RFP Questions & Responses

Mokelumne River Floodplain Habitat Restoration Project (FW2-26)

1. What is the current proposal submission deadline?

No later than 4:00 p.m. on Friday, November 6, 2026.

2. What is the deadline for submitting questions?

No later than 8:00 a.m. on Friday, October 30, 2026.

3. Will EBMUD disclose the evaluation weights assigned to criteria A through G?

Yes. The evaluation weights below reflect EBMUD's priorities for technically sound, cost-effective restoration delivered by an experienced team with a clear and achievable implementation approach. Every criterion matters, and proposers should explain how their approach brings these elements together to deliver lasting habitat benefits, fulfill the District's restoration commitments, and support the recovery of native fish populations through sound fisheries science, collaboration, and responsible stewardship of public funds.

Criterion	Weight %
A. Technical Criteria	20
B. Cost	25
C. Implementation Plan & Schedule	15
D. Relevant Experience & Project Team	20
E. Understanding of Project & HRL Program	5
F. Methodology	10
G. Contract Equity Program	5
	100

4. What is the intended contracting structure for the project, and may either an engineering firm or construction contractor serve as the prime?

A sample agreement has been published through Addendum No. 6 and should be considered when preparing proposals. EBMUD will not dictate which firm serves as the prime; each proposing team should determine and propose its contracting structure.

5. Can subcontractor or joint venture partner experience satisfy the RFP's minimum design and construction experience requirements?

Yes. The minimum experience requirements apply to the proposing team as a whole, rather than solely to the prime contractor. Experience held by subcontractors or joint venture partners may satisfy these requirements, provided the team collectively demonstrates the minimum qualifications specified in the RFP.

As stated in the RFP (Section I.B.1.a), the "*Proposer, Proposer's principal, or Proposer's staff shall have been regularly engaged in the business of providing floodplain engineering design and construction/restoration services for at least 5 years.*" The proposing team must therefore collectively demonstrate at least five years of experience in both floodplain engineering design and construction/restoration services. Experience in only one of these areas does not satisfy the requirement.

6. Will EBMUD provide the example contract referenced as Exhibit C?

A sample agreement has been published through Addendum No. 6.

7. Is a payment and/or performance bonds required, and what amount must be bonded?

Yes. Both a performance bond and a payment bond are required, each in an amount equal to 100% of the total project cost (design and construction). Forms for both bonds were attached to the sample agreement and are also included at the end of this document.

8. What is the anticipated contract value, and are Engineer's Estimates available for either construction project?

Engineer's Estimates are not currently available for either construction/restoration project areas, as the designs have only recently advanced to approximately 70%. EBMUD expects proposers to develop preliminary construction cost estimates based on the available design documents, their professional experience, and their proposed approach to implementation. These estimates will help EBMUD better understand anticipated project costs and inform subsequent project planning and budgeting.

9. Are construction prices submitted with the proposal binding, or are they preliminary estimates subject to refinement following final design?

Proposers are expected to submit construction cost estimates and assumptions that they believe will cover the proposed project and these estimates should be based on the available 70% design documents. EBMUD anticipates establishing an agreement based on the submitted proposal budget estimates, with adjustments to construction costs addressed through the District's established change order process as the designs advance from 70% to 100% completion. Any changes in scope, quantities, or construction requirements that materially affect project costs would be subject to EBMUD review and approval.

10. What pricing format should proposers use for design, permitting, and construction, including the schedule of values and additional labor classifications?

Refer to Exhibit H (Bid Schedule) in Addendum No. 5 for the proposal pricing format. Construction and Design and Professional Services pricing should be presented separately. Forms may be modified slightly to accommodate the proposed scope and applicable labor classifications.

The term “Bid Schedule” was used because it is familiar to construction firms and provides a standardized format for construction pricing. However, to clarify, this procurement process is being flown via a Request for Proposals, and proposals will be evaluated on their merits using the evaluation criteria established in the RFP and further described in Addendum No. 5.

11. What assumptions, exclusions, contingencies, and escalation allowances may proposers include in construction cost estimates?

EBMUD expects proposers to identify all cost assumptions used to develop their proposals. These details will be considered in the evaluation. Clear explanations of the assumptions and rationale will help the evaluation team understand and accurately score each proposal.

12. Will EBMUD provide standardized construction quantities for proposal pricing, or should each proposer develop estimates based on the available design?

EBMUD has provided standardized construction bid schedules in Addendum No. 5, which identified the major anticipated construction activities, units, and estimated quantities for the Mokelumne River Day Use Area Restoration Project and the Conservation Easement Restoration Project, which were based on the project’s approximately 70% engineering design. Proposers shall use the provided quantities as the common baseline for construction pricing; these quantities are preliminary and may change during final design and permitting.

The bid schedules described above and in more detail in Addendum No. 5 are not meant to be exhaustive. Thus, proposers shall account for all reasonably anticipated construction activities necessary to implement the project. Required construction activities not covered by the existing bid items shall be separately identified and priced, with their costs included in the applicable construction subtotal.

Professional engineering, surveying, environmental consulting, and professional construction-management services, including those performed during construction, should be excluded from the construction bid schedules and shall be separately itemized and priced under Design and Professional Services.

13. What existing 70% design documents, supporting technical studies, and reports will be provided to all proposers?

EBMUD provided the 70% Design Report and supporting documents through Addendum No. 3, including design drawings, the Tree Removal Assessment, Hydrologic Analysis and Hydrodynamic Technical Memorandum, Geomorphic Report, Biological Resources Evaluation, and the FEMA No-Rise Analysis. Addendum No. 3 also included a suit of Project Specifications addressing Tree and Plant Protection, Selective

Demolition, Clearing and Grubbing, Earth Moving, Control of Water, Planting, Seeding, Large Wood, and Gravel Processing. These materials are available to all proposers and shall be used to inform the proposed scope of work, technical approach, schedule, and pricing in accordance with the RFP and applicable addenda.

Note to clarify 70% drawing versions: The drawings dated September 1, 2026, provided with Addendum No. 2, are the current 70% design drawings; Addendum No. 3 included an earlier drawing set dated June 10, 2026. Although the differences between these versions are minor, the September 1, 2026, drawing set is reproduced on pages 10–40 of this document and shall be used for proposal preparation in place of the June 10, 2026, drawing set.

14. To what extent may the selected consultant rely on the existing 70% design documents, and what independent verification will be required?

For proposal preparation, proposers may rely on the 70% design documents and supporting information provided through the RFP and its addenda, including issued clarifications and updated drawings. Independent verification of this information is not required as part of the proposal preparation.

EBMUD will also be using these exact published materials as the common project baseline and thus evaluate proposals in accordance with the requirements and evaluation criteria established in the RFP.

Following award, any verification required to advance the project through final design, permitting, and construction will be governed by the awarded scope of work and agreement.

15. How will design authority and responsibility be allocated between EBMUD and the selected consultant during advancement from 70% to 100% design?

The selected consultant will have primary responsibility for advancing the project from 70% to 100% design, including engineering decisions, technical analyses, constructability considerations, and development of final construction documents. EBMUD will remain actively involved throughout the design process, providing input and guidance to ensure the final designs are consistent with the project's ecological objectives, fisheries habitat requirements, and overall restoration goals.

EBMUD's fisheries staff will provide technical input based on their knowledge of the Lower Mokelumne River, including local hydrology, salmonid habitat requirements, and restoration priorities. The selected consultant will be expected to incorporate this input into the design development process while applying its professional engineering and construction expertise to determine appropriate, technically sound, and constructible solutions.

Final design decisions will be developed collaboratively, with the selected consultant retaining professional responsibility for the engineering design and EBMUD retaining review and approval authority over the final design and project scope. Any substantial design modifications should be discussed with and approved by EBMUD before implementation.

16. How will changes between the 70% and 100% designs that affect project scope, construction quantities, costs, or schedule be addressed?

As described in the sample agreement provided with Addendum No. 6, changes affecting project scope, construction quantities, costs, or schedule as the design advances from 70% to 100% completion will be addressed through EBMUD’s established contract change procedures.

Proposed changes and their associated cost and schedule impacts shall be submitted to EBMUD for review. Any resulting adjustments to the authorized scope, compensation, or contractual completion dates require EBMUD’s written approval and shall be documented through a change order or amendment, as applicable under the agreement.

17. Please confirm whether firms that performed prior services are eligible to participate as a Proposer, subcontractor or subconsultant under RFP FW2-26.

Firms that performed prior preliminary planning, engineering, technical analysis, environmental review, and permitting services for this project are eligible to participate under RFP FW2-26 as a Proposer, subcontractor, or subconsultant. Based on EBMUD’s current review, a firm’s prior preliminary involvement in the project does not, by itself, create an organizational conflict of interest or disqualify the firm from participating.

Preliminary design documents and supporting project materials have been made available to all prospective Proposers through the RFP and addendum process.

18. If eligibility depends on the scope of a firm's prior services or EBMUD's organizational conflict-of-interest requirements, please identify any applicable restrictions.

There are no additional project-specific eligibility restrictions based solely on the scope of a firm's prior services. All Proposers, subcontractors, and subconsultants are responsible for complying with the requirements of the RFP.

19. What is the current status of CEQA review and permitting, and which approvals remain outstanding?

EBMUD has made substantial progress on the project's environmental review and permitting requirements, with agency consultations completed and applications drafted for several key permits. CEQA compliance is being pursued through the Statewide Restoration General Order Program Environmental Impact Report (SRGO PEIR) pathway, supported by a project-specific Initial Study/Consistency Analysis. EBMUD anticipates presenting the project to its Board of Directors for consideration on December 8, 2026, with the Notice of Determination expected to be filed by December 15, 2026, subject to Board approval.

The U.S. Army Corps of Engineers Section 404 permit application is anticipated to be submitted in October 2026, with approval targeted for March–April 2027. Applications for the State Water Resources Control Board Section 401 Water Quality Certification and California Department of Fish and Wildlife Restoration Management Permit are expected to be submitted following CEQA completion in December 2026, with approvals anticipated in March–April 2027. The Central Valley Flood Protection Board Encroachment Permit application is also expected to be submitted following CEQA completion, with approval anticipated in May–June 2027. EBMUD is pursuing preliminary engineering review with the CVFPB to help streamline this process.

Overall, EBMUD anticipates obtaining the primary regulatory approvals by June 2027. These timelines are preliminary and subject to regulatory agency review and approval.

20. How are permitting responsibilities divided between existing agreement, EBMUD, and the selected consultant?

Under the existing agreement, the current consultant is responsible for preparing and submitting the required permit applications. Following submission, the selected consultant will assume responsibility for managing and completing the permitting process, including ongoing coordination and consultation with regulatory agencies, responding to agency comments and requests for additional information, and preparing any necessary revisions or supplemental materials. The selected consultant will work closely with EBMUD to secure all required regulatory approvals and ensure permitting activities remain aligned with the project's design and construction schedule.

21. How will additional environmental requirements, permit conditions, or regulatory changes affecting the design, cost, or construction schedule be addressed?

Proposers should address potential permitting challenges, additional environmental requirements, and regulatory changes in their proposed technical approach and project schedule. EBMUD encourages proposers to identify potential permitting risks and describe their strategies for addressing unforeseen regulatory requirements while minimizing impacts to project costs and construction timelines. Proposers are also encouraged to provide examples of relevant experience from previous projects, including how they successfully addressed permitting challenges, coordinated with regulatory agencies, and adapted project designs or schedules to accommodate changing requirements.

As described above and in further detail in the sample agreement provided with Addendum No. 6, changes to environmental requirements, permit conditions, or regulations that affect the design, cost, or construction schedule will be addressed through EBMUD's established contract change procedures.

22. Does EBMUD anticipate construction occurring over the 2027 and 2028 construction seasons, or primarily during 2028?

EBMUD's preferred goal is to complete some or all construction during the 2027 construction season; however, EBMUD recognizes that this may be an ambitious timeline given the project's permitting, design, and construction requirements. EBMUD encourages proposers to develop a realistic and efficient implementation schedule based on their professional experience and proposed construction approach.

Proposers should describe how they would sequence design, permitting, and construction activities to maximize efficiency while ensuring compliance with all applicable regulatory requirements and environmental work windows. Particular consideration should be given to opportunities for accelerating construction or implementing the project in phases to bring functional habitat online as early as possible.

EBMUD's overarching priority is to maximize the ecological benefits of the restoration project by providing high-quality habitat for native fishes in the Lower Mokelumne River as soon as practicable, while maintaining regulatory compliance and ensuring successful project implementation.

23. When will EBMUD authorize construction at each implementation site, and how will delays in authorization be addressed?

EBMUD intends to authorize construction at both implementation sites as soon as practicable, subject to the necessary regulatory approvals and project readiness. EBMUD anticipates determining construction authorization during contract negotiations, with the goal of executing an agreement by January 2027. Any potential delays or changes to the anticipated construction schedule will be evaluated in coordination with the selected consultant to identify appropriate adjustments and minimize impacts to project implementation. As described above and in further detail in the sample agreement provided with Addendum No. 6, changes affecting project scope, construction quantities, costs, or schedule as the design advances will be addressed through EBMUD's established contract change procedures.

24. What anticipated environmental work windows and seasonal construction restrictions should proposers assume?

Based on our consultation with regulatory agencies, the general construction window is anticipated to be May 1–October 31, with the following work-specific windows:

- In-water work: June 15–October 31 (based on the NMFS Central Valley programmatic requirements).
- Earthwork outside the wetted channel: May 1–October 31.

Biological surveys, soil surveys, and soil sampling are not considered construction activities and may occur before the construction window opens. Tree removal depends on permits anticipated to be available in May or June, leaving limited opportunity to complete tree work before the anticipated construction windows. These windows are preliminary and remain subject to final permit conditions and regulatory approvals.

25. What requirements or assumptions should proposers use for temporary water management, dewatering, diversion, and channel closures?

Requirements and considerations for these activities are generally addressed in the Project Specifications provided with Addendum No. 3. Proposers should review the specifications and incorporate applicable requirements into their proposed construction approach, schedule, and cost estimates. Proposers should also draw on their required minimum of five years of design and construction experience to recommend appropriate methods and management practices for this project.

26. What geotechnical, subsurface, groundwater, soil, and sediment information is available, and how will differing site conditions be addressed?

The most comprehensive available information regarding geotechnical, subsurface, groundwater, soil, and sediment conditions is provided in the Mokelumne River Floodplain Habitat Restoration Project 70% Final Design Report and Appendix D: Geomorphic Report, both of which were made available to proposers through

Addendum No. 3. Proposers should review these documents and incorporate the available site-specific information into their proposed technical approach, construction methods, schedule, and cost estimates.

27. What known mercury contamination or other hazardous-material conditions exist, and how will unforeseen contamination be handled?

EBMUD is not aware of mercury contamination or other hazardous-material at any of the project sites. Proposers are not required to include mercury testing in the base proposal. However, if testing is subsequently required by a regulatory agency, the proposed scope, costs, and schedule impacts will be reviewed by EBMUD and addressed through the applicable change-order procedures under the agreement (Addendum #6 - Sample Agreement).

If suspected mercury contamination or other hazardous materials are encountered, the selected contractor shall promptly notify EBMUD before further disturbing the affected material and follow the agreement's applicable notification, safety, and differing-site-condition requirements. Any additional investigation, testing, or remediation will be addressed in accordance with the agreement.

Proposers may describe their experience with mercury testing and related regulatory coordination on comparable projects to demonstrate their understanding of these requirements and ability to manage such issues.

28. What assumptions should proposers use for earthwork quantities, on-site material balance, import/export, hauling, stockpiling, and disposal?

Quantities were published in Addendum No. 5.

29. Is the selected consultant responsible for meeting the approved design and construction criteria, or for guaranteeing post-construction hydraulic and habitat performance?

The selected consultant will be responsible for constructing the habitat in accordance with the final approved 100% design and then demonstrating conformance through as-built documentation.

30. What revegetation establishment, maintenance, and success criteria are included in the contract?

These requirements can be found in the Mokelumne River Floodplain Habitat Restoration Project 70% Final Design Report and the Project Specifications published in Addendum No. 3 (Section 32 90 00 Planting).

31. Is post-construction habitat effectiveness monitoring included in the selected consultant's scope of work?

No. EBMUD will conduct post-construction habitat effectiveness monitoring, including evaluating habitat suitability and utilization by fish. However, to be clear, the habitat effectiveness monitoring is separate from the as-built surveys, measurements, and documentation that the selected consultant's team must provide to demonstrate that the habitat was constructed in accordance with the approved design and construction requirements.

32. Will bid item(s) be added for each project to address the number (and size and complexity) of large wood structures, boulders, habitat complexity features, and bank stabilization elements?

This RFP is structured as a combined design and construction procurement rather than a conventional construction bid based on completed design plans. Accordingly, no additional standardized bid items will be added for these features. Proposers are expected to account for the habitat features necessary to meet the RFP's design and construction requirements when developing their technical approach and construction cost estimates.

The existing 70% design establishes the project's habitat objectives and design criteria, including a minimum of 20% areal coverage by qualifying cover features within applicable habitat areas. While the current plans identify certain habitat features, their final quantities, dimensions, locations, and configurations will be refined as the project advances to 100% design. EBMUD expects proposers to draw upon their engineering, construction, and fisheries restoration experience to describe how their proposed approach will provide suitable fish cover and refugia habitat consistent with the applicable habitat-suitability criteria (SWRCB 2026).

These features are part of the anticipated construction scope. Section I.C.6.f(2)(f), Construction Implementation and Management, specifically identifies the installation of large wood structures, boulders,

habitat complexity features, and bank stabilization elements. Proposers shall use the standardized bid quantities when preparing their baseline construction cost estimates and clearly identify the assumptions used to price these features. Any additional work necessary to achieve the specified design criteria that is not represented by an existing bid item should be separately identified and priced, without duplicating costs included elsewhere in the proposal.

EBMUD also expects proposers to demonstrate an understanding of how their proposed restoration approach supports the project's ecological objectives and anticipated contribution to the Healthy Rivers and Landscapes (HRL) Program. The adequacy of each proposer's technical approach, including its consideration of habitat-cover requirements, design methodology, and implementation strategy, will be evaluated under the applicable criteria in Section III.B of the RFP, particularly Criteria A, E, and F. Thus, proposers should clearly describe their proposed habitat features, explain the technical basis for their approach, and demonstrate how the design and construction methods are expected to achieve the applicable habitat-suitability criteria.

Reference

State Water Resources Control Board. 2026. Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Watershed, Final Draft Sacramento/Delta Updates, October 16, 2026. Section 4.4.9.6, Tables 15–17, and Appendix B.2.

33. Is archaeological or tribal monitoring required on this project?

EBMUD is continuing regulatory consultation, and project-specific archaeological and tribal monitoring requirements have not yet been finalized.

Proposers should draw on their experience with comparable floodplain restoration projects to describe their anticipated approach to addressing potential monitoring requirements. Proposals should clearly identify assumptions regarding the type and extent of monitoring, staffing, duration, schedule implications, and associated costs.

Final monitoring requirements will be established through the applicable consultation, environmental review, and permitting process. If those requirements affect the authorized scope, compensation, or schedule, the impacts will be subject to EBMUD review and addressed through the applicable contract procedures.

34. Can you provide a list of the species addressed in the CDFW Restoration Management Permit?

The CDFW Restoration Management Permit is not complete, so providing a species list at this stage would not offer additional guidance for proposal preparation and may only confuse the process. EBMUD recommends that proposers draw on their required five years of floodplain design and construction experience when developing their proposals.

35. Can you provide the list of avoidance and minimization measures included in the CDFW Restoration Management Permit application?

The CDFW Restoration Management Permit is not complete, so providing a list of avoidance and minimization measures at this stage would not offer additional guidance for proposal preparation. EBMUD recommends that proposers draw on their required five years of floodplain design and construction experience when developing their proposals.

36. Can you provide an ETA for the distribution of the CAD files? These will allow all bidders to price consistently and reduce errors in determining take offs.

EBMUD does not plan to distribute the CAD files. The engineering drawings, site visit, and supporting reports provided during the 70% design process establish a common baseline that EBMUD considers sufficient for preparing proposals for this project.

37. Confirm that elderberry shrub relocation, if required, will be performed by others and is excluded from the Contractor's scope.

Yes, this is excluded from the Contractor's scope.

38. **Please confirm whether heavy equipment may operate within the wetted channel without cofferdams or water diversion?**

Yes, heavy equipment may operate within the wetted channel during in-water work windows provided the equipment is converted to biodegradable hydraulic fluids and lubricants and other fish exclusion measures are implemented.

39. **Backfill and earthen features require mechanical compaction in uniform lifts. Please identify the required compaction testing method and frequency for each fill application, such as pond fill, the setback berm, and general grading.**

EBMUD will investigate this question further, however if an answer is not available before the proposal period closes, proposers should draw on their required five years of floodplain design and construction experience when developing their proposals. To EBMUD's knowledge, all proposers have the same baseline information. If EBMUD cannot provide further clarification, proposers should use their experience to address these details.

40. **Would block nets installed upstream and downstream of active in-water work areas, combined with full-time biological monitoring, be acceptable as the fish exclusion measure?**

EBMUD will investigate this question further, however if an answer is not available before the proposal period closes, proposers should draw on their required five years of floodplain design and construction experience when developing their proposals.

41. **Can you please provide guidance regarding the requested grades, maximum fill heights, side slopes, and stabilization requirements associated with each spoil storage area? Can spoil area footprints be modified to ensure select area accommodates the directed work activities and storage requirements?**

EBMUD will investigate this question further, however to EBMUD's current knowledge, grades, maximum fill heights, side slopes, and stabilization requirements have not yet been established for each spoil storage area. To the best of EBMUD's current knowledge, these requirements are expected to be site-specific. Spoil storage footprints may be modified to accommodate the required work activities and storage volumes. However, proposed modifications will need to be discussed with the applicable regulatory agencies as the design advances from 70% to 100%.

42. **Can you please clarify the designated haul routes and transportation limitations for moving spoil and stockpile materials from the active work areas to the spoils storage locations for the Day Use Area?**

Haul routes are shown in the 70% Design Drawings that were published in both Addendum No. 2, Addendum No. 3, and attached below.

43. **Is there a Good Faith Effort requirement associated with the District's Contract Equity Program for this project? If so, can you clarify the requirements and any documentation that must be submitted with the proposal?**

Proposers should review the "Contract Equity Program & Equal Employment Opportunity" section of Exhibit A—RFP Response Packet, together with the linked Contract Equity Program guidelines, for applicable requirements and documentation required with the proposal. That section also provides contact information for EBMUD CEP staff who can clarify program requirements and required submittals.

44. **Do proposers need to fill out the Declaration of Eligibility to Work on Public Works Projects?**

Yes. The Declaration of Eligibility to Work on Public Works Projects should be completed for this project. The form was published in Addendum No. 6 and should be filled out and attached to the RFP.

45. **Can prospective proposers and/or subcontractors gain access to the sites to help determine their scopes and pricing. Can they visit on their own or do they need to coordinate with EBMUD? Can they have access to all three site locations?**

To maintain a fair and equitable procurement process, EBMUD will not arrange additional site visits for individual proposers or subcontractors without extending the same opportunity to all prospective proposers.

An optional site visit was conducted on October 5, 2026, and EBMUD does not anticipate coordinating additional site visits.

Prospective proposers and subcontractors may independently visit the Mokelumne River Day Use Area (MRDUA) during posted public operating hours without prior authorization from EBMUD, provided they remain within areas open to the public.

The Upstream and Downstream Conservation Easement sites are located on private property and are not open to the public. Access to these sites is prohibited without prior authorization. EBMUD requests that all proposers and subcontractors respect these access restrictions, as maintaining positive relationships with the underlying private landowners is important to the continued success of the restoration project.

46. What should proposers do if they disagree with specific quantities in the bid schedule?

The existing 70% design reflects the best available information, and EBMUD welcomes technically justified refinements that may improve habitat performance, constructability, or overall project implementation.

For purposes of preparing the baseline construction cost proposal, proposers shall use the quantities identified in the bid schedule to ensure consistency and allow EBMUD to evaluate construction costs on a standardized basis. Proposers shall not substitute alternative quantities in the baseline construction cost estimate.

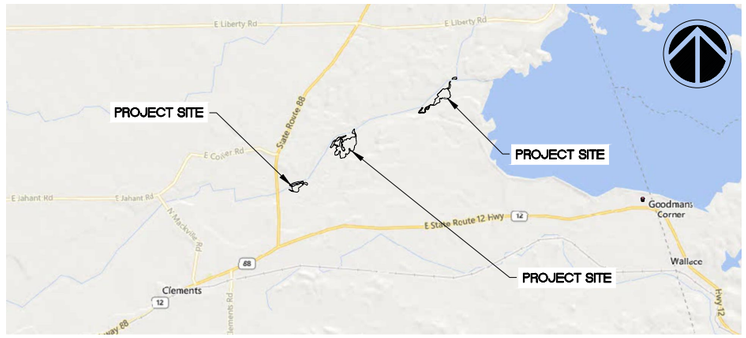
However, proposers may identify and describe alternative approaches, design refinements, or quantity adjustments that they believe would improve the project. These recommendations shall be clearly distinguished from the baseline construction cost proposal, with any associated cost adjustments identified and priced separately as optional items. Such optional costs will not be included in the standardized construction cost comparison. Proposed alternatives do not relieve proposers of their responsibility to meet the RFP's applicable design criteria and construction requirements.

EBMUD will consider these proposed refinements as part of its evaluation of each proposer's technical approach, particularly under the Methodology, Technical Criteria, Implementation Plan & Schedule evaluation criteria identified in Section III.B of the RFP (page 15). Proposers should explain the technical justification, anticipated habitat benefits, constructability considerations, and potential cost or schedule implications of their recommended modifications.

Any proposed quantity adjustments or design refinements accepted by EBMUD may be incorporated during subsequent design development, subject to applicable contract requirements and EBMUD review and approval.

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN



VICINITY MAP

NOT TO SCALE

UNDERGROUND SERVICE ALERT

CALL 811 UNDERGROUND SERVICE ALERT TO LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION.

ELEVATION DATUM

THE VERTICAL DATUM FOR ALL THE ELEVATIONS IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON NATIONAL GEODETIC SURVEY BENCHMARK USGS BM J71497, ELEVATION 191.5 FEET. ALL DIMENSIONS ARE IN FEET, UNLESS OTHERWISE NOTED.

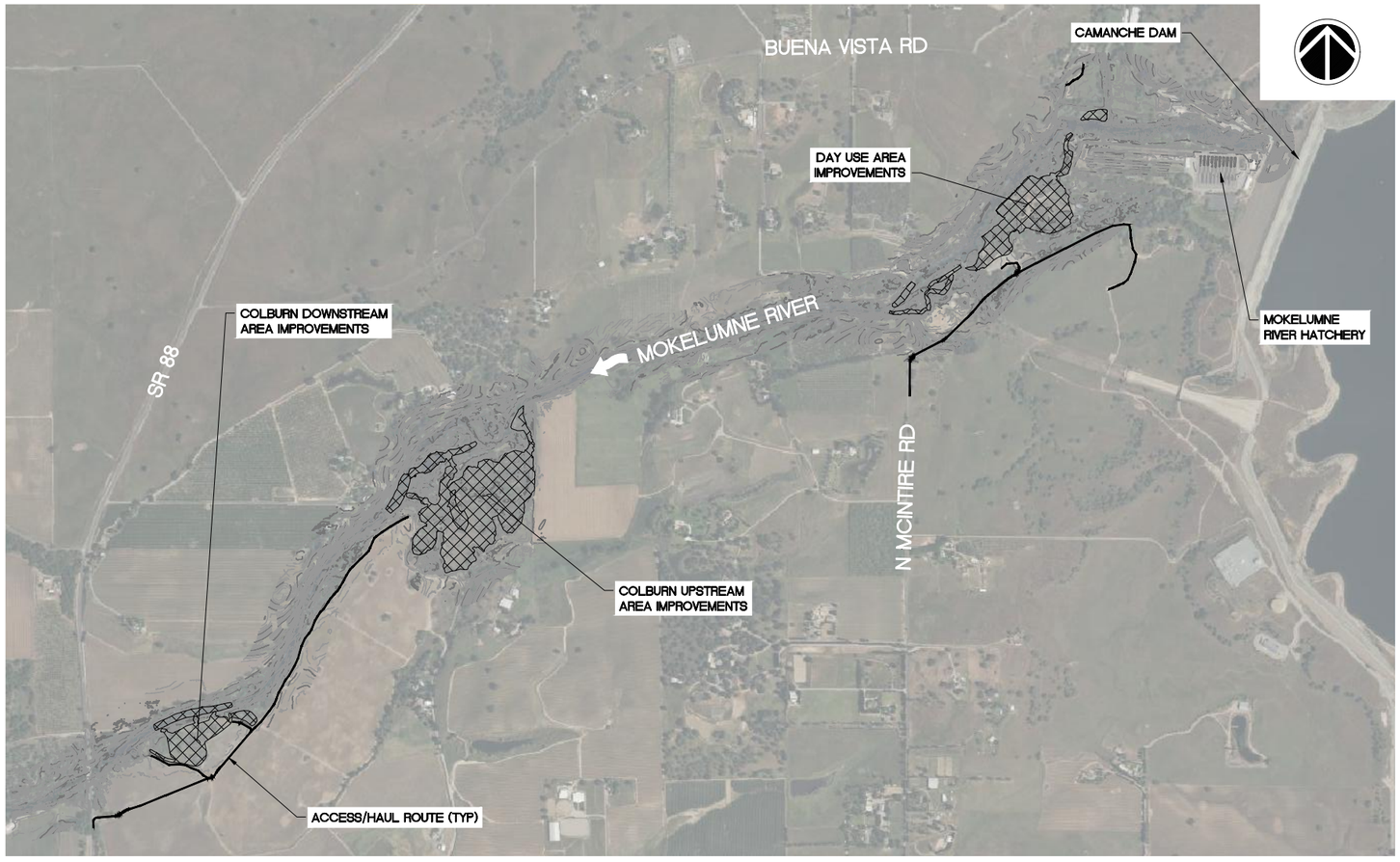
THE SURVEY MONUMENT IS A USGS BENCH MARK DISK, SET IN THE TOP OF A 10–INCH DIAMETER CONCRETE POST, 106.5 FT NORTHEAST OF A POWER POLE IN THE SAME QUADRANT AT THE STATION.

THE STATION IS ABOUT 17.8 MILES NORTHEAST OF STOCKTON, 10.6 MILES EAST OF LODI, AND 3.1 MILES SOUTH OF CLEMENTS.

NORTHING: 6,395,483.68
EASTING: 2,241,088.14
ELEVATION: 191.5'

HORIZONTAL PROJECTION

THE HORIZONTAL PROJECTION IS CALIFORNIA STATE PLANE, ZONE III, FEET, 2011 EPOCH DATE.



PROJECT OVERVIEW

SCALE: 1" = 800'

0 400' 800' 1600'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

TITLE SHEET

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK

DATE: 9/1/2026

SHEET NO. 1 OF 31

DRAWING NO. G1

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Title-Staging.dwg

SHEET INDEX

G1	TITLE SHEET
G2	GENERAL NOTES LEGEND ABBREVIATIONS AND SYMBOLS
C1	DAY USE STAGING AND ACCESS PLAN
C2	COLBURN DOWNSTREAM STAGING AND ACCESS PLAN
C3	COLBURN UPSTREAM STAGING AND ACCESS PLAN
C4	DAY USE AREA OVERVIEW
C5	DAY USE GRADING PLAN
C6	DAY USE GRADING PLAN (2)
C7	DAY USE GRADING PLAN (3)
C8	DAY USE SECTIONS
C9	DAY USE SECTIONS (2)
C10	DAY USE SECTIONS (3)
C11	DAY USE SECTIONS (4)
C12	DAY USE SECTIONS (5)
C13	COLBURN UPSTREAM OVERVIEW
C14	COLBURN UPSTREAM GRADING PLAN
C15	COLBURN UPSTREAM GRADING PLAN (2)
C16	COLBURN UPSTREAM GRADING PLAN (3)
C17	COLBURN UPSTREAM GRADING PLAN (4)
C18	COLBURN UPSTREAM SECTIONS
C19	COLBURN UPSTREAM SECTIONS (2)
C20	COLBURN UPSTREAM SECTIONS (3)
C21	COLBURN UPSTREAM SECTIONS (4)
C22	COLBURN UPSTREAM SECTIONS (5)
C23	COLBURN DOWNSTREAM OVERVIEW
C24	COLBURN DOWNSTREAM GRADING PLAN
C25	COLBURN DOWNSTREAM SECTIONS
C26	COLBURN DOWNSTREAM SECTIONS (2)
C27	DAY USE PLANTING PLAN
C28	COLBURN UPSTREAM PLANTING PLAN
C29	COLBURN DOWNSTREAM PLANTING PLAN

LEGEND

EXISTING GROUND CONTOURS	31 30 29
FINISHED GRADE CONTOURS	31 30 29
SURVEYED POINT	× 32.22 (DESCRIPTION)
PARCEL LINE	

PROJECT FLOW	CFS	APPROXIMATE RETURN INTERVAL
BASEFLOW	325	BASEFLOW
LOW FLOODPLAIN INUNDATION	800	1–YEAR
HIGH FLOODPLAIN INUNDATION	1500	2–YEAR
MAXIMUM RELEASE	5000	10–YEAR
FEMA FLOOD FLOW	9700	100–YEAR

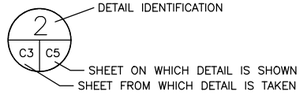
DEFINITIONS

PROPERTY OWNER:	EAST BAY MUNICIPAL UTILITY DISTRICT 1 WINEMASTERS WAY, SUITE K2 LODI, CA 95240 CONTACT: JAMES PEARSON (209) 269–6357
DESIGN ENGINEER:	FLOWWEST PO BOX 29392 OAKLAND, CA 94604 CONTACT: NICHOLAS STEINKE (510) 454–9378 EXT 116
OWNER'S REPRESENTATIVE:	THE OWNER–DESIGNATED CONSTRUCTION MANAGER OR PRIMARY CONTACT FOR THE CONTRACTOR (TO BE IDENTIFIED PRIOR TO CONSTRUCTION). THE OWNER'S REPRESENTATIVE WILL COORDINATE AS NEEDED BETWEEN THE OWNER AND DESIGN ENGINEER.

ABBREVIATIONS

AB	AGGREGATE BASE	L	LENGTH
APN	ASSESSOR'S PARCEL NUMBER	LF	LINEAR FEET
BMP	BEST MANAGEMENT PRACTICE	LW	LARGE WOOD
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM
CC	CONCRETE	NO	NUMBER
CY	CUBIC YARD	NTS	NOT TO SCALE
DIA	DIAMETER	PROP	PROPOSED
DWG	DRAWING	R	RADIUS
EX	EXISTING	RD	ROAD
EG	EXISTING GROUND	RSP	ROCK SLOPE PROTECTION
EL	ELEVATION	SHT	SHEET
EP	EDGE OF PAVEMENT	STA	STATION
ESM	ENGINEERED STREAMBED MATERIAL	TBD	TO BE DETERMINED
FG	FINISHED GRADE	TEMP	TEMPORARY
H	HORIZONTAL	TYP	TYPICAL
ID	INSIDE DIAMETER	V	VERTICAL

DETAIL REFERENCE CONVENTION



GENERAL NOTES

GENERAL

1. THE CONSTRUCTION WINDOW IS BETWEEN MAY 15 AND OCTOBER 15.
2. THE PLANS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF THE IMPROVEMENTS AND DESIGN INTENT OF THE COMPLETED, INSTALLED WORK. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC. NECESSARY TO COMPLETE THE WORK SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE PLANS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
3. A SET OF SIGNED WORKING PLANS AND SPECIFICATIONS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE OWNER UPON COMPLETION OF WORK.
4. ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS OR OWNER STANDARDS AND/OR REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS. ALL REVISIONS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY OWNER BEFORE BEGINNING WORK.
5. THE CONTRACTOR SHALL CONFORM TO ALL GOVERNING LAWS, CODES, AND ORDINANCES.
6. OWNER'S REPRESENTATIVE ACCEPTS NO RESPONSIBILITY BEYOND THE ADEQUACY OF THE DESIGN CONTAINED HEREIN. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS AND THE SPECIFICATIONS THE CONTRACTOR SHALL CONTACT THE OWNER OR OWNER'S REPRESENTATIVE FOR FURTHER EXPLANATION AS MAY BE NECESSARY.
7. ANY DEVIATIONS OR CHANGES TO THESE PLANS, WITHOUT OFFICIAL APPROVAL OF THE OWNER'S REPRESENTATIVE SHALL ABSOLVE THE OWNER'S REPRESENTATIVE OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
8. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD OWNER AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
9. GENERAL SUBMITTAL REQUIREMENTS: THE CONTRACTOR SHALL MAKE SUBMITTALS WHERE INDICATED. SUBMITTALS SHALL BE NEAT, TYPE–WRITTEN AND INCLUDE: THE PROJECT NAME, CONTRACTOR'S NAME, DATE, SUBMITTAL NUMBER, AND INDICATE WHETHER IT IS A RESUBMITTAL. ALLOW FIVE BUSINESS DAYS FOR SUBMITTAL REVIEW AND COMMENT. THE CONTRACTOR SHALL NOT COMMENCE WITH THE STIPULATED WORK UNTIL IT HAS RECEIVED FAVORABLE REVIEW FROM THE OWNER'S REPRESENTATIVE.
10. GOVERNING SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION," MOST RECENT EDITION (HEREINAFTER REFERRED TO AS STANDARD SPECS), EXCEPT AS MODIFIED IN THE DRAWINGS OR THE TECHNICAL SPECIFICATIONS, OR AS DESCRIBED IN WRITING BY THE OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL CONFIRM DIMENSIONS OF ALL GRADING ACTIVITIES WITH THE OWNER'S REPRESENTATIVE BEFORE WORK COMMENCEMENT. IF DIMENSIONING IS UNCLEAR OR INSUFFICIENT CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.
12. CONTRACTOR TO FIELD INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS, ELEVATIONS, AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE PLANS, AND NOTIFY THE OWNER'S REPRESENTATIVE ABOUT ANY CONDITION REQUIRING MODIFICATION OR CHANGE PRIOR TO BIDDING. EXAMINE THE PLANS AND SPECIFICATIONS AND CLEARLY UNDERSTAND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO BIDDING. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR ANY EXTRA COST DUE TO THE CONTRACTOR'S FAILURE TO INFORM THE OWNER OF DISCREPANCIES IN TIME TO ISSUE CORRECTIVE ADDENDA PRIOR TO BIDDING.

ACCESS AND STAGING

13. PRIOR TO CONSTRUCTION, THE LIMITS OF WORK FOR CONSTRUCTION, ACCESS AND STAGING WILL BE CLEARLY DELINEATED IN THE FIELD WITH TEMPORARY CONSTRUCTION FENCING, FLAGGING OR STAKES TO ENSURE THAT ALL PROJECT ACTIVITIES ARE RESTRICTED TO AUTHORIZED AREAS.
14. THE CONTRACTOR SHALL ONLY OPERATE EQUIPMENT ON ACCESS ROUTES, STAGING AREAS AND WITHIN PROJECT LIMITS INDICATED ON THE DRAWINGS.
15. A PRELIMINARY STAGING AREA IS SHOWN ON THE PLANS. CONTRACTOR SHALL OBTAIN OWNER APPROVAL FOR FINAL STAGING AREA PRIOR TO MOBILIZATION.
16. ALL TRAFFIC CONTROL REQUIRED FOR CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

UTILITIES

17. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE AGENCIES AND THE UNDERGROUND SERVICE ALERT TO FIELD LOCATE ALL UNDERGROUND UTILITIES.
18. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1–800–227–2600, OR 811, 48 HOURS PRIOR TO ANY START OF CONSTRUCTION.

ENVIRONMENTAL PROTECTION

19. THE SEQUENCE AND TIMING OF CONSTRUCTION ARE RESTRICTED DUE TO THE PRESENCE OF THREATENED OR ENDANGERED SPECIES AND OTHER CONSTRAINTS – SEE SPECIFICATIONS AND PERMITS.
20. THE CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER THAT COMPLIES WITH ALL PERMITS AND IS PROTECTIVE OF THE ENVIRONMENT, INCLUDING AIR AND WATER QUALITY, WILDLIFE, VEGETATION, AND HUMAN HEALTH.
21. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING VEGETATION, STRUCTURES AND UTILITIES DURING CONSTRUCTION.
22. THE CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT WIND– OR WATER–BORNE EROSION, AND SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
23. FLOW MAY BE PRESENT WITHIN THE PROJECT REACH DURING CONSTRUCTION. IF THERE IS STREAM FLOW WITHIN THE WORK AREA, THE CONTRACTOR SHALL INSTALL A COFFER DAM AND BYPASS SYSTEM OR EQUIVALENT TO ROUTE FLOWS AROUND THE WORK AREA.
24. CONTRACTOR SHALL ELIMINATE OR MINIMIZE NON–STORM DRAINAGE FROM THE CONSTRUCTION SITE TO OTHER WATER BODIES. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT MINIMIZES, TO THE EXTENT PRACTICABLE, ANY POLLUTANTS ENTERING DIRECTLY OR INDIRECTLY INTO SURFACE OR GROUND WATER. ALL MATERIALS THAT COULD CAUSE WATER POLLUTION (I.E., MOTOR OIL, FUELS, PAINTS, ETC.) SHALL BE STORED AND USED IN A MANNER THAT WILL NOT CAUSE ANY POLLUTION. ALL DISCHARGED MATERIAL AND ANY ACCIDENTAL SPILLS SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL SITE.
25. PROTECT ALL EXISTING IMPROVEMENTS AND VEGETATION NOT SLATED FOR DEMOLITION. PLACE TEMPORARY FENCING, FLAGGING OR EQUIVALENT AT THE PERIMETER OF ALL VEGETATED AREAS AND/OR INDIVIDUAL TREES TO BE PRESERVED, AND ANY OTHER IMPROVEMENTS ONSITE.
26. RESTORE ALL DISTURBED UPLAND AREAS BY SEEDING AND APPLYING EROSION CONTROL MEASURES.

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

GENERAL NOTES LEGEND ABBREVIATIONS AND SYMBOLS

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

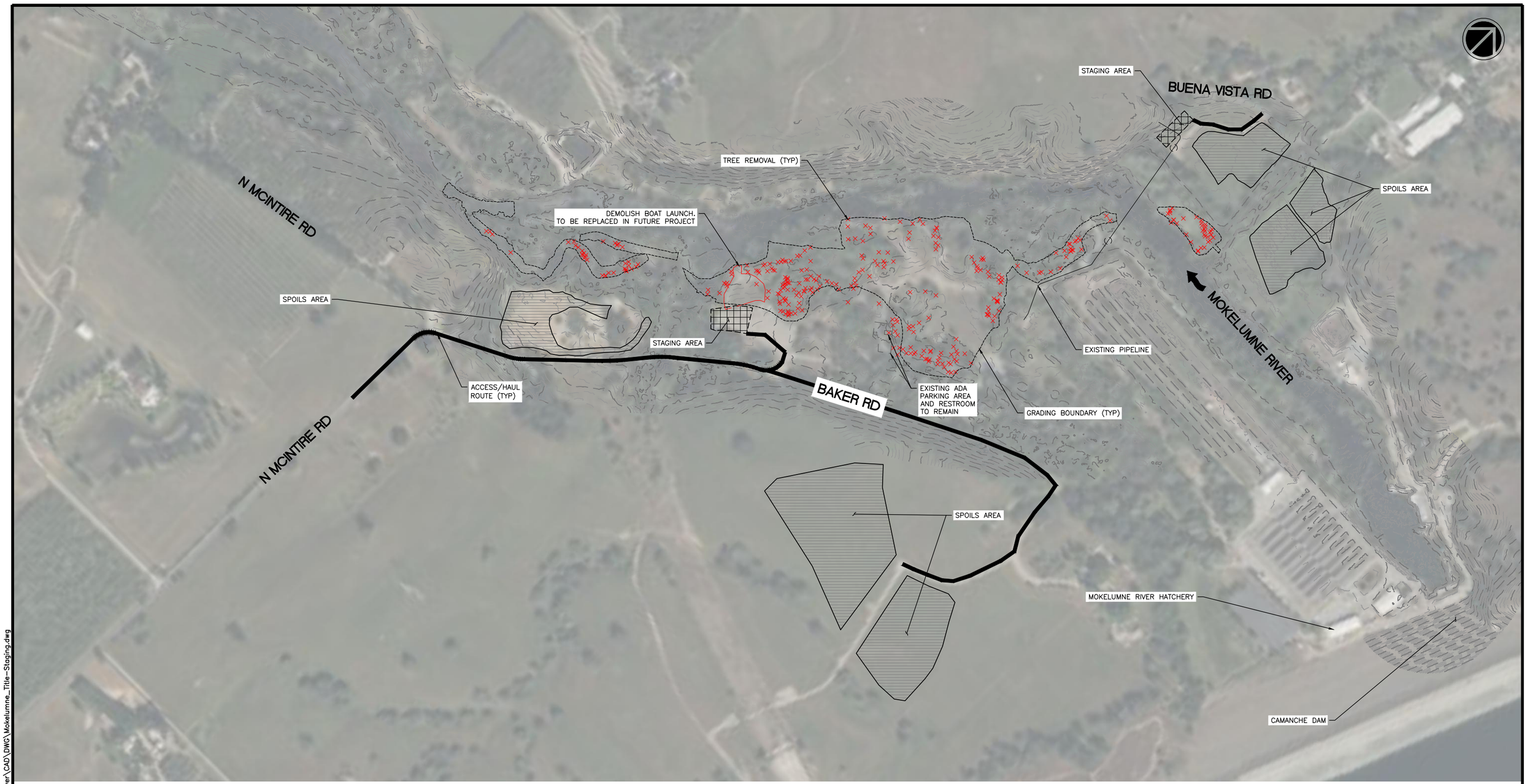
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 2 OF 31

DRAWING NO. G2

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Title-Staging.dwg



DAY USE AREA STAGING, ACCESS, AND DEMO PLAN

SCALE: 1" = 200'

0 100' 200' 400'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA STAGING AND ACCESS PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

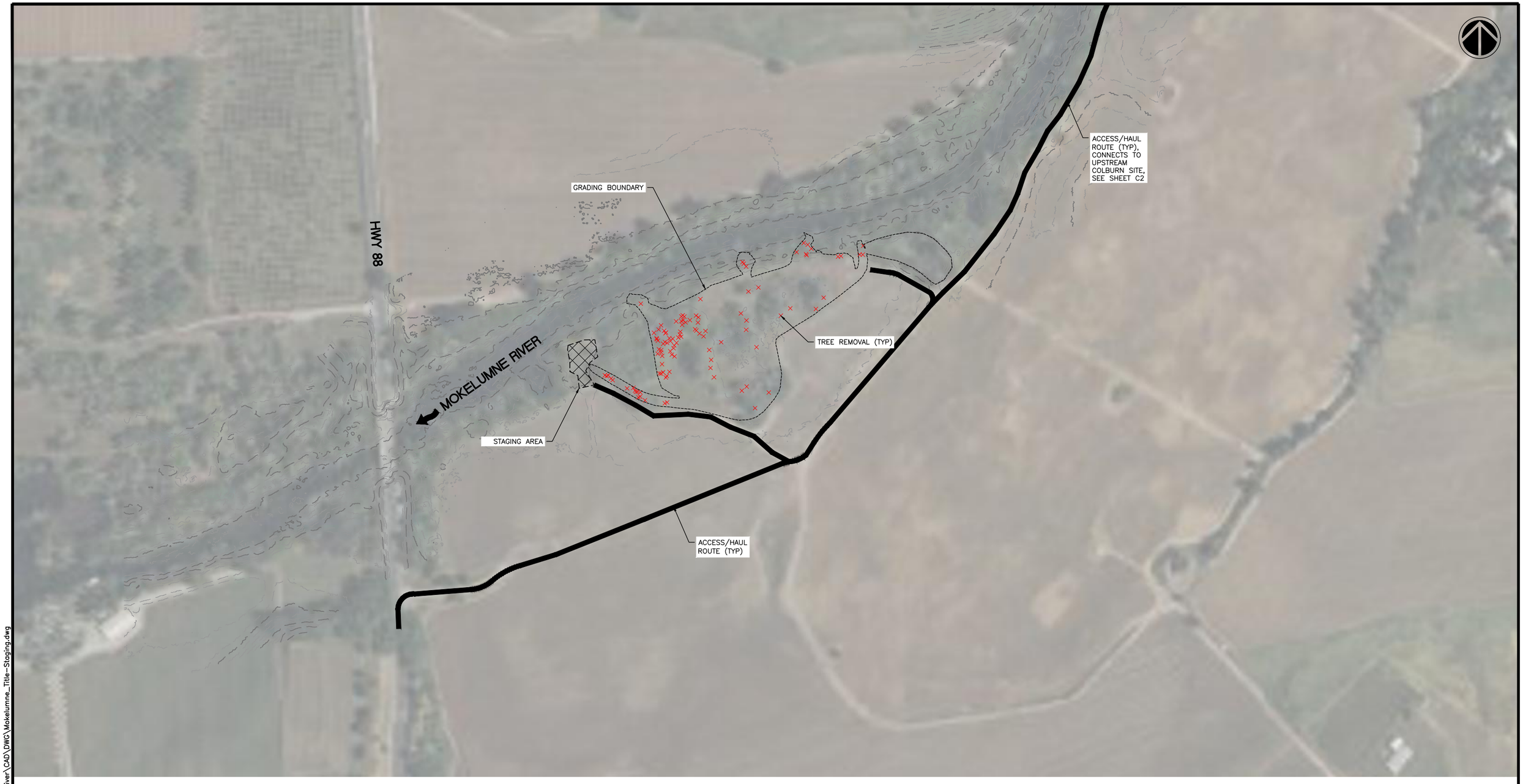
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 3 OF 31

DRAWING NO. C1

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Title-Staging.dwg



COLBURN DOWNSTREAM STAGING, ACCESS, AND DEMO PLAN

SCALE: 1" = 150'

0 75' 150' 300'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM STAGING AND ACCESS PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

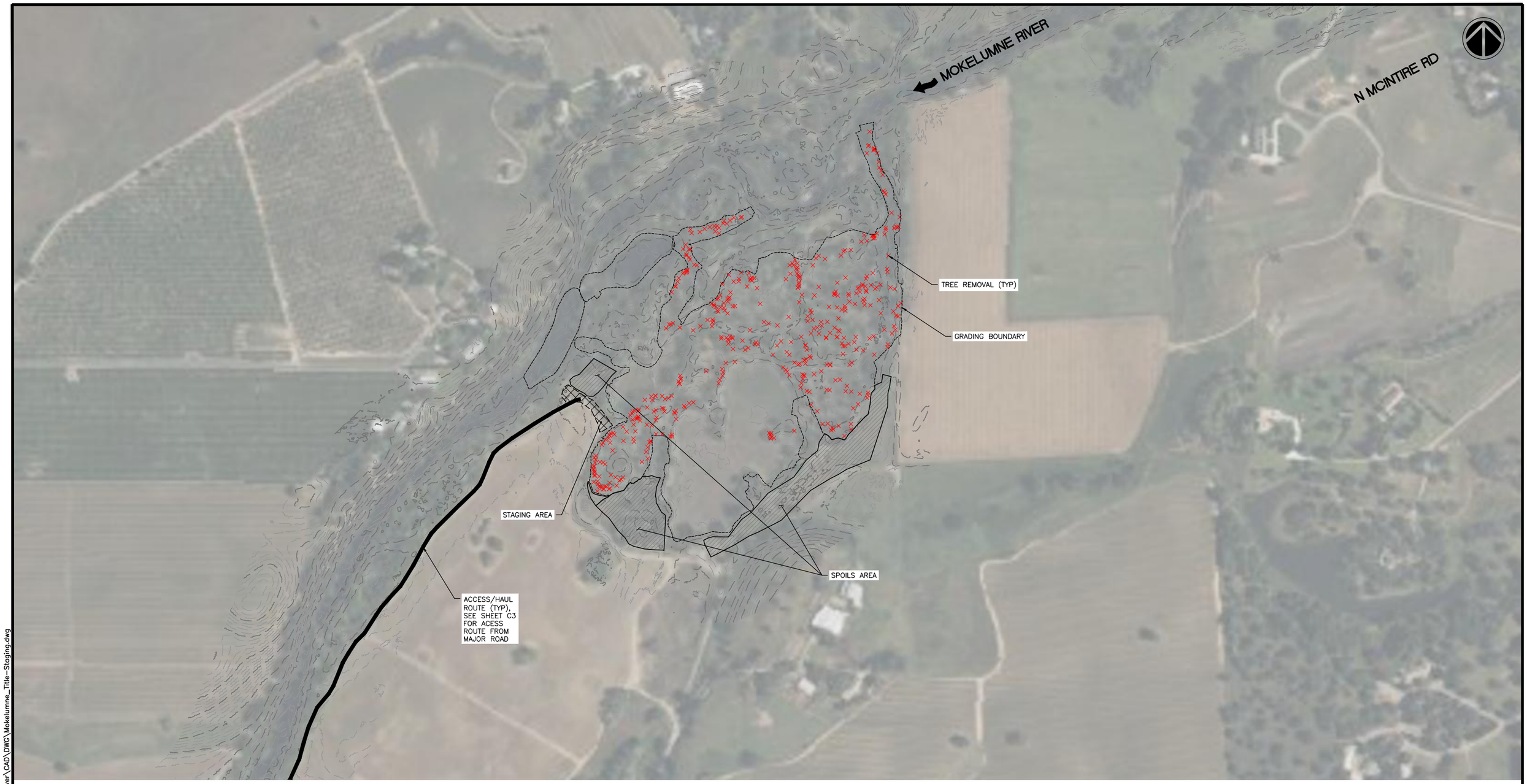
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 4 OF 31

DRAWING NO. C2

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Title-Staging.dwg



COLBURN UPSTREAM STAGING, ACCESS, AND DEMO PLAN

SCALE: 1" = 200'

0 100' 200' 400'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM STAGING AND ACCESS PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

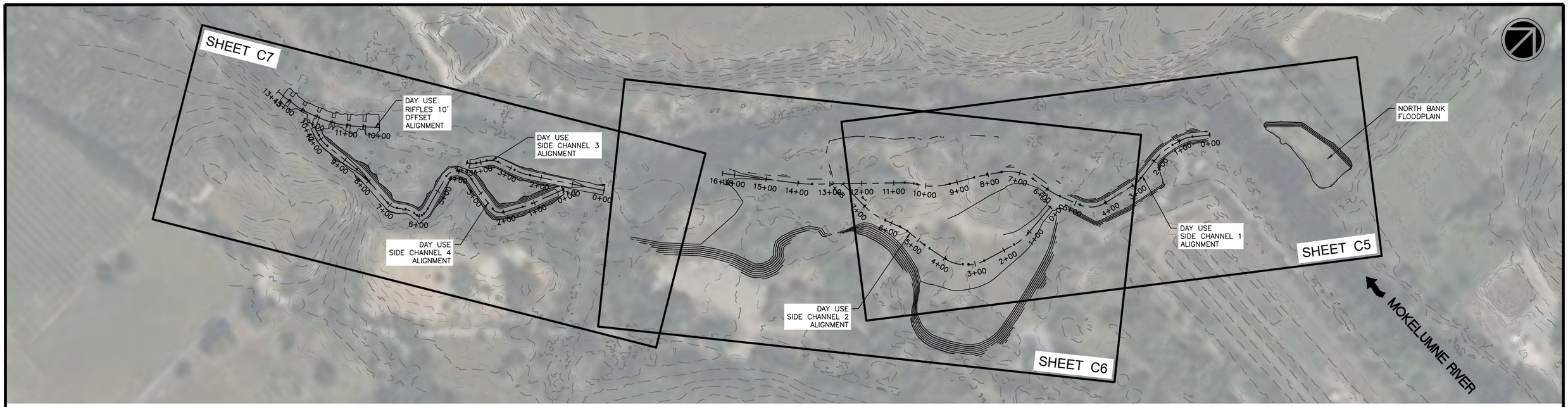
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 5 OF 31

DRAWING NO. C3

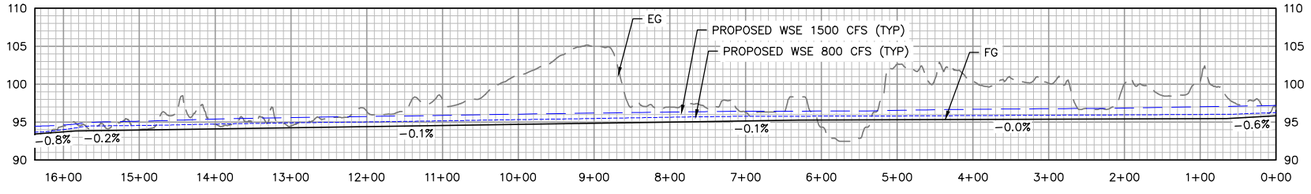
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Title-Staging.dwg



DAY USE AREA OVERVIEW

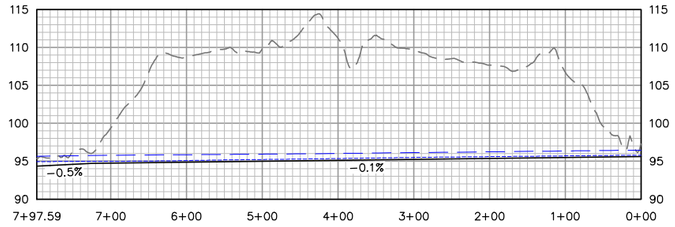
SCALE: 1" = 150'

0 75' 150' 300'



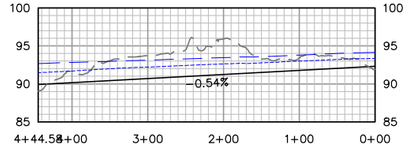
DAY USE SIDE CHANNEL 1 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



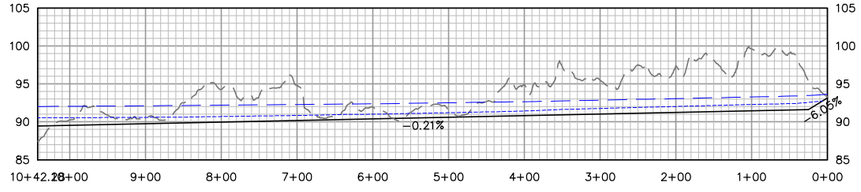
DAY USE SIDE CHANNEL 2 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



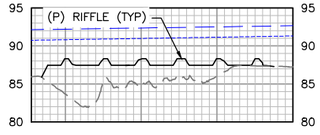
DAY USE SIDE CHANNEL 3 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



DAY USE SIDE CHANNEL 4 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



DAY USE RIFFLES AREA GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA OVERVIEW

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

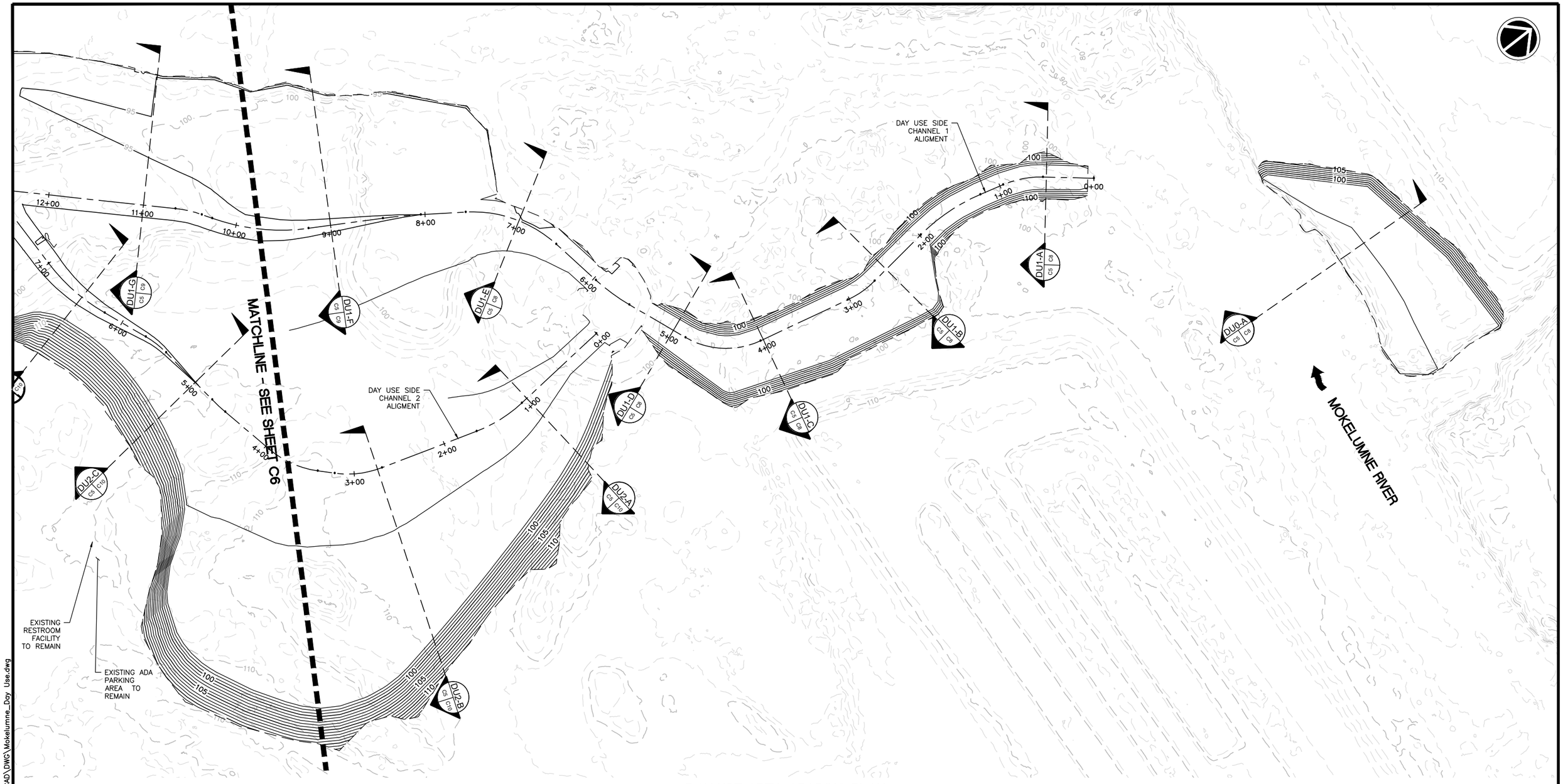
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 6 OF 31

DRAWING NO. C4

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



DAY USE AREA GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA GRADING PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

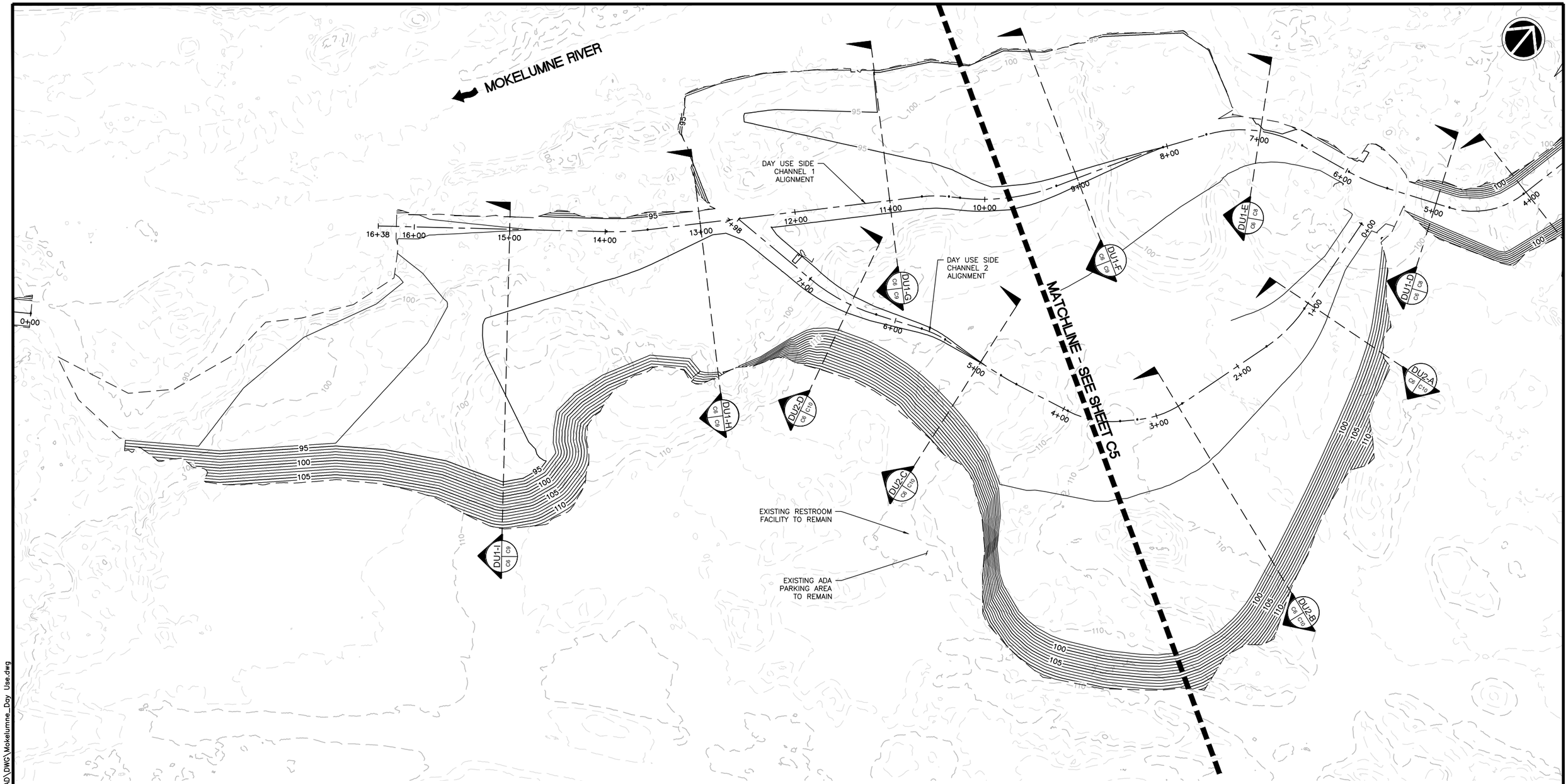
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 7 OF 31

DRAWING NO. C5

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day_Use.dwg



DAY USE AREA GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA GRADING PLAN (2)

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

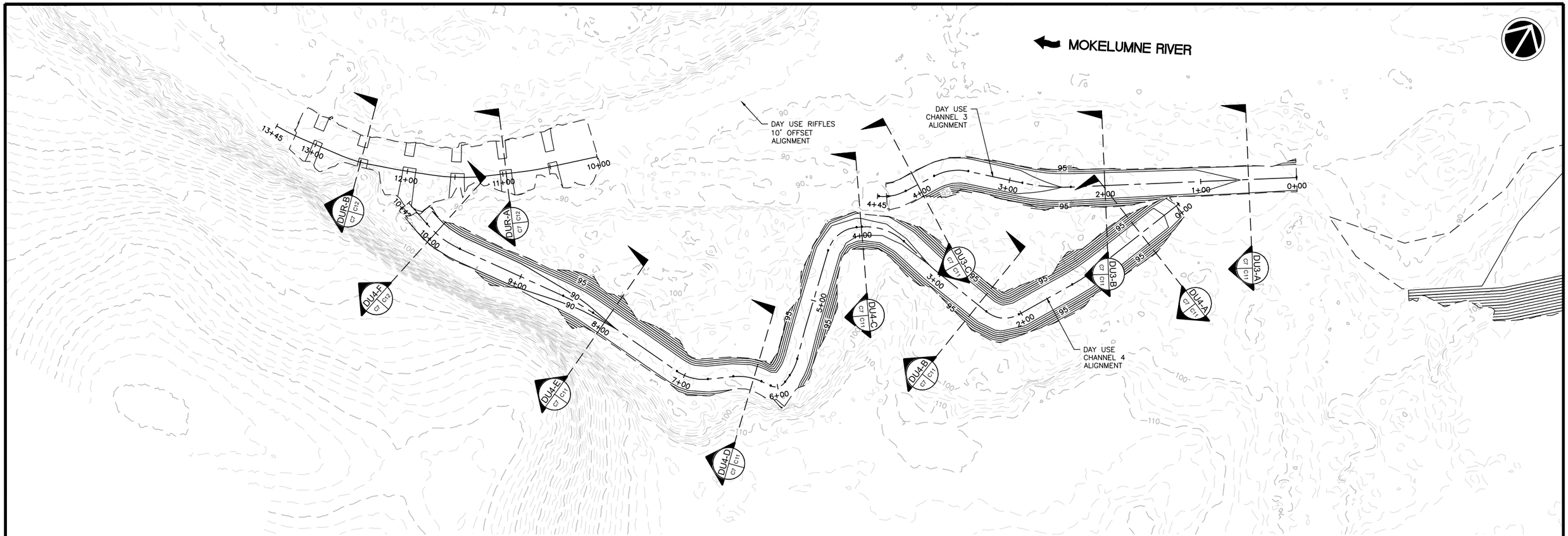
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 8 OF 31

DRAWING NO. C6

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



DAY USE AREA GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA GRADING PLAN (3)

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

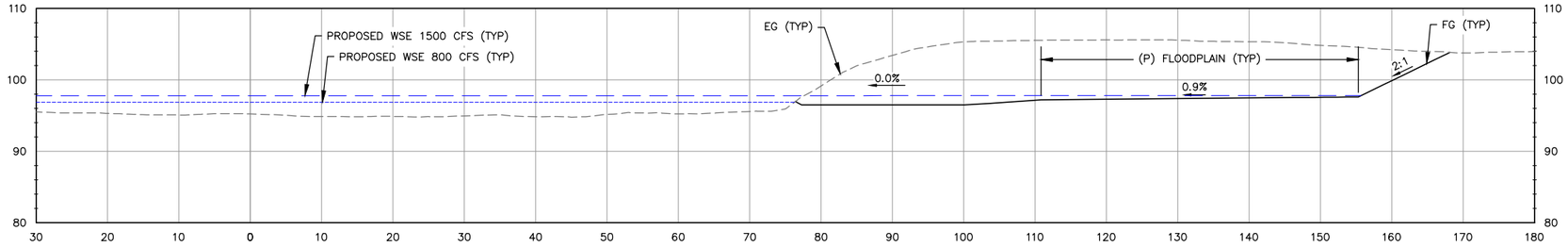
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

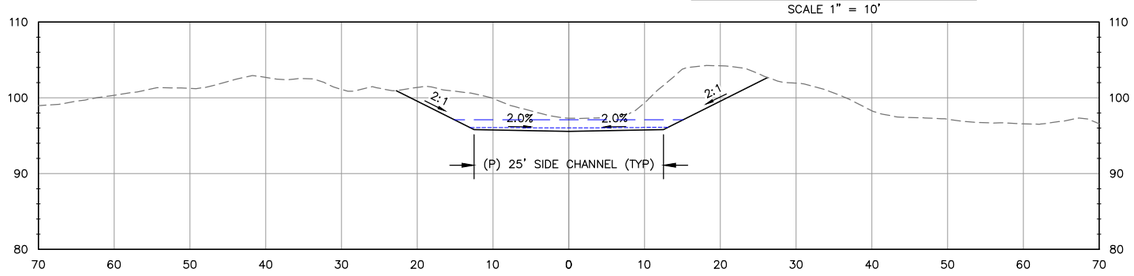
SHEET NO. 9 OF 31

DRAWING NO. C7

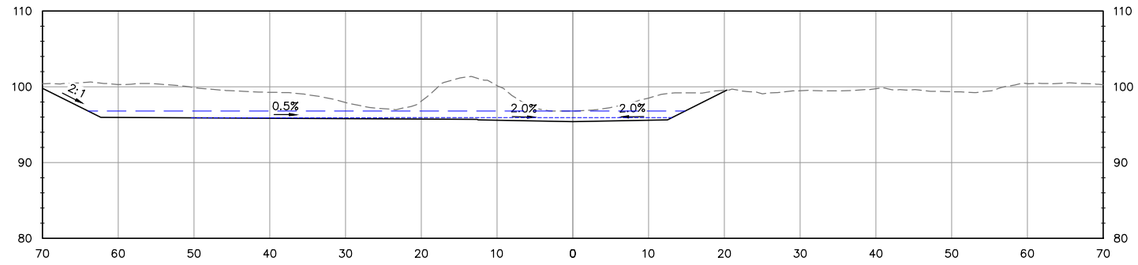
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



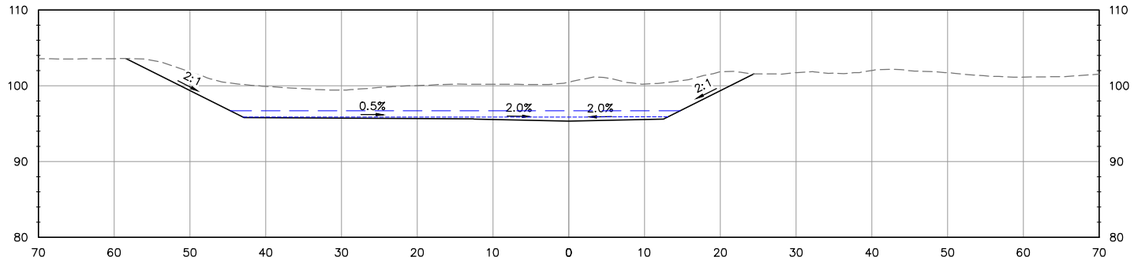
SECTION DU0-A - STA 1+56
SCALE 1" = 10'



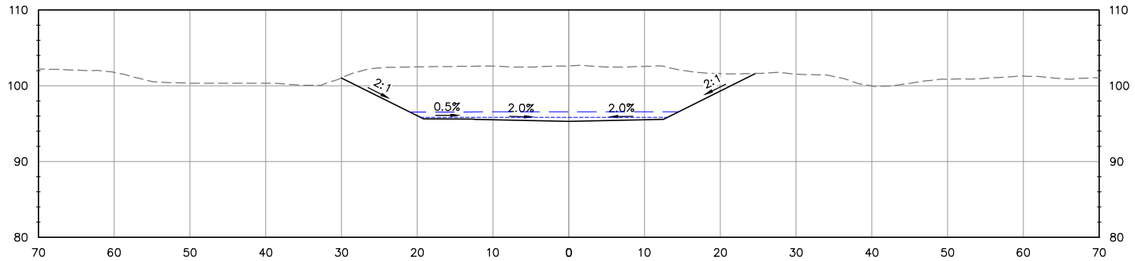
SECTION DU1-A - STA 0+50
SCALE 1" = 10'



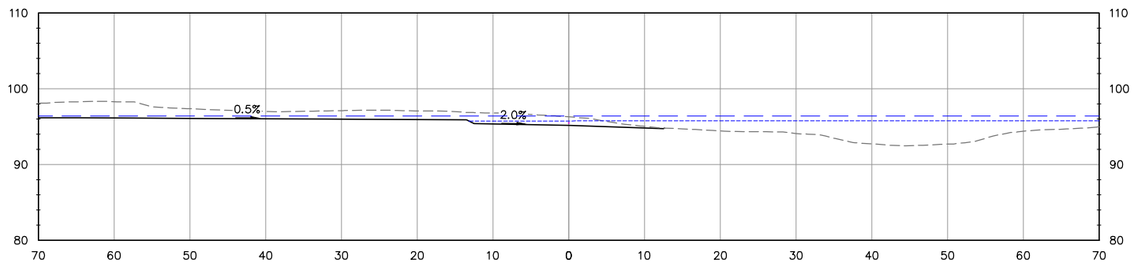
SECTION DU1-B - STA 2+50
SCALE 1" = 10'



SECTION DU1-C - STA 4+00
SCALE 1" = 10'



SECTION DU1-D - STA 5+00
SCALE 1" = 10'



SECTION DU1-E - STA 7+00
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA SECTIONS

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

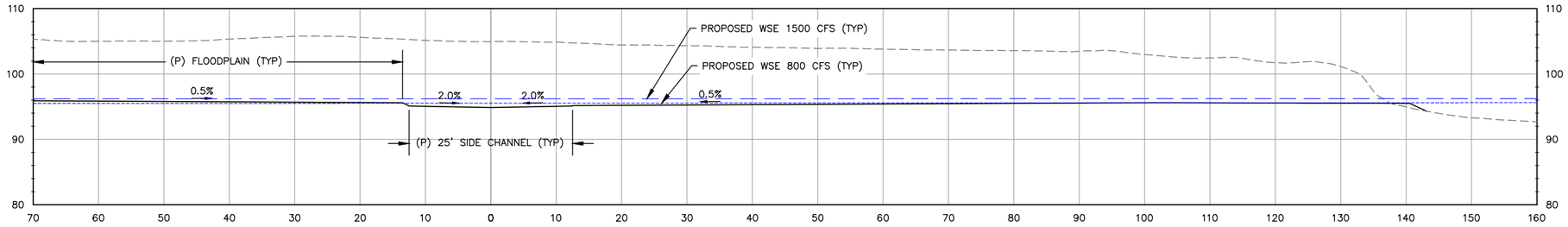
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO.
10 OF 31

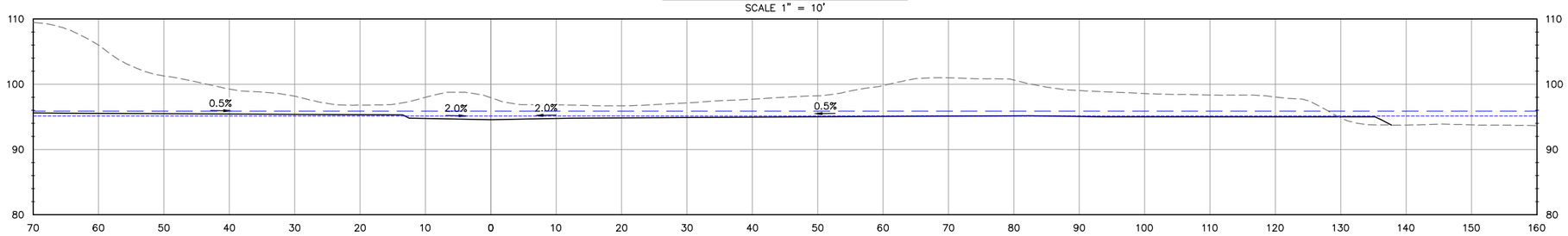
DRAWING NO.
C8

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



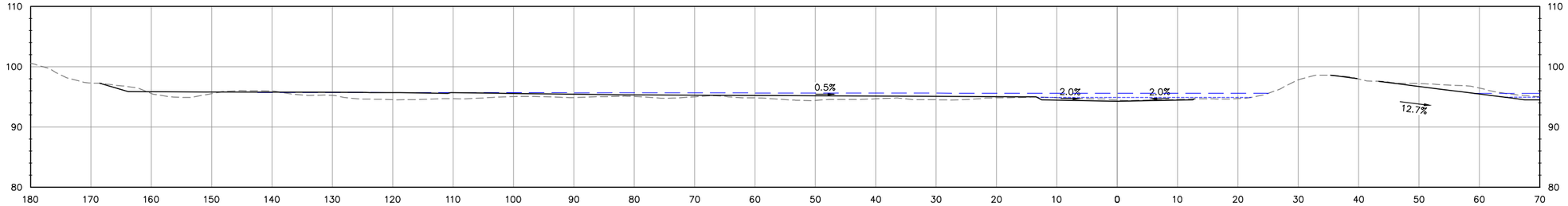
SECTION DU1-F - STA 9+00

SCALE 1" = 10'



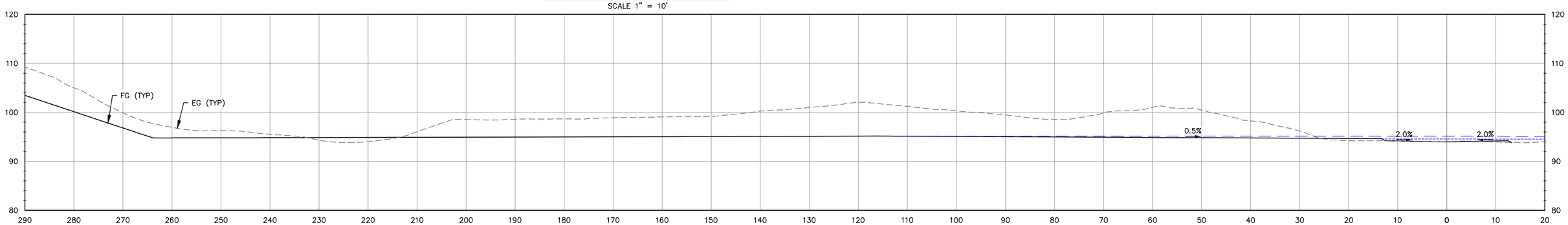
SECTION DU1-G - STA 11+00

SCALE 1" = 10'



SECTION DU1-H - STA 13+00

SCALE 1" = 10'



SECTION DU1-I - STA 15+00

SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA SECTIONS (2)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

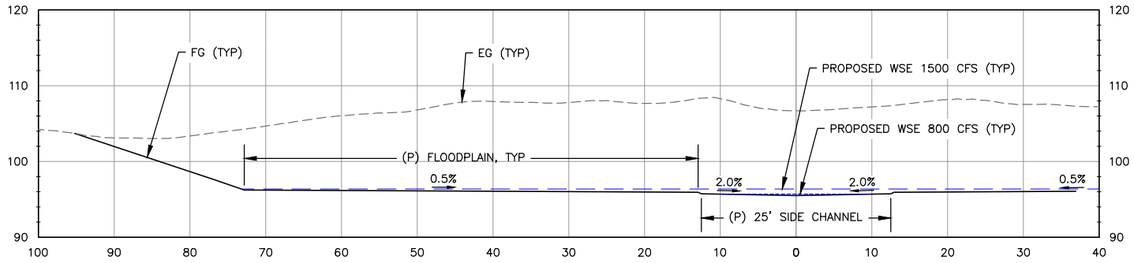
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 11 OF 31

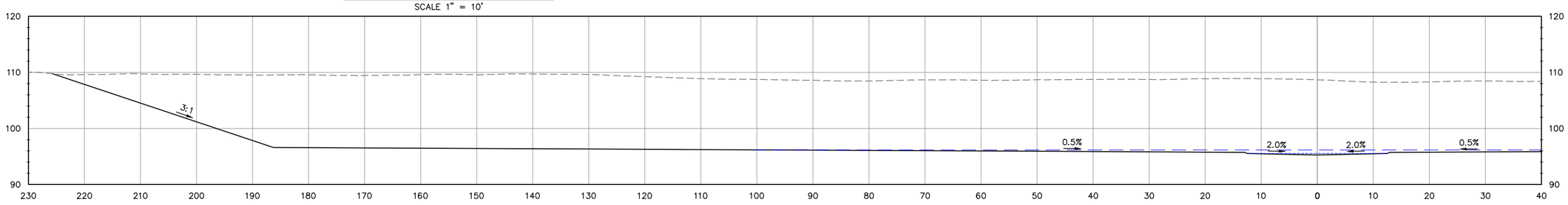
DRAWING NO. C9

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



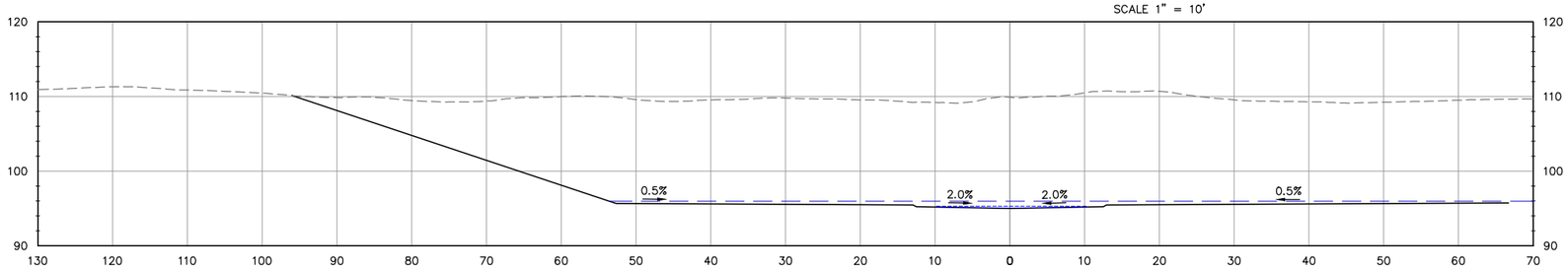
SECTION DU2-A - STA 1+00

SCALE 1" = 10'



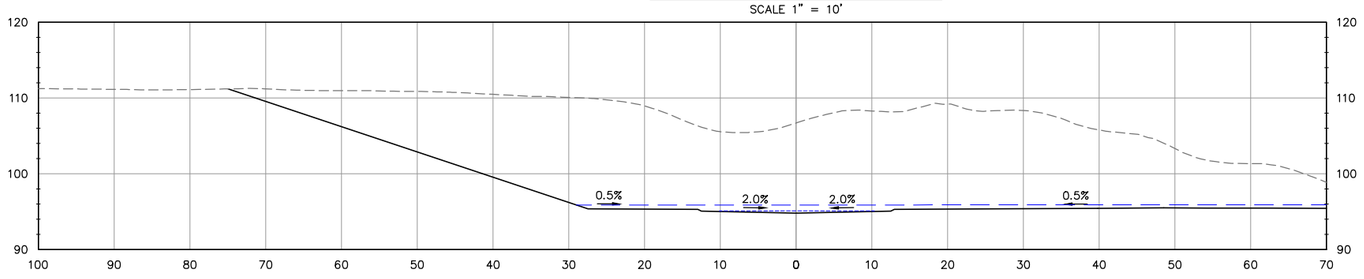
SECTION DU2-B - STA 3+00

SCALE 1" = 10'



SECTION DU2-C - STA 5+00

SCALE 1" = 10'



SECTION DU2-D - STA 7+00

SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA SECTIONS (3)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

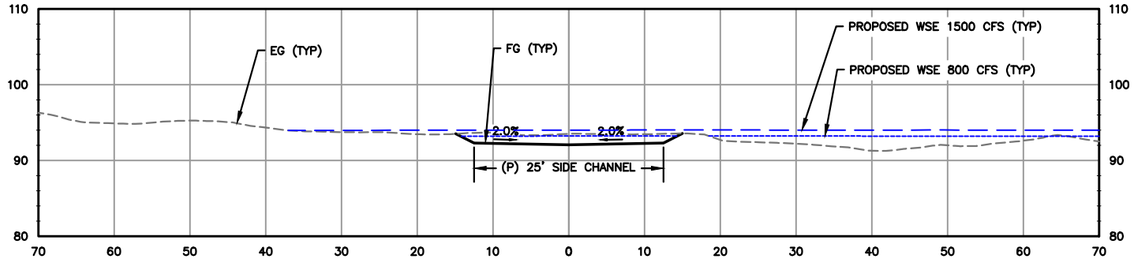
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 12 OF 31

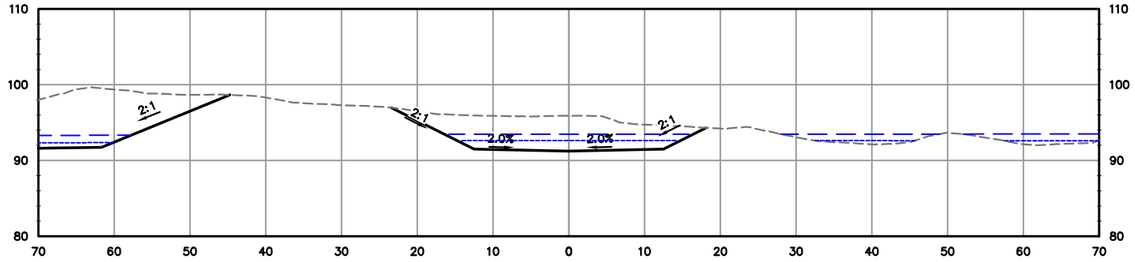
DRAWING NO. C10

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



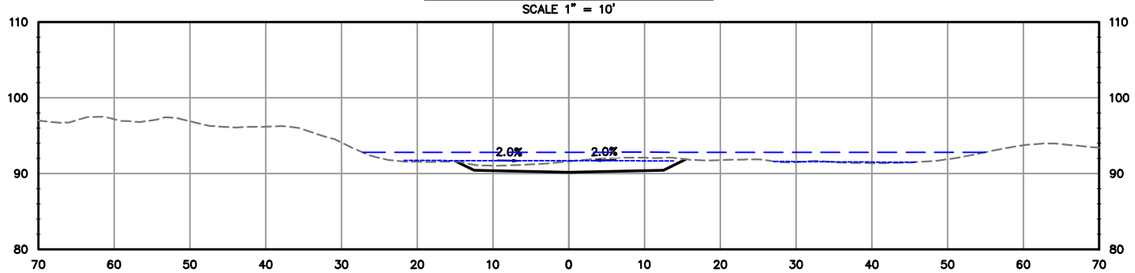
SECTION DU3-A - STA 0+50

SCALE 1" = 10'



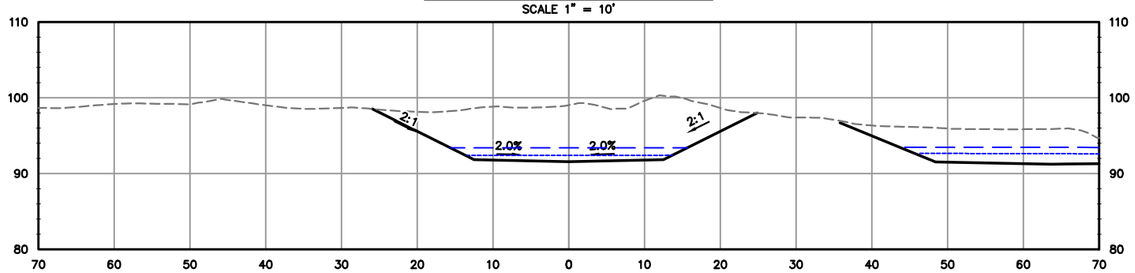
SECTION DU3-B - STA 2+00

SCALE 1" = 10'



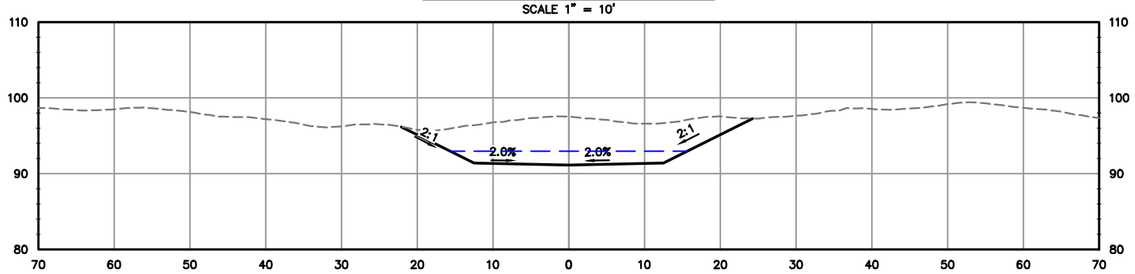
SECTION DU3-C - STA 4+00

SCALE 1" = 10'



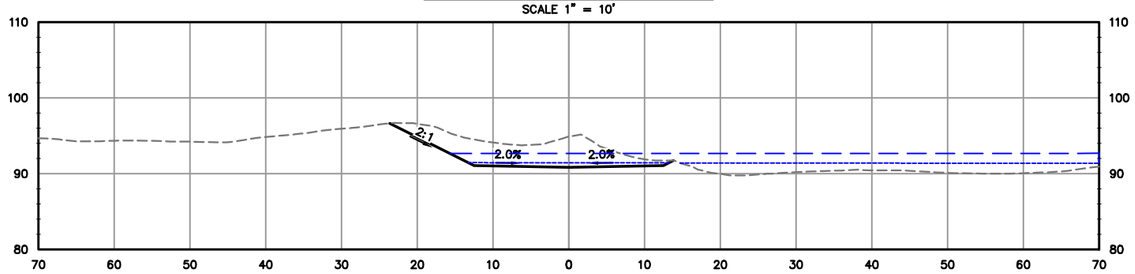
SECTION DU4-A - STA 0+50

SCALE 1" = 10'



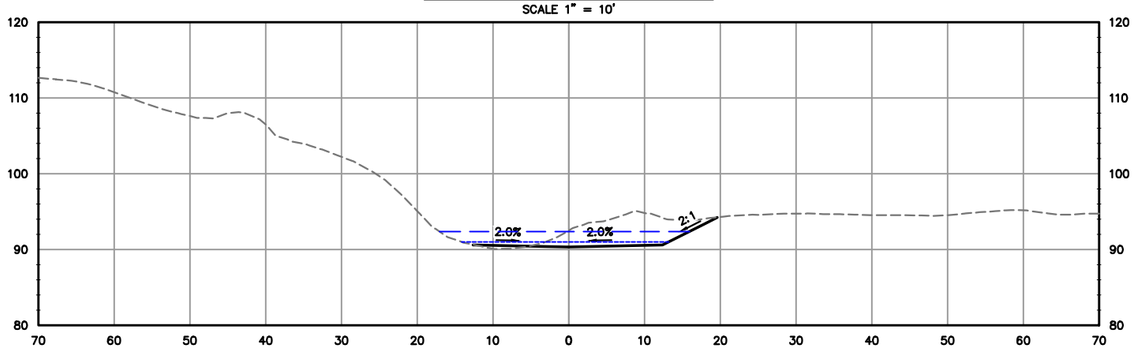
SECTION DU4-B - STA 2+50

SCALE 1" = 10'



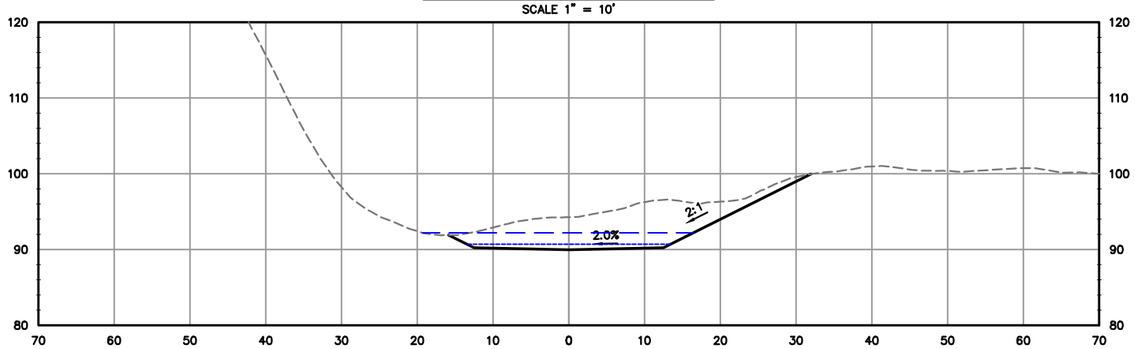
SECTION DU4-C - STA 4+00

SCALE 1" = 10'



SECTION DU4-D - STA 6+00

SCALE 1" = 10'



SECTION DU4-E - STA 8+00

SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA SECTIONS (4)

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

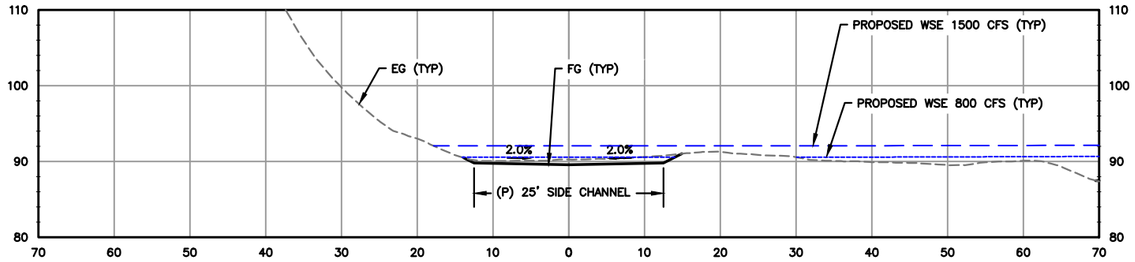
DRAWN BY:	DNA
CHECKED BY:	PFRANK

DATE: 9/1/2026

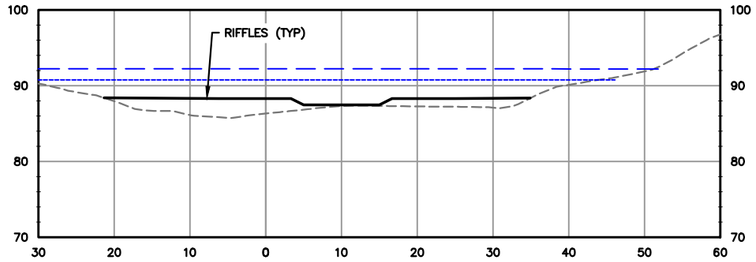
SHEET NO. 13 OF 31

DRAWING NO. C11

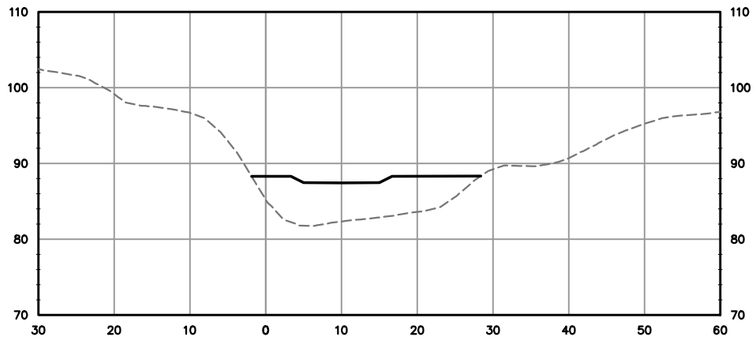
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



SECTION DU4-F - STA 10+00
SCALE 1" = 10'



SECTION DUR-A - STA 10+96
SCALE 1" = 10'



SECTION DUR-B - STA 12+50
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA SECTIONS (5)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

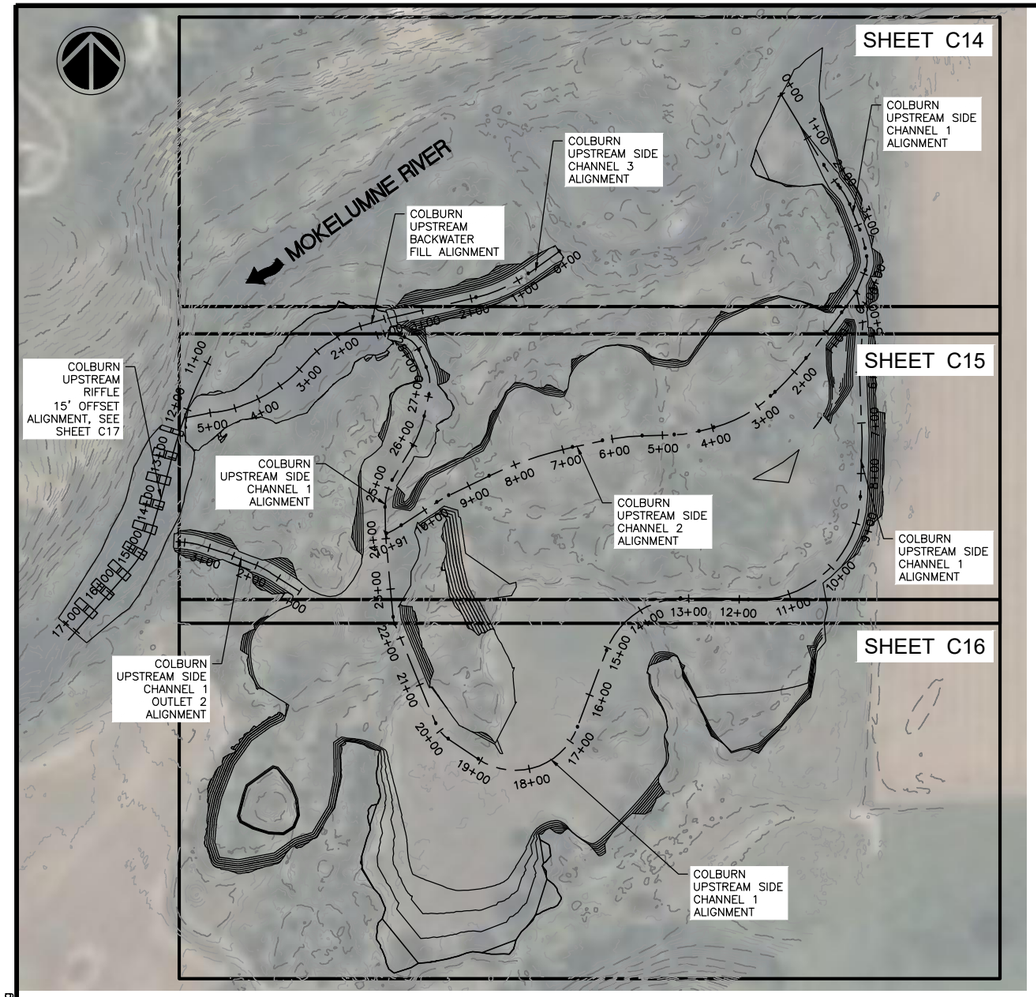
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 14 OF 31

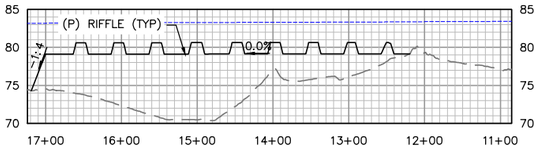
DRAWING NO. C12

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Day Use.dwg



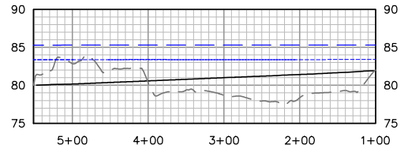
COLBURN UPSTREAM OVERVIEW

SCALE: 1" = 150'
0 75' 150' 300'



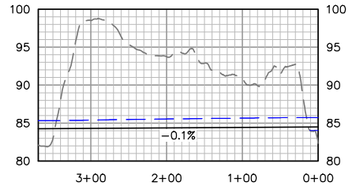
COLBURN UPSTREAM RIFFLES GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



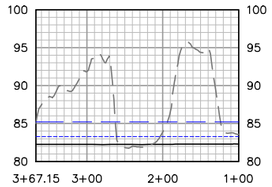
COLBURN UPSTREAM BACKWATER FILL GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



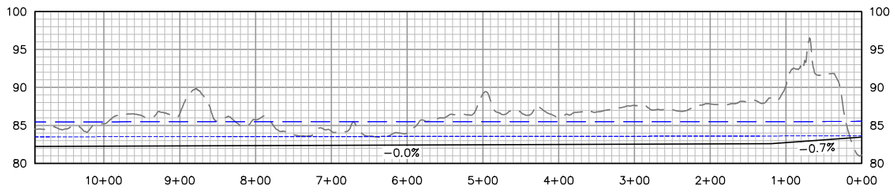
COLBURN UPSTREAM SIDE CHANNEL 3 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



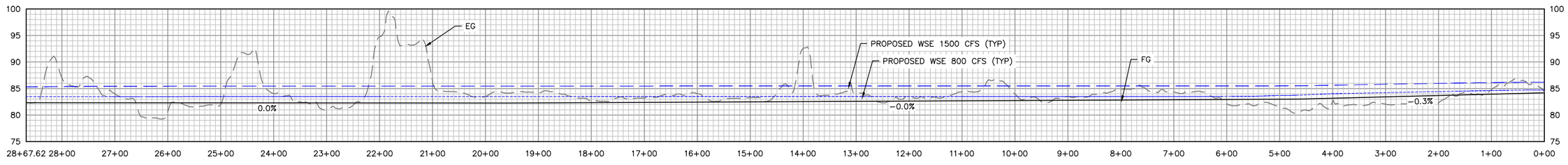
COLBURN UPSTREAM SIDE CHANNEL 1 OUTLET 2 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



COLBURN UPSTREAM SIDE CHANNEL 2 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



COLBURN UPSTREAM SIDE CHANNEL 1 GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM OVERVIEW

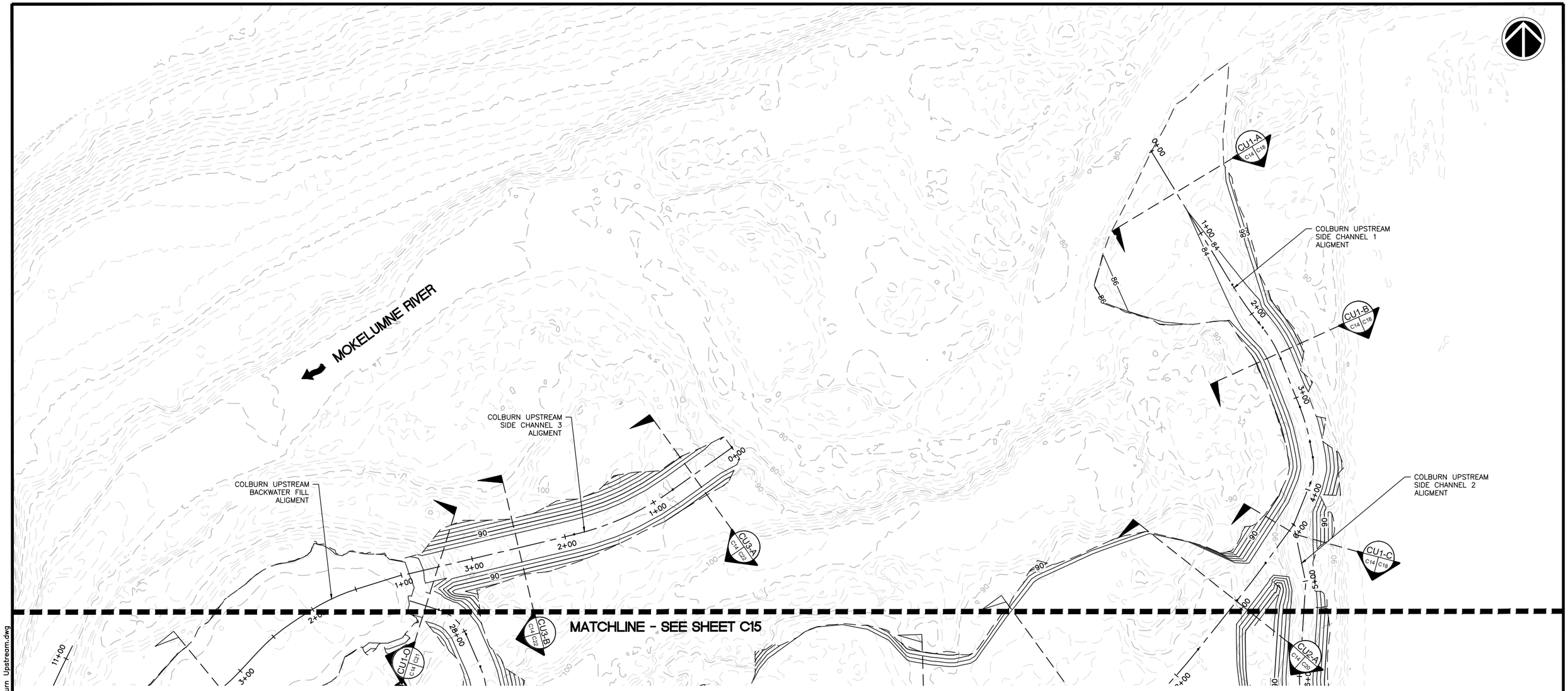
MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 15 OF 31
DRAWING NO. C13

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



COLBURN UPSTREAM GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM GRADING PLAN

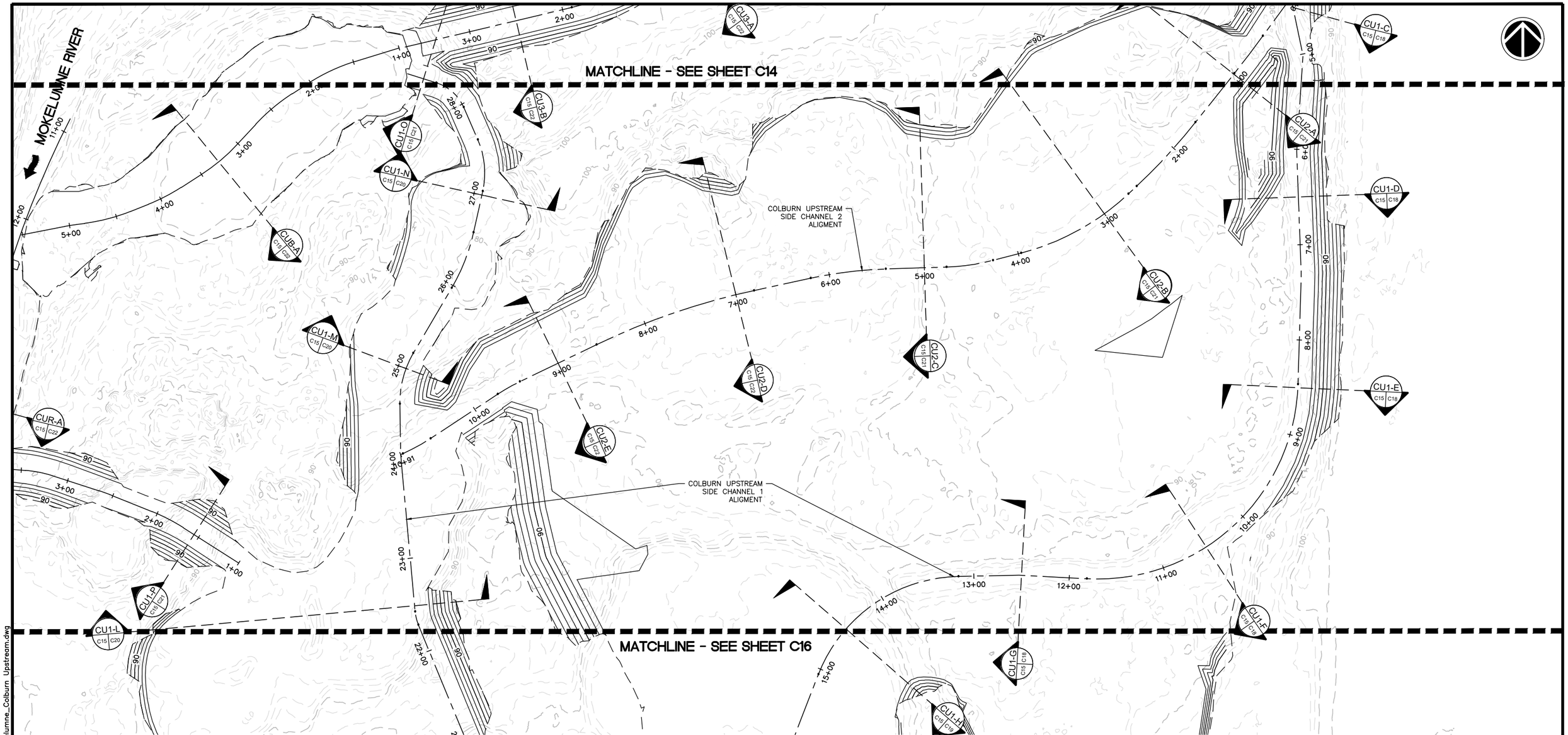
MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 16 OF 31

DRAWING NO. C14



COLBURN UPSTREAM GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM GRADING PLAN (2)

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 17 OF 31
DRAWING NO. C15

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg

MATCHLINE - SEE SHEET C15

CU1-L C16 C20
CU1-P C16 C21
CU1-K1 C16 C20
CU1-K2 C16 C20
CU1-J1 C16 C19
CU1-J2 C16 C19
CU1-I C16 C19
CU1-H C16 C19
CU1-G C16 C18
CU1-F C16 C19

12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00

COLBURN UPSTREAM SIDE CHANNEL 1 ALIGNMENT

COLBURN UPSTREAM GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM GRADING PLAN (3)

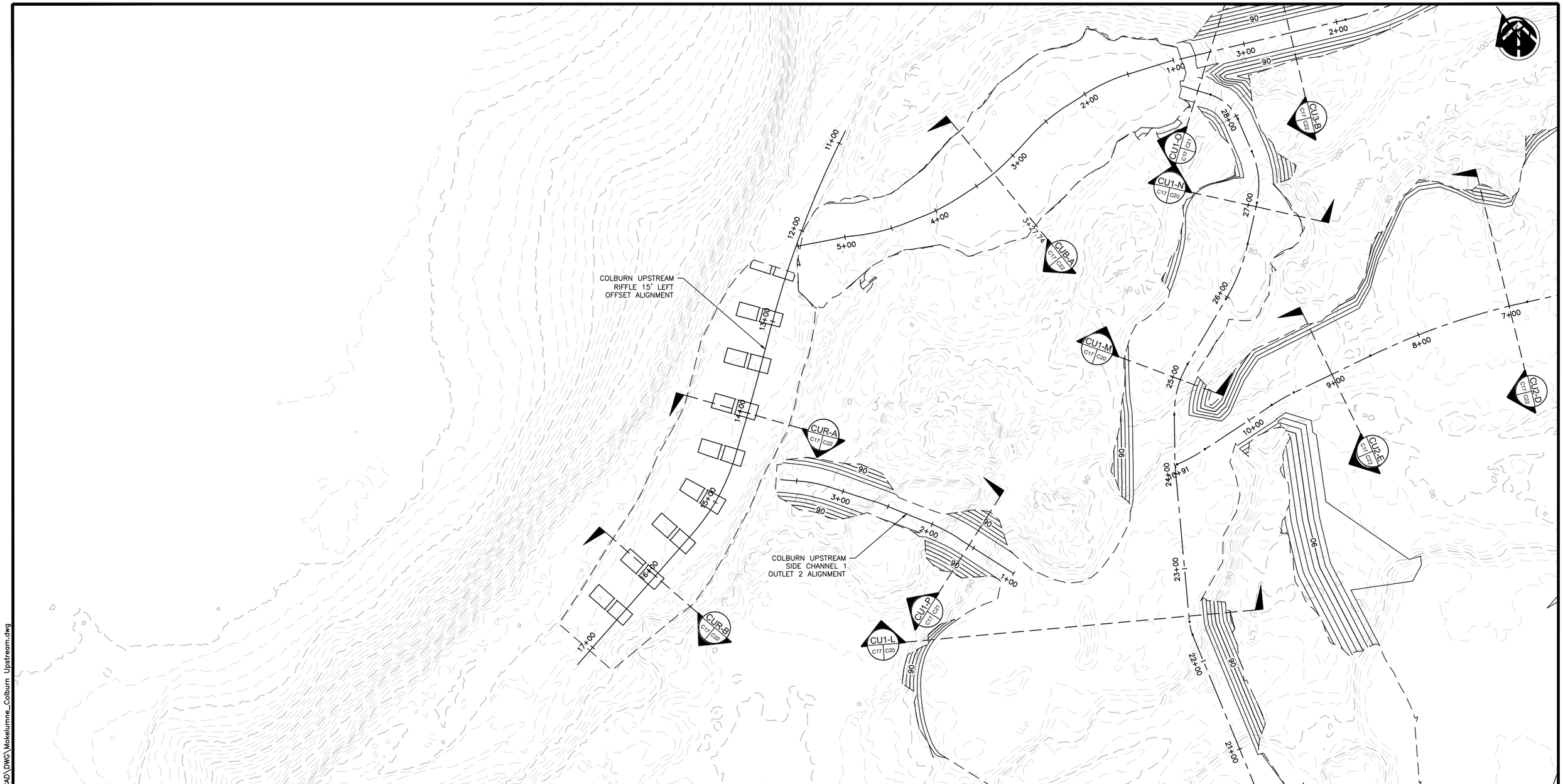
MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 18 OF 31
DRAWING NO. C16

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



COLBURN UPSTREAM RIFFLES GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM GRADING PLAN (4)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

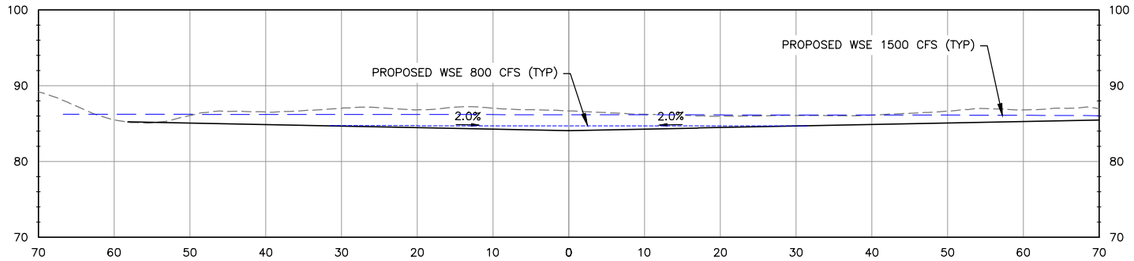
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

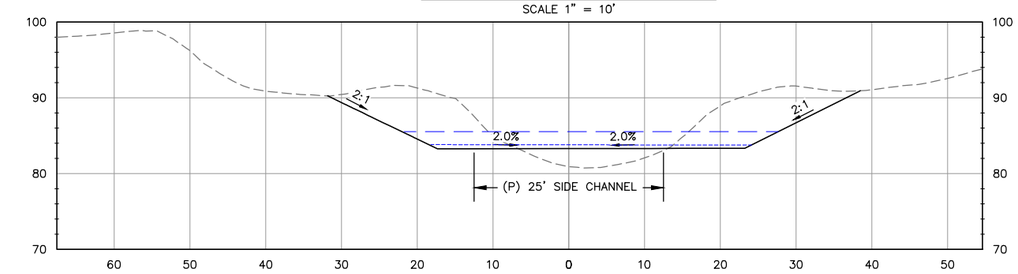
SHEET NO. 19 OF 31

DRAWING NO. C17

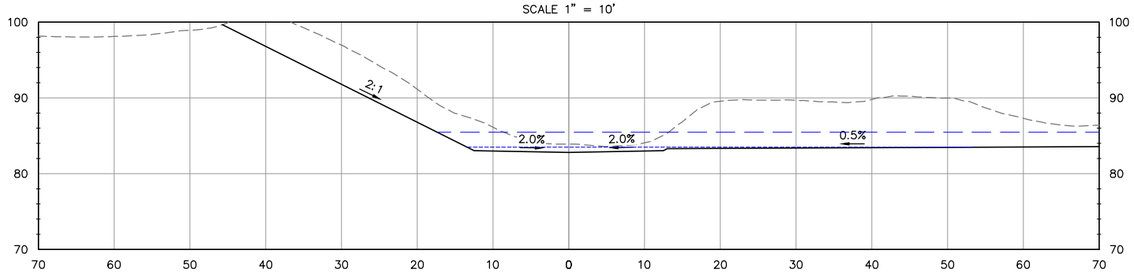
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



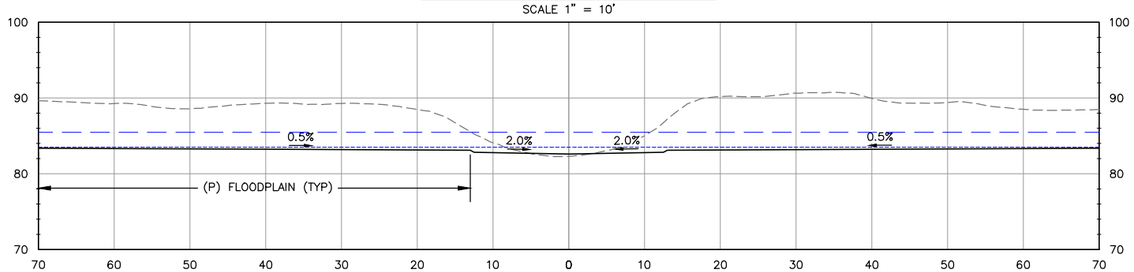
SECTION CU1-A - STA 0+50
SCALE 1" = 10'



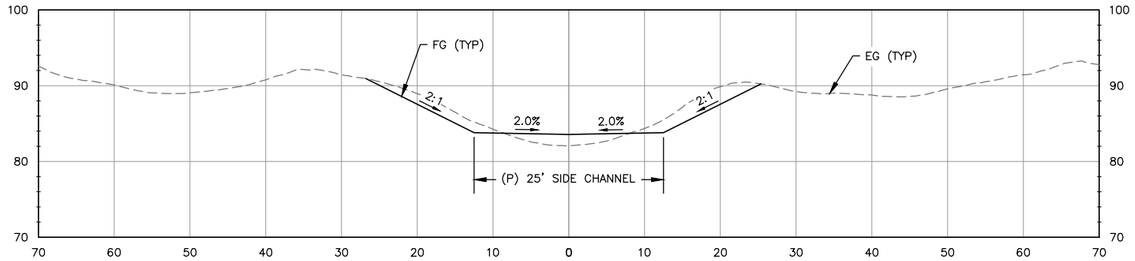
SECTION CU1-C - STA 4+50
SCALE 1" = 10'



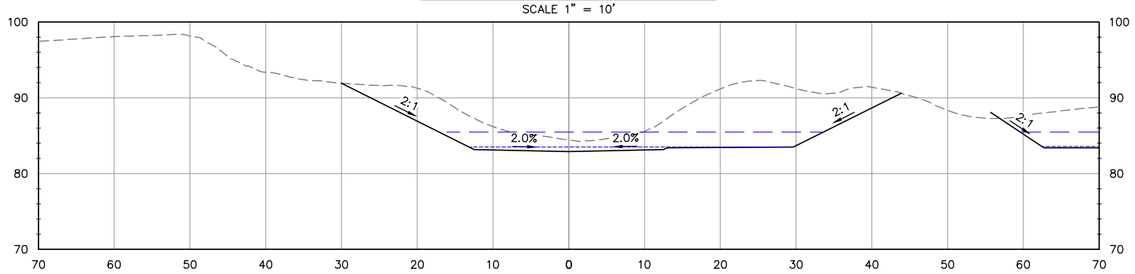
SECTION CU1-E - STA 8+50
SCALE 1" = 10'



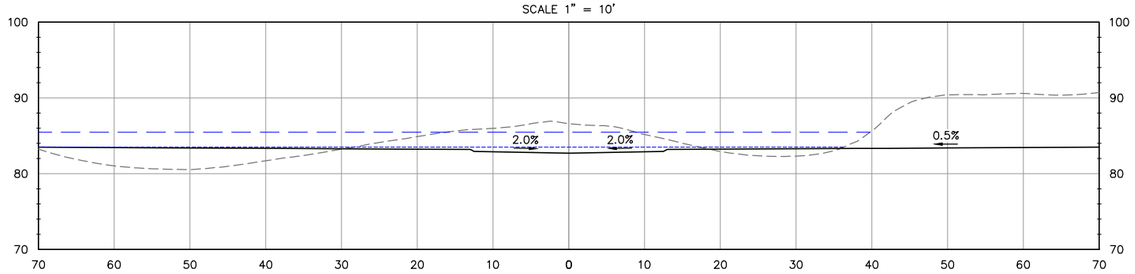
SECTION CU1-G - STA 12+50
SCALE 1" = 10'



SECTION CU1-B - STA 2+50
SCALE 1" = 10'



SECTION CU1-D - STA 6+50
SCALE 1" = 10'



SECTION CU1-F - STA 10+50
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM SECTIONS

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

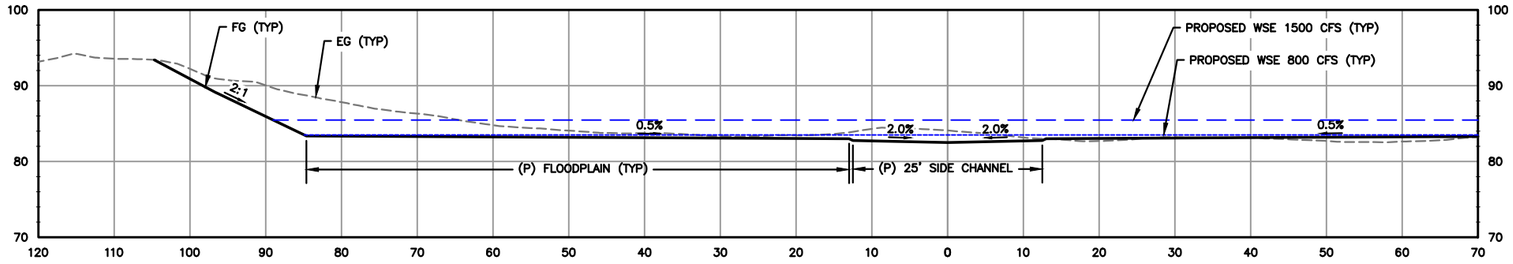
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 20 OF 31

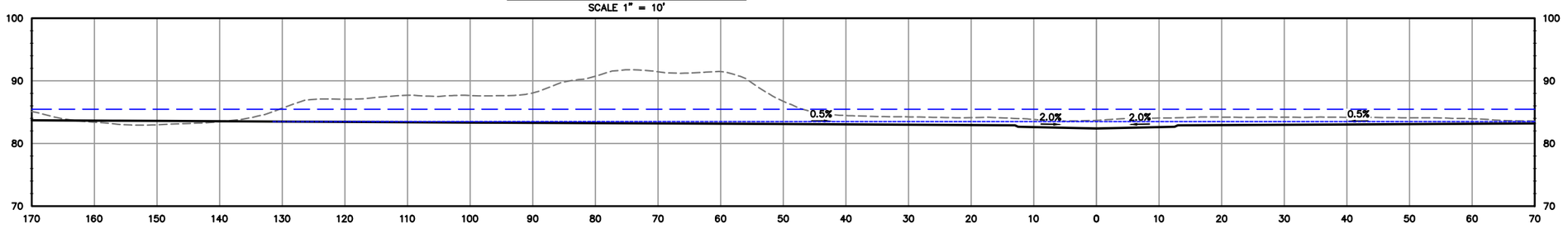
DRAWING NO. C18

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn Upstream.dwg



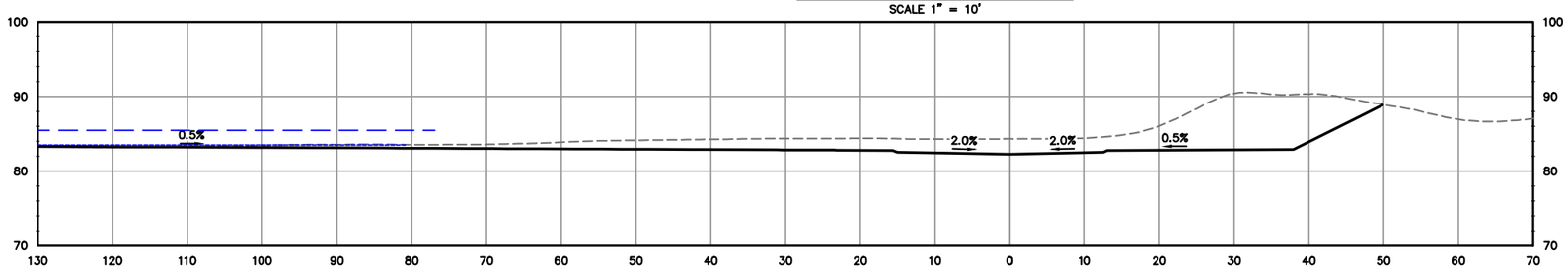
SECTION CU1-H - STA 14+50

SCALE 1" = 10'



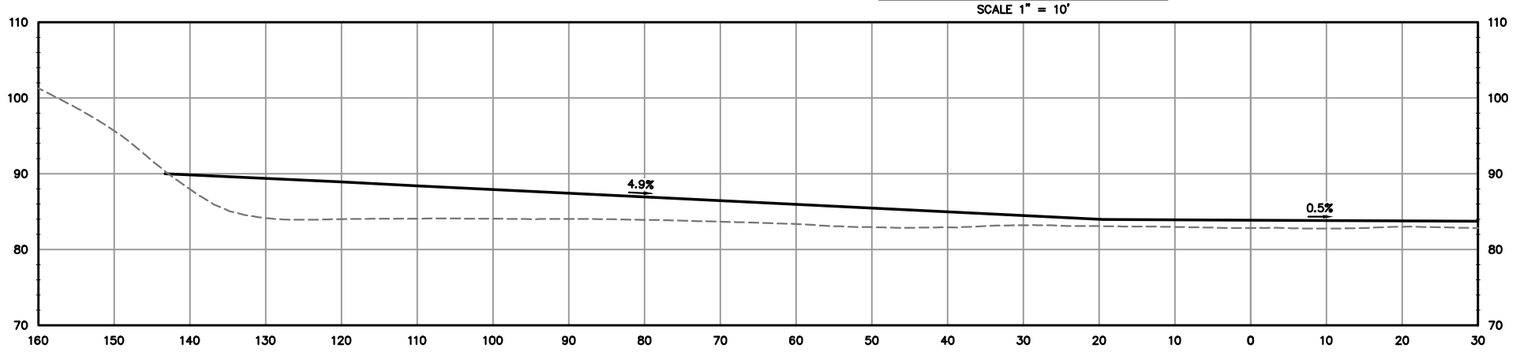
SECTION CU1-I - STA 16+50

SCALE 1" = 10'



SECTION CU1-J1 - STA 19+24

SCALE 1" = 10'



SECTION CU1-J2 - STA 19+24

SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM SECTIONS (2)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

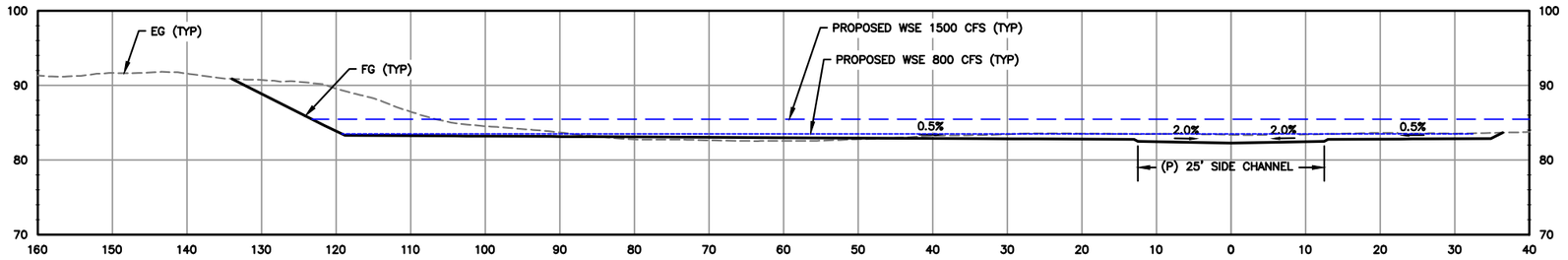
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

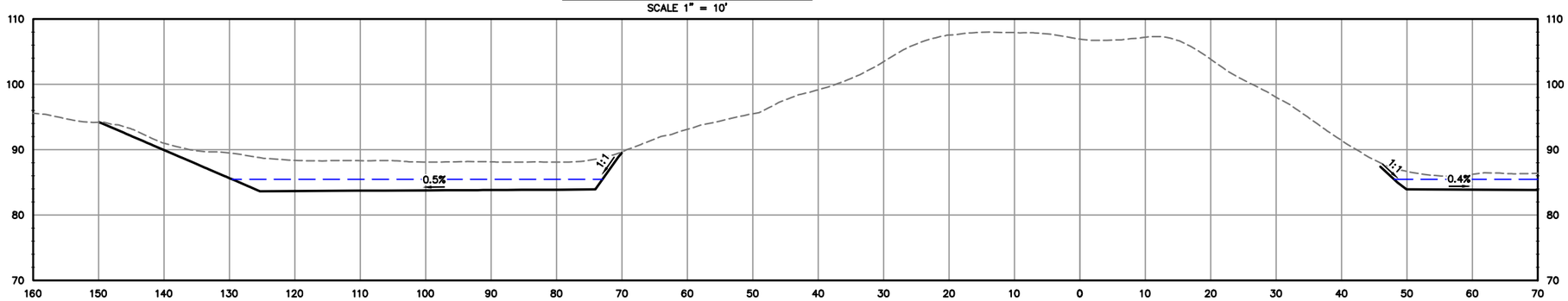
SHEET NO. 21 OF 31

DRAWING NO. C19

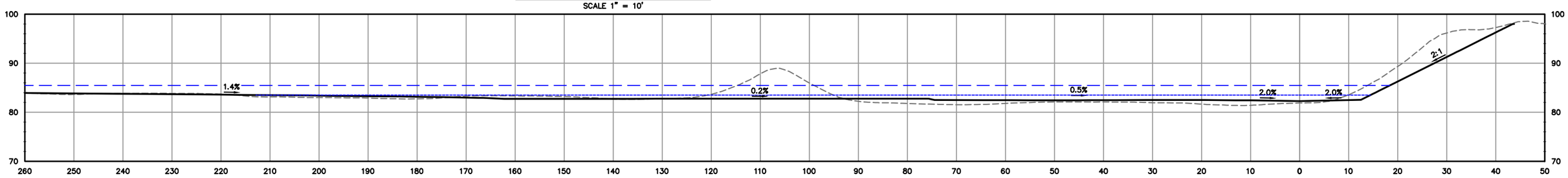
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



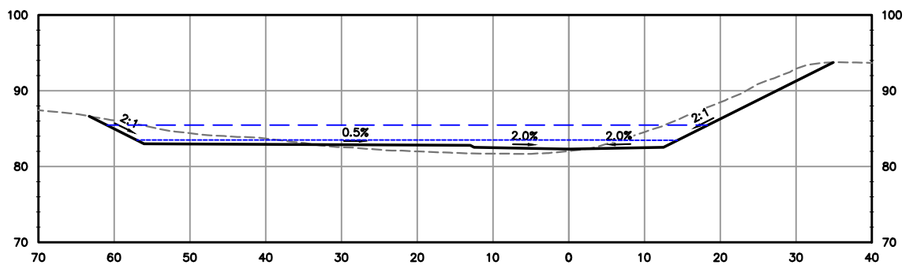
SECTION CU1-K1 - STA 20+17
SCALE 1" = 10'



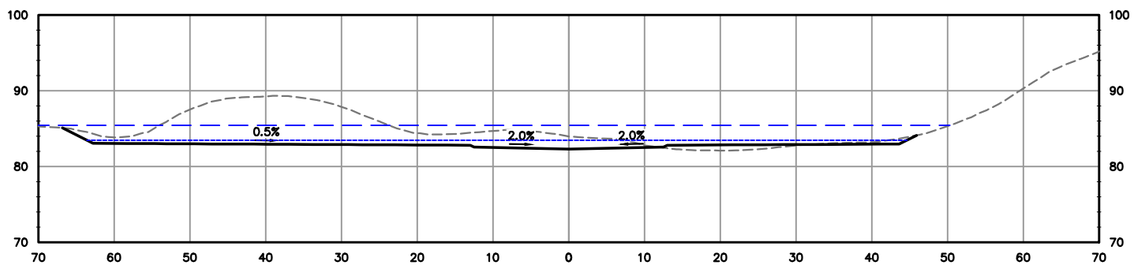
SECTION CU1-K2 - STA 20+17
SCALE 1" = 10'



SECTION CU1-L - STA 22+50
SCALE 1" = 10'



SECTION CU1-M - STA 25+00
SCALE 1" = 10'



SECTION CU1-N - STA 27+00
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM SECTIONS (3)

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

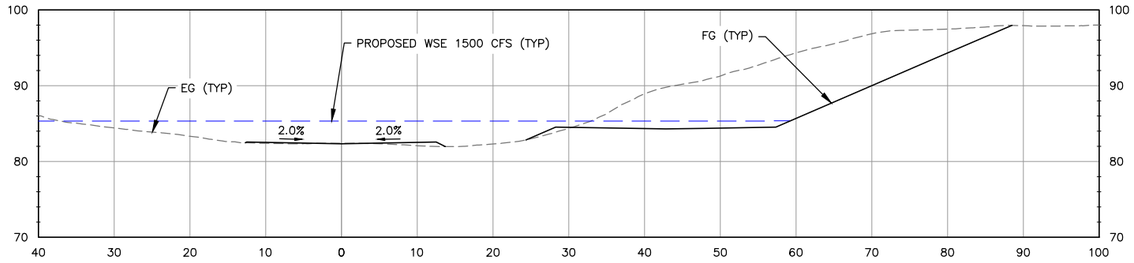
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

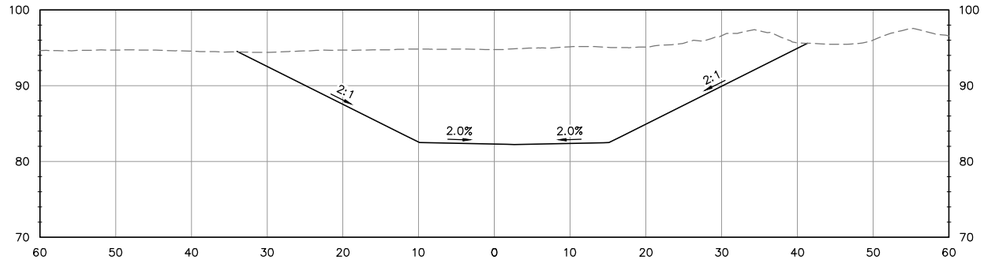
SHEET NO. 22 OF 31

DRAWING NO. C20

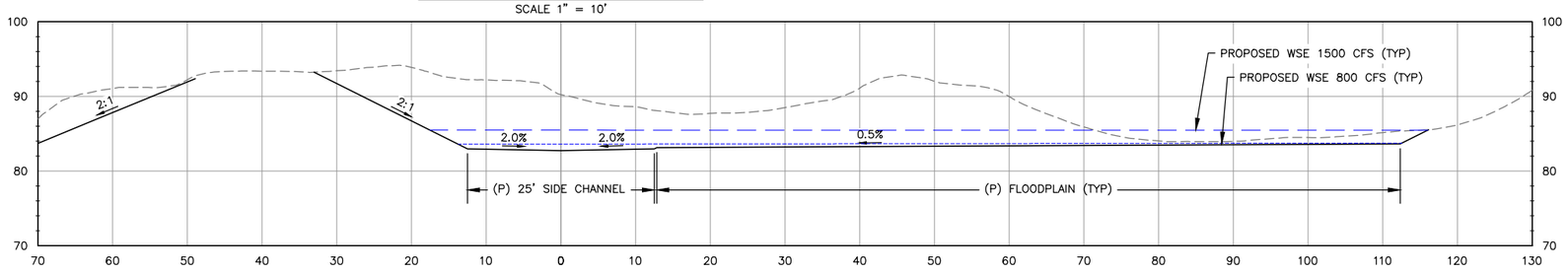
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



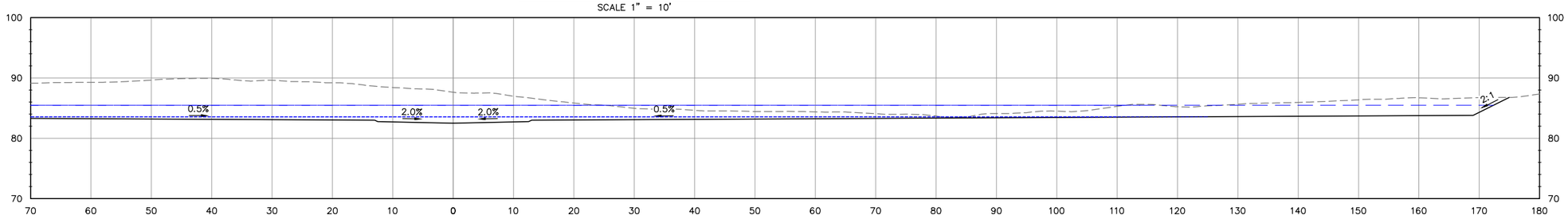
SECTION CU1-O - STA 28+50
SCALE 1" = 10'



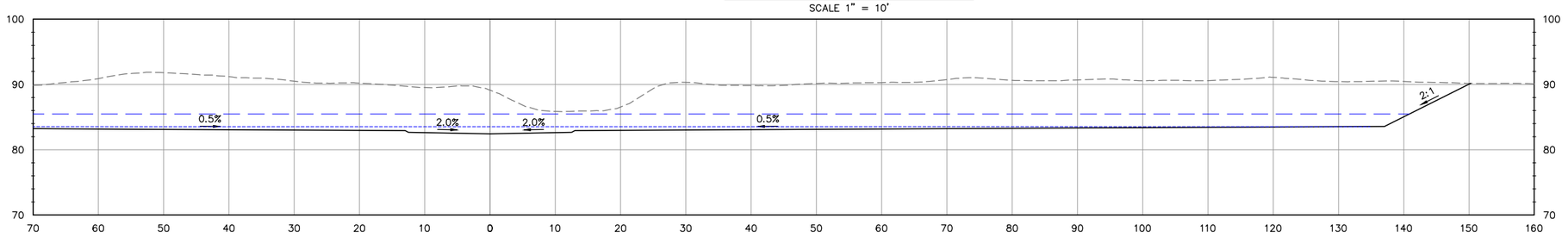
SECTION CU1-P
SCALE 1" = 10'



SECTION CU2-A - STA 1+00
SCALE 1" = 10'



SECTION CU2-B - STA 3+00
SCALE 1" = 10'



SECTION CU2-C - STA 5+00
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM SECTIONS (4)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

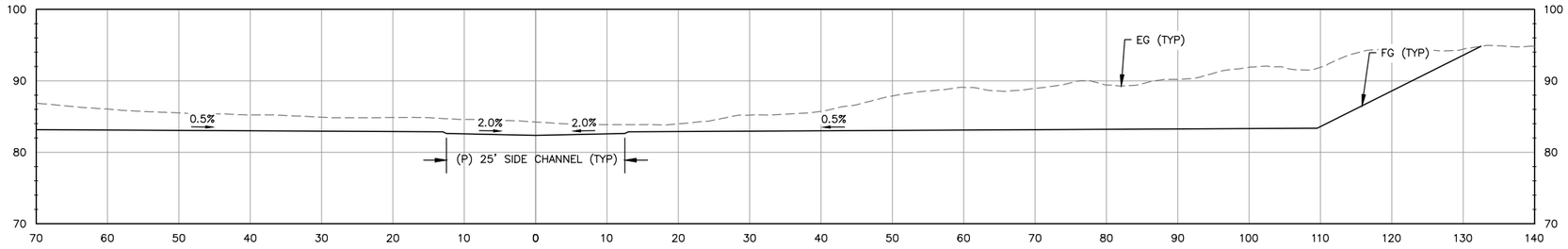
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

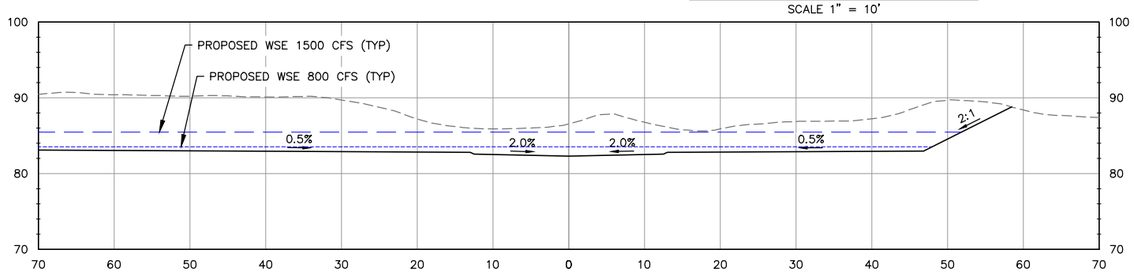
SHEET NO. 23 OF 31

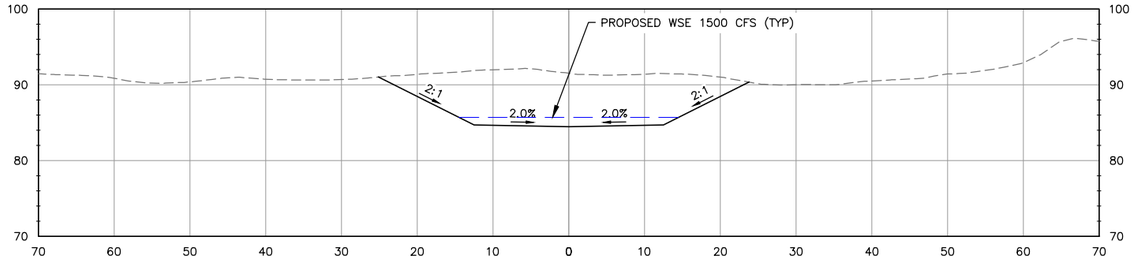
DRAWING NO. C21

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg

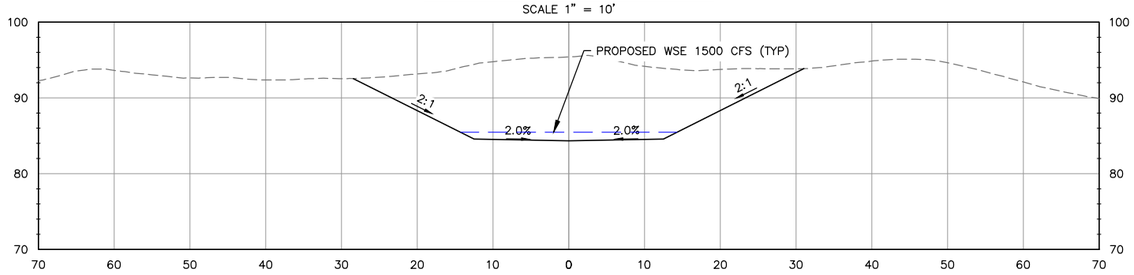


SECTION CU2-D - STA 7+00
SCALE 1" = 10'

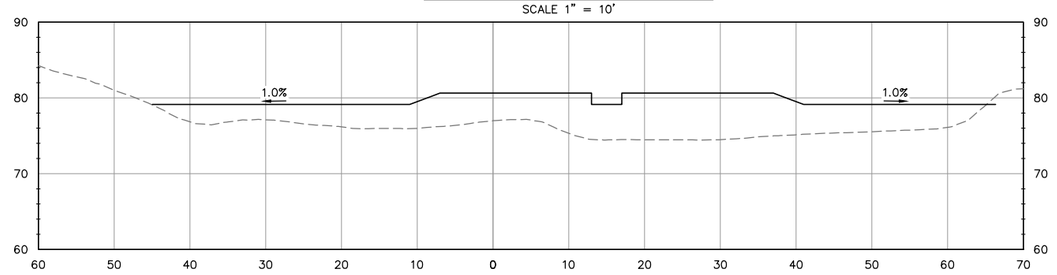




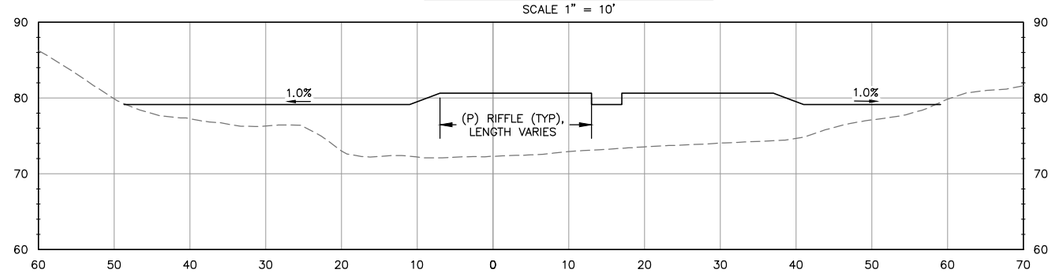
SECTION CU2-E - STA 9+00
SCALE 1" = 10'



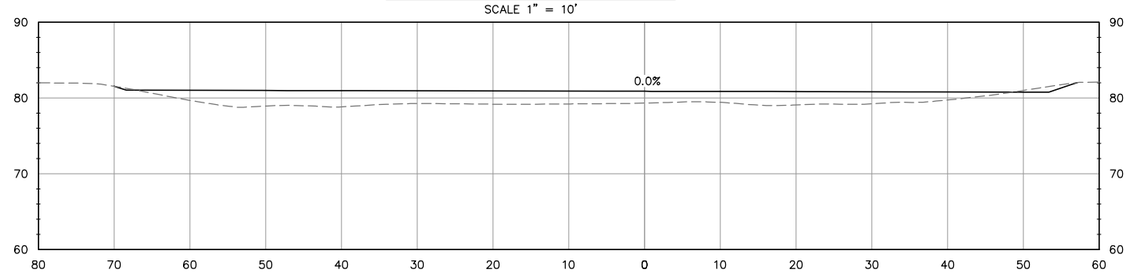
SECTION CU3-A - STA 0+50
SCALE 1" = 10'



SECTION CU3-B - STA 2+50
SCALE 1" = 10'



SECTION CUR-A - STA 14+00
SCALE 1" = 10'



SECTION CUR-B - STA 16+00
SCALE 1" = 10'

SECTION CUB-A - STA 3+28
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM SECTIONS (5)

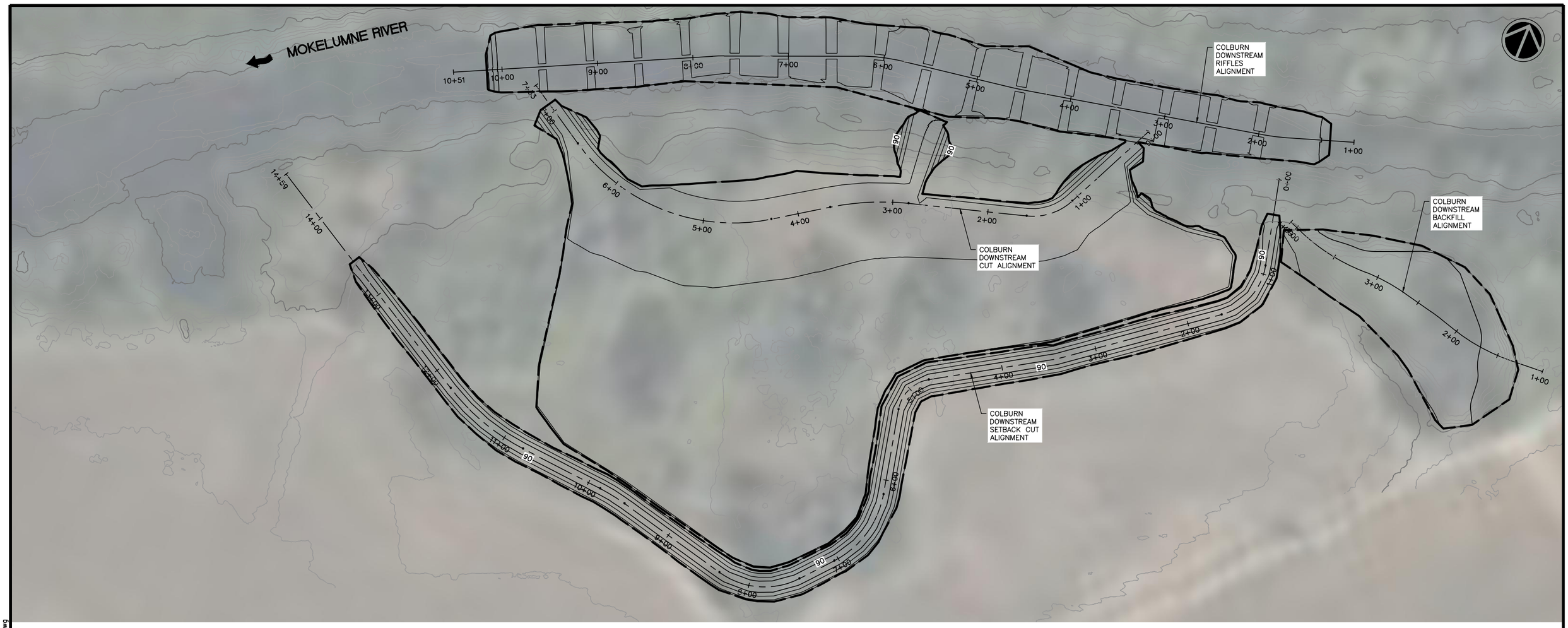
MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 24 OF 31
DRAWING NO. C22

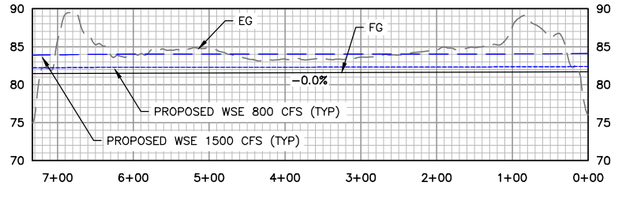
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Upstream.dwg



COLBURN DOWNSTREAM OVERVIEW

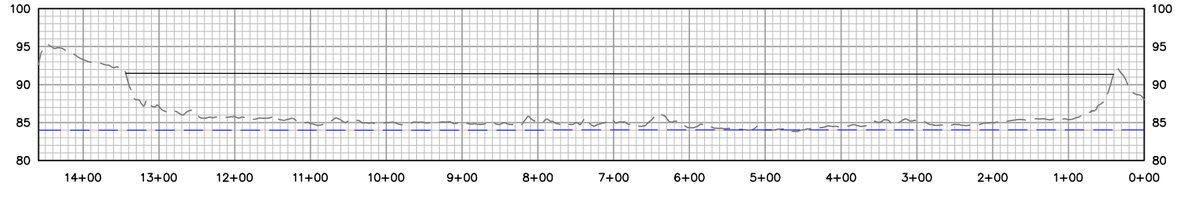
SCALE: 1" = 50'

0 25' 50' 100'



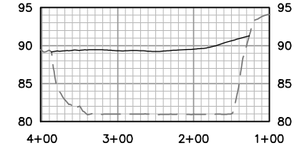
COLBURN DOWNSTREAM CUT GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



COLBURN DOWNSTREAM SETBACK GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



BACKFILL GRADING PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM OVERVIEW

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

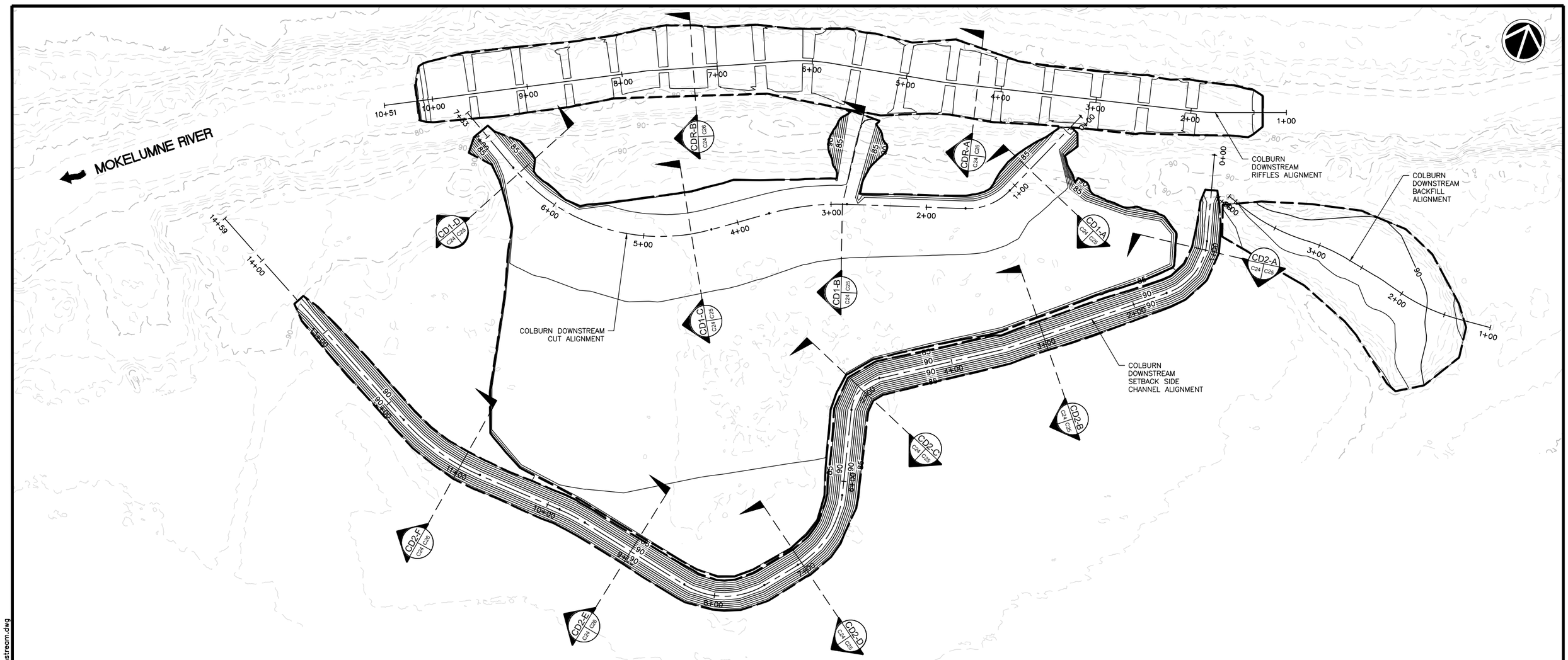
DRAWN BY: DNA
CHECKED BY: PFRANK

DATE: 9/1/2026

SHEET NO. 25 OF 31

DRAWING NO. C23

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn Downstream.dwg



COLBURN DOWNSTREAM GRADING PLAN

SCALE: 1" = 50'

0 25' 50' 100'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM GRADING PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

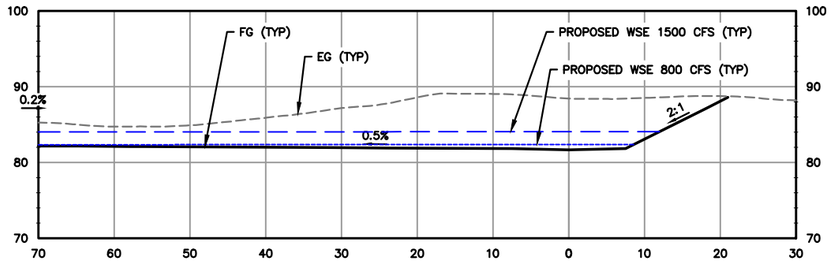
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

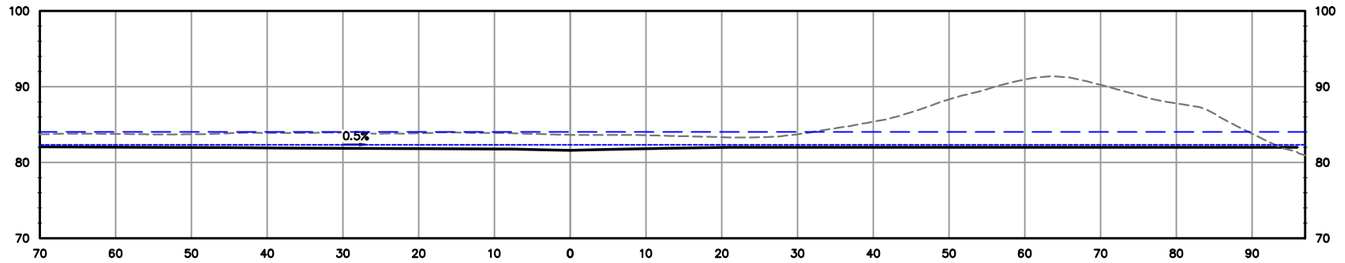
SHEET NO. 26 OF 31

DRAWING NO. C24

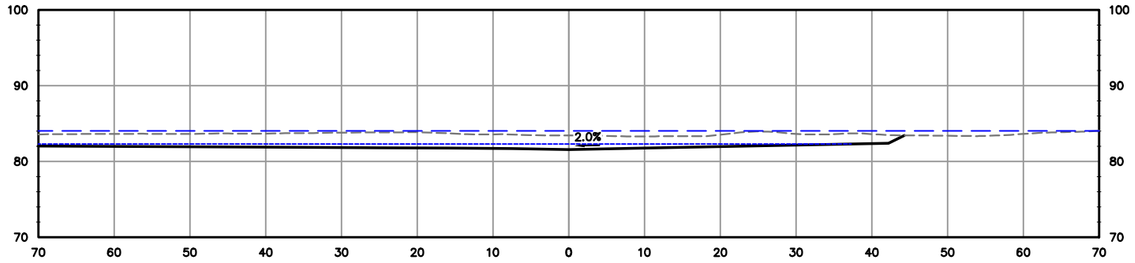
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn Downstream.dwg



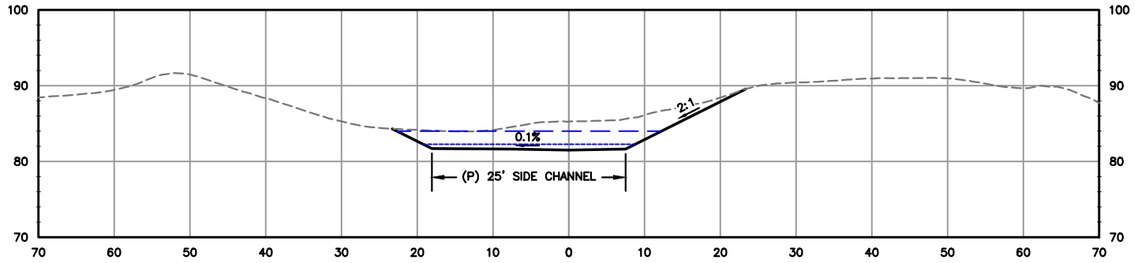
SECTION CD1-A - STA 0+77
SCALE 1" = 10'



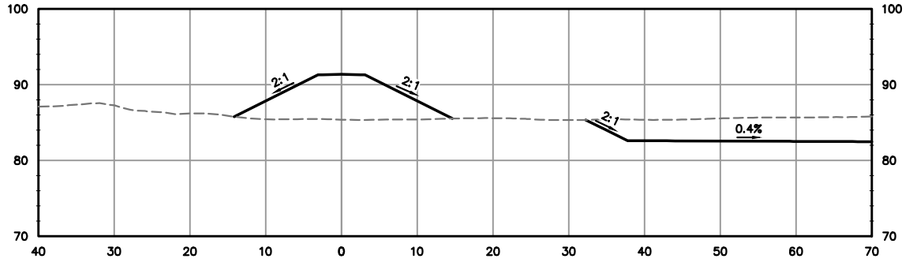
SECTION CD1-B - STA 2+88
SCALE 1" = 10'



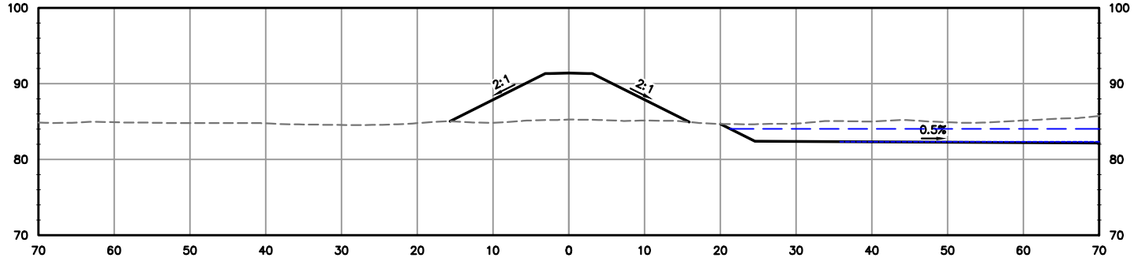
SECTION CD1-C - STA 4+50
SCALE 1" = 10'



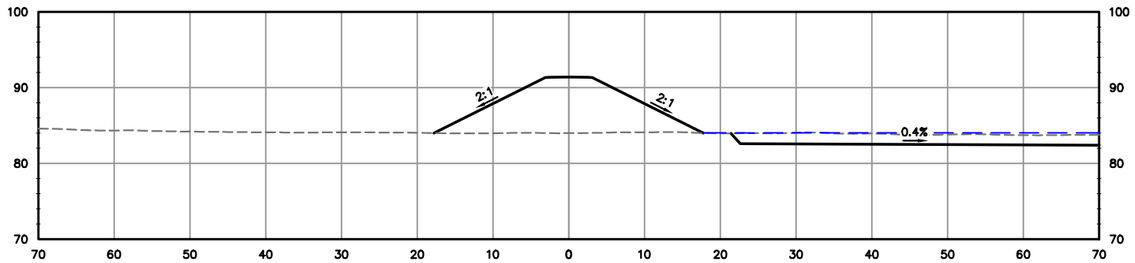
SECTION CD1-D - STA 6+50
SCALE 1" = 10'



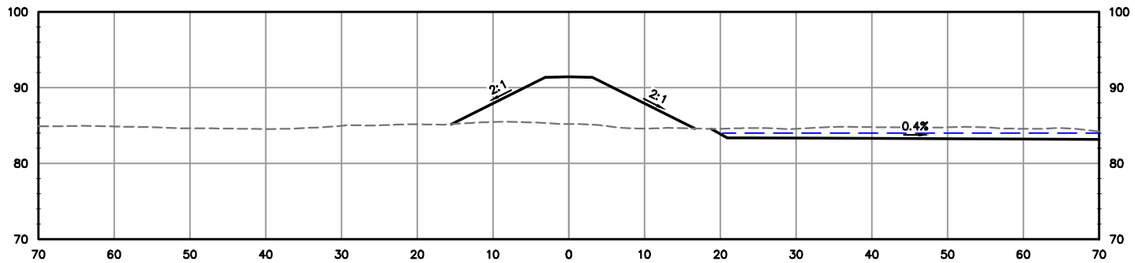
SECTION CD2-A - STA 1+00
SCALE 1" = 10'



SECTION CD2-B - STA 3+00
SCALE 1" = 10'



SECTION CD2-C - STA 5+00
SCALE 1" = 10'



SECTION CD2-D - STA 7+00
SCALE 1" = 10'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM SECTIONS

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

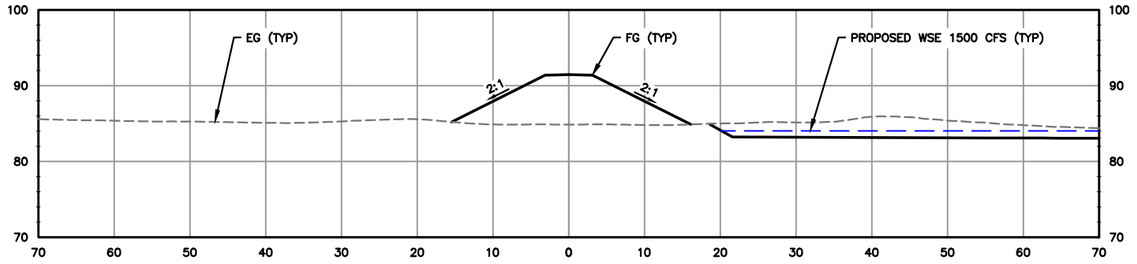
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

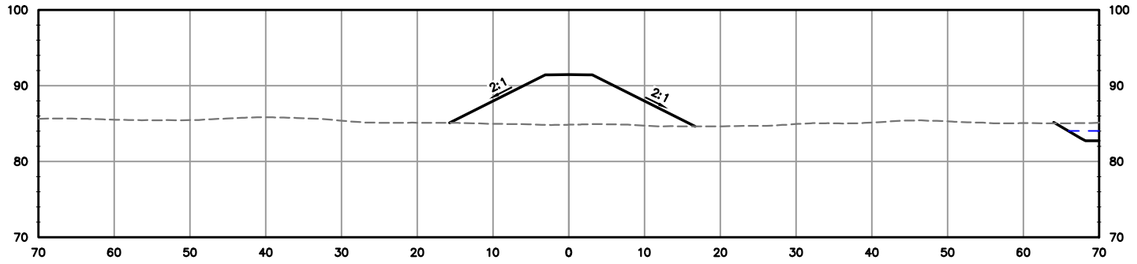
SHEET NO. 27 OF 31

DRAWING NO. C25

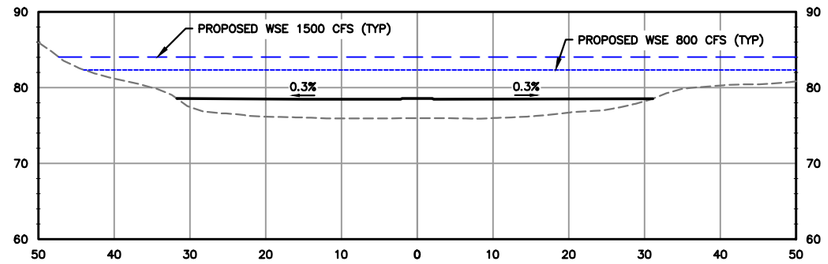
Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn Downstream.dwg



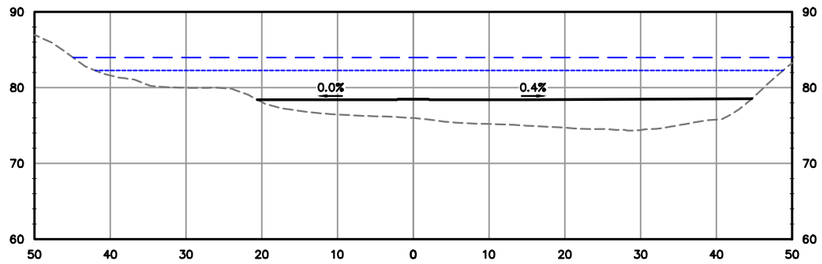
SECTION CD2-E - STA 9+00
SCALE 1" = 10'



SECTION CD2-F - STA 11+00
SCALE 1" = 10'



SECTION CDR-A - STA 4+25
SCALE 1" = 10'



SECTION CDR-B - STA 7+25
SCALE 1" = 10'

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Colburn_Downstream.dwg

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:
EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM SECTIONS (2)

MOKELUMNE RIVER FLOODPLAIN
HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

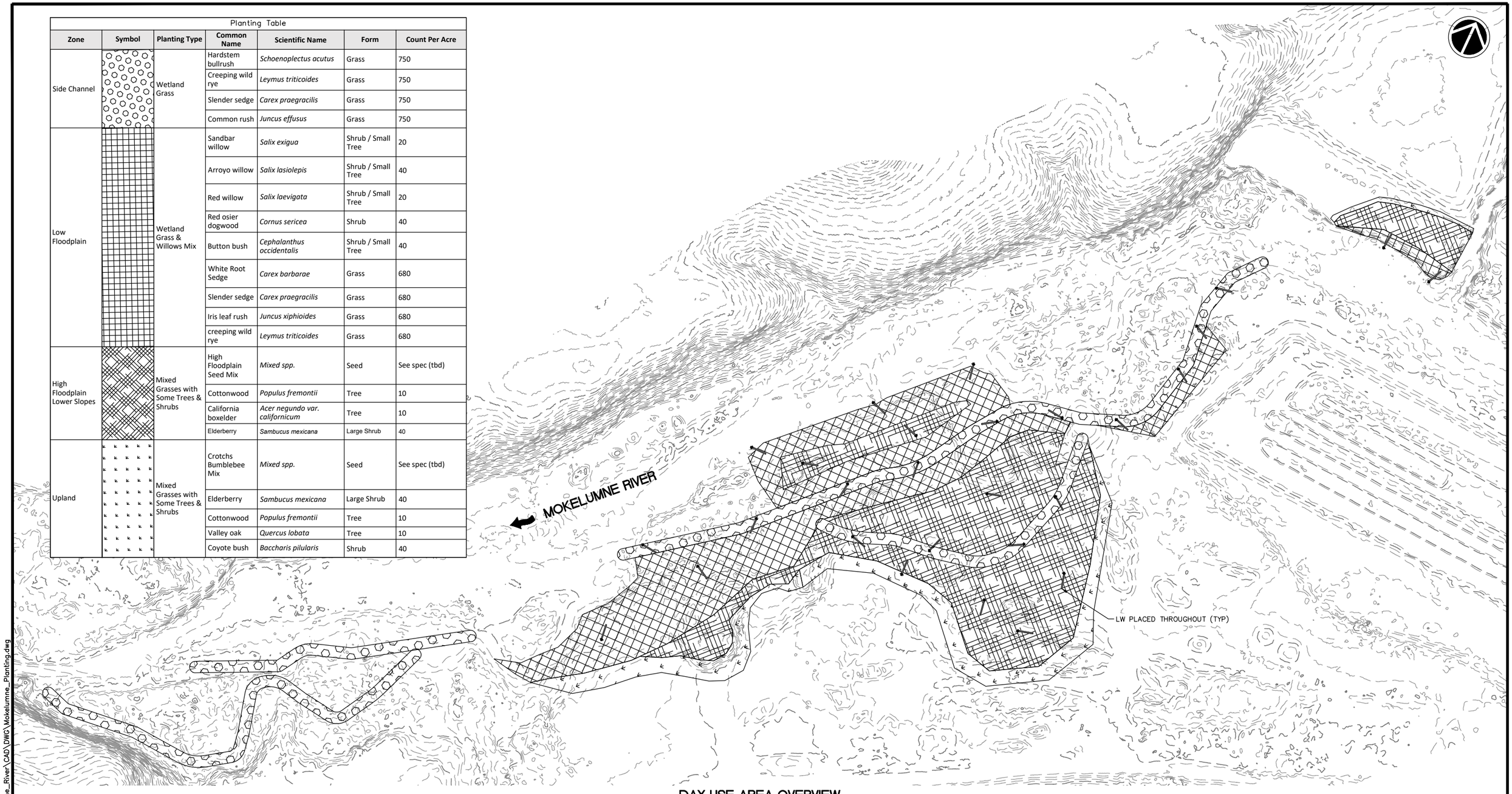
DRAWN BY:	DNA
CHECKED BY:	PFRANK
DATE: 9/1/2026	

SHEET NO. 28 OF 31

DRAWING NO. C26

Planting Table

Zone	Symbol	Planting Type	Common Name	Scientific Name	Form	Count Per Acre
Side Channel		Wetland Grass	Hardstem bullrush	*Schoenoplectus acutus*	Grass	750
			Creeping wild rye	*Leymus triticoides*	Grass	750
			Slender sedge	*Carex praegracilis*	Grass	750
			Common rush	*Juncus effusus*	Grass	750
Low Floodplain		Wetland Grass & Willows Mix	Sandbar willow	*Salix exigua*	Shrub / Small Tree	20
			Arroyo willow	*Salix lasiolepis*	Shrub / Small Tree	40
			Red willow	*Salix laevigata*	Shrub / Small Tree	20
			Red osier dogwood	*Cornus sericea*	Shrub	40
			Button bush	*Cephalanthus occidentalis*	Shrub / Small Tree	40
			White Root Sedge	*Carex barbarae*	Grass	680
			Slender sedge	*Carex praegracilis*	Grass	680
			Iris leaf rush	*Juncus xiphioides*	Grass	680
			creeping wild rye	*Leymus triticoides*	Grass	680
High Floodplain Lower Slopes		Mixed Grasses with Some Trees & Shrubs	High Floodplain Seed Mix	*Mixed spp.*	Seed	See spec (tbd)
			Cottonwood	*Populus fremontii*	Tree	10
			California boxelder	*Acer negundo var. californicum*	Tree	10
			Elderberry	*Sambucus mexicana*	Large Shrub	40
Upland		Mixed Grasses with Some Trees & Shrubs	Crotchs Bumblebee Mix	*Mixed spp.*	Seed	See spec (tbd)
			Elderberry	*Sambucus mexicana*	Large Shrub	40
			Cottonwood	*Populus fremontii*	Tree	10
			Valley oak	*Quercus lobata*	Tree	10
			Coyote bush	*Baccharis pilularis*	Shrub	40



DAY USE AREA OVERVIEW

SCALE: 1" = 100'

0 50' 100' 200'

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

DAY USE AREA PLANTING PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

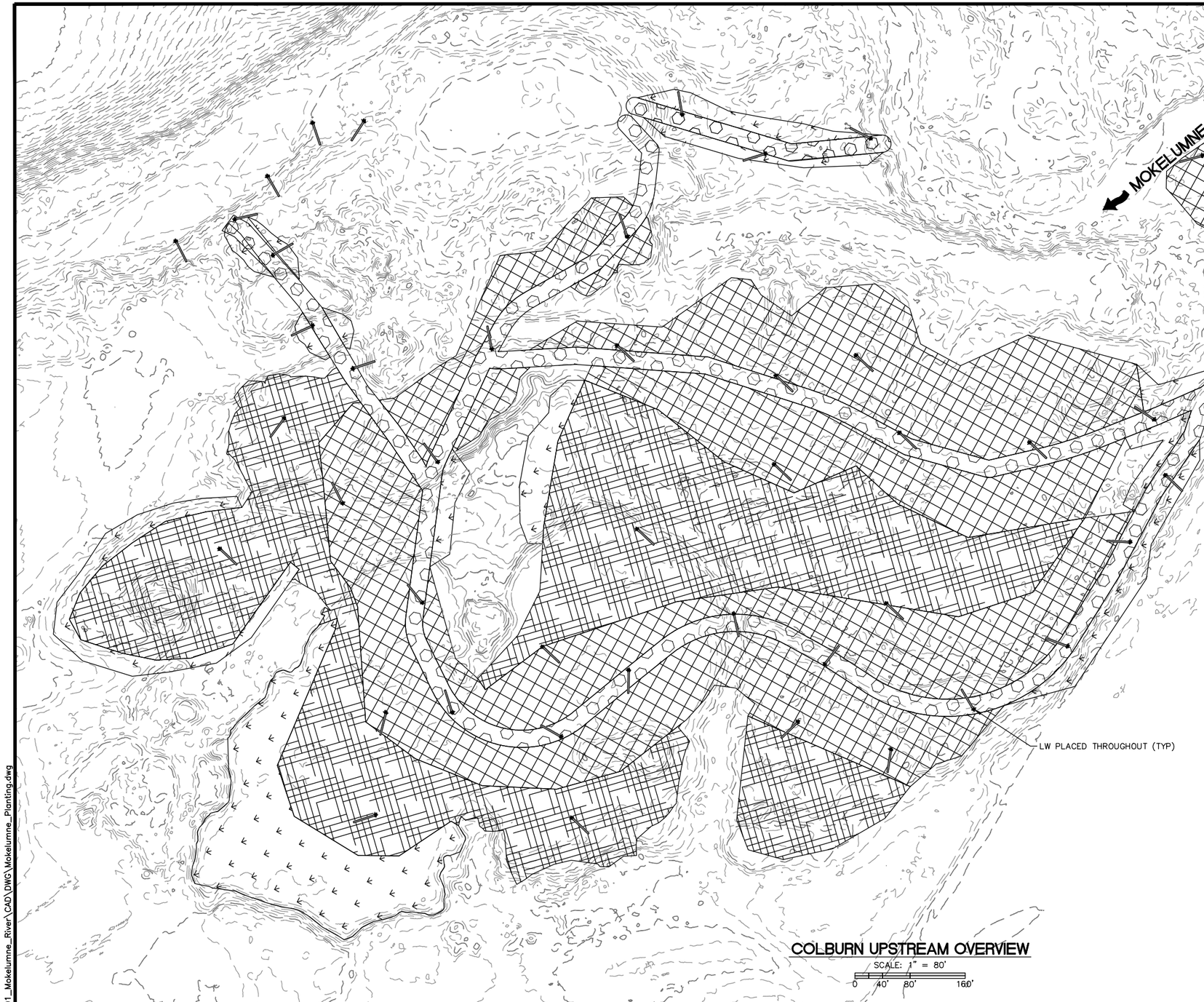
70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 29 OF 31

DRAWING NO. C27

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Planting.dwg



COLBURN UPSTREAM OVERVIEW

SCALE: 1" = 80'

0 40' 80' 160'

Planting Table

Zone	Symbol	Planting Type	Common Name	Scientific Name	Form	Count Per Acre
Side Channel		Wetland Grass	Hardstem bullrush	*Schoenoplectus acutus*	Grass	750
			Creeping wild rye	*Leymus triticoides*	Grass	750
			Slender sedge	*Carex praegracilis*	Grass	750
			Common rush	*Juncus effusus*	Grass	750
Low Floodplain		Wetland Grass & Willows Mix	Sandbar willow	*Salix exigua*	Shrub / Small Tree	20
			Arroyo willow	*Salix lasiolepis*	Shrub / Small Tree	40
			Red willow	*Salix laevigata*	Shrub / Small Tree	20
			Red osier dogwood	*Cornus sericea*	Shrub	40
			Button bush	*Cephalanthus occidentalis*	Shrub / Small Tree	40
			White Root Sedge	*Carex barbarae*	Grass	680
			Slender sedge	*Carex praegracilis*	Grass	680
			Iris leaf rush	*Juncus xiphioides*	Grass	680
			creeping wild rye	*Leymus triticoides*	Grass	680
High Floodplain Lower Slopes		Mixed Grasses with Some Trees & Shrubs	High Floodplain Seed Mix	*Mixed spp.*	Seed	See spec (tbd)
			Cottonwood	*Populus fremontii*	Tree	10
			California boxelder	*Acer negundo var. californicum*	Tree	10
			Elderberry	*Sambucus mexicana*	Large Shrub	40
Upland		Mixed Grasses with Some Trees & Shrubs	Crotchs Bumblebee Mix	*Mixed spp.*	Seed	See spec (tbd)
			Elderberry	*Sambucus mexicana*	Large Shrub	40
			Cottonwood	*Populus fremontii*	Tree	10
			Valley oak	*Quercus lobata*	Tree	10
			Coyote bush	*Baccharis pilularis*	Shrub	40

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN UPSTREAM PLANTING PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

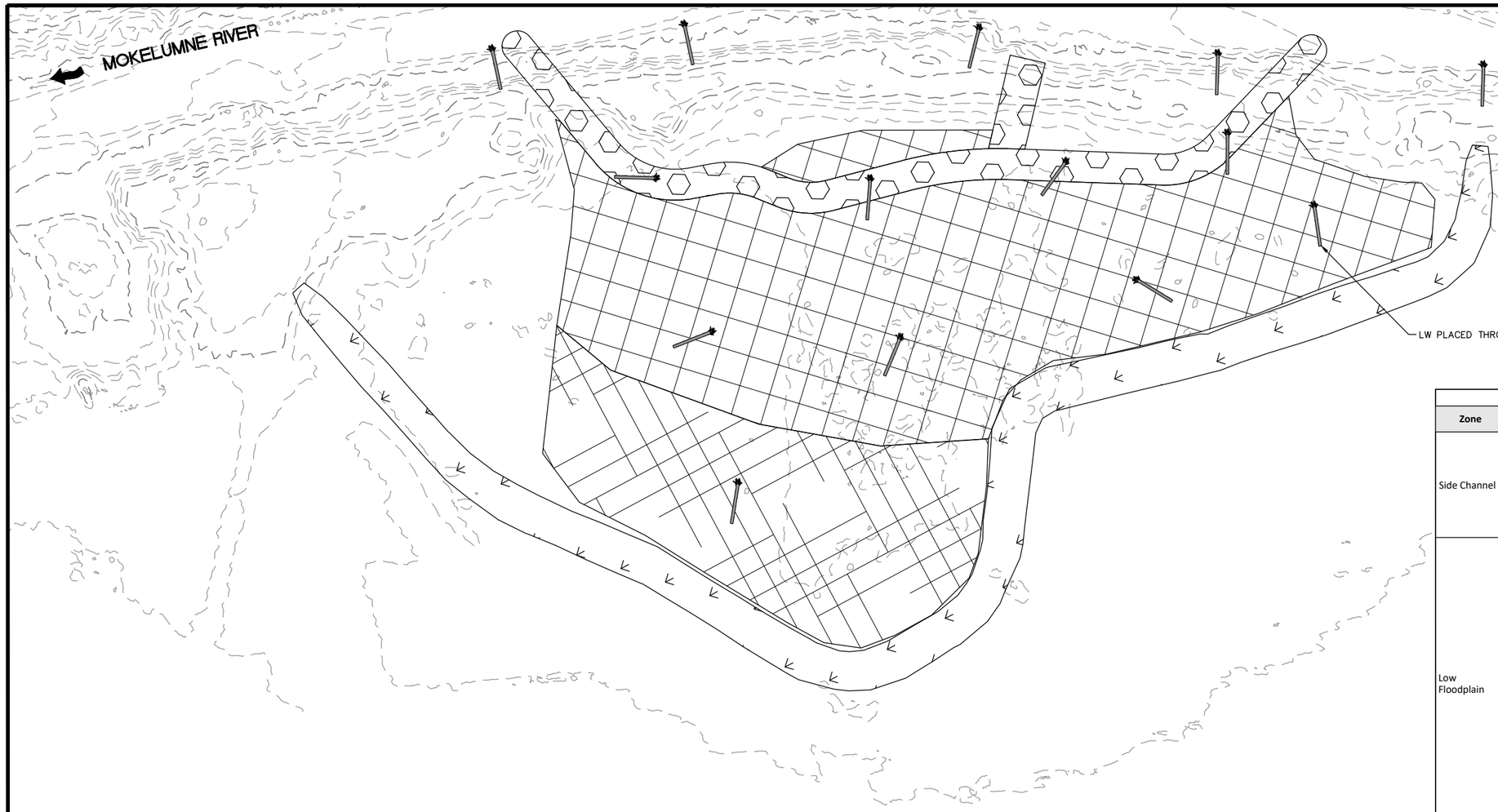
DRAWN BY: DNA
CHECKED BY: PFRANK

DATE: 9/1/2026

SHEET NO. 30 OF 31

DRAWING NO. C28

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Planting.dwg



COLBURN DOWNSTREAM OVERVIEW

SCALE: 1" = 50'

0 25' 50' 100'

Planting Table

Zone	Symbol	Planting Type	Common Name	Scientific Name	Form	Count Per Acre
Side Channel		Wetland Grass	Hardstem bullrush	*Schoenoplectus acutus*	Grass	750
			Creeping wild rye	*Leymus triticoides*	Grass	750
			Slender sedge	*Carex praegracilis*	Grass	750
			Common rush	*Juncus effusus*	Grass	750
Low Floodplain		Wetland Grass & Willows Mix	Sandbar willow	*Salix exigua*	Shrub / Small Tree	20
			Arroyo willow	*Salix lasiolepis*	Shrub / Small Tree	40
			Red willow	*Salix laevigata*	Shrub / Small Tree	20
			Red osier dogwood	*Cornus sericea*	Shrub	40
			Button bush	*Cephalanthus occidentalis*	Shrub / Small Tree	40
			White Root Sedge	*Carex barbarae*	Grass	680
			Slender sedge	*Carex praegracilis*	Grass	680
			Iris leaf rush	*Juncus xiphioides*	Grass	680
			creeping wild rye	*Leymus triticoides*	Grass	680
High Floodplain Lower Slopes		Mixed Grasses with Some Trees & Shrubs	High Floodplain Seed Mix	*Mixed spp.*	Seed	See spec (tbd)
			Cottonwood	*Populus fremontii*	Tree	10
			California boxelder	*Acer negundo var. californicum*	Tree	10
			Elderberry	*Sambucus mexicana*	Large Shrub	40
Upland		Mixed Grasses with Some Trees & Shrubs	Crotchs Bumblebee Mix	*Mixed spp.*	Seed	See spec (tbd)
			Elderberry	*Sambucus mexicana*	Large Shrub	40
			Cottonwood	*Populus fremontii*	Tree	10
			Valley oak	*Quercus lobata*	Tree	10
			Coyote bush	*Baccharis pilularis*	Shrub	40

REVISION NO.	DATE	DESCRIPTION

DRAFT

FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:

EAST BAY MUNICIPAL UTILITY DISTRICT

COLBURN DOWNSTREAM PLANTING PLAN

MOKELUMNE RIVER FLOODPLAIN HABITAT RESTORATION PROJECT

70% DESIGN
NOT FOR CONSTRUCTION

DRAWN BY: DNA
CHECKED BY: PFRANK
DATE: 9/1/2026

SHEET NO. 31 OF 31

DRAWING NO. C29

Y:\Shared\Active_Projects\100-01_Mokelumne_River\CAD\DWG\Mokelumne_Planting.dwg