

IN THE COUNTY OF RIVERSIDE, CALIFORNIA

# SOBOBA BAND OF LUISEÑO INDIANS

## SOBOBA MDP LINE J

### PHASE I

#### ABBREVIATIONS

BC	BEGIN CURVE
C	CURVE
C&G	CURB AND GUTTER
CL	CENTER LINE
CML&C	CONCRETE MORTAR LINED & COATED
DNE	DOES NOT EXIST
E	ELECTRIC
EA	EACH
EC	END OF CURVE
EL	ELEVATION
ELEC	ELECTRIC
E.M.W.D.	EASTERN MUNICIPAL WATER DISTRICT
ENC	ENCASEMENT
EP	EDGE OF PAVEMENT
EX.	EXISTING
FUT	FUTURE
GB	GRADE BREAK
HORZ	HORIZONTAL
INV	INVERT ELEVATION
LF	LINEAR FOOT
MDP	MASTER DRAINAGE PLAN
MH	MANHOLE
MIN	MINIMUM
NO.	NUMBER
N.T.S.	NOT TO SCALE
PRCB	PRECAST REINFORCED CONCRETE BOX
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SF	SQUARE FOOT
STA	STATION
STD.	STANDARD
STD. DWG.	STANDARD DRAWING
SWR	SEWER
VERT	VERTICAL

#### NOTIFICATIONS

AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL NOTIFY:

EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT	(951) 928-3777, EXT 4291
CITY OF SAN JACINTO	(951) 654-7337
UNDERGROUND SERVICE ALERT	(800) 227-2600
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	(951) 955-1200
SOBOBA BAND OF LUISEÑO INDIAS KATHIE BRENNAN	(951) 654-5544, EXT 4126

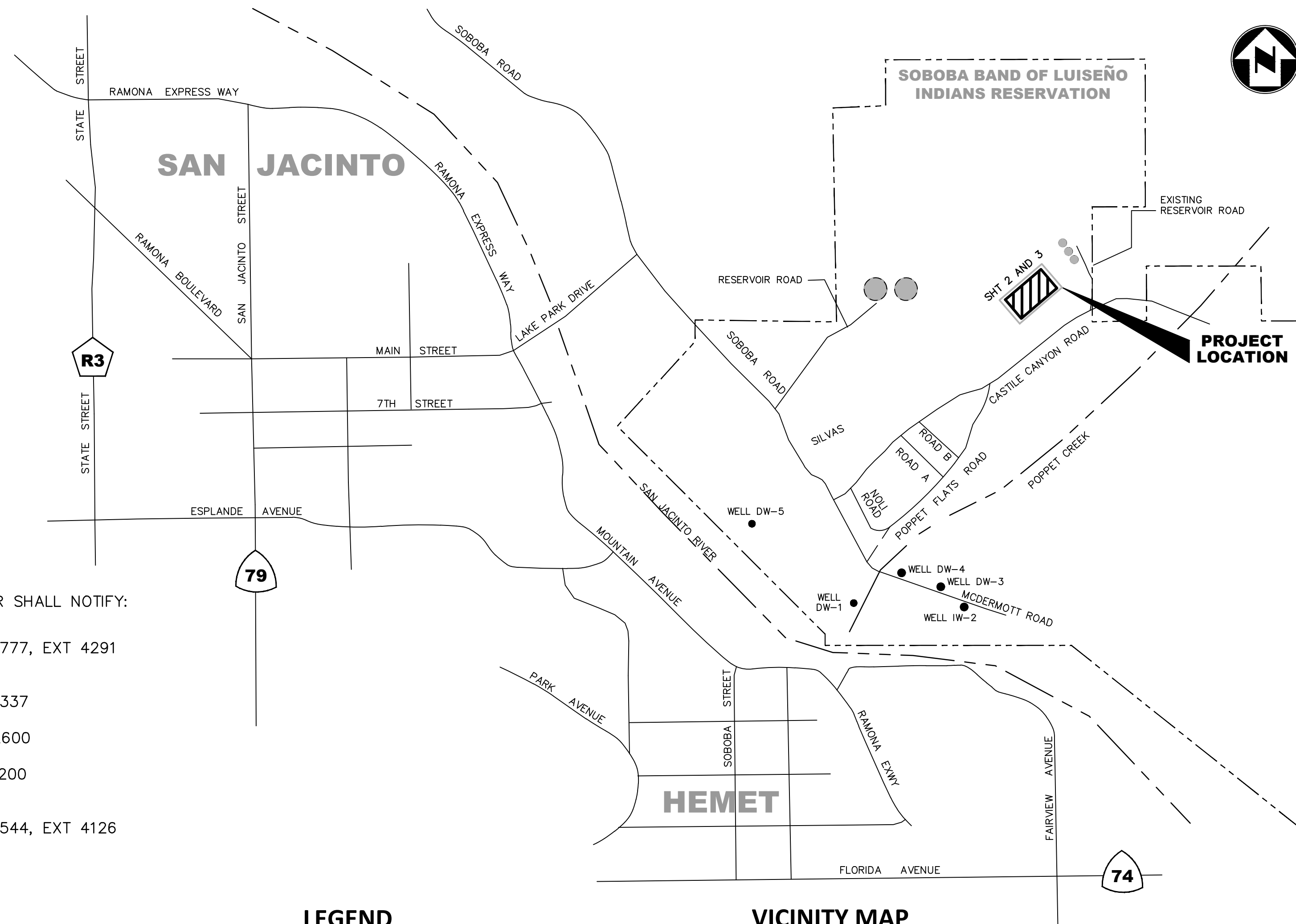
#### UNDERGROUND UTILITIES NOTE

ALL UNDERGROUND STRUCTURES OR UTILITIES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT.

THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD THE UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON THE RECORDS EXAMINED.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 OR 811 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.



#### LEGEND

	EXISTING RIGHT OF WAY
	EXISTING CENTERLINE
	EXISTING ELECTRICAL LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

#### VICINITY MAP

N.T.S.

#### INDEX

TITLE SHEET  
PLAN & PROFILE-LINE J

SHEET NO.  
1

#### R.C.F.C & W.C.D. STANDARD DRAWINGS

JS 226 JUNCTION STRUCTURE NO. 1	2
MH 253 CONCRETE MANHOLE NO. 3	2
M 816 CONCRETE BULKHEAD	2
M 801 CHAIN LINK FENCE	3

SHEET NO.  
2

#### CALTRANS STANDARD DRAWINGS

D83A PRECAST CONCRETE 12'w x 8'H PRCB	2
D83A PRECAST CONCRETE 8'w x 7'H PRCB	2
D84 HEADWALL/WINGWALL	3

SHEET NO.  
2

#### GENERAL NOTES

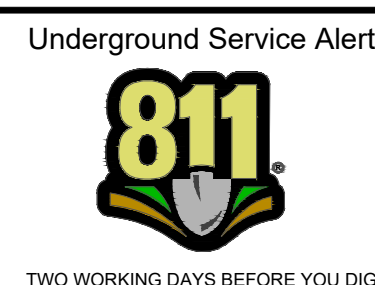
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S (DISTRICT) M.O.U. STANDARD SPECIFICATIONS DATED MARCH 2020 AND DISTRICT STANDARD DRAWINGS. FOR THE LATEST STANDARD DRAWINGS, PLEASE REFER TO THE "ENGINEERING TOOLS" PAGE FOUND ON THE "BUSINESS" SECTION OF THE DISTRICT'S WEBSITE.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPES REFER TO THE CENTERLINE INTERSECTION STATIONS.
- FORTY-EIGHT (48) HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT AT 1.800.227.2600.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 4" TYPE "A" HOT MIX ASPHALT OVER 6" CLASS 2 AGGREGATE BASE OR AS SPECIFIED BY THE ENGINEER.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
- PIPE BEDDING SHALL CONFORM TO DISTRICT STANDARD DRAWING NO. M815.
- BH-1 INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED \_\_\_\_\_. LOCATIONS SHOWN ARE APPROXIMATE.
- "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS ARE TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY THE TRIBE DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- THE CONCRETE COATING ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES AND STRUCTURES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2 INCHES OVER THE REINFORCING STEEL AND INCREASED TO A MINIMUM OF 3-1/2 INCHES OVER REINFORCING STEEL FOR BOX CULVERT, WHEN DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE F'C=5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND F'C=6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
- CONSTRUCTION JOINTS FOR CALTRANS STANDARD REINFORCED CONCRETE BOX SHALL BE PLACED ACCORDING TO DISTRICT STANDARD DRAWING NO. BOX 401.
- ROCK FOR ACCESS ROADS, TURN AROUNDS AND OTHER AREAS AS SHOWN ON THE PROJECT DRAWINGS AND AS DIRECTED BY THE ENGINEER SHALL MEET THE REQUIREMENTS FOR 1" X NO. 4 COARSE AGGREGATE AS PER SECTION 90-1.02C(4)(B) OF THE CALTRANS SPECIFICATIONS. X VALUES FOR ROCK GRADATION SHALL BE 75 AND 15 FOR 3/4" AND 3/8" RESPECTIVELY. ROCK SHALL ADDITIONALLY MEET THE SPREADING AND COMPACTION REQUIREMENTS OF SECTIONS 26-1.03D AND 26-1.03E OF THE CALTRANS SPECIFICATIONS. FURTHERMORE, ROCK DEPTH SHALL NOT EXCEED 3" AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER. ROCK SHALL NOT CONTAIN RECYCLED CONCRETE PRODUCTS.



**BENCH MARK:**  
THE BENCH MARK FOR THIS PROJECT WAS CONTROL POINT "STA 6" AS SHOWN ON RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT MAP OF SECTION 36, TOWNSHIP 4 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, 740'± SOUTHEASTERLY FROM MAIN STREET, ALONG THE WESTERLY LEVEE OF THE SAN JACINTO RIVER, AS SHOWN ON SAID MAP. ELEV. 1611.35

**BASIS OF BEARING:**  
THE BASIS OF BEARINGS FOR THIS PROJECT WAS A LINE BETWEEN CONTROL POINTS "STA 6" AND "STA 11", AS SHOWN ON RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT MAP OF SECTION 36, TOWNSHIP 4 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, TAKEN AS N28°11'34"W, AS CALCULATED AND MEASURED.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



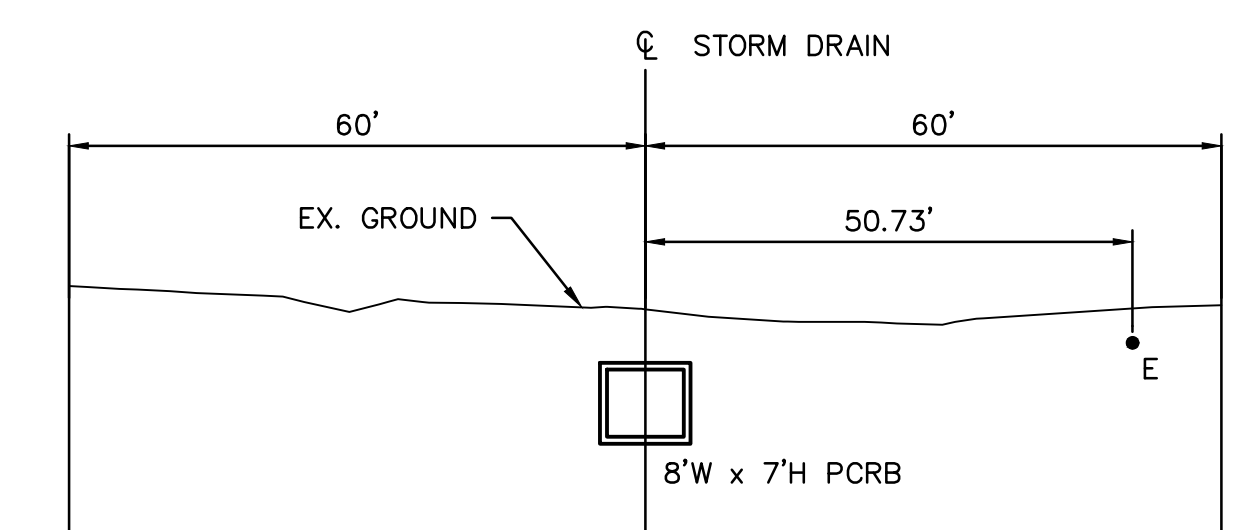
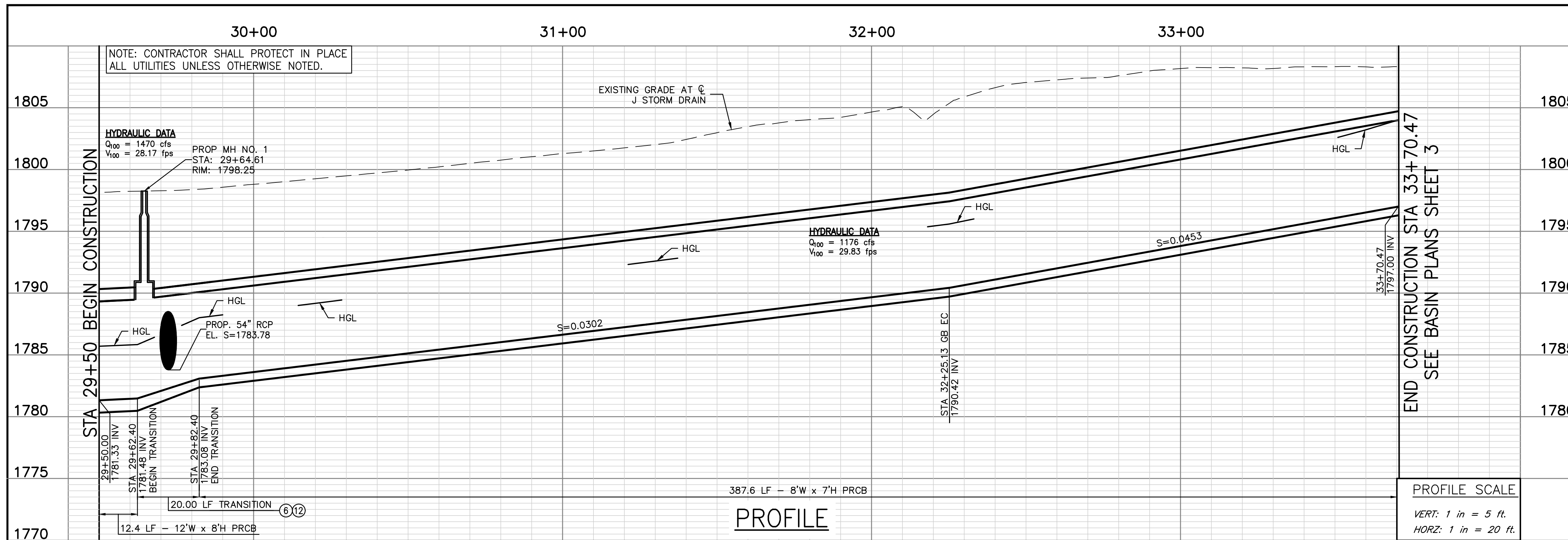
Revision	No.	By	Date	Approval

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		Date	
		Date	
Designed	SH/RT/MA	Checked	RT/MA
Drawn	SH/MP/ZD	Job No.	96019.042
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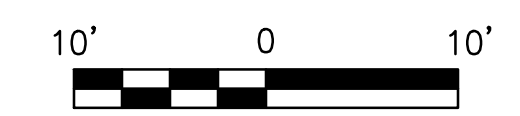


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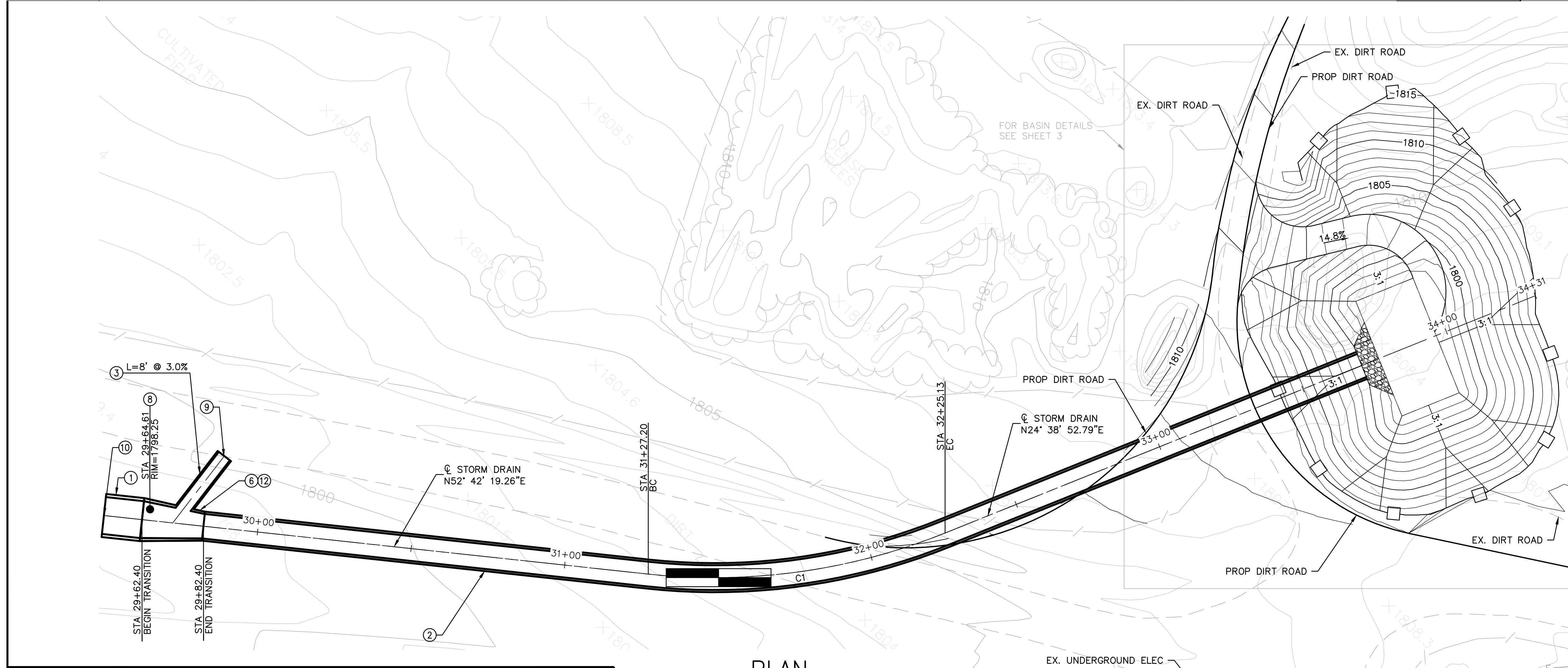
<b>SOBOBA BAND OF LUISEÑO INDIANS</b>	
SOBOBA RESERVATION PHASE I - MDP LINE J TITLE SHEET	
SHEET 1 OF 3 SHEETS DWG. NO.	



SECTION STATION AT 31+50.00  
TYPICAL FROM STA. 29+50 TO STA. 33+68



PROFILE SCALE  
VERT: 1 in = 5 ft.  
HORIZ: 1 in = 20 ft.

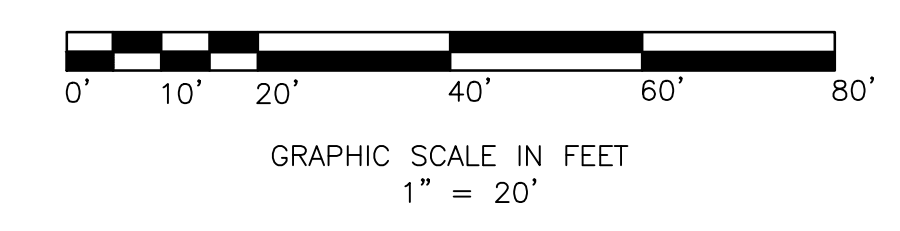
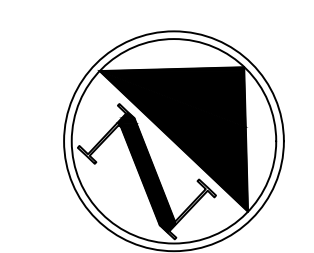


PLAN

NOTES

- ① CONSTRUCT CONCRETE 12'W x 8'H PRCB PER CALTRANS STD. PLAN D83A. **12.4 LF**
- ② CONSTRUCT CONCRETE 8'W x 7'H PRCB PER CALTRANS STD. PLAN D83A. **387.6 LF**
- ③ CONSTRUCT 54\" RCP 1500-D. L=8' @ 3.0%. **8 LF**
- ⑥ CONSTRUCT TRANSITION STRUCTURE NO. 2 PER RCFC&WCD STD. DWG. TS302. A=60', B=54', C=11', ELEV. \"S\"=1787.12, ELEV. \"R\"=1787.47. **1 EA**
- ⑧ CONSTRUCT MANHOLE NO. 3 PER RCFC&WCD STD. DWG. MH253. **1 EA**
- ⑨ CONSTRUCT CONCRETE BULKHEAD FOR 54\" RCP PER RCFC&WCD STD. DWG. M816. **1 EA**
- ⑩ CONSTRUCT CONCRETE BULKHEAD FOR 12'W x 8'H PRCB PER RCFC&WCD STD. DWG. M816. **1 EA**
- ⑫ ALL TRANSITION STRUCTURAL REBARS SIZES AND SPACING SHALL BE PER CALTRANS STD. DWG. D83A FOR PRCB 12'W x 8'H. **APPROXIMATE WEIGHT OF STEEL=2,957 LB**

CURVE TABLE				
NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	28°03'26"	200.00'	97.94'	49.97'



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NOTES:

1. ALL UTILITY CROSSINGS TO BE FIELD VERIFIED.
2. ALL CROSS SECTIONS ARE LOOKING DOWNSTREAM.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

Underground Service Alert

TWO WORKING DAYS BEFORE YOU DIG

Revision	No.	By	Date	Approval

APPROVED

\_\_\_\_\_  
RCE Date

\_\_\_\_\_  
Date

Designed: SH/RT/MA Checked: RT/MA Scale: 1\"/>

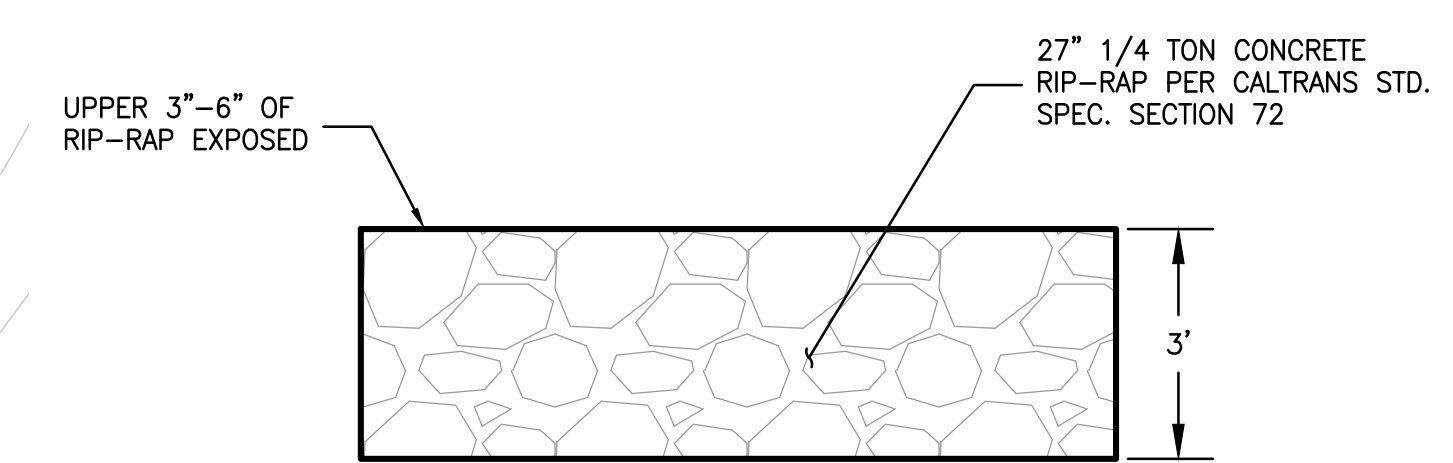
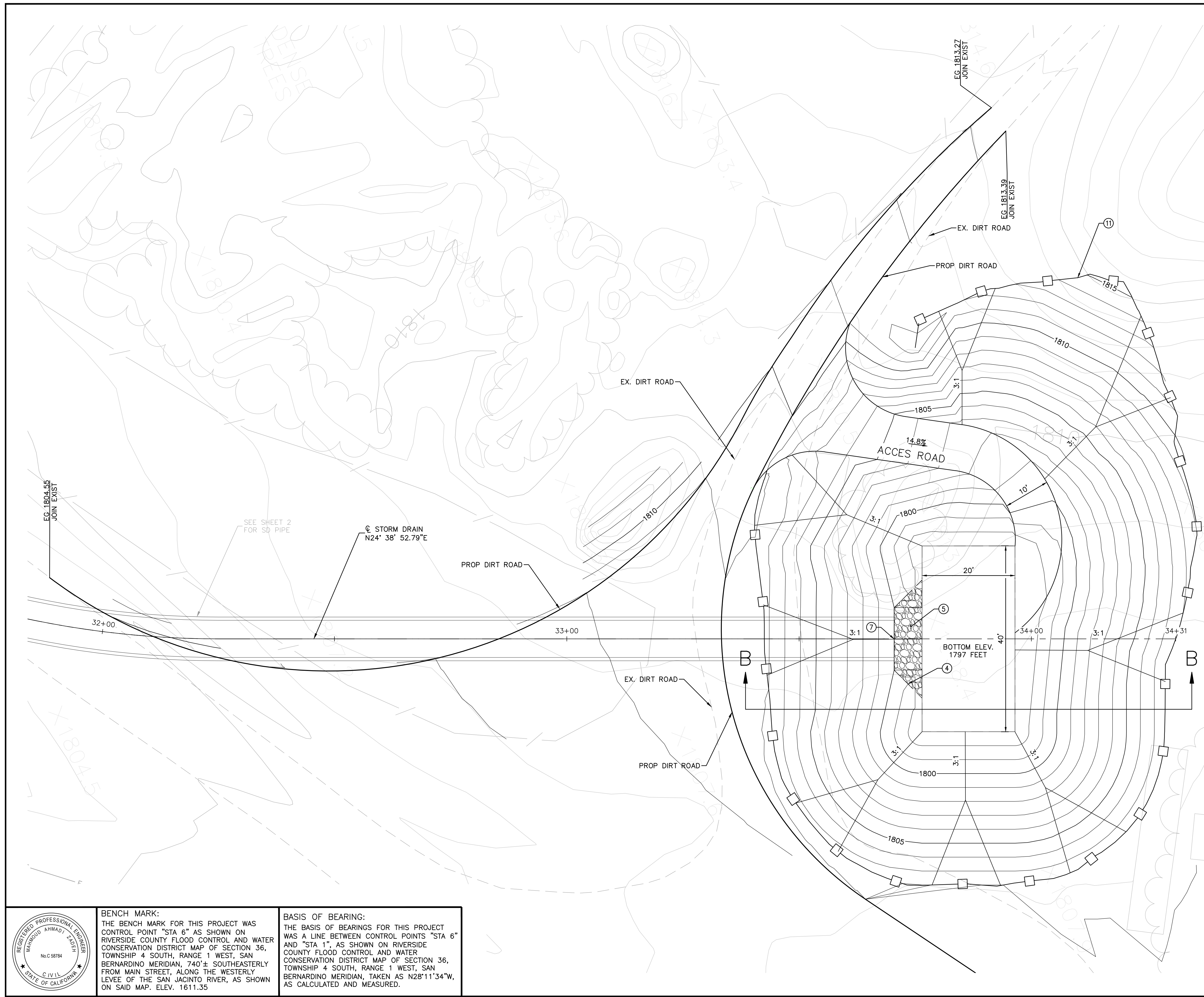
Engineering Resources of Southern California

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Redlands, California 92373-5119  
(626) 890-1252

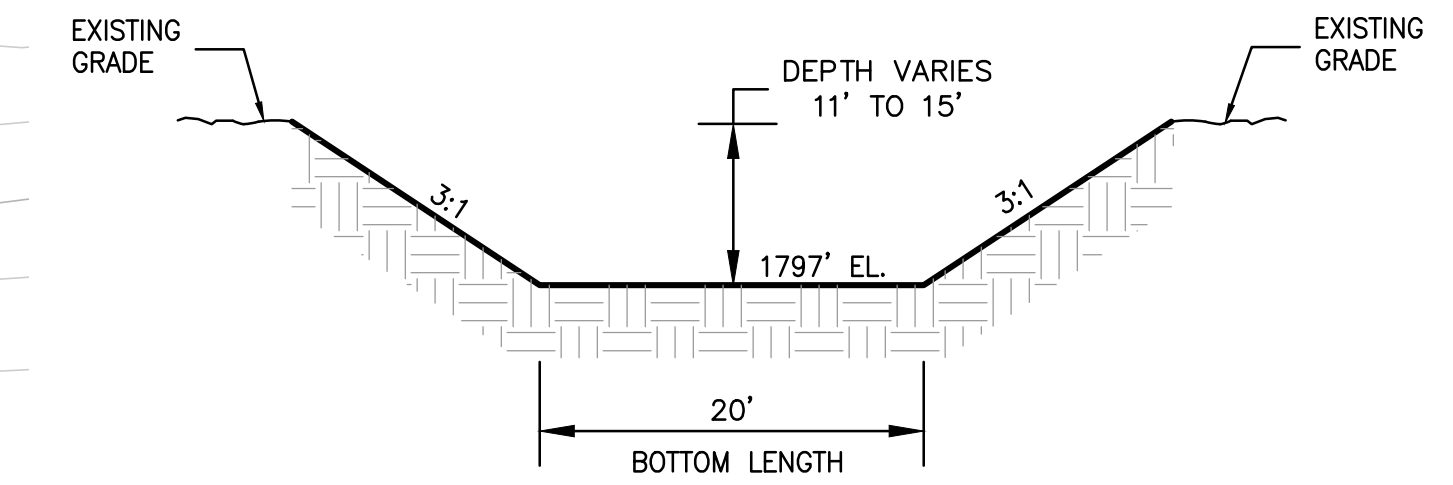
**SOBOBA BAND OF LUISEÑO INDIANS**

SOBOBA RESERVATION  
PHASE I - MDP LINE J  
STA. 29+52 TO STA. 33+70

SHEET  
2 OF 3  
SHEETS  
DWG. NO.



**SECTION A-A**  
1/4 TON RIP-RAP  
N.T.S.



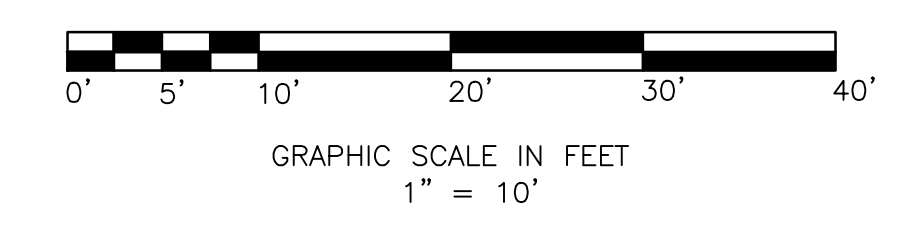
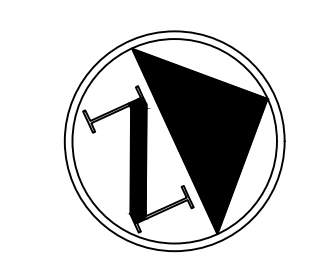
**SECTION B-B**  
N.T.S.

**NOTES**

- ④ CONSTRUCT HEADWALL/WINGWALL PER CALTRANS STD. D84. 1 EA
- ⑤ CONSTRUCT 1/4 TON RIP-RAP PER DETAIL A-A. 1/4 TON
- ⑦ CONSTRUCT TRASH RACK PER SSPWC STD. DWG. 361-2. 1 EA
- ⑩ CONSTRUCT CHAIN LINK FENCE PER RCFC&WCD STD. DWG. M801. 331 LF

**NOTES:**

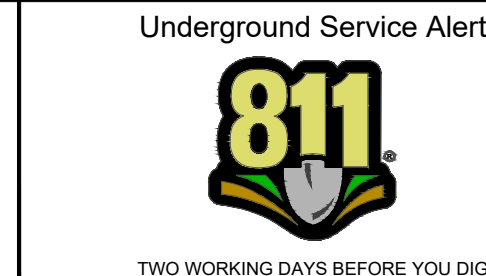
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		RCE	Date
		_____	Date
Designed	SH/RT/MA	Checked	RT/MA
Drawn	SH/MP/ZD	Job No.	96019.042
		Scale:	1" = 20'



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**SOBOBA BAND OF LUISEÑO INDIANS**

SOBOBA RESERVATION  
PHASE I - MDP LINE J  
BASIN GRADING PLAN

SHEET	3 OF 3
DWG. NO.	