



TRINIDAD RANCHERIA ENVIRONMENTAL DEPARTMENT

Site #13 NONPOINT SOURCE POLLUTION REDUCTOIN AND EROSION CONTROL PROJECT

NOTICE TO CONTRACTORS

Bid proposals will be accepted by the Trinidad Rancheria, until the time of bid opening at **2:00 PM, Wednesday August 21, 2024**. Drawings and Specifications will be available at the Humboldt Builders Exchange, Trinidad Rancheria website or for Pickup at the Trinidad Rancheria at 1 Cher-Ae Lane, Trinidad, CA 95570. Any inquiries about the project should be directed to the attention of Ron Sundberg, Trinidad Rancheria Natural Resources Director, ronsundberg@trinidadrancheria.com by **5:00 PM, Thursday August 15th 2024** and will be included in an addendum at the Humboldt Builders Exchange and Trinidad Rancheria website

Timeframes:

Envelopes containing bids should be clearly marked on the outside: **Site #13 Nonpoint Source Pollution Reduction and Erosion Control Project**. Sealed proposals will be received by (and all bids should be mailed or hand delivered to) the: Trinidad Rancheria, P.O. Box 630, 1 Cher-Ae Lane, Trinidad, CA. 95570, or Emailed to ronsundberg@trinidadrancheria.com. Emailed bids will be opened along with mailed or hand delivered bids at **2:00PM, August 21st, 2024**

- 1) A pre-bid meeting is scheduled for **10:00 AM, Friday August 9th, 2024**, at the Trinidad Rancheria Tribal office and will include a site walkthrough. Contractors attending the pre-bid meeting will be provided a formal agenda and minutes following the meeting. Contractors will be required to sign an official sign-in sheet to document attendance.
- 2) On **Wednesday, August 21, 2024 at 2:00 PM** bids will be publicly opened by the Trinidad Rancheria Natural Resources Department, at a public meeting in the Trinidad Rancheria Tribal Office, Trinidad, CA

General Specifications:

- 1) The goal of this project is to address the erosion due to a slope drain failure at Site #13, which is located in the Trinidad Rancheria along Cher-Ae Lane and adjacent to the Heights Casino main parking lot, due to an open and overtopping storm drain junction box that conveys stormwater from the largest drainage basin at the site to an existing 12" Dia. Plastic flex pipe culvert (separated and leaking) that discharges into Cher-Ae Creek. The proposed design will include two new stormwater junction boxes, a replacement of the existing 12" diameter culvert that conveys Stormwater from the adjacent The Heights Casino main parking lot to the Stormwater junction box with a larger 18" diameter CMP, and an engineered 30" diameter anchored CMP to convey stormwater from the proposed Stormwater junction box to Cher-Ae Creek.
- 2) Upon Notice to Proceed contractor shall complete all contractual obligations between **September 1st, 2024 and October 18, 2024 which constitutes (Forth-Eight (48) CALENDAR DAYS)**. After which, a liquidated damage charge of \$1000.00 per calendar day is prescribed.
- 3) Davis Bacon wage requirements shall apply.
- 4) Cher-Ae Heights Indian Community of the Trinidad Rancheria PROCUREMENT POLICY Adopted by the Cher-Ae Heights Indian Community of the Trinidad Rancheria Tribal council by Resolution #TC-18-08 on April 20, 2018. The effective date of this Statement is April 20, 2018.
 - a) Issue the solicitation unrestricted to allow both non-Native American and qualified Native American-owned economic enterprises or organizations to submit bids and award shall be made to the qualified Native American-owned economic enterprises or organizations with the lowest responsive bid, if the bid is within the total maximum contract price established for the procurement and within the applicable range specified in Appendix A of the lowest non-Native American bid price; or

Attachment A if the bid from the qualified Native American-owned economic enterprise or organization is within 10% range of the lowest, non-Native American firm will be given the opportunity to meet the lowest bid price, Should the Native American-owned firm refuse to meet the lower price, the bid shall then be awarded to the responsive and responsible low bidder for the project. The Trinidad Rancheria Tribal Council reserves the right to reject any and all bids and to waive any irregularity or informality which is contained in any bid. All construction is subject to availability of funds

- 5) The Trinidad Rancheria Tribal Council reserves the right to reject any and all bids and to waive any irregularity or informality which is contained in any bid. All construction is subject to availability of funds.

Other Requirements:

- 1) A cashier's check or bond guarantee, in the amount of ten percent (10%) of the bid, must accompany the bid proposal. As soon as the bid prices have been compared, the Owner will return the bonds of all except the three lowest responsible bidders, When the Agreement is executed, the bond of the two remaining unsuccessful bidders will be returned. The bid bond of the successful bidder will be retained until the Payment and performance bonds have been executed and approved, after which it will be returned.
- 2) Retention of 10% of the contract amount will be withheld and paid thirty calendar days after project completion and approval.
- 3) The successful Bidder shall furnish a payment bond and a performance bond, each in the amount of 100% of the contract amount, after receiving the Notice of award.
- 4) The successful bidder shall provide both a certificate of liability and a certificate of worker's compensation, each in the amount of \$1,000,000 and each naming the Trinidad Rancheria as an additional insured. Questions regarding bonds and insurance requirements shall be directed to Ron Sundberg, Trinidad Rancheria Natural Resources Director 707.825-2731.
- 5) The Contractor shall comply with all applicable federal, tribal and state regulations.
- 6) The Contractor shall comply with and require its subcontractors to comply with the all applicable environmental and historical preservation laws, regulations and requirements of the Trinidad Rancheria relating to the performance of the work for this project.
- 7) Cultural Monitoring shall be required during any digging or earthmoving activities.

Notes:

1. Funding for this project are from EPA Clean Water Act and BIA Division of Environmental, Cultural Resource Management and Safety. BIA funding is not yet secured so there is a minimal possibility that this project will take a phased approach. Funding is expected in September 2024. Contractor is expected to bid project as is and if phased approach is needed, change orders will be made for any extra cost to the project.
2. Contractor is not responsible for implementing water quality monitoring requirements described in the construction plans described in the WATER QUALITY MONITORING REQUIREMENTS section in the construction plans.

Attachments:

- **Construction Plans**
- **Bid Form**
- **Bid Schedule**



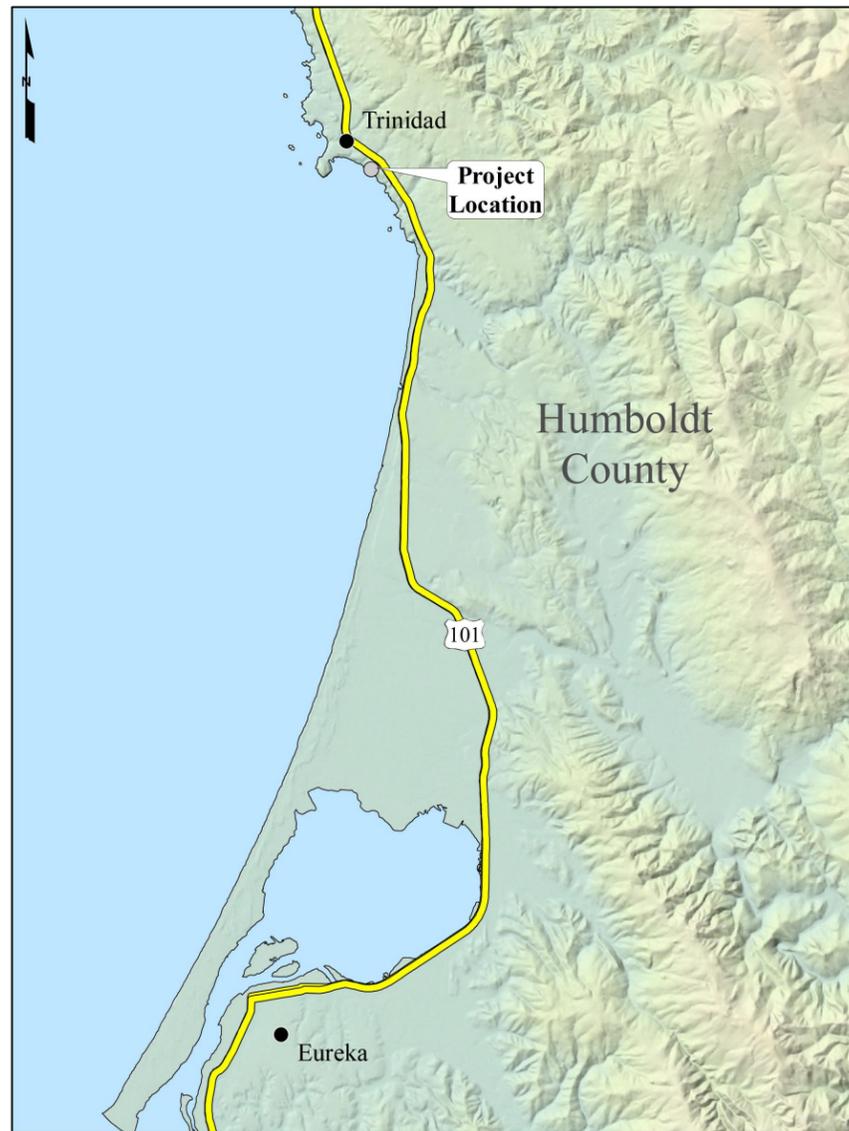
TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT

PROJECT LOCATION: HUMBOLDT COUNTY, CA

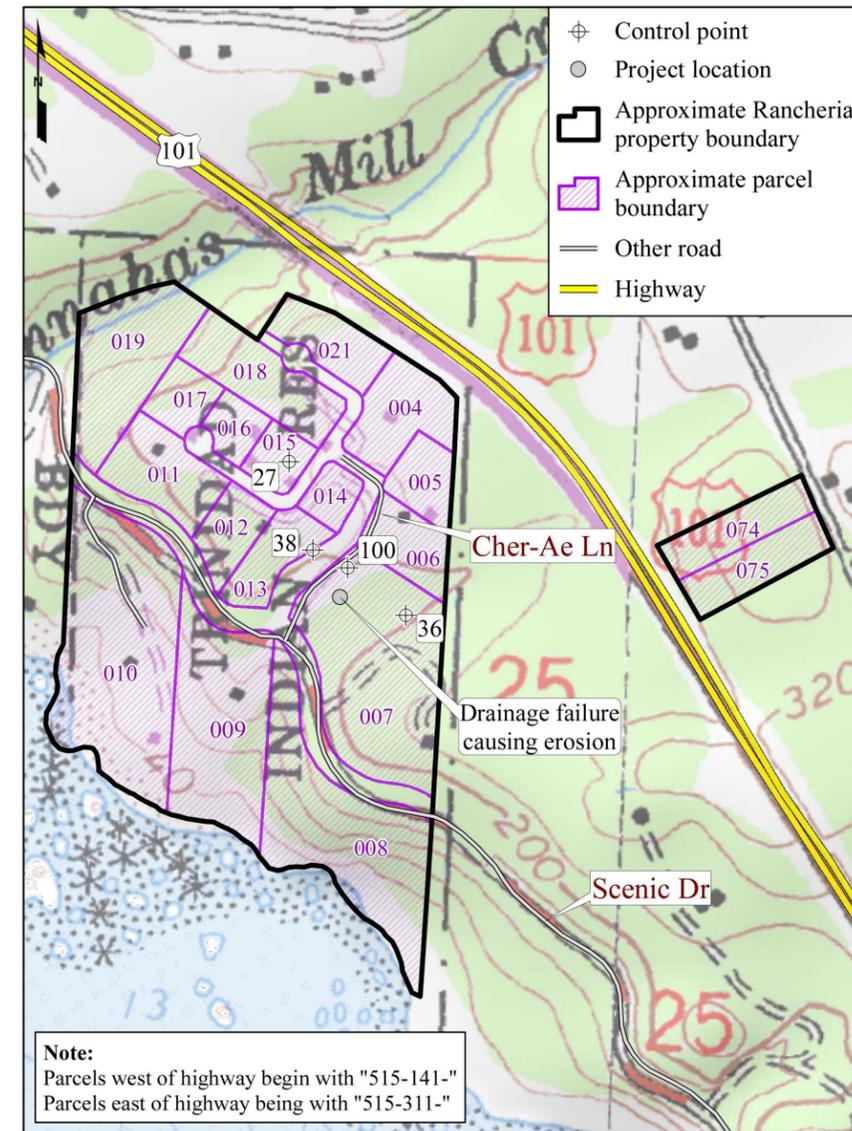
PREPARED FOR:
TRINIDAD RANCHERIA

CONSTRUCTION PLANS

| Sheet List Table | |
|------------------|----------------------------|
| Sheet Number | Sheet Title |
| C1 | COVER PAGE AND SHEET INDEX |
| C2 | CONSTRUCTION NOTES |
| C3 | EXISTING CONDITIONS |
| C4 | PROPOSED CONDITIONS |
| C5 | PROFILE VIEWS |
| C6 | SECTION VIEWS |
| C7 | TYPICAL DETAILS |
| C8 | WATER CONTROL PLAN |
| C9 | EROSION CONTROL PLAN |



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

PROJECT DESCRIPTION

THE GOAL OF THIS PROJECT IS TO ADDRESS THE EROSION DUE TO A SLOPE DRAIN FAILURE AT SITE #13, WHICH IS LOCATED IN THE TRINIDAD RANCHERIA ALONG CHER-AE LANE AND ADJACENT TO THE CHER-AE HEIGHTS CASINO MAIN PARKING LOT, DUE TO AN OPEN AND OVERTOPPING STORM DRAIN JUNCTION BOX THAT CONVEYS STORMWATER FROM THE LARGEST DRAINAGE BASIN AT THE SITE (9.84 ACRES) TO AN EXISTING 12" DIA. PLASTIC FLEX PIPE CULVERT (SEPARATED AND LEAKING) THAT DISCHARGES INTO CHER-AE CREEK. THE PROPOSED DESIGN WILL INCLUDE TWO NEW STORMWATER JUNCTION BOXES, A REPLACEMENT OF THE EXISTING 12" DIA. CULVERT THAT CONVEYS STORMWATER FROM THE ADJACENT CHER-AE HEIGHTS CASINO MAIN PARKING LOT TO THE STORMWATER JUNCTION BOX WITH A LARGER 18" DIA. CMP, AND A AN ENGINEERED 30" DIA. ANCHORED CMP TO CONVEY STORMWATER FROM THE PROPOSED STORMWATER JUNCTION BOX TO CHER-AE CREEK.

DATE: 5/11/2023
 NOTES PREPARED BY: PWA
 FIGURES CREATED BY: JPS

PACIFIC WATERSHED ASSOCIATES, INC.
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 ARCATA, CALIFORNIA 95518
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SHEET DESCRIPTION:
COVER PAGE AND SHEET INDEX

PROJECT NAME AND LOCATION:
TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT

PWA JOB NO. 10644

C1

FILE PATH: P:\CAD\10644_Trinidad Rancheria_Slope Drain 13 and Site 8\DWG\10644TITLE_SHEET.dwg SAVE DATE: 5/11/2023 1:06 PM SAVED BY: Julians

11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.

FILE PATH: P:\CAD\10644_Trinidad Rancheria_Slope Drain 13 and Site 8\DWG\10644TITLE_SHEET.dwg SAVE DATE: 5/11/2023 1:06 PM SAVED BY:Julians
 11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.

GENERAL NOTES

1. THE CONTRACTOR SHALL HAVE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
2. THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT EXCAVATION, GRADING, AND FILL WORK IS CONSISTENT WITH ALL APPLICABLE PERMITS, THE CALIFORNIA BUILDING CODE, CALIFORNIA FISH AND GAME CODE, CALIFORNIA WATER CODE, AND OTHER LOCAL CODES AND REQUIREMENTS.
3. A COPY OF THE PLANS, SPECIFICATIONS, AND ALL PERMITS SHALL BE KEPT ON-SITE AT ALL TIMES WHEN EXCAVATION AND CONSTRUCTION WORK ARE ONGOING.
4. IF GROUND DISTURBANCE WILL OCCUR BETWEEN OCTOBER 15 AND MAY 15, THE MATERIALS CALLED OUT IN THE EROSION CONTROL PLAN SHALL BE PRESENT ON SITE BEFORE EXCAVATION COMMENCES. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING WEATHER AND IMPLEMENTING THE BEST MANAGEMENT PRACTICES (BMPS) SPECIFIED IN THE EROSION CONTROL PLAN. BMPS SHALL BE IN PLACE AT LEAST 24 HOURS PRIOR TO A PREDICTED RUNOFF GENERATING STORM (>50% CHANCE OF >0.1 INCHES OF PRECIPITATION IN A 24 HOUR PERIOD). THE CONTRACTOR SHALL BE SOLELY LIABLE FOR VIOLATIONS OF ENVIRONMENTAL PERMITS AND CODES RESULTING FROM FAILURE TO IMPLEMENT BMPS IN A TIMELY MANNER.
5. THE CONTRACTOR SHALL IDENTIFY THE EXCAVATION BOUNDARIES AND DIRECTIONS TO THE EXCAVATION AREA USING WHITE PAINT IN ACCORDANCE WITH THE REQUIREMENTS OF USA NORTH 811. NOTIFICATION TO USA NORTH 811 SHALL BE MADE NOT LESS THAN 2 WORKING DAYS AND NOT MORE THAN 14 CALENDAR DAYS BEFORE DIGGING COMMENCES. USA NORTH 811 MEMBERS WILL IDENTIFY THE LOCATIONS OF UNDERGROUND UTILITIES ONCE THE CONTRACTOR RECEIVES A USA TICKET NUMBER BY CALLING 811 OR APPLYING ONLINE AT [HTTP://USANORTH811.ORG/](http://USANORTH811.ORG/). IF THERE IS UNCERTAINTY REGARDING THE LOCATION OF UNDERGROUND UTILITIES WITHIN THE PERIMETER OF THE EXCAVATION AREA, THE CONTRACTOR SHALL HIRE A QUALIFIED PRIVATE UTILITY LOCATING SERVICE.
6. IF OVERHEAD UTILITIES ARE PRESENT, THE CONTRACTOR SHALL DETERMINE IF THE UTILITIES WILL INTERFERE WITH EQUIPMENT OPERATIONS. IF OVERHEAD UTILITIES COULD POTENTIALLY INTERFERE WITH EQUIPMENT OPERATIONS, THE CONTRACTOR SHALL PROVIDE A SPOTTER WHO SHALL BE CAPABLE OF COMMUNICATING CLEARANCE DISTANCES AND UNSAFE CONDITIONS TO THE EQUIPMENT OPERATOR.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGE TO OVERHEAD AND UNDERGROUND UTILITIES. IN THE EVENT OVERHEAD OR UNDERGROUND UTILITIES ARE DAMAGED THE CONTRACTOR SHALL CEASE EXCAVATION AND CALL 911 IMMEDIATELY.
8. IN THE EVENT THAT ARCHAEOLOGICAL RESOURCES ARE ENCOUNTERED DURING EXCAVATION, ALL EXCAVATION WORK SHALL CEASE UNTIL A QUALIFIED ARCHAEOLOGICAL AND/OR TRIBAL MONITOR IS CONSULTED. IF THERE ARE MULTIPLE PEOPLE FULFILLING THIS ROLE FOR THE PROJECT, THEN EXCAVATION WORK SHALL RESTART ONLY UPON THE APPROVAL OF ALL QUALIFIED ARCHAEOLOGISTS AND/OR TRIBAL MONITORS. IF HUMAN REMAINS OR EVIDENCE OF HUMAN BURIAL ARE ENCOUNTERED THE CONTRACTOR SHALL ALSO CONTACT THE COUNTY CORONER.
9. IF HAZARDOUS MATERIALS, DRUMS, OILY LIQUIDS, UNUSUAL ODORS, OR EVIDENCE OF NATURALLY OCCURRING ASBESTOS IS ENCOUNTERED DURING EXCAVATION, WORK SHALL CEASE AND THE CONTRACTOR SHALL CONTACT THE ENGINEER OR THEIR DESIGNATED REPRESENTATIVE AS SOON AS POSSIBLE. EXCAVATION SHALL RESUME ONLY UPON THE APPROVAL OF THE ENGINEER OR THEIR DESIGNATED REPRESENTATIVE.
10. MATERIAL STORAGE AND HANDLING PROCEDURES SHALL CONFORM WITH THE MANUFACTURER'S RECOMMENDATIONS AND/OR THE INDUSTRY'S GENERALLY ACCEPTED BEST MANAGEMENT PRACTICES.
11. DETAILS AND NOTES ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES OR TYPICAL DETAILS.
12. DRAWINGS SHALL NOT BE SCALED. DRAWINGS ARE GENERALLY TO SCALE AND NOT TO SCALE IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE. WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GRAPHICAL SCALES SHOWN ON DRAWINGS.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. THE ENGINEER OR THEIR DESIGNATED REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE WORK COMMENCES.
14. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN, SAFE, AND ORDERLY JOB SITE.
15. THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE THE SITE AFTER CLEARING AND GRUBBING IS COMPLETE AND BEFORE CONSTRUCTION COMMENCES. IF UNKNOWN STRUCTURES SUCH AS CULVERTS, WOODY DEBRIS, FOUNDATIONS, CESSPOOLS, OR LARGE ROCKS ARE ENCOUNTERED, CONSTRUCTION SHALL CEASE AND THE ENGINEER OR THEIR DESIGNATED REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY.
16. THE ENGINEER/GEOLOGIST OR THEIR DESIGNATED REPRESENTATIVE(S) SHALL NOT BE HELD LIABLE FOR CONSTRUCTION SITE SAFETY MATTERS, THE CONTRACTOR AND THEIR SUBCONTRACTORS' ERRORS AND OMISSIONS, NOR FOR FAILURE OF THE CONTRACTOR AND THEIR SUBCONTRACTORS' FAILURE TO ADHERE TO THE CONSTRUCTION CONTRACT, SPECIFICATIONS, AND DRAWINGS.
17. ELEVATIONS SHOWN ON THE DRAWINGS ARE RELATIVE TO THE LOCAL GROUND CONDITIONS AND TEMPORARY BENCHMARKS PLACED FOR THE PURPOSE OF CONSTRUCTION.
18. THE CLIENT SHALL BE RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS FOR CONSTRUCTION. PACIFIC WATERSHED ASSOCIATES SHALL NOT BE LIABLE FOR ANY FINES, FEES, OR VIOLATIONS DUE TO CONSTRUCTION COMPLETED WITHOUT THE REQUIRED PERMITS.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EROSION AND THE DELIVERY OF SEDIMENT OR OTHER POLLUTANTS TO SURFACE WATERS OR OTHER SENSITIVE AREAS USING THE APPROPRIATE BMPs.
20. WORK WILL BE CONDUCTED DURING DRY WEATHER PERIODS WHEN ALL GRADING, EROSION CONTROL, AND SITE STABILIZATION MEASURES CAN BE IMPLEMENTED PRIOR TO RAINFALL.
21. THE CONTRACTOR SHALL KEEP PROJECT AREAS GENERATING DUST WATERED DURING THE TERM OF CONSTRUCTION.
22. SOLID WASTE, SUCH AS TRASH, DEBRIS, AND SANITARY WASTE SHALL BE PLACED IN CONTAINERS AND REMOVED FROM THE SITE PERIODICALLY OR DISPOSED OF AS DIRECTED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE.
23. IF RAINFALL GREATER THAN 1 INCH IN A 24 HOUR PERIOD IS FORECAST PRIOR TO THE COMPLETION OF GRADING, OR IF ACCUMULATED PRECIPITATION HAS MADE FILL MATERIALS UNSUITABLE FOR COMPACTION AND STABLE CONSTRUCTION, THE SITE WILL BE STABILIZED AND PROTECTED FROM SURFACE EROSION. PLASTIC SHEETING, SECURED BY THE PLACEMENT OF MULTIPLE HEAVY OBJECTS, WILL BE USED TO COVER ALL FILL STOCKPILES AND UNFINISHED SLOPES.

INSPECTIONS:

1. EXCAVATION
2. INSTALLATION OF STORM DRAIN SUBGRADE FEATURES
3. FINISHED GRADE
4. INSTALLATION OF SLOPE DRAIN, RIPRAP DISSIPATOR, AND GRADE CONTROL FEATURE

WATER POLLUTION CONTROL:

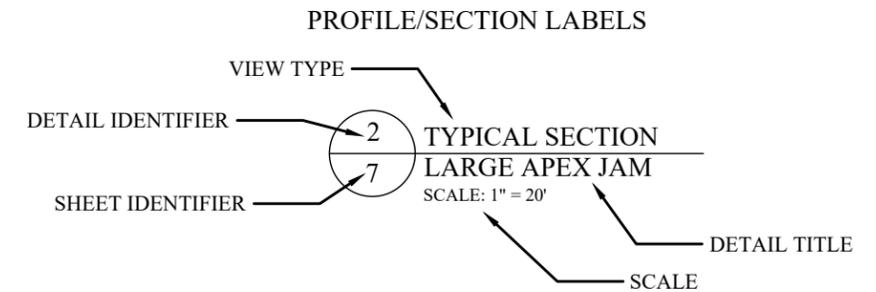
THE CONTRACTOR SHALL DEVELOP THE DEWATERING PLAN. INFRASTRUCTURE AND EXTENTS SHALL BE DEFINED BY CONTRACTOR AND REVIEWED/APPROVED BY ENGINEER OR THEIR DESIGNATED REPRESENTATIVE PRIOR TO CONSTRUCTION.

LEGEND

- ALIGNMENT STATIONING (FEET)
- MINOR CONTOUR WITH ELEVATION
- MAJOR CONTOUR WITH ELEVATION
- LIMIT OF GRADING
- LIMIT OF DISTURBANCE
- SURVEY CONTROL POINT
- FLOW DIRECTION
- WATER SURFACE
- TEMPORARY STAGING/STOCKPILE AREA
- RIPRAP

ABBREVIATIONS

| | |
|----------|-----------------------------|
| APPROX,~ | APPROXIMATELY |
| BDX | BEDROCK |
| CA | CALIFORNIA |
| CL | CENTERLINE |
| CMP | CORRUGATED METAL PIPE |
| CP | CONTROL POINT (SURVEY) |
| CY | CUBIC YARDS |
| DI | DRAIN INLET |
| DIA | DIAMETER |
| EL | ELEVATION |
| <E> | EXISTING |
| FG | FINISHED GRADE |
| FT | FOOT/FEET |
| I.D. | INTERNAL DIAMETER/DIMENSION |
| LOD | LIMIT OF DISTURBANCE |
| MAX/MIN | MAXIMUM/MINIMUM |
| NTS | NOT TO SCALE |
| O.D. | OUTER DIAMETER/DIMENSION |
| PT# | POINT NUMBER |
| <P> | PROPOSED |
| RD | ROAD |
| STA | STATION |
| SF | SQUARE FEET/FOOT |
| TBR | TO BE REMOVED |
| TYP | TYPICAL |
| (3:1) | SLOPE (HORIZONTAL:VERTICAL) |



MATERIALS QUANTITIES TABLE

| ITEM NO. | DESCRIPTION | UNIT | UNIT QUANTITY |
|----------|--|------|---------------|
| 1 | CLEARING AND GRUBBING | AC | 0.09 |
| 2 | EXCAVATION, EARTH | CY | 50 |
| 3 | BACKFILL | CY | 10 |
| 4 | 30" DIA. CMP SLOPE DRAIN | LF | 55 |
| 5 | 30" ELBOWS AND ASSOCIATED HARDWARE | EA | 2 |
| 6 | 30" BAND COUPLER AND ASSOCIATED HARDWARE | EA | 1 |
| 7 | 18" DIA. CMP | LF | 35 |
| 8 | 18" BAND COUPLER AND ASSOCIATED HARDWARE | EA | 1 |
| 9 | 18" MINUS RIPRAP | CY | 20 |
| 10 | CLASS II AG. BASE | CY | 0.5 |
| 11 | ASPHALTIC CONCRETE | CY | 1 |
| 12 | RIP RAP CLASS 8 GEOTEXTILE | SY | 40 |
| 13 | EROSION CONTROL MULCH BLANKET | SY | 80 |
| 14 | EROSION CONTROL STRAW BALE | BALE | 11 |
| 15 | PRECAST CALTRANS OCP INLET AND MANHOLE COVER | EA | 1 |
| 16 | PRECAST 24" x 24" DRAIN INLET | EA | 1 |
| 17 | SOCK DRAIN INSERT | EA | 1 |
| 18 | 30" SLOPE DRAIN ANCHORING HARDWARE | EA | 4 |

NOTE: ESTIMATED QUANTITIES ARE FOR REFERENCE PURPOSES ONLY.

DATE: 5/11/2023

NOTES PREPARED BY: PWA

FIGURES CREATED BY: JPS



PACIFIC WATERSHED ASSOCIATES, INC.

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SHEET DESCRIPTION:

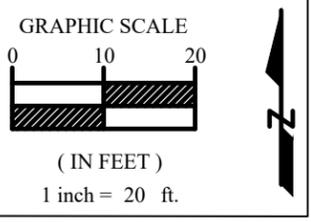
CONSTRUCTION NOTES

PROJECT NAME AND LOCATION:
TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT

PWA JOB NO. 10644

C2

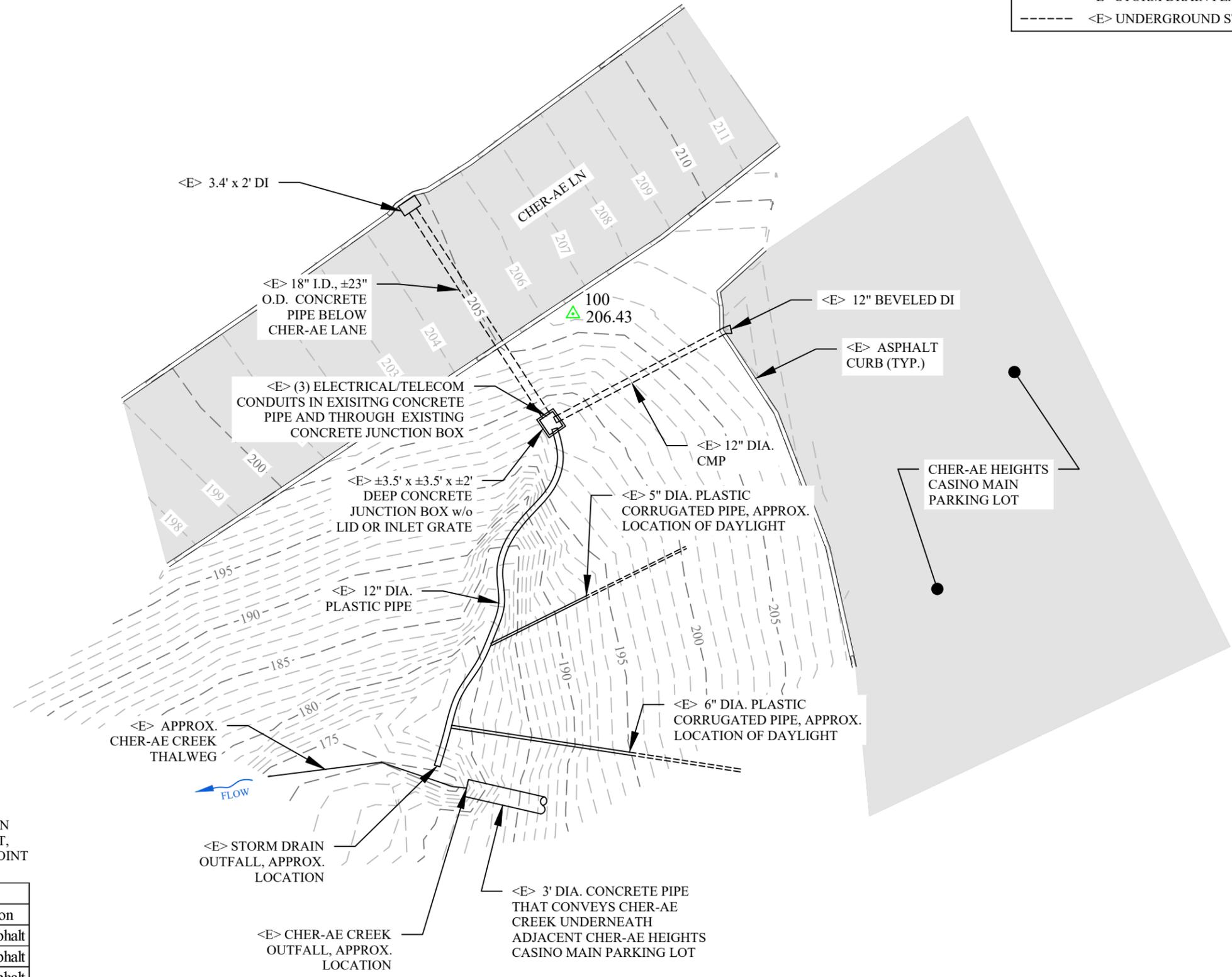
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LEGEND:

- <E> MAJOR CONTOURS
- - - <E> MINOR CONTOURS
- ▲ SURVEY CONTROL POINT
- <E> ASPHALT SURFACE
- <E> ASPHALT CURB
- <E> STORM DRAIN FEATURE
- <E> UNDERGROUND STORM DRAIN FEATURE

- SURVEY NOTES:**
- TOPOGRAPHIC DATA COLLECTED USING TOTAL STATION. APPROXIMATE CALIFORNIA STATE PLANE COORDINATES. ALL ELEVATIONS RELATIVE TO AN APPROXIMATE VERTICAL DATUM AND SHOWN AT A 1-FT CONTOUR INTERVAL.
 - DATES OF PWA SURVEY: MARCH 16, 2023
SURVEY PERSONNEL: JS & RL
 - THIS IS NOT A BOUNDARY SURVEY AND DOES NOT MEET THE LEGAL REQUIREMENTS OF A BOUNDARY SURVEY AS DESCRIBED IN PROFESSIONAL LAND SURVEYORS' ACT.
 - DISPLAYED PROPERTY LINES ARE ASSUMED AND BASED ON ASSESSOR MAPS.



NOTE: ONLY POINT NUMBER AND ELEVATION SHOWN ON PLANS. POINTS 27, 36, AND 38 OUTSIDE OF SHEET EXTENT, SEE LOCATION MAP ON SHEET C1 FOR DETAILS. ONLY POINT 100 IS SHOWN ON THIS SHEET.

| Control Points | | | | |
|----------------|-----------|-----------|-----------|-----------------|
| PT # | Easting | Northing | Elevation | Description |
| 27 | 5974174.5 | 2274936.5 | 233.1 | Nail in Asphalt |
| 36 | 5974588.6 | 2274411.5 | 222.4 | Nail in Asphalt |
| 38 | 5974262.7 | 2274632.0 | 230.0 | Nail in Asphalt |
| 100 | 5974384.9 | 2274572.5 | 206.4 | Nail in Ground |

DATE: 5/9/2023
 NOTES PREPARED BY: PWA
 FIGURES CREATED BY: JPS

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SHEET DESCRIPTION: **EXISTING CONDITIONS**

PROJECT NAME AND LOCATION: **TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT**

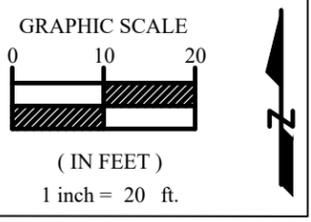
PWA JOB NO. 10644

C3

11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.

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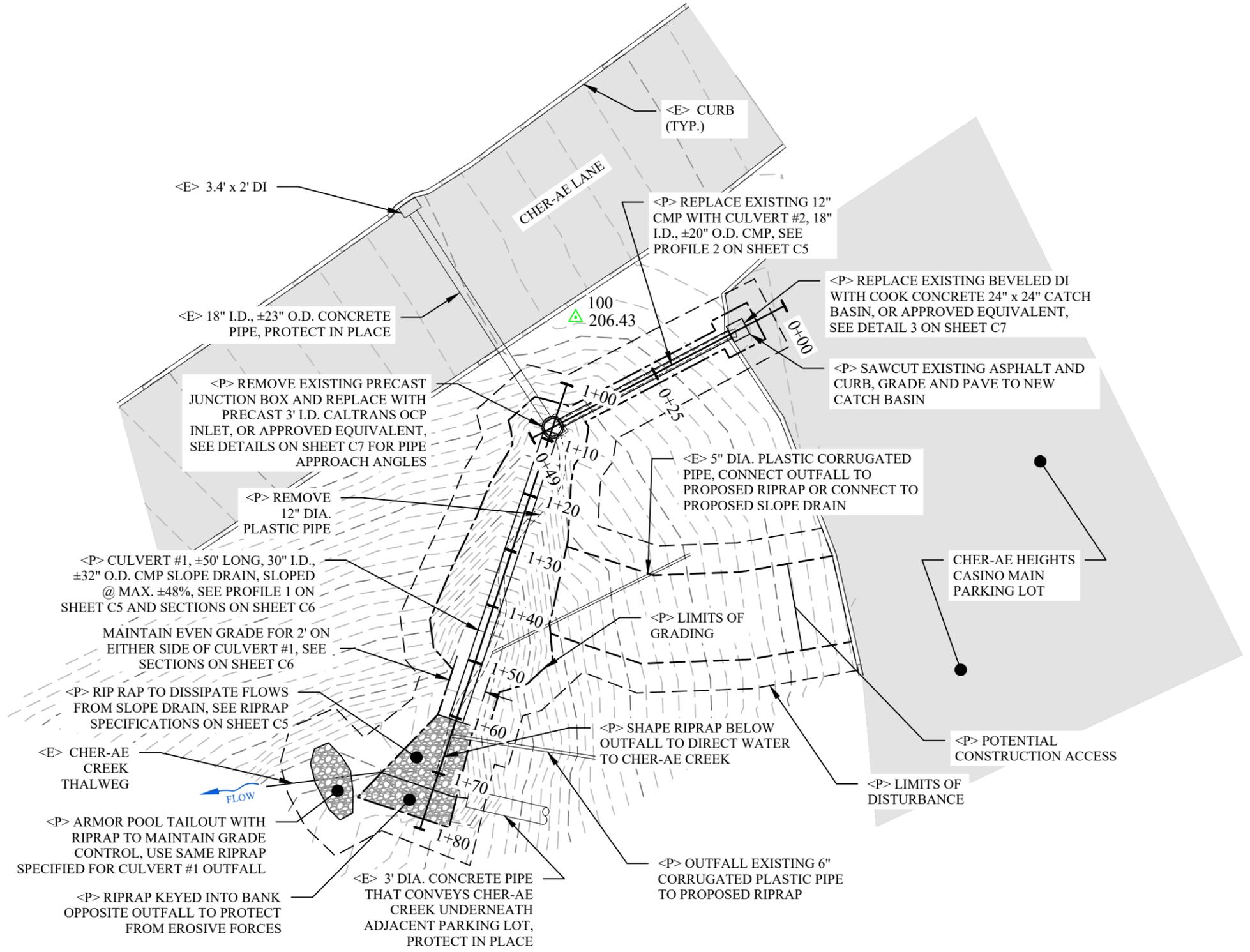
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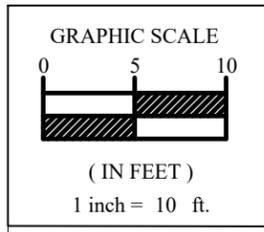
| | |
|---------|-----------------------------|
| --- | <E> MAJOR CONTOURS |
| - - - | <E> MINOR CONTOURS |
| ▲ | SURVEY CONTROL POINT |
| ■ | <E> ASPHALT SURFACE |
| ▨ | <P> RIPRAP |
| — | <E> FEATURES |
| - - - - | <P> STORM DRAIN FEATURE TBR |
| — | <P> STORM DRAIN FEATURE |
| --- | <P> LIMIT OF GRADING |
| - - - | <P> LIMIT OF DISTURBANCE |
| --- | <P> CONSTRUCTION ACCESS |

- NOTES:**
1. SLOPE DRAIN DESIGN BASED OFF CASQA EC-11 BMP.
 2. EXISTING ELECTRICAL/TELECOM CONDUITS AND INFRASTRUCTURE TO BE PROTECTED IN PLACE. IT SHALL BE THE CONTRATORS RESPONSIBILITY TO MAINTAIN, MOVE, AND/OR REPLACE EXISTING ELECTRICAL/TELECOM INFRASTRUCTURE.
 3. EXISTING TREES SHALL BE PROTECTED IN PLACE, EXCEPT FOR TREES WITHIN LIMITS OF GRADING/DISTURBANCE WHICH SHALL BE REMOVED AS NECESSARY TO INSTALL SLOPE DRAIN AND TO ACHIEVE PROPOSED GRADE.



| | | |
|--|--------------------------|---------------------------|
| DATE 5/11/2023 | NOTES PREPARED BY PWA | FIGURES CREATED BY JPS |
| | | |
| SHEET DESCRIPTION: PROPOSED CONDITIONS | | |
| PROJECT NAME AND LOCATION: TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT | | |
| PWA JOB NO. 10644 | | |
| PACIFIC WATERSHED ASSOCIATES, INC. P.O. BOX 4433 ARCATA, CALIFORNIA 95518 PH: (707) 839-5130 FX: (707) 839-8168 www.pacificwatershed.com | | |
| C4 | | |

FILE PATH: P:\CAD\10644_Trinidad Rancheria, Slope Drain 13 and Site 8\DWG\10644 PROPOSED CONDITIONS_V2.dwg
 SAVE DATE: 5/11/2023 11:43 AM. SAVED BY: julians
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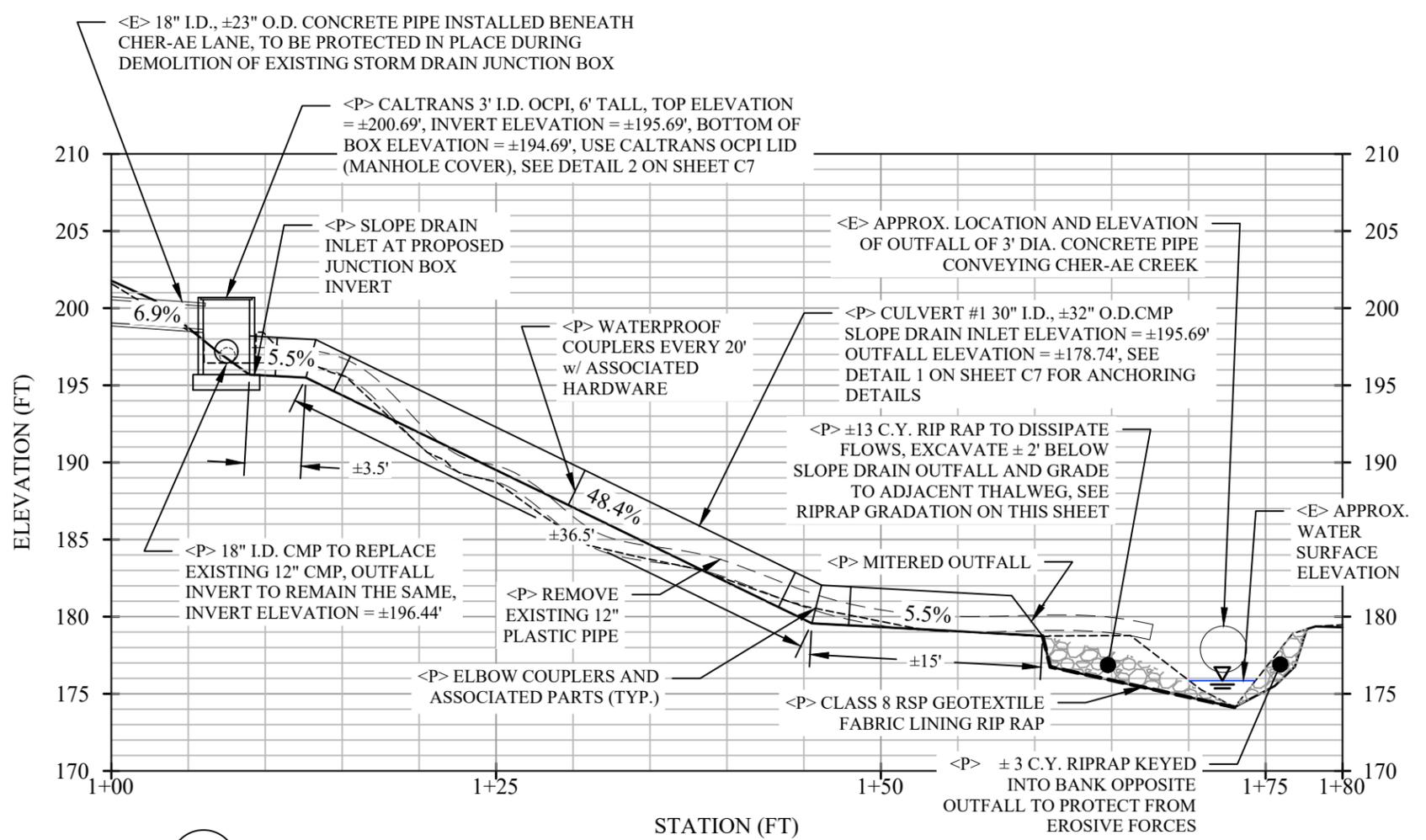
LEGEND:

| | |
|---------|-----------------------------|
| ----- | <E> GRADE |
| ———— | <P> GRADE |
| — · — · | <E> FEATURES |
| - - - - | <P> STORM DRAIN FEATURE TBR |
| ———— | <P> STORM DRAIN FEATURE |
| ———— | <P> GEOTEXTILE FABRIC |

- NOTES:**
1. COMPACT SOIL AROUND AND UNDER ENTRANCE, OUTLET, AND ALONG LENGTH OF PIPE.
 2. ENSURE PIPE CONNECTIONS ARE WATERTIGHT.
 3. INSPECT SLOPE DRAIN WEEKLY AT A MINIMUM. INSPECT PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AND AFTER THE CONCLUSION OF RAIN EVENTS.

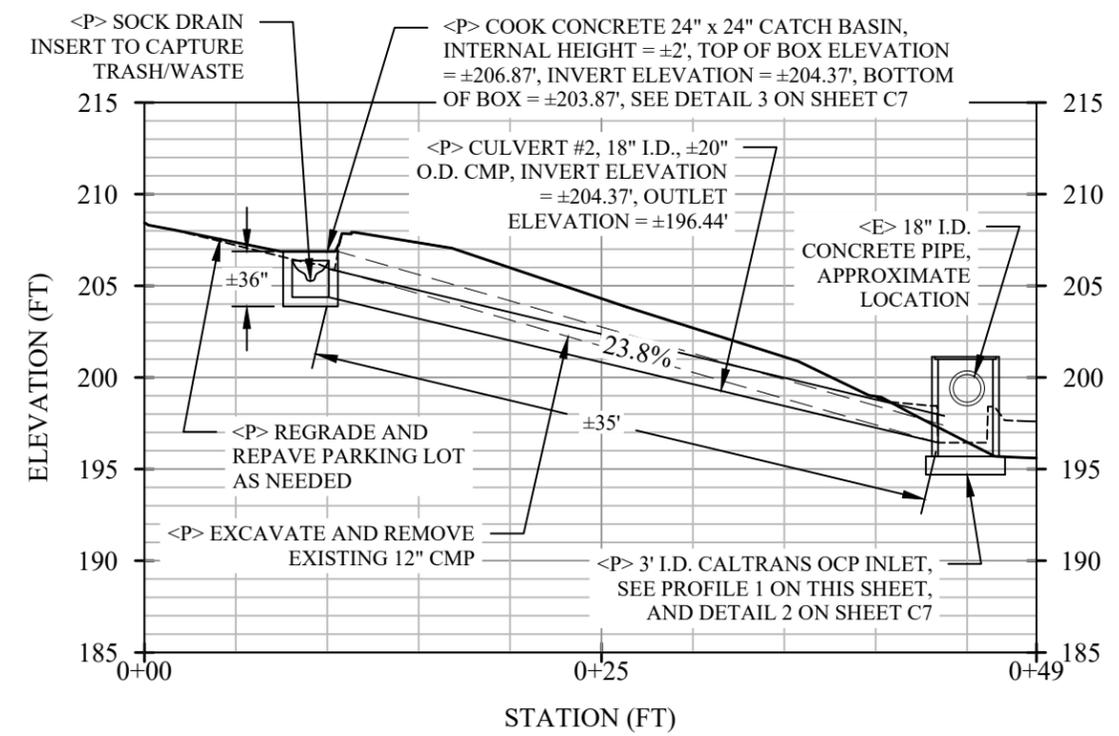
CLASS II RIPRAP GRADATION (PER HIGHWAY DESIGN MANUAL TABLE 873.3A)

| % PASSING | RANGE OF DIAMETERS (IN) |
|-----------|-------------------------|
| D100 | MAX 18 |
| D50 | 8.5 - 10.5 |
| D15 | 5.5 - 7.8 |



1 PROFILE VIEW
C5 PROPOSED SLOPE DRAIN (CULVERT#1) GRADING
 SCALE: 1" = 10'

- NOTES:**
1. CMPs AND THEIR INSTALLATION SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS SECTION 66.
 2. EXCAVATION AND BACKFILL SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS SECTION 19.
 3. COMPACT SOIL AROUND AND UNDER ENTRANCE, OUTLET, AND ALONG LENGTH OF PIPE.
 4. ENSURE PIPE CONNECTIONS ARE WATERTIGHT.
 5. INSPECT SLOPE DRAIN WEEKLY AT A MINIMUM. INSPECT PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AND AFTER THE CONCLUSION OF RAIN EVENTS.



2 PROFILE VIEW
C5 PROPOSED CULVERT #2 GRADING
 SCALE: 1" = 10'

DATE: 5/11/2023
 NOTES PREPARED BY: PWA
 FIGURES CREATED BY: JPS

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 ARCATA, CALIFORNIA 95518
 PH: (707) 839-5130 FX: (707) 839-8168
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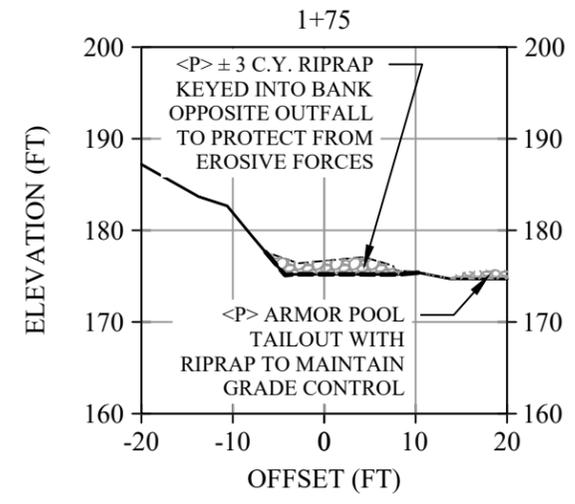
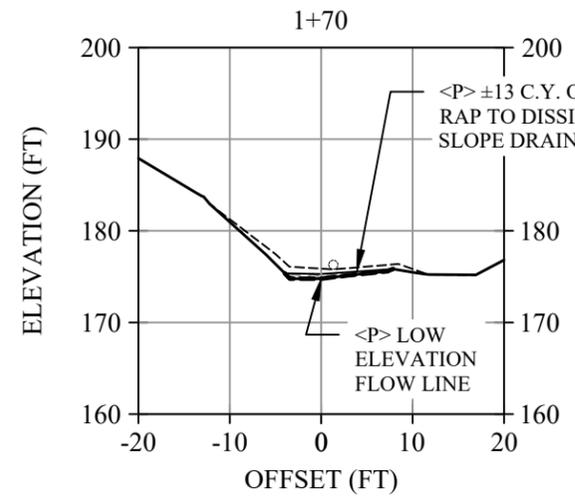
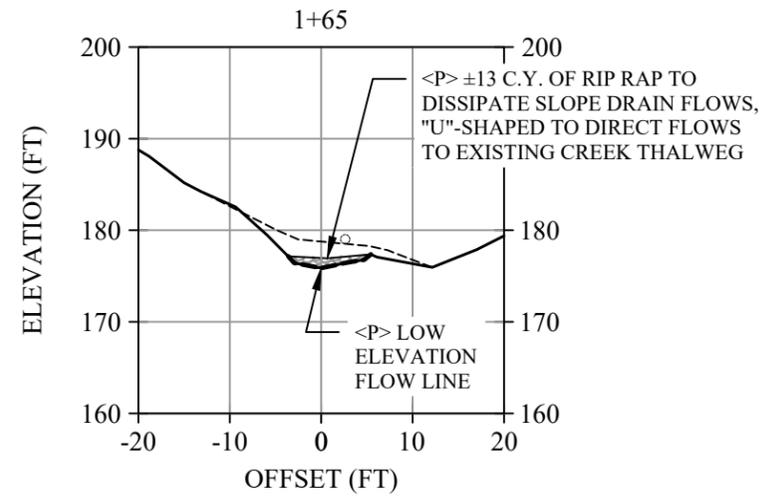
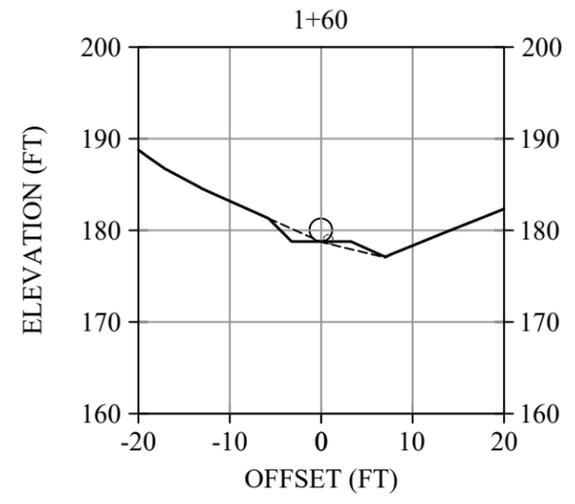
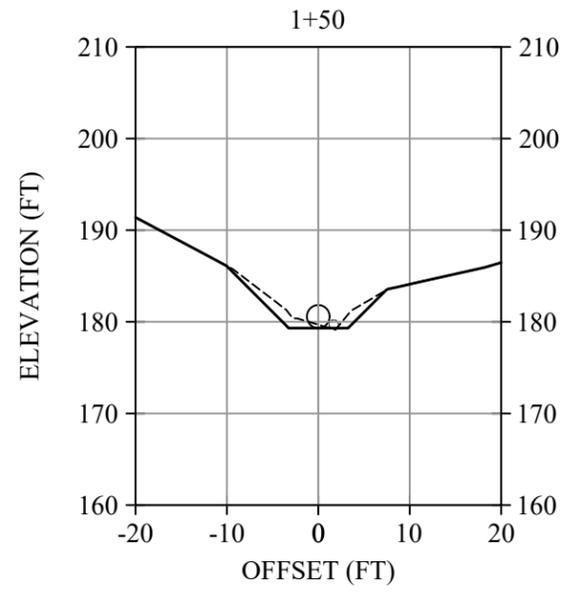
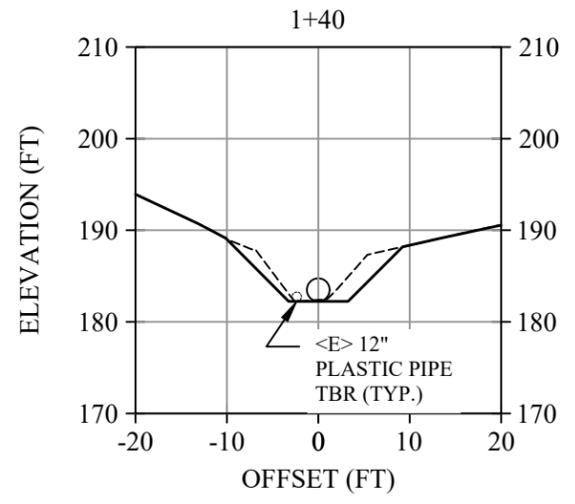
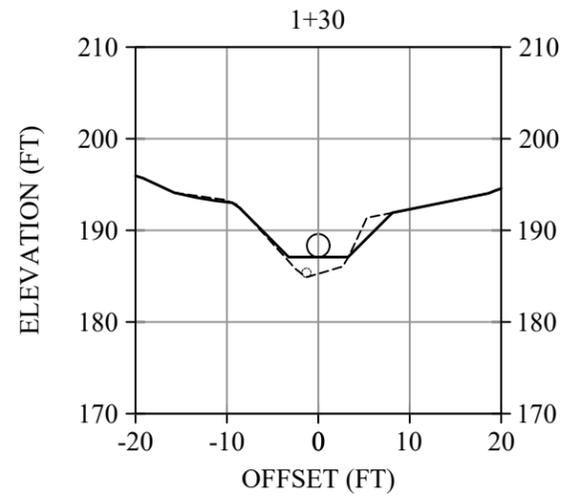
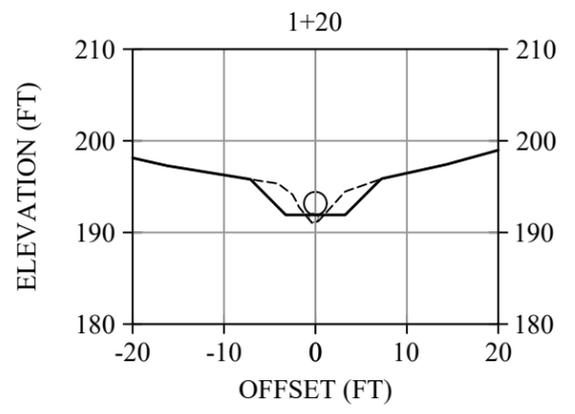
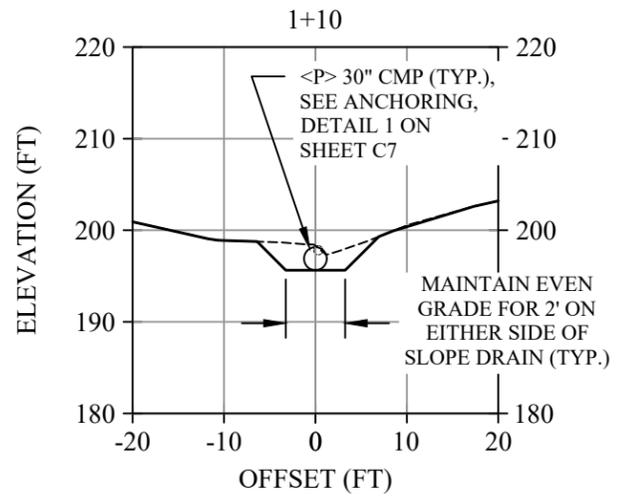
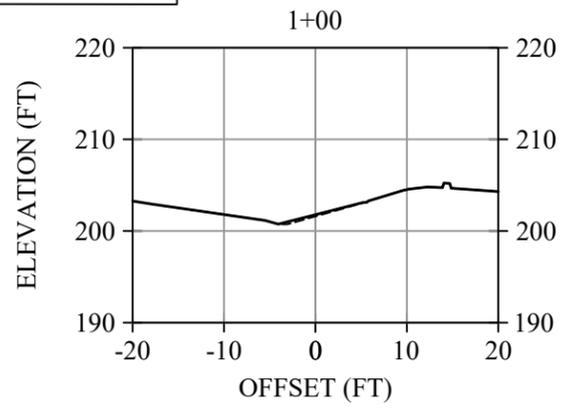
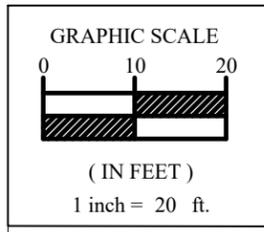
SHEET DESCRIPTION:
PROFILE VIEWS

PROJECT NAME AND LOCATION:
TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT

PWA JOB NO. 10644

C5

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 11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.



LEGEND:

| | |
|-------|-----------------------------|
| --- | <E> GRADE |
| — | <P> GRADE |
| - - - | <P> STORM DRAIN FEATURE TBR |
| — | <P> STORM DRAIN FEATURE |
| --- | <P> GEOTEXTILE FABRIC |

- NOTES:**
- PROPOSED SLOPE DRAIN CULVERT (#1) SHALL HAVE A 2' WIDE LANDING ON EITHER SIDE @ SLOPE DRAIN RUNNING GRADE TO FACILITATE INSTALLATION AND MAINTENANCE ACTIVITIES.
 - CUT BANKS SHALL BE GRADED TO A 1:1 SLOPE UNTIL EXISTING GRADE IS REACHED.

1 SECTION VIEWS
C6 PROPOSED SLOPE DRAIN (CULVERT #1) GRADING
 SCALE: 1" = 20'

DATE: 5/11/2023
 NOTES PREPARED BY: PWA
 FIGURES CREATED BY: JPS

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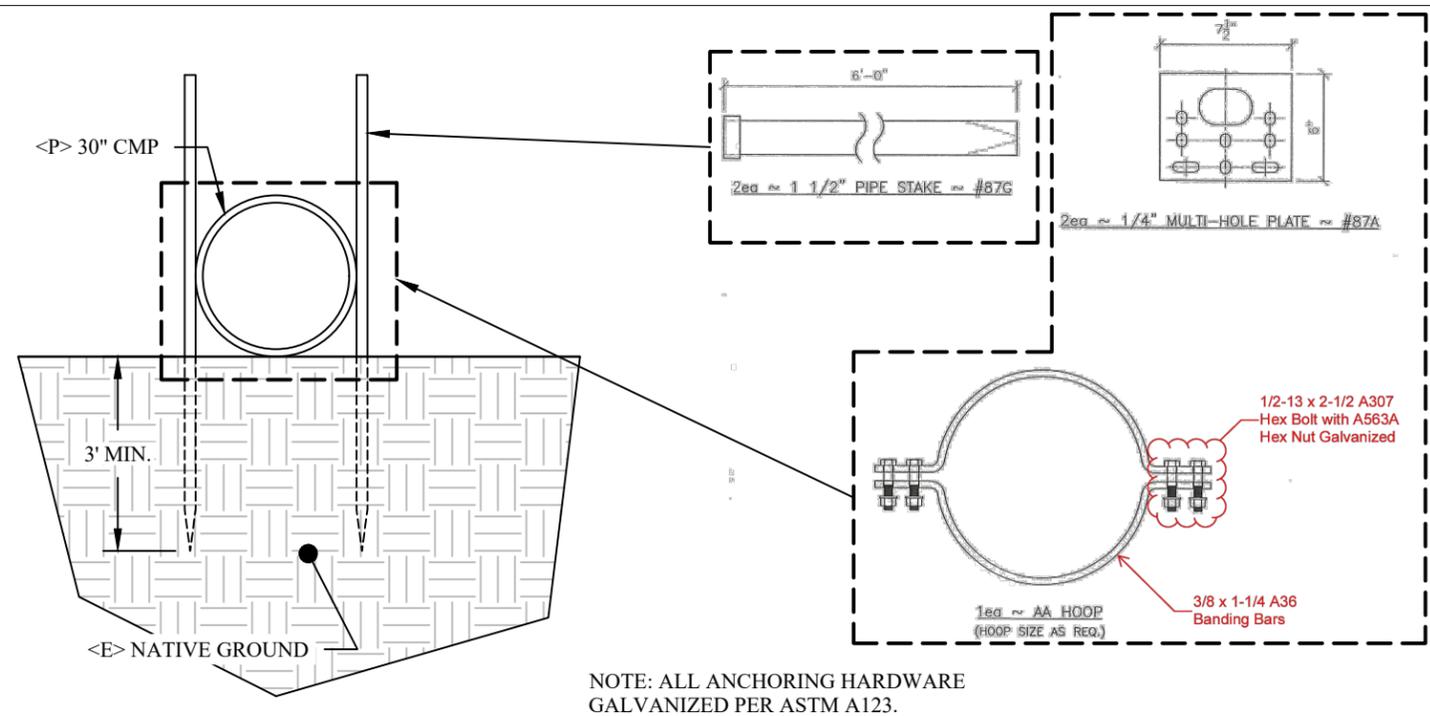
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PROJECT NAME AND LOCATION: TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT
 PWA JOB NO. 10644

C6

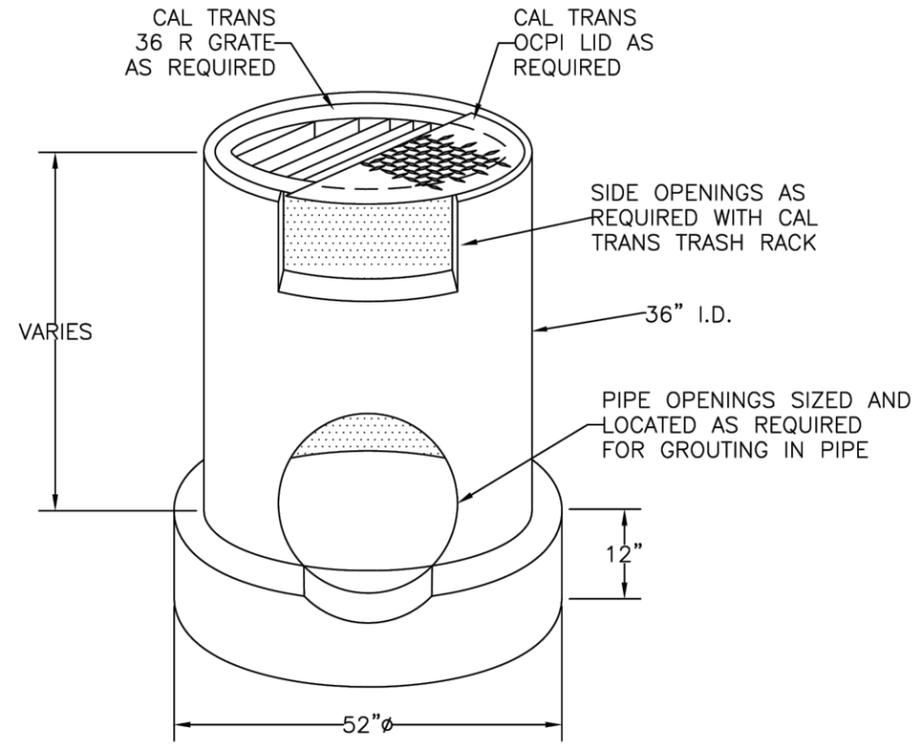
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11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.



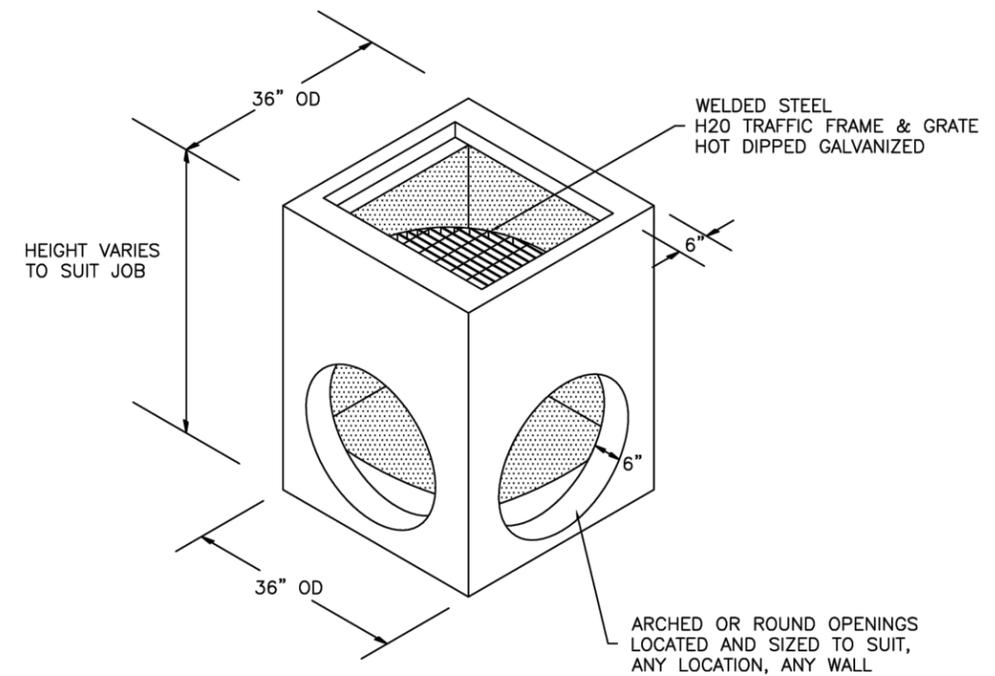
1 TYPICAL ELEVATION DETAIL
C7 SLOPE DRAIN ANCHORING
 SCALE: NTS

NOTE: ALL ANCHORING HARDWARE GALVANIZED PER ASTM A123.



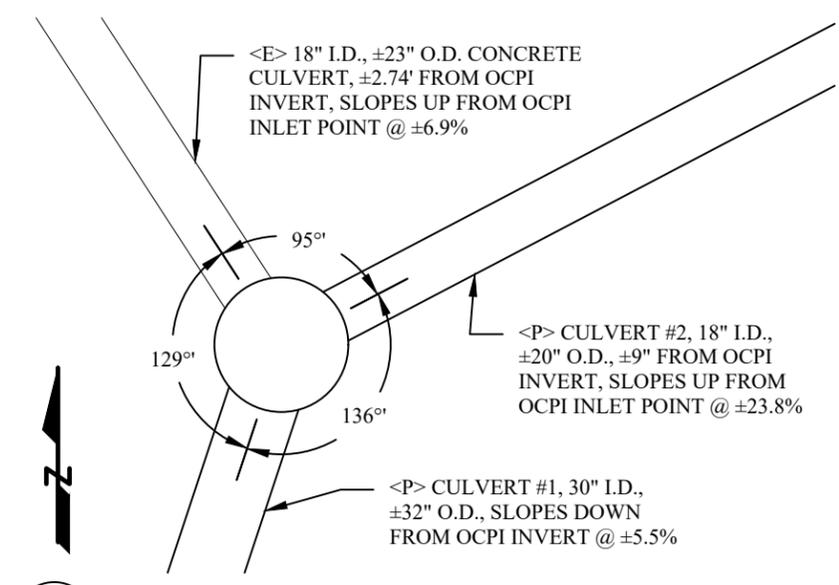
2 TYPICAL DETAIL
C7 CALTRANS 36" I.D. OCP INLET
 SCALE: NTS

- NOTES:
1. MANUFACTURED TO AASHTO M 199M/M 199, AND ASTM C-478 SPECIFICATIONS
 2. 4000 PSI CONCRETE
 3. FLOOR SLOPES TO OUTLET
 4. BOTTOM SLAB, 52" O.D. 12" THICK PER SECTION D-D STD PLANS D75



3 TYPICAL DETAIL
C7 COOK CONCRETE 24" x 24" CATCH BASIN
 SCALE: NTS

- NOTES:
1. CONCRETE COMPRESSIVE STRENGTH 4000 PSI AT 28 DAYS, REINFORCED FOR H-20 LOADING
 2. UNITS ARE CUSTOM MADE FOR EACH JOB
 3. AVAILABLE WITH OR WITHOUT BOTTOM
 4. OPENINGS ARE SIZED AND LOCATED PER PLAN
 5. WEIGHT WITHOUT BASE 265 LBS./FT



4 TYPICAL DETAIL
C7 PIPE ATTACHMENT ANGLES @ OCP INLET
 SCALE: NTS

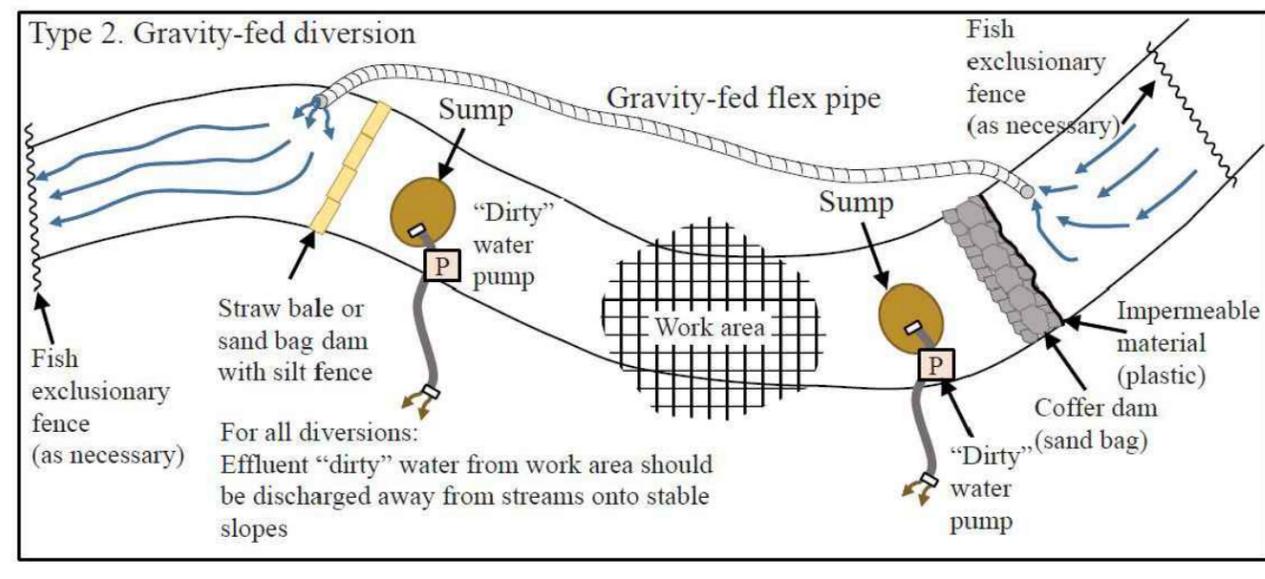
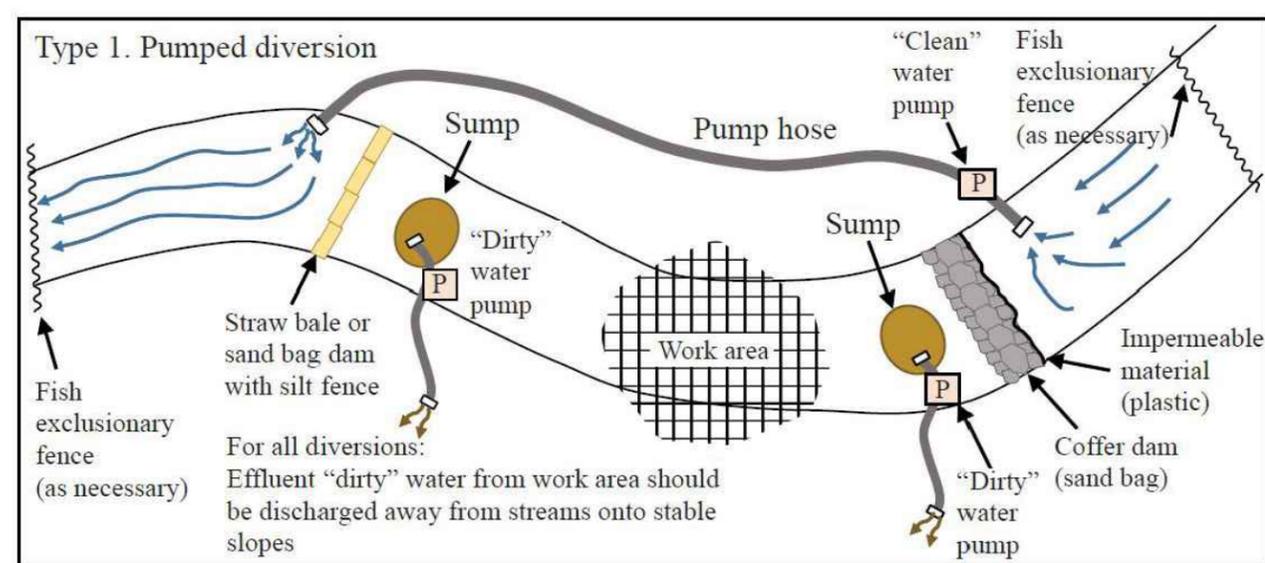
- GENERAL PRECAST FEATURE NOTES:
1. INLET/OUTLET PIPE CUTOUT HOLE DIAMETERS FOR PRECAST FEATURES SHALL BE OVERSIZED BY 3".
 2. INLET/OUTLET PIPES SHALL BE WATERTIGHT GROUTED TO PRECAST FEATURES.

| | | |
|--|--------------------------|---------------------------|
| DATE 5/11/2023 | NOTES PREPARED BY PWA | FIGURES CREATED BY JPS |
| | | |
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| SHEET DESCRIPTION: TYPICAL DETAILS | | |
| PROJECT NAME AND LOCATION: TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT | | |
| PWA JOB NO. 10644 | | |
| C7 | | |

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11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.

STREAM DEWATERING AND FISH EXCLUSION DETAILS:



1 PLAN VIEW
C8 PUMPED AND GRAVITY-FED WATER DIVERSIONS
SCALE: NTS

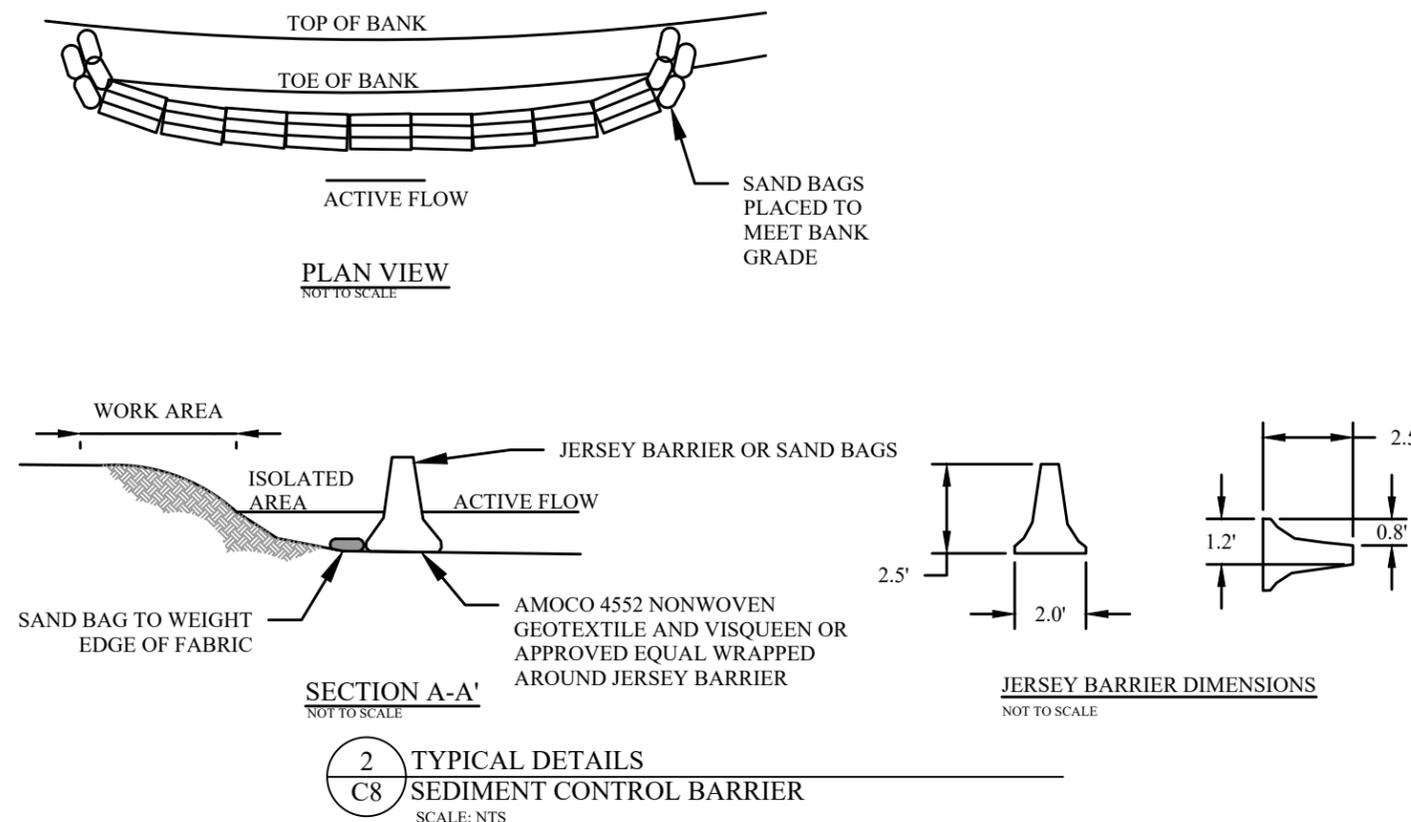
WATER QUALITY MONITORING REQUIREMENTS:

SURFACE WATER QUALITY MONITORING WILL BE PERFORMED WHEN:

- A. PERFORMING ANY IN-WATER WORK;
- B. PROJECT ACTIVITIES RESULT, OR MAY RESULT, IN DISCHARGE TO SURFACE WATERS; OR
- C. PROJECT ACTIVITIES RESULT IN THE CREATION OF A VISIBLE TURBIDITY IN SURFACE WATERS.

SAMPLING AS DESCRIBED BELOW SHALL OCCUR UPSTREAM AND OUT OF THE INFLUENCE OF THE PROJECT AS WELL AS 300 FEET DOWNSTREAM OF THE WORK AREA.

- 1) TURBIDITY (NTU); IN SITU; EVERY 4 HOURS DURING IN-WATER WORK; DURING CONSTRUCTION/DEWATERING AND REMOVAL/REWATERING A MINIMUM OF 3 SAMPLES MUST BE TAKEN EACH DAY ACTIVITIES OCCUR.
- 2) VISIBLE CONSTRUCTION RELATED POLLUTANTS (OBSERVATIONS), VISUAL INSPECTIONS, CONTINUOUS THROUGHOUT THE CONSTRUCTION PERIOD.
- 3) pH (STANDARD UNITS); IN SITU, EVERY 4 HOURS, DURING CONSTRUCTION/DEWATERING AND REMOVAL/REWATERING A MINIMUM OF 3 SAMPLES MUST BE TAKEN EACH DAY ACTIVITIES OCCUR.
- 4) TEMPERATURE (°C); IN SITU; EVERY 4 HOURS; DURING CONSTRUCTION/DEWATERING AND REMOVAL/REWATERING A MINIMUM OF 3 SAMPLES MUST BE TAKEN EACH DAY ACTIVITIES OCCUR.
- 5) DISSOLVED OXYGEN (mg/L & % SATURATION), IN SITU, EVERY 4 HOURS; DURING CONSTRUCTION/DEWATERING AND REMOVAL/REWATERING, A MINIMUM OF 3 SAMPLES MUST BE TAKEN EACH DAY ACTIVITIES OCCUR.



STREAM DEWATERING NOTES:

PRIOR TO WORKING IN AND AROUND THE ACTIVE STREAM CHANNEL, PROPER STREAM DEWATERING AND AVOIDANCE OF INCREASING DOWNSTREAM TURBIDITY SHOULD BE EMPLOYED. STREAM FLOWS WILL BE KEPT FLOWING BELOW THE WORK AREA AND FLOWS WILL BE ISOLATED UPSTREAM OF THE WORK AREA USING COFFERDAMS AND CONVEYED DOWNSTREAM AROUND THE WORK SITE THROUGH EITHER A PUMPED DIVERSION (DETAIL 1- TYPE 1) AND/OR BY GRAVITY DIVERSION (DETAIL 1- TYPE 2). AN ADDITIONAL DAM WILL BE INSTALLED DOWNSTREAM OF THE WORK AREAS TO CAPTURE ANY SUBSURFACE FLOW THAT MIGHT TRAVEL THROUGH THE CONSTRUCTION AREA. ANY "DIRTY" WATER WILL BE COLLECTED AT THIS LOCATION AND PUMPED AWAY FROM THE SITE WHERE IT CAN INFILTRATE INTO THE GROUND WITHOUT THE POTENTIAL FOR CONNECTIVITY AND DELIVERY TO THE STREAM SYSTEM. WHERE THE WORK AREA CAN BE ISOLATED BY DEWATERING A PORTION OF THE CHANNEL (E.G. TO CONSTRUCT AN ALCOVE MOUTH), A SEDIMENT CONTROL BARRIER CAN BE USED TO DEWATER TO ISOLATED WORK ZONE (DETAIL 2).

GENERAL WATER POLLUTION CONTROL, FISH EXCLUSION AND SPOILS DISPOSAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROJECT IN A MANNER THAT DOES NOT THE DISCHARGE POLLUTANTS TO WATERS OF THE STATE OR SENSITIVE BIOLOGICAL AREAS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CLEAN-UP ASSOCIATED WITH WATER POLLUTION VIOLATIONS.
- 2) AT A MINIMUM, THE CONTRACTOR SHALL IMPLEMENT THE PROJECT SPECIFIC WATER POLLUTION CONTROL BMPS DESCRIBED.
- 3) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ADDITIONAL BMPS AS NECESSARY TO PREVENT THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE OR SENSITIVE BIOLOGICAL AREAS.
- 4) DEPENDING ON BASE STREAM FLOW CONDITIONS WITHIN THE CREEK, PROJECTS MAY LIKELY REQUIRE A CLEAR WATER DIVERSION AND FISH EXCLUSION FROM THE WORK SITE. THE CONTRACTOR WILL PROVIDE A QUALIFIED BIOLOGIST TO SET UP THE EXCLUSIONARY FENCING AND CONDUCT THE FISH EXCLUSION. NO EARTHWORK WILL BEGIN UNTIL FISH EXCLUSION ACTIVITIES HAVE BEEN COMPLETED. IN ADDITION, THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT TO BEGIN CONSTRUCTION TO THE LANDOWNER 2 WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 5) THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SUPPLIES AND MECHANICAL DEVICES (PUMPS, ETC.) NECESSARY TO EFFECTIVELY DEWATER THE WORK SITE DURING CONSTRUCTION ACTIVITIES.
- 6) BMPS SHALL BE APPLIED WHERE SHOWN ON THESE PLANS AND AT OTHER APPLICABLE LOCATIONS AS NECESSARY. EXACT LOCATIONS ARE AT THE DISCRETION OF THE CONSTRUCTION MANAGER AND PROJECT ENGINEER/GEOLOGIST.
- 7) ALL UNSUITABLE SPOILS GENERATED BY THE PROJECT WILL EITHER BE HAULED OFF-SITE AND DISPOSED OF AT A LEGAL LOCATION OR WILL BE PLACED IN LIFTS ALONG FLOODPLAIN TERRACE SURFACES (<5% GRADE) WITH NO CHANCE FOR SEDIMENT DELIVERY AND WILL BE CONTOURED IN A MANNER TO DISPERSE RUNOFF. ALL SPOILS PLACED ON-SITE WILL BE MULCHED ACCORDING TO PROJECT SPECIFIC BMP REQUIREMENTS.

DATE: 5/11/2023
NOTES PREPARED BY: PWA
FIGURES CREATED BY: JPS

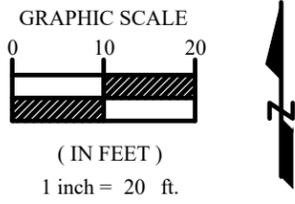
PACIFIC WATERSHED ASSOCIATES, INC.
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ARCATA, CALIFORNIA 95518
PH: (707) 839-5130 FX: (707) 839-8168
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SHEET DESCRIPTION: WATER CONTROL PLAN

PROJECT NAME AND LOCATION: TRINIDAD RANCHERIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT
PWA JOB NO. 10644

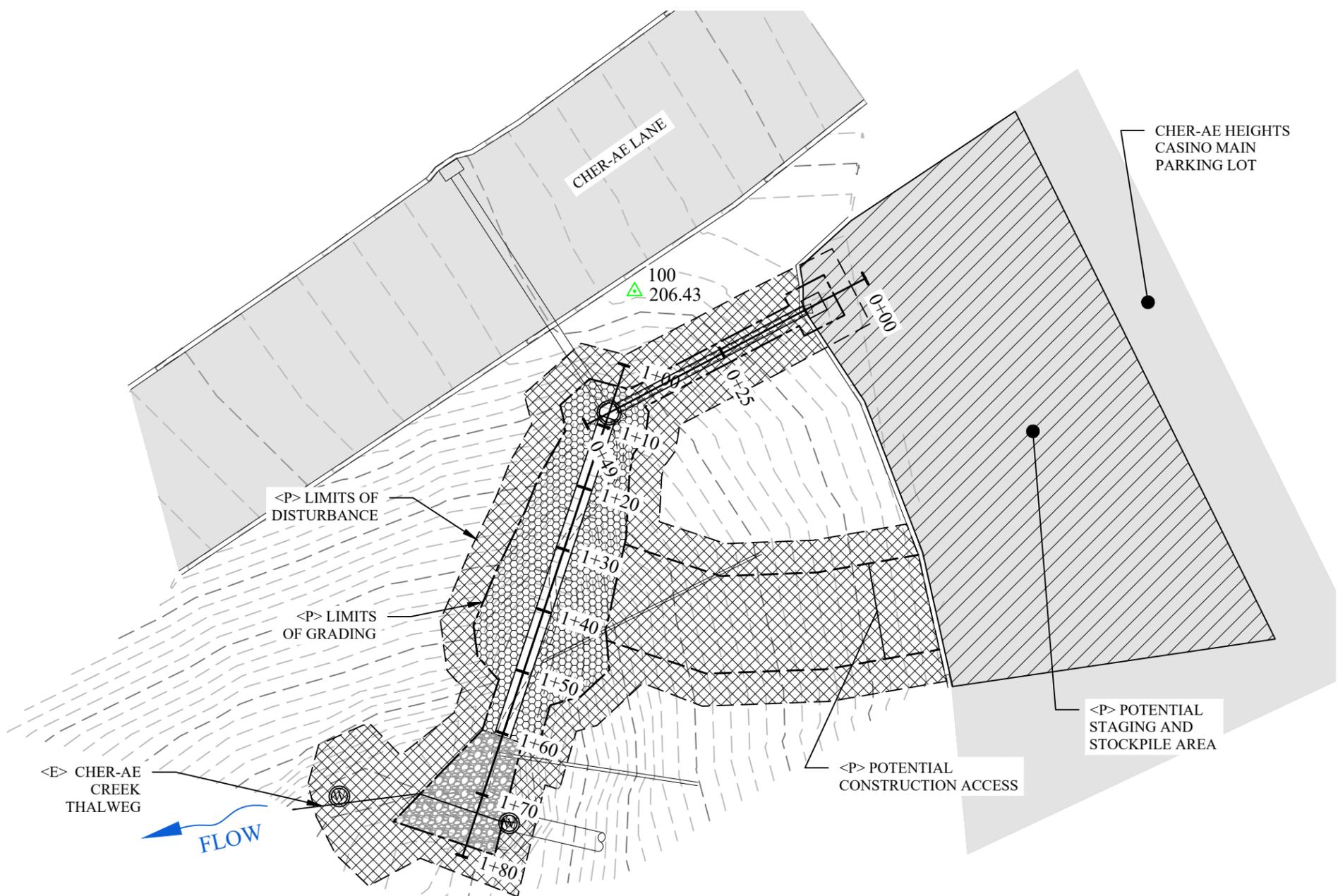
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LEGEND:

| | |
|-------|---|
| --- | <E> MAJOR CONTOURS |
| - - - | <E> MINOR CONTOURS |
| ▲ | SURVEY CONTROL POINT |
| ▭ | <E> ASPHALT SURFACE |
| ▨ | EC-6, EC-7, EC-8, EC-12, WM-2, WM-4, SE-1, SE-5, SE-9 |
| ▩ | NS-9, NS-10, WM-1, WM-2, WM-3, WM-4, WM-5, WM-6, WM-9, SE-7, TC-1 |
| ▧ | EC-7, EC-12, WM-2, WM-4 |
| ⊙ | NS-2, NS-5, NS-6, EC-9, SE-5 |
| — | <E> FEATURES |
| - - - | <P> STORM DRAIN FEATURE TBR |
| — | <P> STORM DRAIN FEATURE |
| - - - | <P> LIMIT OF GRADING |
| - - - | <P> LIMIT OF DISTURBANCE |



PROJECT SPECIFIC CASQA WATER POLLUTION AND EROSION CONTROL BMPs:

PROJECT SPECIFIC WATER POLLUTION CONTROL BMPs ARE DESCRIBED IN THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) BMP HANDBOOK FACT SHEETS. CASQA BMPs CHOSEN FOR THIS PROJECT INCLUDE AT A MINIMUM THE FOLLOWING:

EC-1, SCHEDULING WILL BE UTILIZED THROUGHOUT PROJECT PHASES TO ENSURE MAJOR EARTH DISTURBING ACTIVITIES OCCUR ONLY DURING NON-RAINY WEATHER.

EC-2, PRESERVATION OF EXISTING VEGETATION WILL BE IMPLEMENTED BY CLEARLY DELINEATING THE PROJECT BOUNDARIES.

EC-6, STRAW MULCH AND/OR **EC-8** WOOD MULCH MAY BE USED AS NECESSARY TO PROTECT BARE SOIL AREAS INCLUDING CUT/FILL AREAS, STOCKPILES AND DISTURBED GROUND AS A RESULT OF CONSTRUCTION.

EC-7, GEOTEXTILES AND MATS USED TO PROTECT BARE SOIL AREAS WITH SLOPES STEEPER THAN 3:1 (H:V).

EC-9, EARTH DIKES AND COFFER DAMS WILL BE USED AS NECESSARY TO DIVERT ACTIVE STREAMFLOW AROUND THE CONSTRUCTION AREA AT SPECIFIED LOCATIONS OR AS DIRECTED BY THE PROJECT ENGINEER.

EC-12, STREAMBANK STABILIZATION MEASURES MAY BE USED ALONG ALL STREAMBANK DISTURBANCE ZONES AT SPECIFIED LOCATIONS OR AS DIRECTED BY THE PROJECT ENGINEER OR GEOLOGIST. STREAMBANK STABILIZATION MAY INCLUDE MATS, RSP OR BIOTECHNICAL MEASURES AS NECESSARY TO PROTECT THE FRESHLY DISTURBED STREAMBANKS FROM EROSION.

NS-2, DEWATERING OPERATIONS AND **NS-5**, CLEAR WATER DIVERSIONS MAY BE IMPLEMENTED AT SPECIFIED LOCATIONS OR AS DIRECTED BY THE CONSTRUCTION MANAGER IN ORDER TO DEWATER THE CONSTRUCTION AREA WHILE EXCAVATION ACTIVITIES ARE TAKING PLACE.

NS-6, ILLICIT CONNECTION/ILLEGAL DISCHARGE DETECTION AND REPORTING WILL BE COMPLETED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT.

NS-9, VEHICLE AND EQUIPMENT FUELING WILL BE CONDUCTED AT LEAST 100 FT FROM ANY STREAM, AND **NS-10**, VEHICLE AND EQUIPMENT MAINTENANCE WILL BE IMPLEMENTED IN A MANNER TO AVOID ANY RELEASE OF POTENTIAL POLLUTANTS.

WM-1, MATERIAL DELIVERY AND STORAGE, **WM-2**, MATERIAL USE AND **WM-6**, HAZARDOUS WASTE MANAGEMENT WILL BE IMPLEMENTED TO PREVENT DISCHARGES OF CONSTRUCTION MATERIALS AND WASTES DURING DELIVERY, STORAGE AND USE.

WM-3, STOCKPILE MANAGEMENT BMPs WILL BE IMPLEMENTED TO REDUCE OR ELIMINATE STORMWATER POLLUTION RUNOFF FROM STOCKPILES OF SOIL, MULCH, AGGREGATES OR OTHER MATERIALS. **SE-1** (SILT FENCE), **SE-5** (FIBER ROLLS) AND **SE-9** (STRAW BALE BARRIER) BMPs WILL BE APPLIED AS NECESSARY AT THE DISCRETION OF THE CONSTRUCTION MANAGER.

WM-4, SPILL PREVENTION AND CONTROL WILL BE IMPLEMENTED TO CONTAIN AND CLEAN UP SPILLS AND PREVENT MATERIAL DISCHARGES TO ANY STREAM OR WETLAND.

WM-5, SOLID WASTE MANAGEMENT BMPs REQUIRE THAT ANY SOLID WASTE BE CONTAINED IN A WATER TIGHT CONTAINER AND WILL BE LOADED DIRECTLY INTO TRUCKS FOR OFF-SITE DISPOSAL AT LEAST ON A WEEKLY BASIS.

WM-9, SANITARY/SEPTIC WASTE MANAGEMENT. IF SANITARY FACILITIES ARE NOT AVAILABLE ONSITE, PORTABLE TOILETS WILL BE BROUGHT IN AND WILL BE EMPTIED AT LEAST ON A WEEKLY BASIS.

SE-7, STREET SWEEPING AND VACUUMING MAY BE REQUIRED TO PREVENT SEDIMENT FROM TRACKING ONTO THE ROADWAY AT THE DISCRETION OF THE CONSTRUCTION MANAGER

TC-1, A STABILIZED CONSTRUCTION ENTRANCE/EXIT WILL BE INSTALLED TO PREVENT SEDIMENT TRACKING ONTO THE PUBLIC ROADWAY.

11" x 17" SHEET. IF SHEET SIZE IS SMALLER, DRAWING HAS BEEN REDUCED.

| | | |
|--|--------------------------|---------------------------|
| DATE 5/8/2023 | NOTES PREPARED BY PWA | FIGURES CREATED BY JPS |
| | | |
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| EROSION CONTROL PLAN | | |
| PROJECT NAME AND LOCATION: TRINIDAD RANCHARIA SITE #13 NONPOINT SOURCE POLLUTION REDUCTION AND EROSION CONTROL PROJECT | PWA JOB NO. 10644 | |
| C9 | | |

| Trinidad Rancheria Non-Point Source Pollution | | |
|---|---|-----------------|
| Opinion of Probable Construction Cost for 2023 | | |
| Item# | Description | Cost |
| 1 | Mobilization/Demobilization | \$13,500 |
| 2 | Clearing and Grubbing | \$12,500 |
| 3 | Water Management | \$8,000 |
| 4 | Demolition and Excavation | \$9,500 |
| 5 | Installation of Slope Drain and Culvert #2 | \$31,000 |
| 6 | Traffic Control | \$7,000 |
| 7 | Erosion Control | \$3,000 |
| | Subtotal | \$86,500 |
| | 15% Contingency | \$12,975 |
| | Total | \$99,475 |

*This cost estimate is meant to anticipate the potential costs of project implementation. Costs may vary depending on the methods, materials, and rates proposed by the contractor during the bidding process.

BID FORM

PROPOSAL OF

(hereinafter called "Bidder"), organized and existing under the laws of the State of California, doing
business as

(a corporation, a partnership, an individual, etc.)

to the **Trinidad Rancheria** (hereinafter called "Owner").

In compliance with the Advertisement for Bids, Bidder hereby proposes to perform all work for the
completion of the Site #13 Nonpoint Source and Erosion Control Project and all other appurtenant
items in strict accordance with the Contract Documents, within the time set forth therein, and at
the prices stated in the Bid Schedule, also included herein.

By submission of this Bid, the Bidder certifies, and in the case of a joint Bid each party thereto
certifies as to Bidder's organization, that this BID has been arrived at independently, without
consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder
or with any competitor.

Bidder hereby agrees to commence work under this contract on or before a date, to be specified in
the Notice to Proceed, and to fully complete the project within the allocated timeframe. Bidder
further agrees to pay as liquidated damages, the sum of \$1,000.00 per calendar day for every
day beyond the agreed upon date of completion as provided in the General Provisions
(Time for Completion and Liquidated Damages section).

Bid Grand Total Amount: _____
(Numeric Amount)

(Written Amount)

Bidder agrees to perform all the work described in the Contract Documents for the unit prices or
lump sum stated in the Bid Schedule.

Bid Respectfully Submitted:

Date

Bidder

Address

License No.

Expiration Date

Print Name

Title

Signature

SEAL – (if BID is by a corporation)