ID	Fund	Organization	Paid Amount
MB11003	Sep/03/2019	02157787	0010	4510	\$8,000.00

Description:

ENCROACHMENT PERMIT FEES FOR LOST LAKE TRAIL MODIFICATION & IMPROVEMENT PROJECT

Vendor Number	Vendor Name		
0000285077	CENTRAL VALLEY FLOOD PROTECTION BOARD		
Check Number	Date	Total Amount	Total Paid Amount
120348956	Nov/15/2019	\$8,000.00	\$8,000.00

ANY QUESTIONS REGARDING THE ABOVE ITEMS SHOULD BE ADDRESSED TO:
COUNTY OF FRESNO, AUDITOR-CONTROLLER/TREASURER - TAX COLLECTOR P.O. BOX 1247, FRESNO, CA. 93715-1247

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER

BANK OF THE WEST
1-800-488-2265
2035 Fresno Street
Fresno, CA 93721
90-78/1211

STATE OF CALIFORNIA
COUNTY OF FRESNO
FRESNO, CALIFORNIA

Date Nov/15/2019

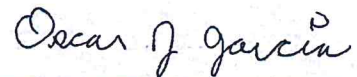
120348956

Pay To The **CENTRAL VALLEY FLOOD PROTECTION BOARD**
Order Of

\$8,000.00**

****EIGHT THOUSAND AND XX/100 DOLLAR****

CENTRAL VALLEY FLOOD PROTECTION BOARD
ATTENTION PERMITTING SECTION
3310 EL CAMINO AVE STE 170
SACRAMENTO, CA 95821



Authorized Signature
VOID SIX MONTHS AFTER DATE ISSUED

⑈ 120348956 ⑈ ⑆ 121100782⑆ 097000038⑈