



NOTICE TO CONSULTANTS REQUEST FOR QUALIFICATIONS

RFQ 325-421 Klickitat Trail Segment Renovation

BRIEF DESCRIPTION: The purpose of this Professional Services Request for Qualifications (RFQ) is to select a consultant team for design development, contract documents, permitting, bidding assistance, construction contract administration and project closeout for trail renovations on a 1 mile section of the 31-mile multi-use Klickitat State Park Trail located near the town of Klickitat. The project will enhance safety and usability on an unimproved section of a former railroad grade multi-use trail, which is in close proximity to the shoulder of highway 142.

Submittal due date: Monday, November 18, 2024, by 1:00PM, PST

ELECTRONIC SUBMITTALS RESPONSES ONLY: Submittal responses will only be accepted electronically via Email/Email Attachment to BidBox@parks.wa.gov. (PDF scan encouraged). See Section 4.1 – Submission of Responses for expanded details.

Procurement Coordinator: Rachel Decker, contracts@parks.wa.gov

Email Inquiries to: contracts@parks.wa.gov

- See also (special communication instructions) §2.1, §2.2, §2.3.

Washington State's Official Bid Notification System: Consultants are responsible for properly registering in the Washington's Electronic Business Solutions (WEBS) system, <https://fortress.wa.gov/ga/webs/> and downloading the solicitation document and all appendices and incorporated documents related to this solicitation. WEBS Registration Information:

<https://des.wa.gov/services/contracting-purchasing/doing-business-state/webs-registration-search-tips>.

WEBS is the system of record for this competition. Alternatively, you can also access the RFQ documents for reference purposes at www.parks.wa.gov/contracts by clicking on the State Purchasing link. However, please note that the official channel for notifications and updates is through WEBS and any RFQ addenda, amendments or Consultants' questions-&-answers will only be provided to those consultants who have registered with WEBS. Failure to do so may result in a Consultant having incomplete, inaccurate, or otherwise inadequate information.

It is each Consultant' responsibility to fully read and understand all provisions of this RFQ. If a Consultant does not fully understand any portion of this RFQ, the Consultant should contact the Procurement Coordinator.

It is the responsibility of each Consultant to carefully read, understand, and follow all of the instructions contained in this RFQ and all amendments hereto.

TABLE OF CONTENTS

1	SUMMARY OF OPPORTUNITY.....	4
1.1	Acquisition Authority.....	4
1.2	Project Description.....	4
1.3	Mandatory Qualifications.....	9
2	DEADLINES, PRE-SUBMITTAL CONFERENCE, QUESTIONS AND PROCUREMENT SCHEDULE9	
2.1	PRE-submittal CONFERENCE.....	9
2.2	QUESTION AND ANSWER PERIOD.....	10
2.3	Complaint Period.....	10
2.4	Procurement Schedule.....	11
3	RESPONSES - REQUIRED CONTENT	12
3.1	Checklist of Mandatory items.....	12
3.2	Consultant Profile – Appendix A.....	12
3.3	Certifications – Appendix B.....	12
3.4	Submittal – Appendix C.....	12
3.5	References – Appendix D.....	13
3.6	Diverse Business Inclusion Plan – Appendix e.....	13
4	RESPONSES - PREPARATION AND SUBMISSION REQUIREMENTS.....	14
4.1	Submission of Responses.....	14
4.2	Response layout requirements.....	14
5	EVALUATION AND AWARD.....	15
5.1	Determination of Responsiveness.....	15
5.2	General Evaluation Provisions.....	15
5.3	selection process.....	15
5.4	SOQ Evaluation CRITERIA (PHASE 1).....	16
5.5	Oral Presentations (OPTIONAL).....	17
5.6	Oral Presentations Evaluation CRITERIA (PHASE 2) — optional.....	17
5.7	Selection of Apparent Successful Consultant.....	17
5.8	Announcement of Apparent Successful consultant.....	18
6	DEBRIEF AND PROTESTS.....	18
6.1	Debriefing of Unsuccessful consultants.....	18
6.2	Procurement Records Disclosure.....	18
6.3	Protests.....	18
6.4	Grounds for Protest.....	18
6.5	Protest Form and Content.....	19
6.6	Submitting a Protest.....	19
7	ADDITIONAL GENERAL PROVISIONS FOR ALL CONSULTANTS	19
7.1	Announcement and Special Information.....	19
7.2	Contracting with Current or Former State Employees.....	19
7.3	Amendments to The RFQ.....	20
7.4	Responsiveness of Consultant’s Response.....	20

7.5	Clarity and Clarifications	20
7.6	Cost of Response Preparation.....	20
7.7	Ownership of responses	20
7.8	Final Selection & No Obligation.....	21
7.9	Incorporation of Response in Contract.....	21
7.10	Agreement to STATE PARKS Contract Terms and Conditions	21
7.11	Statewide Vendor Payment Registration	21
7.12	Minority Women Owned and Veteran Owned Business Enterprises	21
7.13	SUBCONSULTANT PARTICIPATION MONITORING AND REPORTING.....	21
7.14	Public Disclosure & Proprietary Information	22
7.15	Civil Rights Compliance.....	22
8	APPENDICES and EXHIBITS	23
	Appendix A, Consultant Profile (Mandatory - sign and return)	23
	Appendix B, Certifications (Mandatory - sign and return).....	23
	Appendix C, Submittal (Mandatory – write and return).....	23
	Appendix D, References (Mandatory - complete and return – and notify References)	23
	Appendix E, Diversity Business Inclusion Plan (Mandatory - complete and return)	23
	Exhibit A. Draft/Sample Service Agreement for Apparent Successful Consultant.....	23
	Exhibit B. Trail Section Graphic.....	23
	Exhibit C. Alternatives Report.....	23
	Exhibit D. Alignment Drawings	23

1 SUMMARY OF OPPORTUNITY

This section describes the purpose of the competitive solicitation and provides information about this procurement, including the potential scope of the opportunity.

1.1 ACQUISITION AUTHORITY

Under the authority granted to the Washington State Parks and Recreation Commission (State Parks) in accordance with Chapter 39.80 RCW, the purpose of this Request for Qualifications is to select a consultant or consultant team for the professional services described herein.

1.2 PROJECT DESCRIPTION

The Klickitat State Park Trail is a 31-mile multiuse trail in the Columbia Gorge National Scenic Area along the Wild and Scenic Klickitat River that starts in the town of Lyle, Washington and ends just southwest of the town of Goldendale near Uecker Road. Improvements to the lower 11 miles including a trailhead at Lyle, Washington, trestle decking and railing at the Fisher Hill trestle and surfacing were completed around 2010. While a majority of the trail remains in a primitive state, the entire 31 miles is open for trail enthusiasts and can largely be enjoyed without interruption except for the detours around Snyder Creek and the Klickitat River. This project will improve approximately 1 mile of trail between Snyder Creek and the Klickitat River.

Statement of Work

The base project includes design development, contract documents, permitting, bidding assistance, construction contract administration and project closeout as required for trail construction and associated improvements to be issued for public bid and construction. The preliminary program includes (please also see Exhibit B):

- Upgrading approximately 1 mile of trail between the Klickitat River and Snyder Creek to park trail standards (8' width 5/8" minus crushed rock).
- Trail improvements will stop 200' short of Snyder Creek
- Trail crossing and any required traffic measures at SR 142
- Sections of the trail may require a boardwalk to minimize impacts to wetland areas within the trail corridor.

The trail improvements will fill an important missing link for hikers, bikers, and equestrians. Associated site improvements such as signage (wayfinding and interpretation) should also be included. A preliminary inventory, analysis and alignment has been completed through previous design efforts with V+M Structural Design, Inc.

Maximum Allowable Construction Cost

The Maximum Allowable Construction Cost (MACC) is defined as the total sum available to the general contractor for construction purposes, including all alternates. The MACC excludes Washington state sales tax, professional fees, project contingency funds, or other charges that may not be under the scope of the general contractor. The estimated general range for the MACC for this project is \$750,000.00 to \$900,000.00.

Scope of Work

Design Development

In the Design Development Phase, the consultant shall provide those services necessary to provide drawings and other documents necessary to fix and describe the size and character of the entire project for approval by the agency. Parks will provide a schematic level sketch for the consultant to advance through the Design Development phase. Consideration shall be given to

availability of materials, equipment and labor, construction sequencing and scheduling, economic analysis of construction and operations, user safety and maintenance requirements, and energy conservation. The Design Development phase includes the following:

Project Administration	Services consisting of design development administrative functions including consultation, meetings and correspondence, and progress design review conferences with user agency.
Document Checking	Review and coordination of documents prepared for the project.
Permitting Authority Consulting	Consultations, research of critical applicable regulations, preparation of written and graphic explanatory materials. The services apply to applicable laws, statutes, regulations, and codes. Assist in obtaining approval from approving agencies as required.
Civil/Structural/Site Design	Services consisting of continued development of civil/structural/site schematic design documents.
Scheduling	Services consisting of reviewing and updating previously established schedules for the project.
Cost Estimating	Services consisting of development of a probable construction cost from quantity surveys and unit costs of building elements for the project. Parametric costs reflect the level of design elements presented in the design development documents, plus appropriate design contingencies to encompass unidentified scope ultimately included in the program. Assist Parks with analyzing scope, schedule and budget options to stay within the MACC.
Presentations	Services consisting of appropriate presentation(s) of design development documents by the Consultant to Parks representatives.

Deliverables:

- One 22"x34" hard copy of the Design Development drawings.
- DD cost estimate.
- Electronic copies of all material on a flash drive.

Construction Documents

In the Construction Documents phase, the consultant shall provide the services necessary to prepare Construction Documents consisting of drawings, specifications, and other documents describing the requirements for construction, bidding and contracting for the construction of the project for approval by Parks from the approved Design Development documents; The Construction Document phase includes the following:

Project Administration	Services consisting of construction documents, administrative functions (including consultation, meetings and correspondence), and progress design review conferences.
Document Checking	Review and coordination of documents prepared for the project.

Permitting Authority Consulting	Consultations, research of critical applicable regulations, preparation of written and graphic explanatory materials. The services apply to applicable laws, statutes, regulations, and codes. Assist in obtaining approval from approving agencies as required.
Civil/Structural/Site Design	Services consisting of preparation of final civil/structural/site design drawings and specifications based on approved design development documentation required for the project.
Specifications	Services consisting of activities of development and preparation of bidding documents, Conditions of the Contract, Civil specifications, and compilation of the project manual.
Scheduling	Services consisting of reviewing and updating previously established schedules for the project.
Cost Estimating	Services consisting of development of a probable construction cost from quantity surveys and unit costs of construction elements for the project. Parametric costs reflect the level of design elements presented in the Design Development documents, plus appropriate design contingencies. Assist Parks with analyzing scope, schedule and budget options to stay within the MACC.

Deliverables:

- One 22"x34" hard copy of the drawings at 30% and 60%.
- Outline specifications at 30% and draft specifications at 60%
- One 22"x34" hard copy of the drawings at 100% stamped and signed by the Engineer of Record.
- One hard copy of the 100% specifications stamped and signed by the Engineer of Record.
- Construction Cost Estimates at 30%, 60% and 100%
- Electronic copies of all deliverables on a flash drive

Bidding

In the Bidding Phase, the consultant, following the agency's approval of the Construction Documents and the most recent statement of probable construction cost, shall provide those services necessary to assist Parks in obtaining bids and in awarding and preparing contracts for construction. The bidding phase includes the following:

Bidding Materials Services consisting of organizing, coordinating, and handling Bidding documents for reproduction, distribution and retrieval, receipt, and return of document deposits.

Addenda Services consisting of preparation and distribution of Addenda as may be required during bidding and including supplementary drawings, specifications, instructions, and notice(s) of changes in the bidding schedule and procedure.

Bidding	Services consisting of participation in pre-bid conferences, responses to questions from bidders, and clarification or interpretations of the bidding documents.
Analysis of Substitutions	Services consisting of consideration, analysis, comparisons, and recommendations relative to substitutions proposed by bidders prior to receipt of bids.
Bid Evaluation	Services consisting of validation of bids, participation in review of bids and alternates, evaluation of bids, and recommendation on award of contract.

Deliverables:

- Respond to pre-bid questions and maintain a record of responses as directed by Parks
- Preparation of drawings details responses or other documents as required for issuance of addenda by Parks during the bidding period.
- Written documentation regarding evaluation of bids and/or bidder qualifications.

Construction Contract Administration

In the Construction Contract Administration (CA) phase, the consultant shall provide services necessary for the administration of the construction contract as set forth in the General Conditions of the Contract for Construction. CA shall include:

Project Administration	Services consisting of construction contract administrative functions including consultation, conferences, communications, and progress reports.
Document Checking	Reviewing and checking of documents (required submittals) prepared for the project.
Construction Administration	Services consisting of processing of submittals, including receipt, review of and appropriate action on shop drawings, product data, samples, and other submittals required by the contract documents. Distribution of submittals to agency, contractor, and field representatives as required. Maintenance of master file of submittals and related communications.
Construction Field Observation	Services consisting of visits to the site at intervals appropriate to the stage of construction or as otherwise agreed to become generally familiar with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the contract documents and preparing related reports and communications. The consultant to chair project meetings.
Documents	Services consisting of preparation, reproduction, and distribution of clarification documents and interpretations in response to requests for clarification by contractors or Parks. Preparation and distribution of weekly meeting minutes to the contractor and Parks. Maintenance of records and coordination of communications relative to requests for

clarification or information (RFI). Preparation, reproduction and distribution of drawings and specifications to describe work to be added, deleted or modified, review of proposals, review and recommend changes in time for substantial completion, assisting in the preparation of modifications of the contracts and coordination of communications, approvals, notifications, and record-keeping relative to changes in the work. Additional fees for changes to the scope of a project shall be negotiated.

Scheduling

Services consisting of monitoring the progress of the contractors relative to established schedules and making status reports to the user agency.

Cost Accounting

Services consisting of maintenance of records of payments on account of the contract and all changes thereto, evaluation of applications for payment and certification thereof, and review and evaluation of cost data submitted by the contractors for work performed.

Project Closeout

Services initiated upon notice from the contractor that the work is sufficiently complete, in accordance with the contract documents, to permit occupancy or utilization for the use for which it is intended, and consisting of a detailed inspection for conformity of the work to the contract documents, issuance of certificate of substantial completion, issuance of a list of remaining work required (punch list), final inspections, receipt and transmittal of warranties, affidavits, receipts, releases and waivers of lien or bonds, permits, and issuance of final certificate for payment.

Deliverables:

- Contractor progress payments
- Complete records (hard copy and electronic copies) of all documentation submitted by the Contractor
- Complete records (hard copy and electronic copies) of all documentation prepared by the consultant

Preliminary Project Schedule

- Project Kick-Off Meeting Dec. 2024
- 100% DD Mar. 2025
- 60% CD's (Permit Submittal) Jun. 2025
- 100% CD's Sept. 2025
- Bidding Winter 2025
- Contract Execution Spring 2026
- NTP Spring 2026

Project Assumptions

- Parks will provide the consultant with Parks standard Division 0 specifications.
- Parks will provide the consultant with Parks standard Division 1 specifications as requested for the consultant's use comment and coordination with the consultant's technical sections.
- All documents will be in Parks' format and specifications will be in CSI format, per Parks' standards.
- Contract documents will be for a competitive bid project delivery.
- The consultant will assist parks in acquiring all required permitting from authorities having jurisdiction.
- Parks will coordinate and obtain archeological and cultural investigations and approvals per EO-21-02 as required for work within park boundaries.
- Design meetings will be conducted via teleconferencing or at the consultant's engineering offices or other mutually agreeable locations.
- Preliminary design work completed by V+M Structural Design, Inc will be provided.

1.3 MANDATORY QUALIFICATIONS

The following are mandatory qualifications that the Consultant must satisfy in order to be announced as the Apparent Successful Consultant:

- Consultant must have an active professional license in the state of Washington.
- The Consultant must have at least five (5) years of experience in trail evaluation, design, and permitting.
- Consultant must be registered to do business in the state of Washington and must hold a Universal Business Identifier (UBI)
- Consultant is urged to sign up in Washington's Electronic Business System (WEBS), as that is where all documents and addenda will be posted.

2 DEADLINES, PRE-SUBMITTAL CONFERENCE, QUESTIONS AND PROCUREMENT SCHEDULE

This section identifies important deadlines for this Request for Qualifications, where to direct questions regarding the Request for Qualifications, and the process for potential amendments or modifications to the Request for Qualifications.

2.1 PRE-SUBMITTAL CONFERENCE

Consultants are invited to a virtual pre-submittal conference via Microsoft Teams, where they can ask questions and request changes. Interested consultants must RSVP to contracts@parks.wa.gov by the date specified in Section 2.4 – Procurement Schedule, with the submittal identification number and "RSVP" in the subject line (e.g., "**RFQ # RSVP**"). A meeting link will be sent the next day. The conference date and time are also in Section 2.4.

Attendees should not display video and keep their microphones muted if not speaking. If the conference fails or you have additional questions, send them by 3 PM (PST) on the same day. Responses will be posted on WEBS. State Parks is not responsible for technical issues or participation failures. Questions raised at the pre-bid conference and during the Q&A period will be answered and responses posted to WEBS.

State Parks reserves the right to amend and modify this Request for Qualifications.

2.2 QUESTION AND ANSWER PERIOD

Consultants may ask questions at any time, but responses must be posted on WEBS before the bid's due date to allow consultants to respond. The final day for questions to receive a formal response is in Section 2.4 – Procurement Schedule.

Send questions to contracts@parks.wa.gov with the RFQ identification number and "Question" in the subject line (e.g., "**RFQ # Question**"). Only responses posted on WEBS are official; all other communications are unofficial and nonbinding.

2.3 COMPLAINT PERIOD

Consultants should first address concerns during the Question-and-Answer period. If a complaint is necessary, refer to Section 2.4 – Procurement Schedule for the Complaints Period. Complaints outside this period will not be considered. Send complaints to contracts@parks.wa.gov with the RFQ identification number and "Complaint" in the subject line (e.g., "**RFQ # Complaint**"). Failure to mark correctly may result in the complaint being missed. Responses will be posted on WEBS; only these responses are official.

Consultants must follow these procedures for complaints to be considered. Complaints must be in writing, sent to the Procurement Coordinator before the deadline, to the specified email address, and with the correct subject line. The complaint must state its basis and propose a remedy

Only complaints that fall into the categories below and stipulate an issue of fact shall be considered:

- The request for qualifications unnecessarily restricts competition
- The request for qualifications evaluation or scoring is unfair or flawed; or
- The request for qualifications requirements are inadequate or insufficient to prepare a response

2.4 PROCUREMENT SCHEDULE

Consultants must adhere to the following schedule of activities. All times and dates are to be deemed final, unless officially amended by a written amendment posted in WEBS. State Parks requires strict adherence to this schedule:

Activity	Due Dates	Time
RSVP Pre-submittal Conference	10/21/2024 See additional details in Section 2.1 – Prebid Conference.	COB
Pre-submittal Conference	10/23/2024 See additional details in Section 2.1 – Prebid Conference	10:30AM-11:00AM PST
Question Period	10/07/2024 – 11/01/2024 See additional details in Section 2.2 – Question and Answer Period.	NA
Answer Period	Throughout submittal period. All Answer Responses will be posted on WEBS. See Section 2.2 – Question and Answer Period	
Complaint Period	11/05/2024 – 11/08/2024 See additional details in Section 2.3 – Complaint Period. Complaints received before or after the Complaint period will not be considered.	NA
Consultant's Response – Deadline	11/18/2024 See also: Section 4 - Responses - Preparation and Submission Requirements. See also Section 3.1 CHECKLIST OF REQUIRED MATERIALS	1:00PM
Short-Listed firms selected and notified	If the goal of identifying the most qualified firm from the SOQ Evaluation Phase 1 is not met, the evaluation team may consider adding Phase 2: Oral Presentations to the evaluation process. The decision to proceed with Phase 2 will be determined as needed.	
Oral Presentations (if needed)	The Oral Presentation Phase 2 criteria and instructions will be provided by email to the short-listed firms. To be Determined.	
Announcement of Apparent Successful Consultant (ASC)	After the Submittal's due date (deadline to submit submittal responses) and following the evaluation, short-listed selected, or oral presentations (if needed) the state will Announce the Apparent Successful Consultant (ASC). See additional details in Section 5.8 – Announcement of Apparent Successful Consultant.	
Debriefing of Consultants	The Consultant wanting a Debrief must request a Debrief within three business days following the day of the Announcement of Apparent Successful Consultant (ASC). See additional details in Section 6.1 – Debriefing of Consultants.	
Protest	The DEBRIEFED Consultant wanting to submit a protest must submit a Protest within five business days following the day of the Debrief. See additional details in Section 6.3 - Protests	

3 RESPONSES - REQUIRED CONTENT

This section describes the information required for the Request for Qualifications and outlines how your submittal will be scored. Additionally, consultants must review and adhere to the Request for Qualifications requirements, including those detailed in the exhibits, which specify the information that must be provided for a submittal to be considered responsive.

3.1 CHECKLIST OF MANDATORY ITEMS

The following list identifies the content that must be included in each responsible submission.

- **Appendix A, Consultant Profile**
- **Appendix B, Certifications**
- **Appendix C, Submittal**
- **Appendix D, References**
- **Appendix E, Diverse Business Inclusion Plan**

Any response that does not contain all of the above items will be rejected as non-responsive. Each item is discussed in more depth in the following sections.

3.2 CONSULTANT PROFILE – APPENDIX A

Consultant Profile provides general information concerning the Consultant and/or its corporate entity. The Consultant must complete all sections and sign where indicated. Signing the Profile indicates the Consultant accepts the terms and conditions of this RFQ. Failure to address all of the elements identified in the Profile may result in disqualification.

It is important to fully read the Consultant Profile as there are additional pages that the Consultant may have to attach depending on the Consultant's response.

Appendix A - The Consultant Profile is evaluated on a pass/fail basis.

3.3 CERTIFICATIONS – APPENDIX B

The Certifications must be executed as written in Appendix B. Failure to execute the Appendix in its official form will result in the Consultant's Proposal being disqualified.

Appendix B – Certifications is evaluated on a pass/fail basis.

3.4 SUBMITTAL – APPENDIX C

The Submittal section of the response must contain information that will demonstrate to the evaluation committee the Consultant's understanding of the types of services proposed, the firm's ability to accomplish them, and the ability to meet tight timeframes.

3.4.1 The firm's approach to the work (4 pages, maximum).

3.4.2 The firm's resume (5 pages, maximum).

3.4.3 A resume for all proposed sub-consultants (2 pages, maximum, per sub-consultant).

3.4.4 A written statement of the firm's qualifications which is responsive to the selection criteria (10 pages, maximum, including pictures).

3.4.5 Key staff resumes, including key staff of proposed sub-consultants (1 page maximum per staff member).

3.4.6. OMWBE Certification - Include proof of certification issued by the Washington State Office of Minority and Women's Business Enterprises if certified minority-owned firm and/or women-owned firm(s) will be participating on this project. See also Section 3.6.

Appendix C – Submittal is evaluated and scored according to the criteria laid out in Section 5.4 SOQ Evaluation Criteria.

3.5 REFERENCES – APPENDIX D

Each Consultant must submit three (3) references using the forms provided in Appendix D. State Parks will contact each reference by email and provide them with a pre-established questionnaire (the same questionnaire will be used for all references). It is the Consultant's obligation to provide the correct name and email address for each reference, and make sure that such reference will promptly respond to State Parks' inquiry. The evaluation of the references will be based on the quality of the referral given, and the relative correlation between the services performed for that reference and the scope of work herein. As such, State Parks notes that references from other Washington State Agencies for similar work will be deemed as having a higher degree of relativity.

Appendix D- References are evaluated on a pass/fail basis that it is included with the submittal. The objective of references is to gage the Responsibility of the consultant. State Parks reserves the right and may contact your reference and may contact any person, business, agency, or database system that may have information on your skills, abilities, and customer service.

3.6 DIVERSE BUSINESS INCLUSION PLAN – APPENDIX E

In accordance with [RCW 39.19.010](#), the state of Washington encourages participation in all of its contracts by OMWBE certified firms.

In accordance with [RCW 43.60A.200](#) and [RCW 39.26.240](#), the state of Washington encourages participation in contracts that are exempt from competitive bidding under [RCW 39.26.125](#) by firms certified by Department Of Veteran Affairs.

In accordance with [RCW 39.26.005](#), the state of Washington encourages participation in all of its contracts by Washington small businesses.

All Consultants, including diverse-owned firms, will be required to submit a [Diverse Business Inclusion Plan](#). The Inclusion Plan should demonstrate in detail the specific strategies, approaches, and steps your firm will use in seeking to help meet or exceed the state's aspirational diverse business participation goals. Achievement of the goals is encouraged whether directly or through subcontractors.

- Ten percent (10%) Minority-Owned Businesses certified by the Washington State Office of Minority and Women's Business Enterprises ([OMWBE](#));
- Six percent (6%) Women-Owned Businesses certified by the Washington State Office of Minority and Women's Business Enterprises ([OMWBE](#));
- Five percent (5%) Veteran-Owned Businesses certified by the Washington State Department of Veterans Affairs ([WDVA](#)); and
- Five percent (5%) Washington Small Businesses self-identified in the Washington Electronics' Business Solution (WEBS) <https://www.des.wa.gov/services/contracting-purchasing/doing-business-state/webs-registration-search-tips>.

The Diverse Business definition includes Washington small business, micro-business, and mini business as defined in RCW 39.26.010, Minority and Women Business Enterprises (M/WBEs) as defined in RCW 39. 19 and WAC 326-20, and Veteran-owned businesses as defined in RCW 43.60A.010.

Appendix E – Diverse Business Inclusion Plan is evaluated on a pass/fail basis.

4 RESPONSES - PREPARATION AND SUBMISSION REQUIREMENTS

This section identifies how to prepare and submit your submittal for this Competitive Solicitation. By responding to this Competitive Solicitation and submitting a submittal, consultants acknowledge having read and understood the entire Competitive Solicitation and accept all information contained within this Competitive Solicitation.

4.1 SUBMISSION OF RESPONSES

Consultants must be complete, legible, signed, and follow all instructions stated in the Competitive Solicitation (including the appendices, and exhibits). Unless otherwise specified in writing by documents included with an electronic bid must be prepared in MS Word, MS Excel, or Adobe PDF (or similar representation that maintains bookmarks and hyperlinks). Where required to do so, consultants may sign using either a physical or electronic signature.

Consultant's electronic bid must be emailed to the Procurement Coordinator at the following email address: BidBox@parks.wa.gov. The email subject line should include the submittal identification number, "Submittal," and your company name (e.g., "**RFQ # Submittal ACME**"). Ensure the email, including attachments, is less than 30MB. It's recommended to keep it under 25MB. Zipped files are not accepted. All responses and any accompanying documentation become the property of State Parks and will not be returned.

State Parks will send an automatic acknowledgment of submittal receipt. This acknowledgment does not determine the submittal's responsiveness. If the consultant does not receive an acknowledgment within a reasonable time, it is the consultant's responsibility to contact State Parks for confirmation.

It is State Parks' expectation that the Consultant's submittal response email will contain an attachment with all of the required documents, including any required signatures.

Late responses will not be accepted and will be automatically disqualified from further consideration.

VERIFICATION: Consultants are welcome to contact the State Parks Contracts and Grants Program team (CGP) to see if your submittal response was received, however, this process works best if there's enough time between the date and time submitted and the bid's due date deadline. Send verification requests to: contracts@parks.wa.gov

The email subject line should include the bid identification number, "Verification," and your company name (e.g., "**RFQ # Verification ACME**")

CAUTION: Submit your submittal response early as a safeguard against any technological slow-down or delays. Submittals received after the deadline for any reason, no matter the cause, regardless of responsibility, will be rejected.

--- Late submissions will be considered non-responsive and may be rejected. ---

4.2 RESPONSE LAYOUT REQUIREMENTS

All pages in each attached file must be consecutively numbered. All pages must also contain the name of the Consultant, and the respective Appendix reference letter to which it applies. The required information may be located at the top or bottom (header or footer) of each page, but the location must be consistent throughout.

NOTE: Any attachment or exhibit to a response has to be adequately labeled -- to include the category/section/question to which it corresponds. If evaluators cannot easily identify the exhibited material to the evaluation question, or to the respective Consultant, the attachment may be disregarded.

5 EVALUATION AND AWARD

This section identifies how submittals for this Competitive Solicitation will be evaluated.

5.1 DETERMINATION OF RESPONSIVENESS

All Responses received by the stated deadline will first be reviewed by the Procurement Coordinator to ensure that the Responses contain all of the information required in this RFQ. Only responsive Responses that meet the requirements will be forwarded for further review. Any Response that does not contain all of the required information or any Consultant who does not meet the mandatory qualifications will be rejected as non-responsive and will be removed from further evaluation. However, the Procurement Coordinator has the right to waive, and/or seek correction of minor informalities that do not alter the content of the Response.

5.2 GENERAL EVALUATION PROVISIONS

The evaluation process is designed to award a contract to the Consultant with the best quality attributes based on the selected evaluation criteria.

Evaluations of subjective material (Appendix C) will be conducted by the evaluation team. State Parks has sole discretion over the selection of evaluators and will make such selections based on each potential evaluator's knowledge, skills, and experience with the subject matter. Each evaluator will independently grade and score the Consultant's material based on their own independent judgment, and in accordance with the format noted below for each respective requirement. Evaluators will only evaluate the material contained in the Responses and will not incorporate outside material into their determinations. Each evaluator has sole discretion over his or her final scores.

Consultants should take every precaution to assure that all answers are clear, complete, and directly responsive to each specific requirement.

5.3 SELECTION PROCESS

The selection process includes two potential phases. Phase 1 involves firms submitting their Statements of Qualifications (SOQs), which are scored and ranked based on the evaluation criteria specified in this RFQ. Following this, Phase 2, which is an optional Oral Presentation, may occur at the discretion of the evaluation team. If conducted, the highest-scoring firms from Phase 1, known as Finalists, will be invited to participate. In Phase 2, these Finalists are scored and ranked according to specific evaluation criteria for this phase.

The firm with the highest rank in Phase 2, if it takes place, will be chosen to enter negotiations to provide consultant services for this project. Please note that scores from Phase 1 and Phase 2 are not combined.

Should contract negotiations fail to be completed within a reasonable timeframe after initiation, State Parks may immediately cease contract negotiations and declare the firm with the next highest score as the new apparent most qualified firm and enter into contract negotiations with that firm.

5.4 SOQ EVALUATION CRITERIA (PHASE 1)

State Parks will use the below-noted point totals in its evaluation of the required materials.

Evaluation Criteria / Required Material	Maximum Possible Point Total
Appendix A: Consultant Profile	Pass/Fail Basis – no points
Appendix B: Certifications	Pass/Fail Basis – no points
Appendix C: Submittal - Describe the Consultant team’s approach to this work. Explain the methods and approach that will be used to develop a comprehensive design, manage project timelines, and develop construction documents and manage construction. List any subconsultants you may want to include to complete your roster of services. Describe the services each would provide.	30 Points
- Describe previous experience on similar projects by the Consultant that indicate the firm’s expertise in trail design and development: working collaboratively with the owner, sub-consultants, and stakeholders.	35 Points
- Describe how subconsultants, team members and team composition is relevant to the success of this project. Provide key staff resumes (1-page maximum for each). Provide a resume for each proposed subconsultant (2-page maximum for each). Provide the name and resume of the person who will be the lead contact for the project. Provide names and resumes for other staff, which includes information on the individual’s particular skills related to this project, education, experience, significant accomplishments, and any other pertinent information.	35 Points
Appendix D: References	Pass/Fail Basis – no points
Appendix E: Diverse Business Inclusion Plan	Pass/Fail Basis – no points
TOTAL:	100 Points

Points for Appendix C will be determined according to the following guidelines, and weighted appropriately:

Consultant demonstrates renowned experience (5 points)	Consultant demonstrates considerable experience (4 points)	Consultant demonstrates solid experience (3 points)	Consultant demonstrates adequate experience (2 points)	Consultant demonstrates limited experience (1 points)	Consultant demonstrates no experience (0 points)
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For example, a score of 4 points under Scoring Element #1 is worth 24 out of a possible 30 points; a score of 4 points under Scoring Element #2 is worth 28 out of a possible 35 points, etc.

5.5 ORAL PRESENTATIONS (OPTIONAL)

Oral presentations, if considered necessary by State Parks, may be utilized in selecting the winning response. State Parks, at its sole discretion, may elect to select the top-scoring firm(s) from the written evaluation for an oral presentation and contact the top-scoring firm(s) to schedule a date, time and location for an oral presentation. Commitments made by the Consultant at the oral interview, if any, will be considered binding.

The oral presentation shall determine the apparently successful consultant.

Oral Presentations on a specified date and time, and will be formatted in two periods:

- Firm Presentation Period (Maximum: 30 Minutes)
- Question and Answer (Q&A) Period (Maximum: 20 minutes)
- Firm Closing Statements (Maximum: 5 Minutes)

5.6 ORAL PRESENTATIONS EVALUATION CRITERIA (PHASE 2) — OPTIONAL

State Parks will use the point totals noted below in its evaluation of the oral presentation.

Oral Presentation Evaluation Criteria	Maximum Possible Point Total
Organization: - Management Plan - Team Member Qualifications - Capacity/Production Capabilities	25 points
Project Management: - Scope management - Budgeting and Cost Control - Project Scheduling	25 points
Project Approach - Understanding of this project - Challenges & Opportunities	25 Points
Experience - Relevant Past Projects (firm) - Relevant Past Project (key team members)	25 Points
TOTAL:	100 Points

Points for Oral Presentation will be determined according to the following guidelines, and weighted appropriately:

Consultant demonstrates renowned experience (5 points)	Consultant demonstrates considerable experience (4 points)	Consultant demonstrates solid experience (3 points)	Consultant demonstrates adequate experience (2 points)	Consultant demonstrates limited experience (1 points)	Consultant demonstrates no experience (0 points)
--	--	---	--	---	--

For example, a score of 4 points under Scoring Element #1 is worth 36 out of a possible 45 points; a score of 4 points under Scoring Element #2 is worth 32 out of a possible 40 points, etc.

5.7 SELECTION OF APPARENT SUCCESSFUL CONSULTANT

Note: The Consultant meeting all responsive criteria and having the highest final cumulative score will be selected as the Apparent Successful Consultant (ASC).

State Parks will notify the Apparent Successful Consultant(s) and the non-successful Consultants via email.

5.8 ANNOUNCEMENT OF APPARENT SUCCESSFUL CONSULTANT

Following the announcement of the ASC, Consultants may request a Debrief conference. The Consultant will have a short period of time to request the Debrief conference. NOTE: a Debrief conference is a mandatory prerequisite for any Consultant desiring to protest the award.

6 DEBRIEF AND PROTESTS

This section identifies how debriefings and protests for this Request for Qualifications are processed.

6.1 DEBRIEFING OF UNSUCCESSFUL CONSULTANTS

Consultants who submitted a Response will be given the opportunity for a debriefing conference. The Procurement Coordinator must receive the request for a debriefing conference within three (3) business days after the notification of unsuccessful Consultant email is sent. The debriefing shall be held within three (3) business days of the request.

Discussion will be limited to a critique of the requesting Consultant's Response including the factors considered in the evaluation of that Response and the Consultant's performance with regard to the solicitation requirements. Comparisons between Responses or evaluations of the other Responses will not be allowed. Debriefing conferences may be conducted in person or on the telephone and will be scheduled for a maximum of thirty (30) minutes.

6.2 PROCUREMENT RECORDS DISCLOSURE

A consultant may request copies of the solicitation and evaluation documents or inspect them to assess the efficacy of filing a protest. Such requests must be submitted online to the [State Parks Public Records Center](#). State Parks will respond within five business days of receiving the request.

The requested documents will either be sent to or made available to the requesting Consultant, except for any portions of the documents that have been identified as Proprietary Information. State Parks will follow the process set forth in Section 7.14 Public Disclosure & Proprietary Information, before disclosing any portions of Responses that have been identified as Proprietary Information.

If more time is needed, State Parks will inform the requestor of the date the requested documents will be available.

6.3 PROTESTS

Consultants protesting this procurement shall follow the procedures described in below. Protests that do not follow these procedures shall not be considered. This protest procedure constitutes the sole administrative remedy available to the Consultant under this procurement. State Parks will not accept any protest before the announcement of the Apparent Successful Consultant.

The protest procedure is only available to Consultants who submitted a response to this RFQ and who have participated in a debriefing conference. State Parks must receive a protest within five (5) business days of the debriefing.

6.4 GROUNDS FOR PROTEST

A protest may be made based only on the following grounds:

- A matter of bias, discrimination, or conflict of interest on the part of an evaluator;
- Errors in computing the scores; or
- Non-compliance with the procedures established in this Procurement document.

Protests not based on these grounds will not be considered. Protests will be rejected as without merit if they address issues such as: 1) An evaluator's professional judgment on the quality of a Response, or 2) State Parks' assessment of its own needs or requirements.

6.5 PROTEST FORM AND CONTENT

A Protest must state all of the facts and arguments upon which the Protest is based, and the grounds for the Protest. It must be in writing, clear and concise, and signed by a person authorized to bind the Consultant to a contractual relationship. At a minimum, the Protest must include:

- The name of the protesting Consultant, mailing address and phone number, and the name of the individual responsible for submission of the Protest;
- The RFQ number and title
- A detailed and complete statement of the specific State Parks actions under Protest;
- The grounds for the Protest;
- Description of the relief or corrective action requested. Consultant may attach supporting documentation to their Protest as they deem necessary and proper.

6.6 SUBMITTING A PROTEST

Protests must be in writing, must be signed by the Consultant and must be received by the State Parks Procurement Coordinator at the address below within five (5) Business Days after the debriefing conference. All protests shall be emailed to the Procurement Coordinator as follows:

Email: contracts@parks.wa.gov

The subject Line: **RFQ # Protest by** [Your firm's name].

Upon State Parks' receipt of a protest, a review and investigation will be conducted by a neutral party that had no involvement in the evaluation and award process. The reviewer will conduct an objective review of the Protest, based on the contents of the written Protest and the RFQ and any amendments, the Responses, all documents showing evaluation and scoring of the Responses record and any other pertinent information and issue a decision within ten (10) business days of receipt of the protest, unless additional time is needed. If additional time is needed, the protesting Consultant will be notified of the delay.

State Parks will make a final determination on the protest; in accordance with such findings, State Parks will:

- a. Find the protest lacking in merit and uphold State Parks' action; or
- b. Find only technical or harmless errors in State Parks' acquisition process and determine State Parks to be in substantial compliance and reject the protest; or
- c. Find merit in the protest and provide State Parks options which may include:
 - 1) that State Parks correct the errors and re-evaluate all Responses;
 - 2) that State Parks reissue the RFQ document and begin a new process;
 - 3) other courses of action as appropriate.

If the reviewer determines that the protest is without merit, State Parks may enter into a contract with the Apparent Successful Consultant. If the protest is determined to have merit, State Parks will take the appropriate alternative as noted in the preceding paragraph.

7 ADDITIONAL GENERAL PROVISIONS FOR ALL CONSULTANTS

This section identifies additional provisions for this Competitive Solicitation.

7.1 ANNOUNCEMENT AND SPECIAL INFORMATION

By responding to this RFQ, a Consultant acknowledges they have read and understand the entire RFQ and accepts all information contained within the RFQ without modification.

7.2 CONTRACTING WITH CURRENT OR FORMER STATE EMPLOYEES

Specific restrictions apply to contracting with current or former state employees pursuant to chapter 42.52 of the Revised Code of Washington (RCW). Those restrictions also apply to any Consultant submitting a Response under this RFQ who has hired a former state employee. Consultants should

familiarize themselves with the requirements prior to submitting a Response that includes current or former state employees.

7.3 AMENDMENTS TO THE RFQ

State Parks reserves the right to revise this RFQ. All changes will be made by written amendment. All official amendments will be posted in WEBS and will automatically become incorporated as part of this RFQ. If there are any conflict between amendments, or between an amendment and the RFQ, whichever document was issued last in time will be controlling.

Amendments will be made in consideration to the overall timeline; State Parks will determine whether extensions to the timeline are necessary.

7.4 RESPONSIVENESS OF CONSULTANT'S RESPONSE

Each Consultant is specifically notified that failure to comply with any part of the solicitation may result in rejection of their Response as non-responsive. Rejected, non-responsive Responses will not be scored. State Parks will not be liable for any errors or omissions in Consultant's Response. Consultants will not be allowed to alter their Response after the Response Submission Deadline.

It is the responsibility of each Consultant to carefully read, understand, and follow all the instructions contained in this RFQ, and in any future amendments. If a Consultant does not fully understand any Response requirement, said Consultant should submit an inquiry to the Procurement Coordinator. Consultants are hereby notified that failure to comply with any solicitation requirement may result in the Response being rejected as non-responsive. State Parks reserves the right to waive any administrative, minor irregularity in a Response, but it is not required to do so.

7.5 CLARITY AND CLARIFICATIONS

State Parks will make the sole determination of clarity and completeness of the Responses. No Response may be altered or amended after the submission deadline; however, State Parks reserves the right to contact a Consultant for clarification of responsive contents if necessary. NOTE: This clarification process is only used to clarify information that was contained within the Response; it is not a means of providing or incorporating new information that was otherwise not initially included. Evaluators have no obligation to seek or request a clarification; they may evaluate the response as provided.

7.6 COST OF RESPONSE PREPARATION

State Parks will not reimburse Consultants for any costs associated with preparing or presenting a Response to this solicitation.

State Parks will not be liable for any costs incurred by the Consultant in preparation or presentation of a responsive Response to this RFQ.

State Parks will not pay for any costs accrued prior to a mutually executed contract resulting from this RFQ.

7.7 OWNERSHIP OF RESPONSES

All Responses and materials submitted in response to this RFQ become the property of State Parks. State Parks has the right to use information or adaptations of information that is presented in a response, unless the information is marked "Proprietary" and is not: (1) already known to State Parks prior to receipt of the information in the Response or materials submitted in response to this RFQ, (2) subsequently disclosed to State Parks by a third party who has the lawful right to make such disclosure, or (3) lawfully publicly available. Selection or rejection of the offer will not affect this right.

7.8 FINAL SELECTION & NO OBLIGATION

State Parks reserves the right, at its sole discretion, to reject all responses without penalty and not to issue a contract as a result of this solicitation. State Parks further reserves the right to cancel or reissue this RFQ prior to execution of a contract, if it is in the best interest of State Parks to do so, as determined by State Parks in its sole discretion.

7.9 INCORPORATION OF RESPONSE IN CONTRACT

The Consultant's response, including all promises, warranties, commitments, and representations made in the successful Response, are binding and shall be incorporated by reference into State Parks' contract with the Consultant.

7.10 AGREEMENT TO STATE PARKS CONTRACT TERMS AND CONDITIONS

Attached as Exhibit A is a draft document that includes State Parks' contract terms and conditions. These terms and conditions will be incorporated into the final contract between State Parks and the Apparent Successful Consultant. Each Consultant's submission of its Response confirms that Consultant's consent to these terms and conditions.

7.11 STATEWIDE VENDOR PAYMENT REGISTRATION

Consultants are urged to be registered in the Statewide Vendor Payment system, prior to submitting a request for payment under this Contract. The Washington State Office of Financial Management (OFM) maintains a central contractor registration file for Washington State agencies to process contractor payments.

To obtain registration materials go to the Statewide/Vendor Payee Services (SWPS) website at <https://ofm.wa.gov/it-systems/statewide-vendorpayee-services> . The registration form has two parts. Part 1 is the information required to meet the above registration condition. Part 2 allows State Parks (and other state agencies) to pay invoices electronically with direct deposit. This is the most efficient method of payment and vendors are encouraged to sign up.

7.12 MINORITY WOMEN OWNED AND VETERAN OWNED BUSINESS ENTERPRISES

In accordance with the legislative findings and policies set forth in chapter 39.19 RCW, and RCW 43.60A.200 and 39.22.240, the State of Washington encourages participation by veteran owned business enterprises and Minority & Women Owned Business Enterprises (MWBE), either self-identified or certified by, respectively, the Department of Veterans Affairs or the Office of Minority & Women's Business Enterprises (OMWBE). While the State does not give preferential treatment, it does seek equitable representation from the veteran owned business and minority and women's business communities.

Participation by veteran owned and MWBE Consultants may be either on a direct basis in response to this RFQ or as a subconsultant to a prime Consultant. However, no preference will be given in the evaluation of Responses, no minimum level of MWBE or veteran-owned business participation shall be required, and Responses will not be evaluated, rejected or considered non-responsive on that basis.

Consultants may contact the Office of Minority & Women's Business Enterprises (OMWBE) at <https://omwbe.wa.gov/about-omwbe/contact-us-directions> and/or the Department of Veterans Affairs at <https://dva.wa.gov/veterans-their-families/veteran-owned-businesses/vob-search> to obtain information on certified firms for potential sub-contracting arrangements or for information on how to become certified.

7.13 SUBCONSULTANT PARTICIPATION MONITORING AND REPORTING

Once a contract is awarded through the solicitation or proposal process, the awarded Prime Consultant is obligated to complete the vendor registration in Access Equity. Access Equity is a secure online vendor management system (B2GNow). Confidential information (Tax ID, etc.) will

not be published. Prime Consultants that have previously registered with B2Gnow for any public entity, must verify the system has updated information. Consultants can access the system at <https://omwbe.diversitycompliance.com/> or through a direct link on the Office of Minority and Women's Business Enterprises (OMWBE) website at: <https://omwbe.wa.gov/>.

Each month during the contract, the Prime Consultant will report payments to ALL Subconsultants through the Access Equity system. This monthly reporting information includes total payment in dollars made to the Subconsultant, payment dates, and any additional information required to verify payment to Subconsultant. The Prime Consultant will enter this payment information into the Access Equity system, and the Subconsultants will verify this payment information in the system. Online training is available through the Access Equity/B2Gnow system. This requirement applies to both Prime Consultants and Subconsultants.

7.14 PUBLIC DISCLOSURE & PROPRIETARY INFORMATION

State Parks is subject to the Public Records Act, chapter 42.56 RCW. Submittals and evaluations may not be disclosed while the RFQ is pending (RCW 39.26.030); however, all of the submissions and evaluations may be disclosed after the announcement of the Apparent Successful Consultant. Portions of a Consultant's Response may be protected from disclosure through the process set forth below.

If a Consultant wants to protect any Proprietary Information that is included in its response, the information must be clearly identified by Consultant as Proprietary Information. Each page containing information that is claimed to be exempt from disclosure must be clearly identified by the word "Proprietary" printed on the lower right-hand corner of the page.

Any attempts to overly restrict disclosure through use of footers on every page and/or other like statements restricting disclosure will not be honored and may subject Consultant to disqualification.

State Parks will maintain the confidentiality of all information marked Proprietary to the extent consistent with the Public Records Act. If a public disclosure request is made to view Consultant's Proprietary Information, State Parks will notify the Consultant of the request and of the date that the Proprietary Information will be released to the requester unless the Consultant obtains a court order from a court of competent jurisdiction enjoining that disclosure. If the Consultant fails to obtain the court order enjoining disclosure, State Parks will release the Proprietary Information, on the date specified.

State Parks sole responsibility shall be limited to maintaining the Consultant's true and actual Proprietary Information in a secure area and to notify Consultant of any request(s) for disclosure for so long as State Parks retains Consultant's information in State Parks records. Failure to so label such materials or failure to timely respond after notice of request for public disclosure has been given shall be deemed a waiver by Consultant of any claim that such materials are exempt from disclosure.

Consultant may seek the information from all other Responses once the Apparent Successful Consultant is announced.

7.15 CIVIL RIGHTS COMPLIANCE

The Director of the Washington State Parks and Recreation Commission, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all Consultants will be afforded full opportunity to submit submittals in response to this invitation and will not be discriminated against on the grounds of the owner's race, color, national origin, sex, age, disability, income-level, or LEP in consideration for an award. State Parks will also affirmatively ensure that any contract entered into pursuant to this solicitation will require full incorporation of these rights in relation to all employees, personnel, and agents of the Consultant.

8 APPENDICES and EXHIBITS

All Appendices noted below must be included as part of the Consultant's Response

Appendix A, Consultant Profile (Mandatory - sign and return)

Appendix B, Certifications (Mandatory - sign and return)

Appendix C, Submittal (Mandatory – write and return)

Appendix D, References (Mandatory - complete and return – and notify References)

Appendix E, Diversity Business Inclusion Plan (Mandatory - complete and return)

The following Exhibits are solely for consultant's information and do not need to be returned.

Exhibit A. Draft/Sample Service Agreement for Apparent Successful Consultant.

Exhibit B. Trail Section Graphic

Exhibit C. Alternatives Report

Exhibit D. Alignment Drawings

**APPENDIX A
CONSULTANT PROFILE**

Consultant must provide all requested information in the space provided next to each numbered section below.

Many of the questions require information if you answer “yes”. Please provide your response in the space provided unless otherwise directed to submit on a separate page (note: the spaces provided can expand to allow for more text to be typed in if necessary). If you are directed to provide answers on a separate page, please identify the question and corresponding number that you are responding to, and attach that document to this Appendix A.

COMPANY INFORMATION

(a)	Firm Legal Name*			
	Street Address**			
	Mailing Address			
	City, State, ZIP			
Consultant Organization Type: Check appropriate box		Corporation:	<input type="checkbox"/> Domestic	<input type="checkbox"/> Foreign
		Limited Liability Company (LLC):	<input type="checkbox"/> Domestic	<input type="checkbox"/> Foreign
		Partnership:	<input type="checkbox"/> Domestic	<input type="checkbox"/> Foreign
		Sole Proprietorship:	<input type="checkbox"/>	
		<small>* Note: A sole proprietorship is an unincorporated business owned and run by an individual with no distinction between the business and the owner. It is not a legal entity. It simply refers to a person who owns the business and is personally responsible for its debts and who pays personal income taxes on profits earned from the business. If you are a consultant who operates a business on your own, you automatically are a sole proprietor unless you have adopted a business structure (e.g., corporation, LLC, partnership).</small>		

***Legal Name:** Many companies use a “Doing Business As” name or a nickname in their daily business. However the State requires the legal name of your company as it is legally registered in the State of Washington or the state in which your company was registered. This should include the type of entity – Inc., LLC, LP, etc.

(b)	DBA (if any)			
	Telephone Number(s)			
	Area Code:	Number:	Extension:	
	Area Code:	Number:	Extension:	

(c)	A list identifying which parties of the organization have the authority to sign contracts/ amendments on behalf of the Consultant's entity.

(d)	Names, addresses, e-mail addresses and telephone numbers of the sole proprietor, partners, or principal officers as appropriate to the organization		
	Name & Title:		
	Address:		
	Email Address:		
	Telephone Number		
	Area Code:	Number:	Extension:

**APPENDIX A
CONSULTANT PROFILE**

(e)	Primary Contact Person for Questions/Contract Negotiations, including address if different than above		
	Name & Title:		
	Address:		
	Email Address***:		
	Telephone Number for Contact Person		
	Area Code:	Number:	Extension:

*** **Email Address:** The email address provided by the Consultant in subsection (e) will be used for officially contacting the Consultant for purposes of the competition. If the email address is left blank, then the email address provided in subsection (d) will be used.

(f)	WA State UBI	
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(g)	Statewide Vendor Number (SWV)	
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Consultant is urged to be registered with the Washington State Office of Financial Management as a statewide vendor. **If no current SWV number**, affirm that your organization will obtain a SWV number within ten (10) days of executing contract. YES NO

(h)	Federal Tax Identification Number	
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Is your firm certified as a minority or woman owned business with the Washington State Office of Minority & Women's Business Enterprises (OMWBE)?	Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide Consultant's MWBE certification no.: _____
Is your firm a self-certified Washington State Small Business? <i>Note:</i> Regardless of size, a qualifying business must be owned and operated independently from all other businesses. In regard to size, the gross revenue thresholds, as reported on Consultant's tax returns, are as follows: <ul style="list-style-type: none"> ▪ Microbusiness: Annual gross revenue of less than one million dollars. ▪ Mini business: Annual gross revenue of more than one million dollars, but less than three million dollars. ▪ Small Business: Annual gross revenue of less than seven million dollars over each of the three prior consecutive years. 	Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide the location for Consultant's principal place of business: _____ Street Address _____ City, State, Zip Code If yes, what is your business size (based on annual gross revenue)? Microbusiness <input type="checkbox"/> Mini business <input type="checkbox"/> Small Business <input type="checkbox"/>
Is your firm certified as a Veteran-Owned Business with the Washington State Department of Veteran Affairs?	Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide Consultant's WDVA certification no.: _____

CONFIDENTIALITY

(i)	Are there any pages in the Proposal that the Consultant has marked as “Confidential” or “Proprietary”	<input type="checkbox"/> YES <input type="checkbox"/> NO
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If yes, any information in the Proposal that the Consultant desires to claim as proprietary and exempt from disclosure under the provisions of Chapter 42.56 must be clearly designated. Each page containing information claimed to be exempt from disclosure must be clearly identified by the word “Privileged” or “Confidential” printed on the lower right-hand corner of the page. Additionally, Consultant must include a separate piece of paper attached to this **Appendix A**, indicating the pages that have been marked “Confidential” and the particular exception from disclosure upon which the Consultant is making the claim. Failure to follow these rules waives Consultant’s claim.

AUTHORIZED SIGNATURES

By signing below, you hereby certify that you are an authorized representative of your firm/company and empowered to negotiate, enter into, and execute, in the name and on behalf of your firm/company, any agreements or documents associated with this RFQ and to bind your firm/company to the obligations stipulated therein.

Signature (Individual must be authorized to Bind the Organization)	
Signature:	Date:
Print Name:	

CERTIFICATIONS AND ASSURANCES

Consultant, through the duly authorized undersigned, makes this certification as a required element of submitting a responsive submittal. Consultant certifies, to the best of its knowledge and belief that the following are true, complete, correct, and made in good faith:

1. I/we make the following certifications and assurances as a required element of the proposal to which it is attached, understanding that the truthfulness of the facts affirmed here and the continuing compliance with these requirements are conditions precedent to the award or continuation of the related contract(s):
2. I/we declare that all answers and statements made in the proposal are true and correct.
3. The prices and/or cost data have been determined independently, without consultation, communication, or agreement with others for the purpose of restricting competition. However, I/we may freely join with other persons or organizations for the purpose of presenting a single proposal.
4. The attached proposal is a firm offer for a period of 60 days following receipt, and it may be accepted by State Parks without further negotiation (except where obviously required by lack of certainty in key terms) at any time within the 60-day period.
5. In preparing this proposal, I/we have not been assisted by any current or former employee of the state of Washington whose duties relate (or did relate) to this proposal or prospective contract, and who was assisting in other than his or her official, public capacity. (Any exceptions to these assurances are described in full detail on a separate page and attached to this document.)
6. I/we understand that State Parks will not reimburse me/us for any costs incurred in the preparation of this proposal. All proposals become the property of State Parks, and I/we claim no proprietary right to the ideas, writings, items, or samples, unless so stated in this proposal.
7. Unless otherwise required by law, the prices and/or cost data that have been submitted have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by him/her prior to opening, directly or indirectly to any other Proposer or to any competitor.
8. Consultant certifies No Termination For Default or Cause. Consultant has not, within the three (3) year period preceding the date of this Competitive Solicitation, had one (1) or more federal, state, or local governmental contracts terminated for cause or default.
9. Consultant certifies, Taxes Paid. Except as validly contested, Consultant is not delinquent and has paid or has arranged for payment of all taxes due to the State of Washington and has filed all required returns and reports as applicable.
10. Consultant certifies, Financially Solvent. Consultant is financially stable and solvent, has adequate cash reserves to meet all financial obligations, has not commenced bankruptcy proceedings voluntarily or otherwise, and is not subject to any judgments, liens, or encumbrances of any kind affecting title to any Professional Services that are the subject of this Competitive Solicitation.
11. I/we agree that submission of the attached proposal constitutes acceptance of the solicitation contents and the attached sample contract and general terms and conditions (if any), and any other instructions, Terms & Conditions, AND competition amendments to the same. Further:
 1. Alterations to State Parks Documents: I/My Firm understand and agree that I/My Firm shall not and has not altered or deviated from the original competition and any follow-on competition amendments and if my/my Firm's submittal response received by State Parks materially alters or

deviates from the competition or competition amendments (if any) then the submittal response may be disqualified. Whether the alteration is noticed or not noticed by State Parks, any resulting contract (including any type of order placement) SHALL continue with the altered portions or deviations being ignored in favor of the State Parks official language (original competition and any follow-on competition amendments) as posted on the Washington Electronic Business Solutions (WEBS) which acts as the system of record for this competition. The awarded Contractor understands, agrees, and accepts this provision and SHALL hold harmless and save harmless the State Parks.

2. Unrequested Supplemental Materials in Consultant Submittal Response: I/My Firm understands and agrees that I/My Firm shall not and has not supplemented my/my Firm's Submittal Response with unrequested materials. Whether the unrequested material is noticed or not noticed by State Parks, any resulting contract (including any type of order placement) SHALL continue with the unrequested material being ignored in favor of the State Parks official language. The awarded Consultant understands, agrees, and accepts this provision and SHALL hold harmless and save harmless the State Parks.
12. No attempt has been made or will be made by the Proposer to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition.
13. I/we grant State Parks the right to contact references and others who may have pertinent information regarding the Proposer's prior experience and ability to perform the services contemplated in this procurement.
14. If any staff member(s) who will perform work on this contract has retired from the State of Washington under the provisions of the 2008 Early Retirement Factors legislation, his/her name(s) is noted on a separately attached page.
15. Consultant's Waiver And Release of Information, Public Disclosure is Authorized and Not Restricted:
I/My Firm grants to the State of Washington and the Washington State Parks and Recreation Commission a full and complete release of information of my/my Firm's submittal response and other documents or information pertaining to the same and if also awarded the contract, then to the contract and any documents or information involving or pertaining to the contract. Markings of "confidential", "proprietary" or similar term are unintentional and SHALL be ignored. Further, these materials or submittal response may be publicly disclosed with no advanced notice to the Consultant (me/my Firm). The Consultant/awarded Consultant (me/my Firm) understands, agrees, and accepts this provision and SHALL hold harmless and save harmless the State of Washington and State Parks.
16. Certification - Wage Theft Prevention:
Prior to awarding a contract, agencies are required to determine that a Consultant is a 'responsible Consultant.' See RCW 39.26.160(2) & (4). Pursuant to legislative enactment in 2017, the responsible Consultant criteria include a Consultant/contractor certification that the Consultant/contractor has not willfully violated Washington's wage laws. See Chap. 258, 2017 Laws (enacting SSB 5301).
I/My Firm certifies under penalty of perjury under the laws of the state of Washington the following is true and correct: No Wage Violations. This Firm has NOT been determined by a final and binding citation and notice of assessment issued by the Washington Department of Labor and Industries or through civil judgement entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082. any provision of RCW chapters 49.45, 49.48., or 49.52 within the three (3) prior years to the date of this competition's date of issue.

**APPENDIX B
CERTIFICATIONS**

17. Certification - Supporting Workers' Rights:

Pursuant to the Washington State Governor's Executive Order 18-03 (dated June 12, 2018), the Washington State Parks and Recreation Commission is seeking to contract with qualified entities and business owners who certify that their employees are not, as a condition of employment, subject to mandatory individual arbitration clauses and class or collective action waivers.

I/My Firm certifies under penalty of perjury under the laws of the state of Washington the following is true and correct: No Mandatory Individual Arbitration Clauses and Class or Collective Action Waivers for Employees. This firm does NOT require its employees, as a condition of employment, to sign or agree to mandatory individual arbitration clauses or class or collective action waivers.

18. Electronic Submission of Documents are Legally Binding:

Washington State recently enacted law allowing for electronic alternatives to pen-to-paper wet-ink signature on hardcopy documents, meaning if State Parks agrees to alternatives other than wet-ink signature (pen-to-paper) on hardcopy documents, these alternatives may be accepted by State Parks and are legally binding. See RCW 1.80.

For purposes of this competition document State Parks is accepting a PDF scan (or similar representation) of the Consultant's wet-ink signature in the signature space below. **For clarity:** Print out the competition document, review it, include any other required document(s), complete where necessary, sign where you need to sign with a pen onto the paper, when you believe your submittal response is ready to be submitted to State Parks, **scan it as a PDF** file, review the PDF file one last time, and then attach the PDF file to your business email and send it to State Parks. For expanded details see Section 4.1 – Submission of Responses.

I/My Firm certifies under penalty of perjury under the laws of the state of Washington that submission of my/my Firm's submittal response and accompanying copy of my signature is legally binding on me/my firm, and that the State Parks may rely upon its authenticity.

I, acting as my Firm's authorized representative declare on behalf of me/my firm under penalty of perjury under the laws of the State of Washington forgoing Certification and Assurances and Waiver is true and correct.

CONSULTANT

NAME: _____
Print Name of Consultant – Print full legal entity name of the firm submitting the submittal If Consultant is a sole proprietor, print the full legal name of the individual who is the Consultant submitting the submittal

By: _____
Signature of Consultant's authorized person

Print Name of person making certifications for Consultant

Title: _____
Title of person signing certificate

Place: _____
Print city and state where signed

Date: _____

APPENDIX C SUBMITTAL

The Submittal section of the response must contain information that will demonstrate to the evaluation committee the Consultant's understanding of the types of services proposed, the firm's ability to accomplish them, and the ability to meet tight timeframes.

See Section 3.4 of this RFQ for more information.

**APPENDIX D
REFERENCES**

Consultant to complete and return the following reference information forms with response:

It is the Consultant's responsibility to make sure the information provided herein is accurate, and that the reference will be responsive to State Parks' inquiry.

Referral 1:		
Consultant's (your) Name: _____		
Note: submission of this form constitutes permission for State Parks to contact the reference indicated.		
Name reference: corporation/agency	Name of person to provide referral	Email of person to provide referral
Identify nature of services Provided	Date the services were provided:	Full costs for services provided:

Referral 2:		
Consultant's (your) Name: _____		
Note: submission of this form constitutes permission for State Parks to contact the reference indicated.		
Name reference: corporation/agency	Name of person to provide referral	Email of person to provide referral
Identify nature of services Provided	Date the services were provided:	Full costs for services provided:

Referral 3:		
Consultant's (your) Name: _____		
Note: submission of this form constitutes permission for State Parks to contact the reference indicated.		
Name reference: corporation/agency	Name of person to provide referral	Email of person to provide referral
Identify nature of services Provided	Date the services were provided:	Full costs for services provided:

Prime Consultant Diverse Business Inclusion Plan

Prime Consultant Name: _____

For the purposes of this form, Washington State-certified diverse businesses are defined as follows:

- Minority Business Enterprise (MBE), Women’s Business Enterprise (WBE), or combination of the two. Certified by the Office of Minority and Women’s Business Enterprises (OMWBE): <http://omwbe.wa.gov/>
- Veteran-owned Business. Certified by the Department of Veteran’s Affairs (DVA): <http://dva.wa.gov/>
- Small Business (includes Mini and Micro businesses). Certified through the Washington Electronic Business Solution (WEBS): <https://fortress.wa.gov/ga/webs/home.html>

Anticipated Certified Diverse Business Participation Goals

Subcontracting means direct performance of commercially useful work through subcontracting as part of the proposed project team. Of the total contract work, what are the diverse business participation goals proposed for subcontracting on your team? Please only include the above-listed Washington State certification types in your “Consultant-defined Anticipated Percent of Contract Amount (Goals)” estimate. Zero percent (0%) is not a goal.

Anticipated Certified Diverse Business Participation Goals	Washington State Goals	Consultant-defined Anticipated Percent of Contract Amount (Goals)
Minority-owned business (MBE)	10%	%
Women-owned business (WBE)	6%	%
Veteran-owned business (DVA)	5%	%
Small business	5%	%

Subcontracting Team

List the names of the diverse businesses you anticipate using on this project. Generally describe the work you expect the diverse business to perform and identify the percent of total contract value intended for each diverse business. Please include the above-listed Washington State certification types. *If necessary, add more rows below.*

Name of Diverse Business	Specify Diverse Business Certification (circle one or more)	Describe Trade or Task	Anticipated Percent of Contract Amount
	MBE, WBE, DVA, Small		%
	MBE, WBE, DVA, Small		%
	MBE, WBE, DVA, Small		%
	MBE, WBE, DVA, Small		%
	MBE, WBE, DVA, Small		%

Describe bidder’s plan to meet or exceed bidder’s voluntary diverse business inclusion plan – subcontractors’ goals, including outreach.

**APPENDIX E
INCLUSION PLAN**

Diverse Expert:

Identify the person within your team to manage your diverse inclusion responsibilities.

Diverse Expert Name: _____

Diverse Expert Contact Information: _____

Diverse Expert Firm (if another firm is managing participation): _____

Past Performance

Please select **five (5) of your projects** with Washington State-certified diverse business participation (MBE, WBE, DVA, and/or Small/Mini/Micro) and list them below **for the last five (5) years**. If you do not have any projects that tracked or reported diverse business participation, you may leave this section blank. In that case, please attach an additional sheet with explanation.

You may have projects with diverse business participation for an organization or entity that required *different* diverse business categories (including self-certification). If so, please attach a sheet with the same column data and information but include percentages for the categories that were tracked during the project.

Contract Name	Contracting Agency or Entity	Contract Amount	Year	Percent of Contract Amount	
		\$		Minority-owned business:	%
				Women-owned business:	%
				Veteran-owned business:	%
				Small/mini/micro business:	%
Contract Name	Contracting Agency or Entity	Contract Amount	Year	Percent of Contract Amount	
		\$		Minority-owned business:	%
				Women-owned business:	%
				Veteran-owned business:	%
				Small/mini/micro business:	%
Contract Name	Contracting Agency or Entity	Contract Amount	Year	Percent of Contract Amount	
		\$		Minority-owned business:	%
				Women-owned business:	%
				Veteran-owned business:	%
				Small/mini/micro business:	%
Contract Name	Contracting Agency or Entity	Contract Amount	Year	Percent of Contract Amount	
		\$		Minority-owned business:	%
				Women-owned business:	%
				Veteran-owned business:	%
				Small/mini/micro business:	%
Contract Name	Contracting Agency or Entity	Contract Amount	Year	Percent of Contract Amount	
		\$		Minority-owned business:	%
				Women-owned business:	%
				Veteran-owned business:	%
				Small/mini/micro business:	%

State Parks will review the submitted inclusion plan for genuine efforts.

CONSULTANT A/E SERVICES AGREEMENT

Project Location: «LocationName» State Park

Agreement No. AE «ContractNumber»

Project Title: «ProjectName»

The Washington State Parks and Recreation Commission (State Parks) and the Consultant named below do hereby enter into this Agreement for the project designated above (the Project) under the terms described in the following Articles. This Agreement is made effective on the date signed by State Parks, and the return of a fully executed original from State Parks to the Consultant shall constitute the necessary Notice to Proceed.

- | | |
|--|---------------------------------|
| I. Authorization to Proceed | IV. Compensation |
| II. Compensation Summary | V. Voluntary MWBE Utilization |
| III. Scope of Services & Schedule of Performance | VI. Conditions of the Agreement |

I. AUTHORIZATION TO PROCEED

Consultant:

«ContractorConsultantName»
«PhysicalAddress»
«PhysicalCity», «PhysicalState»
«PhysicalZipCode»

«FirstName» «LastName», «Title»
Phone: «PhoneNumber»
Email: «EmailAddress»

State Parks:

**Washington State
Parks and Recreation Commission**
1111 Israel Road SW
PO Box 42650
Olympia, WA 98504-2650

(360) 902-8554
ContractsandProcurement@parks.wa.gov

By _____

Title _____

Date _____

UBI No. _____ «UBINumber»

Fed. Tax Id. No. _____ «FederalID»

By _____

Mark Bibeau,
Title Chief Financial Officer

Date _____

Approved as to form:

James R. Schwartz
Assistant Attorney General
July 15, 2016

II. COMPENSATION SUMMARY

Basic Services Compensation \$ _____ «OrigContractAmount»

Additional Services Compensation \$ _____

Not to Exceed Agreement Total \$ _____ «OrigContractAmount»

III. SCOPE OF SERVICES AND SCHEDULE OF PERFORMANCE

A. Scope of Services

As authorized under Chapter 39.80 RCW - Contracts for Architectural and Engineering Services, the Consultant shall perform Basic Services for the Project in accordance with Article VI, Conditions of the Agreement, and as described in the following Scope of Services...

(enter here or if scope is attached, insert the following after "Scope of Services")
...attached to and made a part of this Agreement as Attachment A.

B. Schedule of Performance

The Consultant shall perform the Services according to the following schedule...

(enter here or if scope is attached, insert the following after "... schedule") ... attached to and made a part of this Agreement as Attachment B.

Unless otherwise amended in writing, this agreement shall automatically terminate on June 30, 2023 (or end of current fiscal year/biennium)

C. Additional Services

Changes to the Services above shall be considered Additional Services only when agreed in advance by State Parks and the Consultant that such changes constitute a material addition or change to the previously authorized Services, and when authorized by State Parks in the form of an amendment to this Agreement, setting forth the scope of services, schedule of performance, and compensation for the Additional Services, and signed by both parties in accordance with Article VI, section C.

IV. COMPENSATION

A. Basic Services Compensation

Compensation for rendering the Basic Services detailed in the scope of services under Article III A. of this Agreement shall not exceed «**Origcontractamount**»ths Dollars («**OrigContractAmount**»), which shall include all expenses the Consultant may incur on behalf of the project.

B. Additional Services Compensation

If the Consultant is authorized by Amendment to this Agreement to perform Additional Services, compensation for such services shall be established in the Amendment as being on the basis of either a not to exceed lump sum fee or on actual time expended and expenses incurred, up to a fixed not to exceed amount (not to exceed time and expense).

Consultant handling fee for sub-consultants is ten percent.

C. Reimbursable Expenses

1. Travel: Travel within a 50-mile radius shall be considered a Basic Service and is not a reimbursable expense. Travel between a 50 and 350-mile radius may be negotiated as an additional service at not greater than the approved State rate, and must be pre-approved. Any cost reimbursement for travel beyond the 350-mile radius requires written justification and prior approval from State Parks.

2. Miscellaneous, routine overhead expenses incurred in the normal process of performing basic services or authorized additional services such as telephone costs, mail, clerical supplies, computer, copying, fax, transportation, etc. are not

reimbursable.

3. The first hard copy of the deliverables for owner's review is not a reimbursable expense.

V. VOLUNTARY MWBE UTILIZATION

A. Voluntary MWBE Goals

The following voluntary Minority and Women Business Enterprises (MWBE) participation goals have been established for this project:

Minority Business Enterprise (MBE)	10%
Women Business Enterprise (WBE)	6%

Achievement of the goals is encouraged. However, unless required by federal statutes, regulations, grants, or terms referenced in this Agreement, no minimum level of MWBE participation shall be required. The Consultant may contact the Office of Minority and Women Business Enterprises (OMWBE) at (360) 753-9693 to obtain information on certified firms for potential sub-consultants.

The Consultant shall send written notification to State Parks within thirty (30) days following execution of this Agreement, listing MWBE firms intended for use, the tax identification number (TIN) for each firm, and the anticipated dollar value of participation.

Prior to the final payment for services, the Consultant shall furnish a statement, in a form designated by State Parks, of the actual dollars earned by each MWBE firm utilized and the totals earned in each category.

VI. CONDITIONS OF THE AGREEMENT

A. State Parks Responsibilities

1. Upon request, State Parks shall promptly furnish to the Consultant such information and documents within its control and possession to the extent State Parks agrees is necessary for the performance of the services.
2. State Parks shall designate representatives authorized to act in State Parks' behalf. References in this Agreement to "State Parks" shall include the State Parks designated representative. The representatives shall examine the documents submitted by the Consultant, consult with the Consultant on problems as they may arise, coordinate the State Parks' services with those of the Consultant, render decisions and advise the Consultant promptly in order to avoid any unreasonable delay in the progress of the Consultant's work.

B. Consultant's Basic Services

1. The Consultant shall perform the Services as expeditiously as is consistent with the orderly progress of the work and to the degree of professional skill, care, and judgment commensurate with that which is normally exercised by recognized professional firms performing similar services under similar circumstances to the Services required for this Project.
2. The Consultant shall perform the Services in accordance with the schedule specified in Article III., B., Schedule of Performance. It shall be the Consultant's responsibility

to promptly inform State Parks of any deviations from the schedule.

3. The Consultant shall, with State Parks' concurrence, designate any Subconsultants as may be necessary to fully accomplish the Services. Upon request, the Consultant shall furnish to State Parks a copy of the Consultant's contract(s) with its Subconsultants.
4. The Consultant shall cooperate with State Parks and shall coordinate its services with related work performed by State Parks and others.
5. The Consultant shall provide sufficient numbers of copies, as requested by State Parks, of draft and complete final project documents and reports called for in Article III. A., Scope of Services. Such documents and reports shall include, but not necessarily be limited to presentation materials, surveys, studies, drawings, maps, photographs, assessments, calculations, computer program files on electronic media and any other supportive data and materials as State Parks may reasonably require.
6. In the performance of this Agreement, the Consultant shall act as an independent contractor, maintaining full and complete control and responsibility for and over the Consultant's employees.

C. Payments to the Consultant

1. Payments for the Consultant's Basic Services and Additional Services may be made monthly upon submittal to State Parks of the Consultant's invoice for services, in a form designated by State Parks.
2. If the Consultant and State Parks cannot agree to a sum for an additional service, State Parks reserves the right to employ other means to accomplish the work.
3. Payment for Additional Services is subject to the conditions of Article III, C.

D. Successors and Assigns

The Consultant shall not assign, sublet, or transfer this Agreement or any right or interest in this Agreement without the prior written consent of State Parks. Any such assignment made without State Parks' consent shall be voidable at State Parks' option.

E. Non-Discrimination

Except to the extent permitted by a bona fide occupational qualification, the Consultant agrees as follows:

1. The Consultant shall not discriminate against any employee or applicant for employment because of race, creed, color, national origin, marital status, sex, age, the presence of any sensory, mental, or physical handicap, nor commit any other unfair practice as defined in RCW 49.60. The Consultant shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, creed, color, national origin, gender, marital status, sex, age, or the presence of any sensory, mental or physical handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment, advertising, layoff,

termination, rates of pay or other forms of compensation, and selection for training.

2. The Consultant shall in all solicitation for employees or job orders for employees placed with any employment agency, union, or other firm or agency, state that all qualified applicants shall receive consideration for employment without regard to race, creed, color, national origin, marital status, sex, age, or the presence of any sensory, mental, or physical handicap. The words "equal opportunity employer" in advertisements shall constitute compliance with this Article.
3. The Consultant shall include the provisions of the foregoing paragraphs 1 and 2 in every sub-agreement or purchase order for the goods or services which are the subject matter of this Agreement.
4. In the event of non-compliance by the Consultant with any of the non-discrimination provisions of the Agreement, State Parks shall have the right, at its option, to cancel the Agreement, in whole or in part. If the Agreement is canceled after partial performance, State Parks shall be obligated to pay fair market value or the Agreement price, whichever is lower, for goods or services which have been received and accepted.

F. Termination of Agreement

1. **Termination for Cause:**

If, through any cause, the Consultant shall fail to fulfill in a timely and proper manner the Consultant's obligations under this Agreement, or if the Consultant shall violate any of the covenants, agreements, or stipulations of this Agreement, State Parks may terminate this Agreement by giving written notice to the Consultant of such termination. The notice shall specify the effective date of termination and shall be given at least five (5) days before that date. Upon receipt of such notice, the Consultant shall perform no further services covered by this Agreement. Upon termination, for cause, all finished or unfinished documents, data, studies, surveys, drawings maps, models, photographs, and reports prepared by the Consultant shall, at the option of State Parks, become State Parks' property. The Consultant shall be entitled to receive just compensation for any satisfactory work completed on such documents and other materials. The Consultant shall remain liable to State Parks for any damages resulting from any breach of this Agreement by the Consultant; and State Parks may withhold reasonable amounts owed to the Consultant as setoff until the amount of damages due State Parks from the Consultant is determined.
2. **Termination for Convenience of Consultant:**

The Consultant may terminate this Agreement at any time by written notice to State Parks. Upon termination, all finished or unfinished documents and other materials as described in paragraph 1, above, of this Article, shall, at State Parks' option, become State Parks' property. If the Agreement is terminated by the Consultant, the Consultant's Compensation shall be as negotiated between State Parks and the Consultant.
3. **Termination for Convenience of State Parks:**

State Parks may terminate this Agreement at any time by written notice to the Consultant. Upon termination, all finished or unfinished documents and other

materials as described in paragraph 1, above, of this Article, shall, at State Parks' option, become State Parks' property. If the Agreement is terminated by State Parks under this paragraph, the Consultant shall be paid an amount which bears the same ratio of the total compensation as the services actually performed bear to the total services of the Consultant covered by this Agreement; provided, however, that if less than sixty percent (60%) of the total services covered by this Agreement have been performed upon the effective date of such termination, the Consultant shall also be reimbursed for that portion of the Consultant's actual out-of-pocket expenses (not otherwise reimbursed under this Agreement) directly attributable to the uncompleted services covered by this Agreement.

G. Governing Law

This contract shall be governed by the laws of the State of Washington. In the event of a lawsuit involving this contract, venue shall be proper only in Thurston County. The Consultant by execution of this contract acknowledges the jurisdiction of the courts of the State of Washington in this matter.

H. Insurance

Commercial General Liability Insurance (CGL): Consultant shall maintain general liability insurance and, if necessary, commercial umbrella insurance, with a limit of not less than \$1,000,000 per each occurrence. If CGL insurance contains aggregate limits, the general aggregate limit shall be at least twice the "each occurrence" limit. CGL insurance shall have products-completed operations aggregate limit of at least two times the "each occurrence" limit. CGL insurance shall be written on ISO occurrence form ISO CG 25 03 05 09 or 25 04 05 09 (or a substitute form providing equivalent coverage). All insurance shall cover liability assumed under an insured contract (including the tort liability of another assumed in a business contract), and contain separation of insureds (cross liability) condition.

Additionally, the Consultant is responsible for ensuring that any sub-consultants provide adequate insurance coverage for the activities arising out of subcontracts.

Business Auto Policy: As applicable, the Consultant shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit not less than \$1,000,000 per accident. Such insurance shall cover liability arising out of "Any Auto." Business auto coverage shall be written on ISO form CA 00 01, 1990 or later edition, or substitute liability form providing equivalent coverage.

Professional Liability Insurance (also referred to as Errors and Omissions): Agreements requiring professional services such as, but not limited to: engineering design or surveying, architectural services, software services, information technology services, environmental services, real estate management, legal services, or financial advisory services, may require Professional Liability insurance coverage.

If required, Consultant shall provide Professional Liability (E&O) insurance in an amount not less than \$1 Million per claim or wrongful act and \$2 Million in the policy aggregate on a practice policy to cover the Consultant and its employees. Consultant may choose to provide a project specific policy, in lieu of a practice policy, in which case the insurance shall be in an amount not less than two times the project's Maximum Allowable

Construction Cost (MACC) per claim or wrongful act and in the policy aggregate. Sub-consultants retained by Consultant who are performing professional services, shall either be added onto the policy of the Consultant, or, sub-consultant shall provide and obtain a similar policy of Professional Liability insurance coverage that covers the Sub-consultant and its employees. When a self-insured retention (SIR) or deductible exceeds \$25,000, State Parks reserves the right, but not the obligation, to review and request a copy of the Consultant's most recent annual report or audited financial statement. If coverage is to be provided on a claims-made basis, the Consultant shall warrant that any policy retroactive date precedes the effective date of this Agreement. In addition, continuous coverage must be maintained throughout the Agreement and for one year beyond the completion of the Agreement, or the Consultant shall purchase an extended discovery period policy for not less than one year from the completion of work.

I. Indemnification

The Consultant shall defend, protect and hold harmless the state of Washington, State Parks, State Parks' Agents, or any employees thereof, from and against all claims, suits or actions arising from the Consultant's acts which are libelous or slanderous, which result in injury to persons or property, which violate a right of confidentiality, or which constitute an infringement of any copyright, patent, trademark or trade name through use or reproduction of material of any kind, arising out of negligence of the Consultant or its subcontractors, but in the event of concurrent negligence by the indemnitee, then only to the extent of the negligence of the Consultant and its subcontractors. In addition, Consultant waives its immunity under Title 51 RCW to the extent necessary to give this indemnity full effect.

J. Disputes

Except as otherwise provided in this contract, when a bona fide dispute arises between State Parks and the Consultant and it cannot be resolved, either party may request a dispute hearing with the Agent. Either party's request for a dispute hearing must be in writing. The parties agree that this dispute process shall precede any action in a judicial or quasi-judicial tribunal.

K. Rights in Data

Unless otherwise provided, data which originates from this contract shall be "works for hire" as defined by the U.S. Copyright Act of 1976 and shall be owned by State Parks. Data shall include, but not be limited to, reports, documents, pamphlets, advertisements, books, magazines, surveys, studies, computer programs, films, tapes, and/or sound reproductions. Ownership includes the right to copyright, patent register and the ability to transfer these rights.

Data which is delivered under the contract, but which does not originate therefrom, shall be transferred to State Parks with a nonexclusive, royalty-free, irrevocable license to publish, translate, reproduce, deliver, perform, dispose of, and to authorize others to do so; Provided, that such license shall be limited to the extent which the Consultant has a right to grant such a license. The Consultant shall exert all reasonable effort to advise State Parks, at the time of delivery of data furnished under this contract, of all known or potential invasions of privacy contained therein and of any portion of such document which was not produced in the performance of this contract. State Parks shall receive prompt written notice of each notice or claim of copyright infringement received by the Consultant with respect to any data delivered under this contract. State Parks shall have the right to modify

or remove any restrictive markings placed upon the data by the Consultant.

L. Deliverable Standards

Drawings:

- In State Parks AutoCAD/Civil 3D version format per Parks Project Representative.
- Furnish CD or USB flash drive in AutoCAD .dwg digital file format and PDF digital file format.
- Furnish final bid drawings in ink, on 20# bond acid free paper, as well as in digital file format.
- Format both hard copy drawings and digital files in 22" x 34" size and 11" x 17".
- Intermediate review drawings may be submitted on 20 lb. bond paper in 11" x 17" size. Submit review drawings at 25%, 60%, and 90% complete. Address State Parks' concerns prior to printing the final bid drawings.
- Format all drawings with current State Parks' standard border.
- Include, with all drawing sets, a current State Parks' standard cover sheet drawing.
- Provide all drafting in accordance with current State Parks' drafting standards (e.g.: line weights/types, layering conventions, lettering types and sizes, scales, digital templates, .ctb, etc.).
- State Parks will furnish its latest drafting standards for use by the Consultant in preparing drawings. State Parks will furnish digital templates for the Consultant to use at their own risk.
- All final printed and digital file drawings will become the property of and be permanently retained by State Parks upon contract completion and need to be reproducible using State Parks' .ctb.

Specifications:

- Prepare and furnish all project specifications in State Parks' current MS Word format (*.docx).
- Produce all technical specifications using CSI MasterFormat 2014 edition format and numbering system, in the form and format as provided in State Parks' standard specification boilerplate. Submit project specifications in both hard copy and e-file versions.
- Include in the final project specification/bid package, standard State Parks' Division 0 and Division 1 sections in addition to the technical sections. General Conditions and Prevailing Wage inserts will be the responsibility of State Parks. State Parks will furnish the latest version of its standard boilerplate sections to the Consultant for filling-in required information and incorporation into the total specification package.
- Submit specifications for review at the same time and level of completeness noted above for intermediate review drawings.

Engineer's Construction Cost Estimate:

Prepare the final Engineer's Cost Estimate and furnish it on State Parks' standard estimate form. State Parks will furnish this form to the Consultant for use in preparing the final estimate.

GIS Standards:

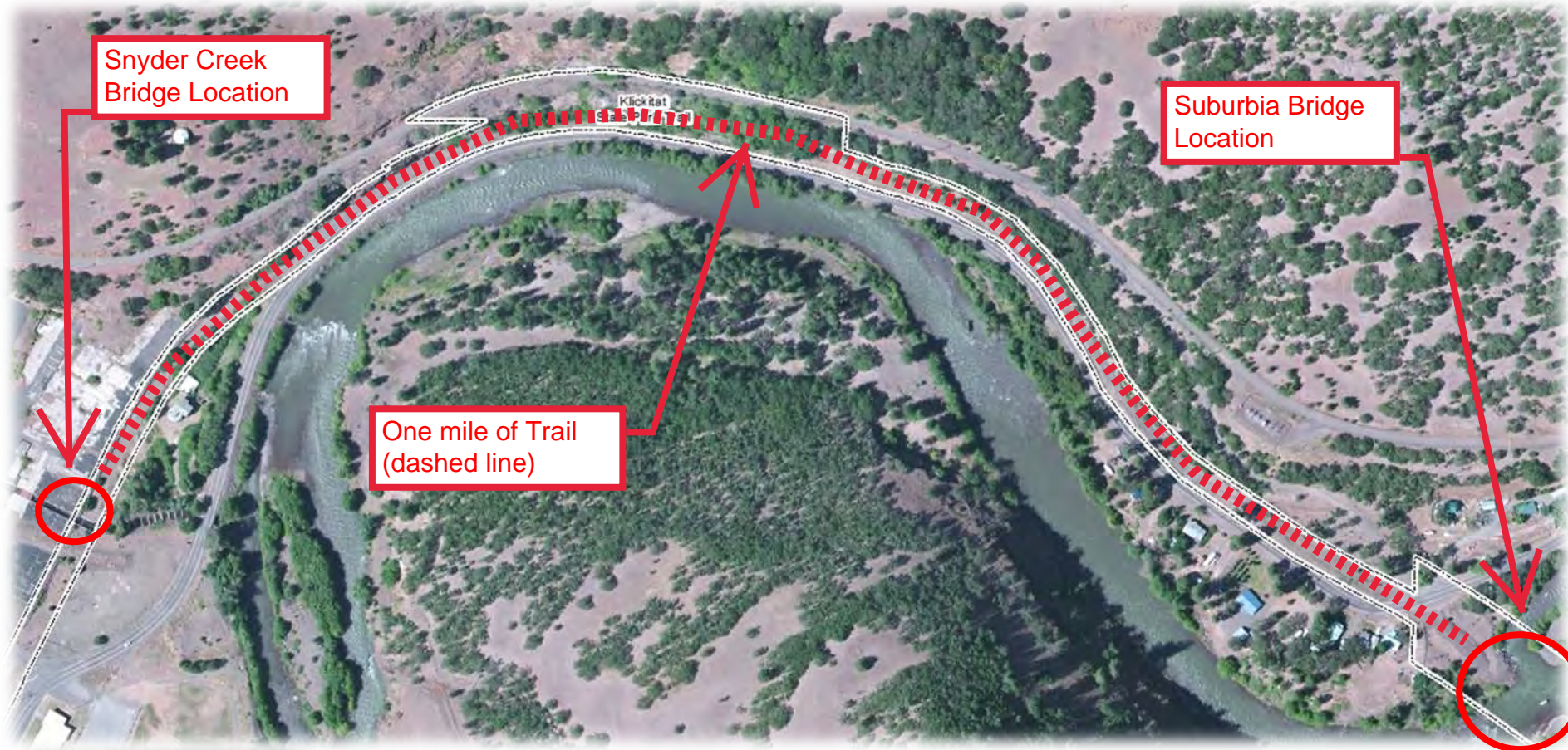
Consultants shall submit all GIS data to Washington State Parks in accordance with the following requirements:

1. GIS data is to be provided to State Parks as ArcGIS 10.x file geodatabase format. Shapefiles may also be accepted if requested by consultant and approved by State Parks.
2. Metadata should include explanations of the meaning of all attribute fields, as well as explanations for the meaning of all values in the fields, where appropriate. Metadata should include a short paragraph in the Description field explaining when the data was collected, known limitations, and anything else that would be helpful to a user of the data. Also include contact information with phone number and email address.
3. The standard projection for State Parks is NAD 83 State Plane South, units in feet (NAD_1983_HARN_StatePlane_Washington_South_FIPS_4602_Feet). All data must be submitted in this projection.
4. Data representing areal features (for example, wetlands) need to be represented as polygons.
5. All polygonal data shall be topologically checked to ensure that there are no unintended gaps or overlaps between adjoining polygons. This can be done in ArcMap by creating a Topology with the rules "Must Not Overlap" and "Must Not Have Gaps".

END OF CONDITIONS

/ / / / /

One Mile of Trail



- Runs along SR 142
- Eight foot wide ADA accessible trail
- Provide separation/grade change along trail





April 2023

Klickitat State Park Trail – Bridging the Final Gap Alternatives Analysis Report

Prepared for:

Washington State Parks and Recreation Commission

Project Manager: Eric Jazdyk
270 9th St NE, Ste. 200
East Wenatchee, WA 98802

Prepared by:

V+M Structural Design, Inc.

2212 Queen Anne Ave N #530
Seattle, WA 98109
206.880.1533



STRUCTURAL
DESIGN

Contract #: AE-123-439

V+M Project No. 1236
Doc. No. 1236-REP-S-002

Revision 0



This document has been prepared by V+M Structural Design, Inc. (V+M) for the exclusive use of the Washington State Parks and Recreation Commission. V+M accepts no responsibility or liability for the consequence of this document being used for a purpose other than the purposes for which it was commissioned.



Table of Contents

- Executive Summary1
- 1 Introduction2
 - 1.1 Purpose of Report2
 - 1.2 Project and Site Description2
 - 1.3 Reference Reports.....5
- 2 Project Constraints.....6
 - 2.1 Existing Corridor6
 - 2.2 Wetlands and Environmental Impacts7
 - 2.3 Floodplain and Hydrotechnical Clearances8
 - 2.4 Geological Conditions9
 - 2.5 Utilities10
 - 2.6 Hazardous Materials Assessment10
- 3 Design Parameters11
 - 3.1 Suburbia Bridge – Design Requirements.....11
 - 3.2 Snyder Creek Bridge – Design Requirements.....11
 - 3.3 Bridge Deck Type.....12
 - 3.4 Alignment and Grading13
 - 3.5 Staging Areas.....13
 - 3.6 Construction Methodology14
 - 3.7 Mitigation Requirements15
- 4 Bridge Alternatives – Suburbia Bridge16
 - 4.1 Steel Through-Girder Bridge16
 - 4.2 Through-Truss Bridge (Bailey Bridge).....17
 - 4.3 Suspension Bridge19
- 5 Bridge Alternatives – Snyder Creek Bridge21
 - 5.1 Conventional Slab-On-Girder Bridge21
 - 5.2 Prefabricated Timber Bridge22
- 6 Trail Alignment Evaluation23
 - 6.1 Design Considerations.....23
 - 6.2 Tie-In Considerations24
 - 6.3 User Safety Considerations25
- 7 Cost Estimates.....27
- 8 Alternatives Evaluation28



8.1 Evaluation Criteria28

8.2 Options Evaluation29

9 Recommendations and Conclusions30

9.1 Suburbia Bridge30

9.2 Snyder Creek Bridge30

9.3 Trail Alignment30

10 References31

Appendix A – Alignment Drawings

Appendix B – Cost Estimate

Appendix C – Basis of Design

Appendix D – Geological/Geotechnical Technical Memo

Appendix E – Hydraulic and Hydrologic Technical Memo

Appendix F – Environmental Considerations Memos

Appendix G – Permitting Matrix

Appendix H – Site Photos



Executive Summary

Washington State Parks and Recreation Commission (WSPRC) plans to complete the last link of the 31-mile-long Klickitat Trail east of the community of Klickitat. Work includes crossing Snyder Creek (presently confined within a concrete-walled passageway), a new Suburbia Bridge crossing the Klickitat River (replacing a bridge that was removed following damage by flooding), and approximately one mile of trail improvements along the former rail corridor to complete the trail.

This document summarizes the data collection, project constraints, and design parameters for this project. For Suburbia Bridge, three (3) bridge archetype options were evaluated, with a preferred alternative selected to proceed to Final Design. For Snyder Bridge, two (2) bridge archetype options were evaluated, with a preferred alternative selected for final design. A preliminary trail design is also proposed for the trail improvements between Durkee Road and the Suburbia Bridge. The bridge alternatives were evaluated for key criteria identified for the project. These criteria include cost, permitting, constructability, maintenance, and aesthetics. An Opinion of Probable Cost has also been developed for the preferred bridge alternatives and trail improvements.

For Suburbia Bridge, due to the remote nature of the site and prevalence of waterways and sensitive environmental areas, constructability and permitting issues were carefully looked at when considering the potential solutions. Considering all the constraints and criteria, the suspension bridge system was selected as the preferred alternative. This option simplifies permitting by avoiding the need for in-water works while addressing constructability constraints of the site by allowing for much of the work to be performed on the north side of the bridge which is easily accessible from SR 142. The solution can be made robust enough to accommodate smaller maintenance vehicles, such as a side-by-side, in addition to the design pedestrian loads. The use of hot dipped galvanized or weathering steel could be evaluated for the towers to minimize maintenance costs. For the deck, an open grating along the edges with a solid portion down the center portion of the deck would minimize wind effects and loading on the structure.

For Snyder Creek, as a result of the uncertainty of the concrete flume removal and stream restoration timeline, a prefabricated timber bridge is recommended to meet the near-term goals of the Snyder Creek crossing. This solution will meet the immediate basic need to connect the trail and provide WSPRC time to develop future plans for a permanent long-term solution that incorporates the restoration of Snyder Creek. If vandalism remains a concern, a metal option could be used.

For the trail parallel to SR 142, a preliminary alignment is proposed for the trail connecting between Durkee Road and Suburbia Bridge. A minimum 6' offset from the edge of pathway to edge of roadway is maintained along the entire stretch of proposed improvements. Two new roadway crossings at the two ends of the project area at Durkee Road and SR 142 are required to complete the trail connection.

1 Introduction

The Klickitat State Park Trail runs 31 miles through the Columbia River Gorge in southern Washington. The trail, maintained by Washington State Parks and Recreation Commission (WSPRC), follows an old railroad grade that is now owned by the State of Washington. Presently, there is a missing link between the Suburbia Bridge and Snyder Creek crossing east of the community of Klickitat. WSPRC is looking to construct new bridges at the Suburbia and Snyder Creek crossings, along with improvements to the approximately one-mile-long section of trail between the two structures. The western terminus of the project occurs where the trail intersects Durkee Road and ties into the existing trail. The eastern terminus of the project is at the Suburbia crossing over the Klickitat River.

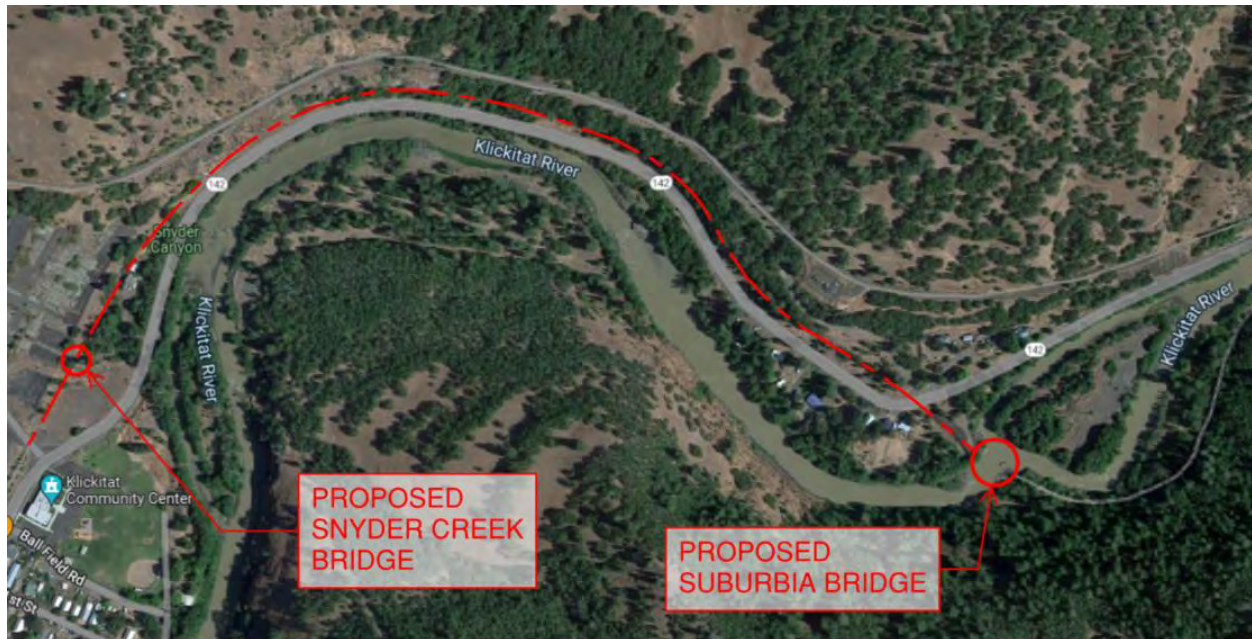


Figure 1: Site overview

1.1 Purpose of Report

As a part of Phase 1 of this project, V+M Structural Design, Inc. (V+M) was engaged by WSPRC to conduct background investigations and to develop options for the Suburbia Crossing over the Klickitat River and the Snyder Creek crossing. This alternatives evaluation is a summary of the findings of this first phase of work. Additionally, high-level improvements for the section of trail between the two crossings will be explored to help inform a future phase of work to complete the trail.

1.2 Project and Site Description

The Klickitat Trail sees a variety of users, including hikers, cyclists, and equestrians who use this recreational trail. The project area is located east of the community of Klickitat in Klickitat County. The trail through this area is generally accessible by vehicle as it runs parallel to State Route 142. On the south bank of the Suburbia crossing, the trail is accessed by the Swale Canyon trailhead; this portion of the trail is less accessible. The Klickitat River floodplain lies south of the trail and overlaps with the trail near the Suburbia crossing.

The trail corridor was previously a part of the Burlington Northern rail corridor through this area. The corridor was converted into a multi-use trail maintained by WSPRC. With this missing section of trail along the route, users must access the trail at alternate trail heads along SR 142 through this stretch.



Figure 2: Site context – Snyder Creek



Figure 3: Snyder Creek looking south



Figure 4: Site context – Suburbia Crossing



Figure 5: Suburbia crossing looking north



1.3 Reference Reports

The following reference documents were prepared for this alternatives evaluation and form the basis for the considerations in this report.

- Structural Basis of Design: the structural design criteria are described in this report, including codes, materials, geometry, loads, and serviceability considerations. The Basis of Design Report can be found in **Appendix C** of this report.
- Geological/Geotechnical Technical memo: results of the geological and geotechnical desktop study are summarized in this memo, which can be found in **Appendix D**.
- Hydrologic and Hydraulic Technical Memorandum: site-specific modeling for different flood events is summarized in this memo, which can be found in **Appendix E**.
- Environmental Considerations Memos: site reconnaissance and initial review of the environmental considerations at the site are summarized in these memos, which can be found in **Appendix F**.
- Environmental Permitting Matrix and Risk Review: permitting requirements and a risk review for the structural options are summarized in this memo, which can be found in **Appendix G**.
- Site Photos: photos of the existing site conditions are provided in **Appendix H**.

2 Project Constraints

Constraints along the project corridor will form the key considerations for this alternatives analysis and are summarized in the following subsections.

2.1 Existing Corridor

The ROW associated with the existing trail corridor is approximately 60' wide. However, the available space for a trail is limited at certain sections along the corridor. Between the two crossings, the trail narrows down through significant stretches along SR 142, with pinch points at locations where the roadway shoulder follows closely to the existing rock cliffs. There are also sections where the SR 142 roadway overlaps with trail ROW. There is vegetation along most of the trail corridor and covers a significant portion of the future pathway.



Figure 6: Trail ROW near northern extents of project limits

Construction access within this corridor is generally accessible by SR 142, as the trail runs parallel to the roadway shoulder. At the western end near Snyder Creek, the trail is separated from SR 142 by a parcel of land owned by Klickitat County. It is understood that use of this parcel during construction could be negotiated later on in the project.

At Suburbia, the north approach can be directly accessed off SR 142. The south approach is more challenging, as the trail leading from the Swale Canyon Trailhead is overgrown and not suitable for heavy construction vehicle access in several locations. Some occasional tree clearing from the trail will be

required for pickup access. The waters along the Klickitat River at this stretch can be fast moving during high water events.



Figure 7: Access to site

2.2 Wetlands and Environmental Impacts

Several locations are flagged for potential environmental impacts from the proposed work:

- Snyder Creek: Fish utilization of the creek is currently unknown. However, it should be possible to span the creek, which is currently contained within a concrete flume, while remaining above the ordinary high-water mark (OHWM).
- Potential wetlands:
 - To the northeast of Snyder Creek, potential wetlands within an excavated channel are identified near the pumphouse on the parcel owned by Klickitat County. The channel is designed to intercept groundwater but it can also receive diverted water from the Klickitat River via inlet/outlet culverts. Water pumping activity and fish presence within the channel is currently unknown. Given there is an existing rail bed, it is likely that potential wetlands can be avoided, but wetland buffer impacts may be required if significant resurfacing is proposed.
 - Around the mid-point of the proposed trail, a potential wetland is present between the SR 142 roadway and the cliff toe. Surface runoff down the cliff face was observed during the site visit and multiple culverts in the vicinity attests to the significant accumulation of water in this location. Wetland vegetation is dominant, including trees, shrubs, and emergents. This location will likely present a high risk of wetland impacts given the extents and lack of alternative to avoid the area with the trail alignment. To minimize impacts, a boardwalk would be proposed through the heaviest standing water locations in this location. Off-site mitigation will likely be required to offset wetland impacts.
 - Around the Suburbia Bridge crossing, several wetlands were identified. However, the work and staging areas will likely stay out of the areas identified.

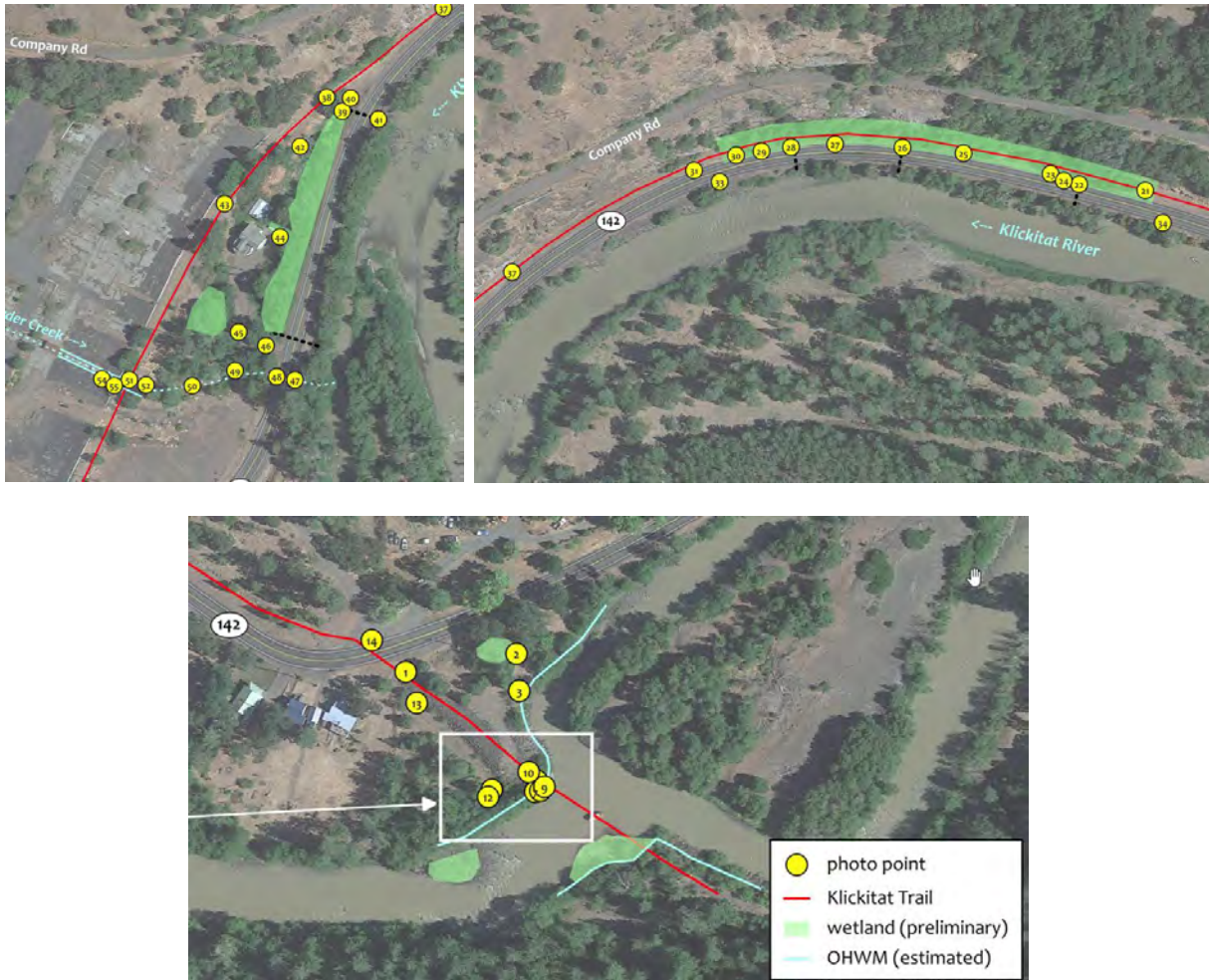


Figure 8: Potential wetlands (shaded in green) along the alignment.

- Eastern access to Suburbia Bridge: The trailhead access is overgrown with vegetation and will require clearing and site preparation for equipment access to the south abutment. Presence of critical areas along the trail (wetlands, streams, habitats) is undetermined currently. Potential impacts would likely be subject to permitting.

2.3 Floodplain and Hydrotechnical Clearances

The floodplain of the Klickitat River extends through the majority of the project site. The floodway for the 1-in-100 year event is shown in red, and areas of high flood risk are shown in cyan blue. Areas in orange are flagged as moderate flood risk.

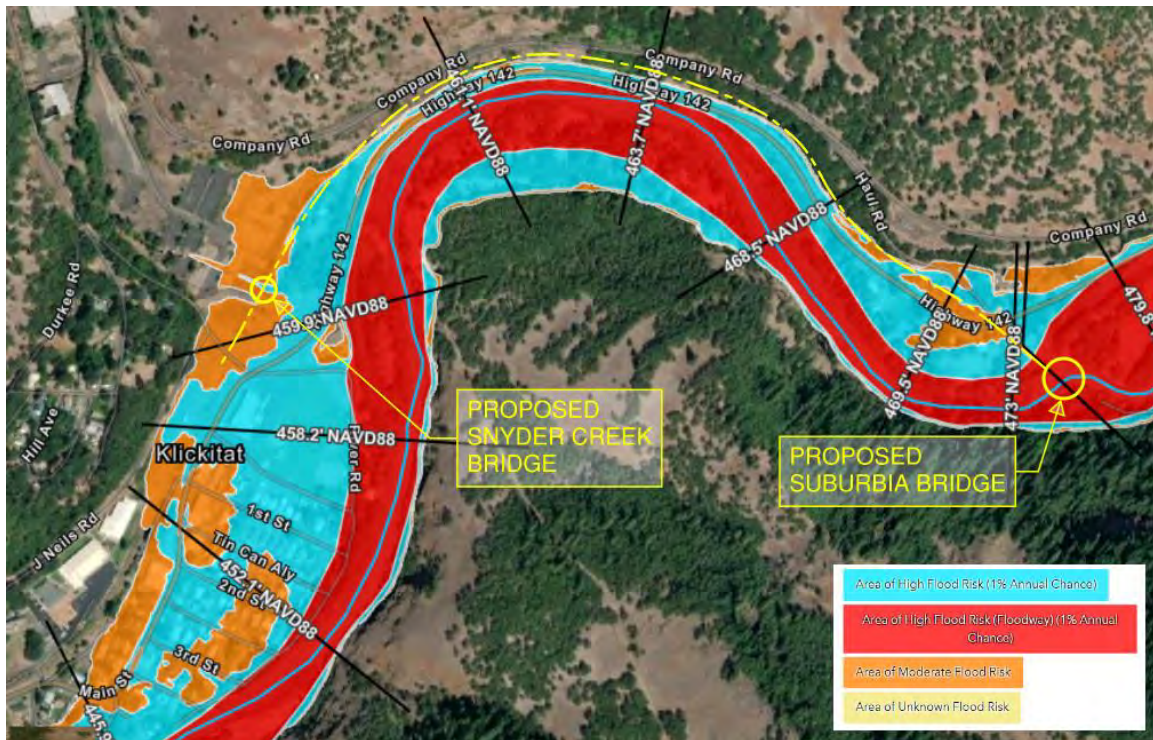


Figure 9: 1/100 year flood risk map (FEMA 2022).

Additionally, the existing pier at the Suburbia crossing sits within the floodway of the Klickitat River. Any work or remediation required to re-use the existing pier would likely trigger a “no net rise” assessment. It is highly likely that any new structure in the floodway would require a conditional letter of map acceptance (CLOMAR) from FEMA and a revision to the flood risk maps, accompanied by additional modelling efforts to capture the impacts of the structure. Structural options that do not require re-use of the pier would be favorable for these reasons.

2.4 Geological Conditions

For this initial phase of work, a reconnaissance was conducted to review the existing geological conditions at the project site. The northern hillside was observed to include areas of exposed, near vertical basalt outcrops, particularly within the westernmost portion. Other areas of the northside slope face included areas of apparent exposed colluvium materials with gravels, cobbles, and some boulders. Portions of the apparent colluvial slope faces exhibited some indications of surficial instability and apparent raveling.

The trail will run along the base of existing rock outcrops on the northern side of SR 142 to accommodate a minimum 8-foot-wide pathway plus shoulder. Based on the preliminary site reconnaissance, it appears that the exposed basalt faces are stable.

For the structures, the apparent geologic/geotechnical subsurface soil/rock conditions at each of the planned bridge locations will likely be favorable for spread footing foundations and/or drilled shaft options.

2.5 Utilities

At the project site, transmission power lines run north of the trail ROW, following the Haul Road alignment. It is not anticipated that the new bridges and trail will have impact to the power lines in the project area.

On the north side of SR 142 by the Suburbia crossing, there is a standpipe located between the driveways accessing the two private properties. There is currently no background information available for the standpipe. Proposed trail alignments would clear the standpipe location, however, relocation of the Haul Road driveway could impact it.



Figure 10: Standpipe north of Suburbia Crossing at SR 142 (looking north).

2.6 Hazardous Materials Assessment

The trail ROW follows the alignment of the previous heavy rail corridor near the old mill site at the western extents, between Durkee Road and the tie-in to SR 142. Hazardous materials may be encountered in this area from the previous industrial activities at the site.

At the eastern extent, north of SR 142, it is expected that the materials along the old railway bed are native material from the cuts in adjacent areas along the corridor. There is large riprap forming an embankment just north of the river; it is unclear the age of this material, as it does not air to be old ballast.

Soils along railroad corridors are occasionally impacted by petroleum and/or metals resulting from normal railroad use. However, given the location of the project, it is possible that the rail prism will not contain significant contamination.

A more detailed review of the potential for hazardous materials at the project site will be carried out in future phases of work.

3 Design Parameters

Parameters that are common to the potential structural options are discussed in the following sections.

3.1 Suburbia Bridge – Design Requirements

The minimum abutment-to-abutment length of the crossing is approximately 195 feet. This assumes that the south end can be seated on the existing south abutment; some options may require a longer southern span (see Section 4 for detailed discussion of the options). For this study, options involving both a clear span and multiple spans that re-use the existing pier are evaluated. The location of this crossing is in an environmentally sensitive area and identified floodway, so any in-water works will trigger additional permitting requirements.

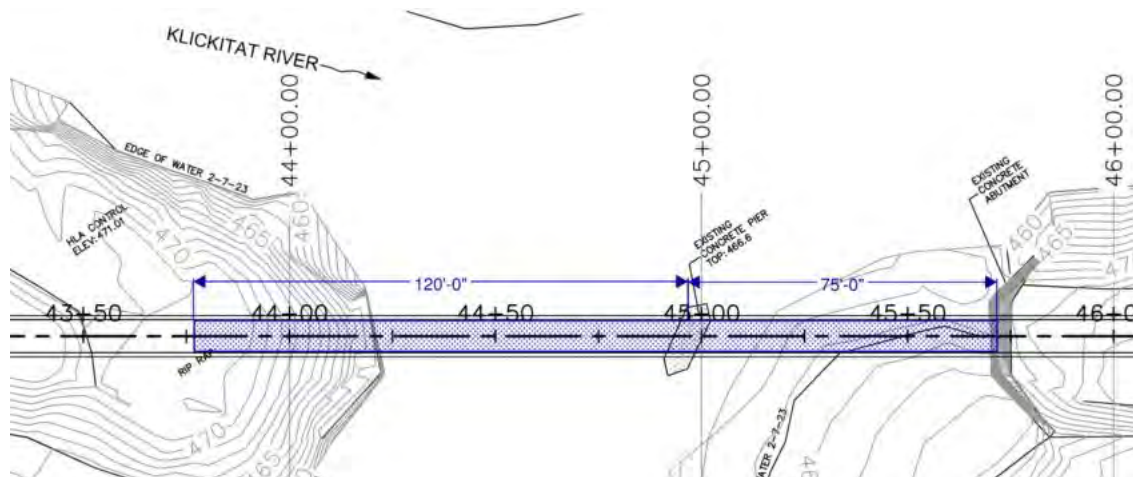


Figure 11: Abutment-to-abutment span requirements

The existing pier at Suburbia would need to be re-used in some of the options. Rehabilitation of this pier would be necessary for those options, which would also warrant additional permitting considerations. Re-use of the existing south abutment is likely for all of the options; however, the new structure would likely sit within the existing ledge and within the masking walls of the abutment.

The WSDOT BDM requires a minimum freeboard clearance of 3-feet above 1/100 year flood event. At the Suburbia crossing, the new bridge would span from bank to bank. At this location, the 1/100 year flood elevation is expected to be at approximately El. 475.5' based on preliminary hydraulic modelling of the crossing incorporating the existing site features that were not considered in the existing FEMA model. Additionally, the findings required an approach span on the north side to allow for water flow during a flood event.

3.2 Snyder Creek Bridge – Design Requirements

The minimum abutment-to-abutment length of the crossing is approximately 21'-9". For this study, only clear span options for this crossing are evaluated to keep the channel clear of obstruction. It is understood that the concrete flume that the new bridge crosses over may be removed in the near future as part of a future stream restoration project. Therefore, the new bridge could be more temporary in nature with a shorter service life in consideration of the potential flume's removal.

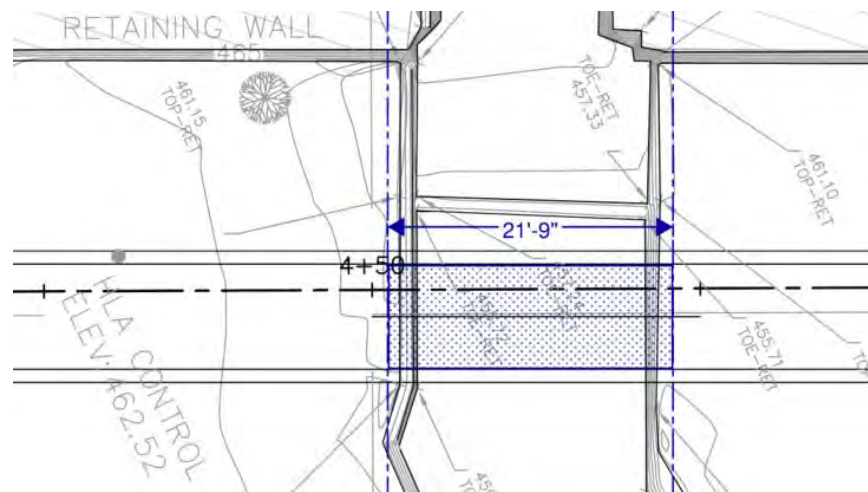


Figure 12: Abutment-to-abutment span requirements

The project team met with the hydraulic consultant that is currently working on the Snyder Creek modelling and channel restoration on April 20th, 2023 to understand the considerations from that study. It is understood that during major flood events of the Klickitat River, flood waters from the Klickitat River will start to back up Snyder Creek.

At Snyder Creek, the channel is currently confined to the existing concrete flume; the new temporary bridge would be expected to span over it. It should be noted that the 1/100 year flood event from the Klickitat River would inundate Snyder Creek and overcome the 1/100 year flood elevation from Snyder Creek. For this bridge, the design elevations would only be designed to clear the 1/100 year elevation plus freeboard resulting from the Snyder Creek 1/100 year event, which is approximately El. 456'.

3.3 Bridge Deck Type

Deck types that could be used for the new bridges include:

- **Concrete:** Precast concrete panels could be used for the traveling surface. Concrete offers a highly durable, low maintenance solution; however, the significant weight of the deck requires additional considerations for construction, including transportation and lift weights.
- **Steel:** It is understood that corrugated steel decking has been used for some bridges in WSPRC's inventory with an aggregate overlay.
- **Timber:** Timber decking is often used on trail bridges; however, it is understood that WSPRC's mandate is to move away from the use of treated timber for permanent structures and will not be considered for Suburbia Bridge. For Snyder Creek, untreated wood could be a consideration given the shorter expected service life of the structure.
- **Fiber-Reinforced Polymer (FRP):** Exterior-rated, UV-resistant FRP grating could be a possible lightweight solution for the new structure. This lightweight solution offers increased economy in the foundations and structural system.



Figure 13: Fisher Hill Rd Bridge along Klickitat State Park Trail with concrete deck (left) and Mine Creek Trestle along Palouse to Cascades Trail with aggregate overlay (right)

The deck options are independent of the bridge alternatives discussed in Section 4, as the baseline will not consider composite action with the deck. The individual deck segments will need to fit within the constraints of equipment access and lifting capabilities.

3.4 Alignment and Grading

Grades for multi-user paths are typically kept to 5% or less for accessibility and user comfort. Based on the existing topography, the trail is generally not constrained and could be modified to suit the required grades. It is not expected that the drainage conditions will change as a result of the trail alignment, as the trail structure will be comprised of pervious aggregate on subbase. Drainage and runoff considerations should be confirmed in a future phase of design after further development of the trail design.

3.5 Staging Areas

3.5.1 Suburbia Bridge

During construction, a wider staging area may be required to allow placement of materials and equipment for erecting the bridge. On the north end, it is anticipated that the existing riprap embankment may need to be temporarily modified or widened to provide a level work platform. Any additional fill could be retained with temporary lock blocks along the edges.

Access to the south side would be limited and would only be able to accommodate a smaller footprint. It is anticipated that equipment will need to drive in and out via the Swale Canyon trailhead, approximately 2.5 miles to the east. Improvements to parts of the trail between the south abutment and Swale Canyon may be required as the trail narrows in some portions.

3.5.2 Snyder Creek Bridge

The location of the Snyder Creek Bridge should be relatively accessible from SR 142 and the parcel of land owned by Klickitat County. If Klickitat County does not permit use of their parcel for access and/or staging, construction access should still be possible from the south end at Durkee Road. There is also a narrow pathway that could potentially be used at the north end of the Klickitat County parcel where the trail would converge into SR 142.



Figure 14: Access points near Snyder Creek crossing.

3.5.3 Trail Construction

For the trail construction, staging areas would generally not be required. It is expected that material could be brought in via the roadway or linearly along the trail to build the trail fill and riding surface for the entirety of the project extents.

3.6 Construction Methodology

3.6.1 Suburbia Bridge

A conventional method of bridge construction is to lift the full span into place and seat it on the supports. Lifting a full span into position at this location would require very large cranes for the operation that may not be practical or feasible. We anticipate a full lift would likely require at least a 300-ton crane; this size of crane is not practical for this site with availability and access constraints. Smaller segments could be possible with a multi-span structure, but crane reach would likely be the limiting factor.

Another option is to push-launch girders or a truss from the north side and land it on the intermediate existing pier and south abutment. This method is further discussed in the following section describing the evaluation of structural systems.

For a clear span suspension bridge option, a temporary cable crane could be used to shuttle elements out across the river from the north abutment.

3.6.2 Snyder Creek Bridge

For the single span bridge at Snyder Creek, the most straightforward method of construction is to lift the full span into place and seat it on new abutments. Given the relatively short span, this operation could be



completed with a moderately sized crane and construction equipment using conventional construction methods.

3.7 Mitigation Requirements

3.7.1 Suburbia Bridge

At Suburbia, it is not expected that mitigation measures will be required, provided that the bridge remains out of the OHWM and away from the potential wetlands closer to the water.

Suburbia Bridge two span girder/truss options will require a pier modification extending below the Ordinary High-Water Mark (OHWM) and would be an S-404 trigger. Construction over the Klickitat River is an S-10 trigger.

3.7.2 Snyder Creek Bridge

At Snyder Creek, mitigation measures are not expected to be required for the new bridge construction as the new bridge will clear the existing concrete flume.

It is understood that there are plans by others to undertake restoration work of lower Snyder Creek. As part of this, the flume would be removed. The bridge would be removed at that time and replaced with a longer, permanent clear span over the remediated Snyder Creek as a part of that future project.

The Snyder Creek bridge footings will be located outside the OHWM behind the walls of the concrete flume. If Snyder Creek is not classified as navigable, then there would be no S-10 trigger.

3.7.3 Trail Construction

Along the alignment, there are areas of wetlands that will be affected by the proposed trail alignment in the corridor between the rock face and SR 142. If the trail construction is pursued in a future phase of work, the Snyder Creek flume removal could be used as mitigation offset for the trail project.



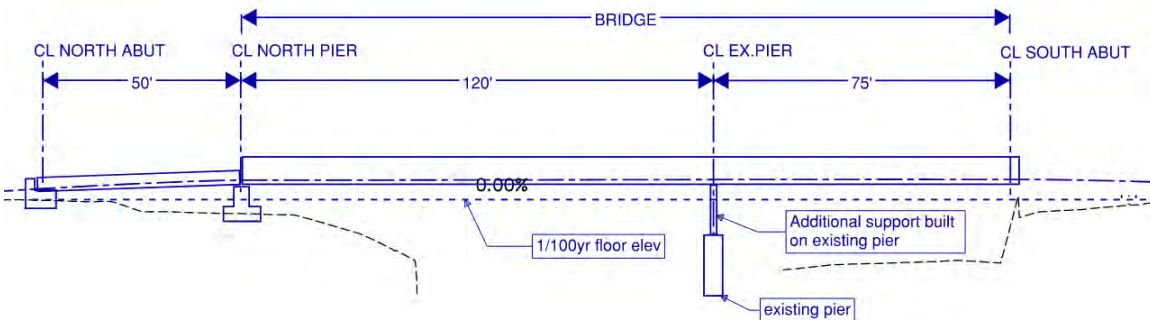
4 Bridge Alternatives – Suburbia Bridge

Options considered as a part of this evaluation for the Suburbia Bridge crossing are further described below.

4.1 Steel Through-Girder Bridge

Using a clear span would help to avoid the use of the existing pier. However, as discussed in Section 3.6.1 a full span lift would require a significant staging area and large equipment, which would be challenging for this site. For these reasons, a girder option would be more feasible with a two-span arrangement. This option would require a pair of steel plate girders (concrete is too heavy). The bridge could re-use the south abutment. An approach span is provided on the north side to allow for additional flow from a hydraulic event. However, a primary drawback to this option is the required use of the existing pier, which will likely lead to work in the floodway to provide raised supports that will trigger additional permitting.

This girder option would utilize a through-girder arrangement, with the floor beams set along the bottom flanges of the two main girders, to reduce the overall depth of the structure and approach lengths. A slab-on-girder arrangement is likely not feasible here since the approaches would need to be raised substantially to maintain the minimum the freeboard above high water. From a materials perspective, a two-span girder bridge would provide an economical arrangement for steel tonnage and foundation requirements.



Figure

15: Layout of a through-girder bridge option

A through-girder style bridge could be like the Pine Creek Bridge on the Palouse to Cascades Trail shown below.



Figure 16: Pine Creek Bridge, Palouse to Cascades Trail

4.1.1 Construction Considerations

Push-launching from the north side would be an effective method to construct the girder bridge. This allows a large portion of the bridge span to be constructed on the grade on the north side, and then pushed from north to south. As the bridge is pushed, additional length gets added at grade. A launching nose is added to the cantilevered end to allow it to land on the opposite support. The assembled truss could get launched using a bulldozer, screw-jacks, or similar. The launching nose would roll across the new pier support and new south abutment to allow the structure to land in the final position.

At the south end, struts would be needed from the bearing seat to support the girders. The existing backfill might need to be partially removed to accommodate the launching nose movement. After the bridge has been pushed into place, the launching nose would be disassembled and brought back across the completed bridge.

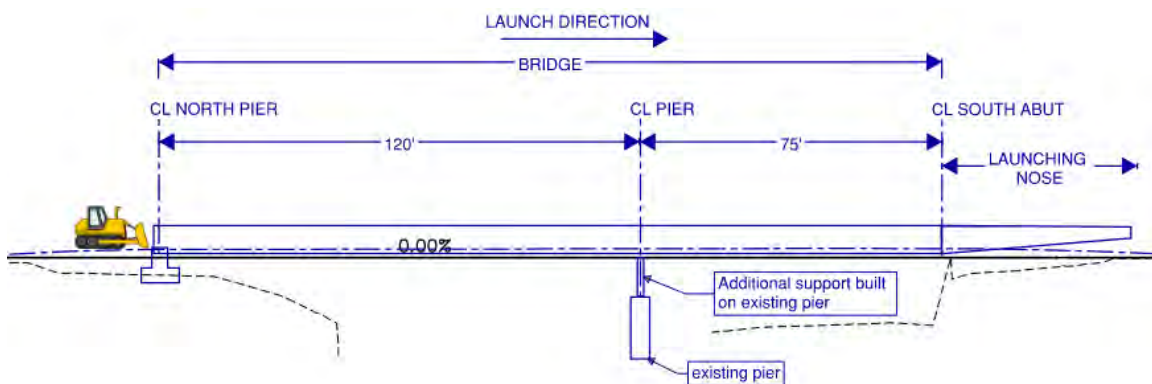


Figure 17: Schematic of push-launch requirements at Suburbia bridge project site

To re-use the existing pier, concrete cores will need to be taken to confirm the strength. This evaluation will likely require coring vertically through the pier at each end to take concrete samples; the core could drill through the material below the pier to confirm the ground conditions below and whether it is founded on bedrock. Based on initial visual observations, the pier appears to be in relatively good shape with no obvious signs of settlement or rotation. There is weathering evident on the sides of the pier that's had exposed aggregate in the concrete but appears to be limited to the surface. It is also noted that this vintage of pier is likely unreinforced. The work to confirm material properties and build a new pedestal to support the new bridge would require additional permitting.

4.2 Through-Truss Bridge (Bailey Bridge)

The through-truss bridge option would be very similar to the girder bridge option in terms of span layout and construction considerations. A through-truss (Bailey bridge) would likely be used as opposed to a box truss for this project site for ease of construction and segment transportation limitations. Like the girder option, the primary drawback to this option is the required use of the existing pier, which will likely lead to work in the floodway that triggers additional permitting.

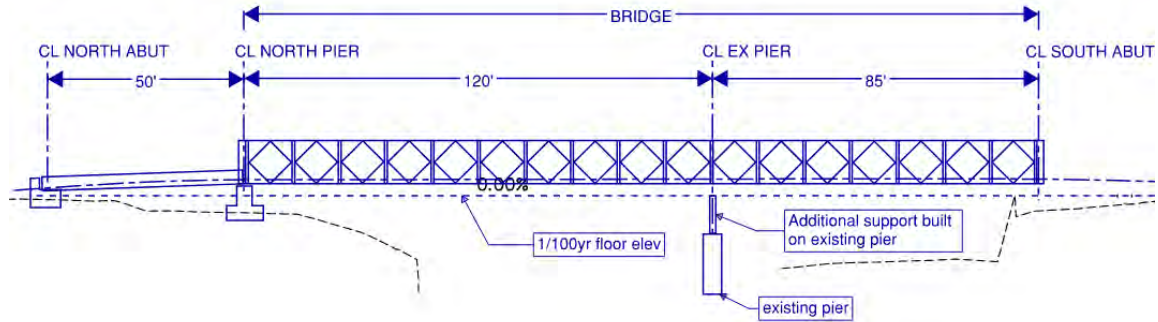


Figure 18: Layout of a truss bridge option



Figure 19: Example of through-truss bridge

4.2.1 Construction Considerations

The construction considerations for the truss are very similar to the girder option, with evaluation and re-use of the existing pier required. The structure would be push-launched from the north side to construct the bridge. The truss would be assembled with the launching nose in a linear fashion using a mobile crane working to the north. The assembled truss would then be launched from the north side.

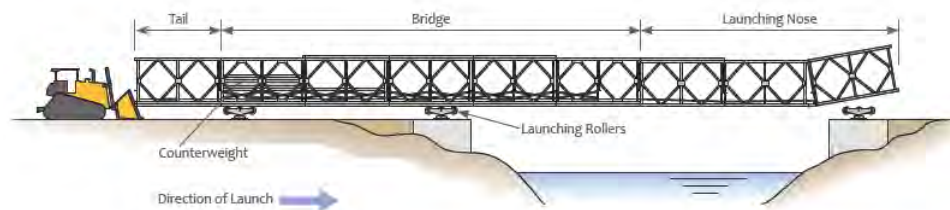


Figure 20: Example of typical requirements for push-launched truss bridges

One difference with the Bailey bridge option from the girder is that the truss panels are generally transported to site in smaller pieces, which allows for more flexibility. The launching nose would also likely be made of smaller segments that could be brought back more easily across the completed bridge.

4.3 Suspension Bridge

A suspension bridge option has a low deck profile that would reduce the grades at the approaches. The overall geometry of the suspension bridge allows for a single clear span, avoiding use of the existing pier by using cables and backstays to support the main span deck to form the structural system. It should be possible to carry lighter maintenance vehicle loads like the side-by-side without stiffening trusses. The draped geometry of the main line cables gives this system more inherent vertical flexibility, so the bridge will be more lively than a Girder or truss solution. At the backstays, ground anchors could follow the inclination of the cables down into bedrock or a dead man anchor block buried into grade. Wind cables would likely be provided to create lateral stiffness to the span.

It is expected that the existing south abutment can be reused to support the south tower, which helps to reduce the overall span. A spread footing foundation in the north side could support the tower, given the sloped of the riverbank are sufficiently protected from scour.

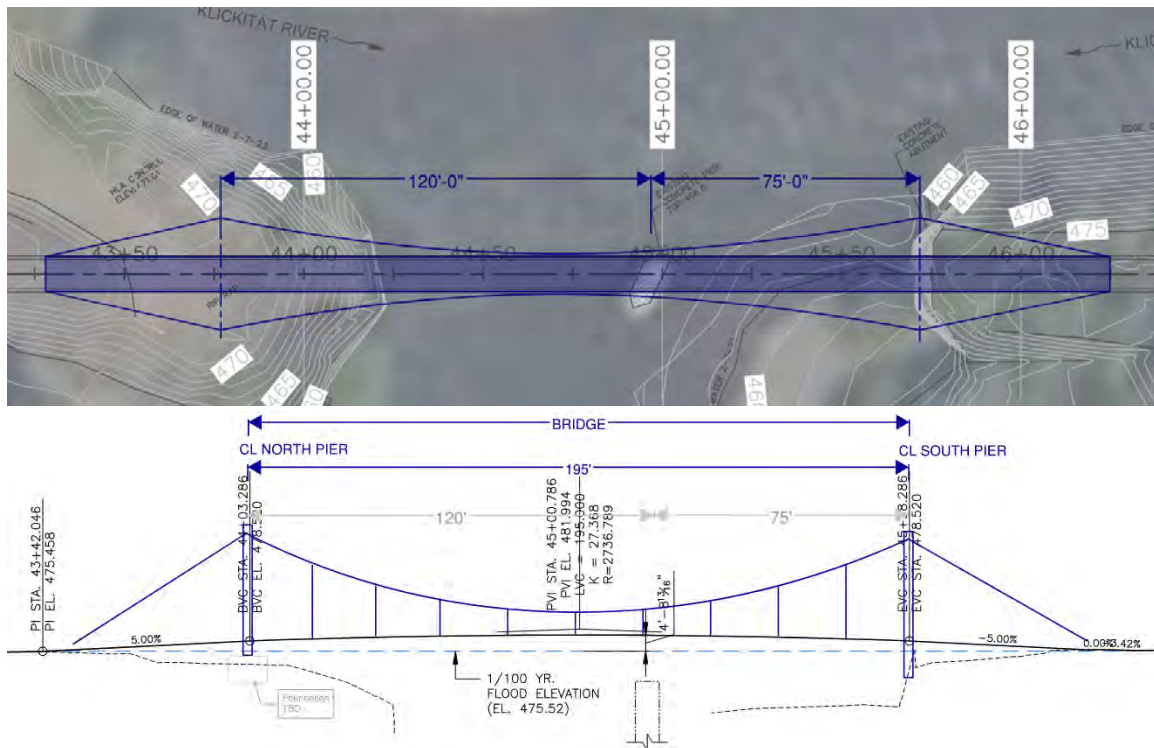


Figure 21: Suspension bridge layout option

4.3.1 Construction Considerations

To construct the bridge, the towers are first assembled and raised. Materials for the south tower can be packed in along the south trail and/or shuttled across the river by boat. A high line can be installed for use during construction to transport materials over the water and to the south bank. The main line cables are then strung across the river and connected to anchorages. The high line can carry the floor beams into position and connected to hangers suspended from the main line cables. If a stiffening truss is used, the members can be installed to complete the structure. The deck and handrail infill can finish off the installation.



Figure 22: Example of suspension-style trail bridges

4.3.1.1 Structure Considerations

The suspension bridge uses draped main line cables over towers at each end to support the bridge deck. The cables are secured to anchorages at each end to carry the backstay forces. The suspension bridge system tends to be flexible, which will limit the size of maintenance vehicles it can carry.

To construct the tower on the south abutment, smaller pieces could be, transported, and stitched or spliced together, such as lattice construction.

An open grating FRP deck is considered as the baseline for this option to keep the solution lightweight. An added benefit would be that the open grating would allow runoff to flow through rather than carry back to the abutment locations and creating additional stormwater mitigation requirements.

5 Bridge Alternatives – Snyder Creek Bridge

Options considered as a part of this evaluation for the Snyder Creek Bridge crossing are further described below. Note, for both options, it is likely that the structure could be seated on simple foundations (spread footings, concrete blocks, or similar).

It is assumed that the location of the bridge will stay within the WSPRC ROW for this evaluation; however, through discussions with the consultant currently evaluating the Snyder Creek restoration, it is understood that shifting the bridge location closer to SR 142 would be preferable. However, this shift will require coordination and approval from Klickitat County to divert the trail onto their property parcel. Additional discussions in a future phase of work would be required to evaluate this potential shift.

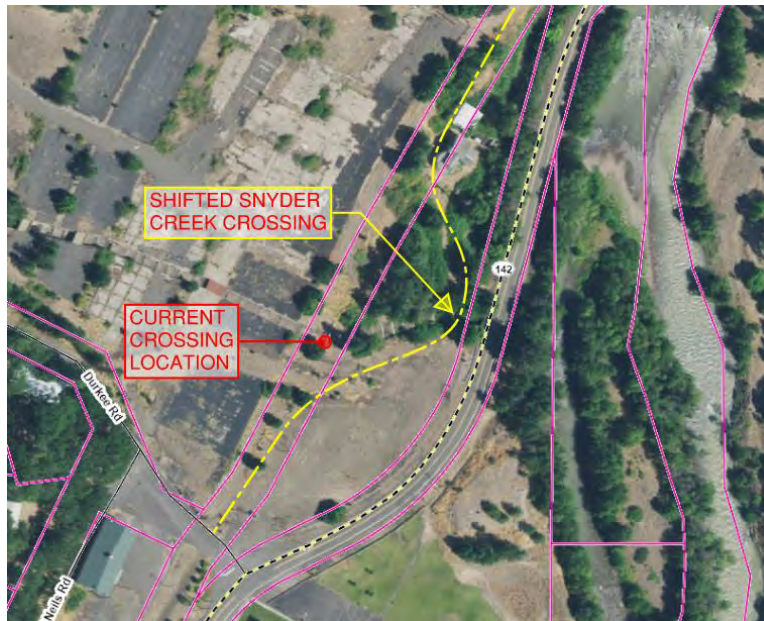


Figure 23: Potential shifted crossing for Snyder Creek restoration considerations.

5.1 Conventional Slab-On-Girder Bridge

This girder option would most likely utilize a typical slab-on-steel stringer arrangement, with a pair of longitudinal edge beams.

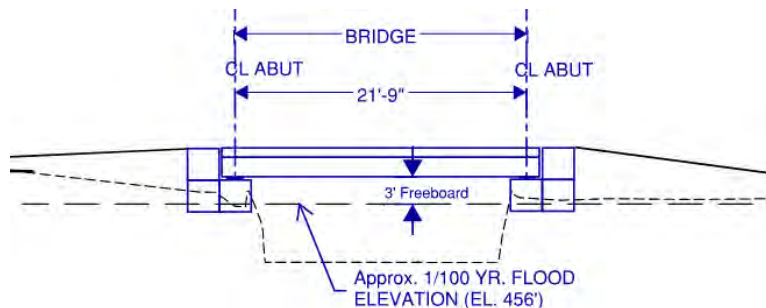


Figure 24: Conventional steel girder bridge

5.1.1 Construction Considerations

Site access is relatively straightforward at Snyder Creek, and the bridge could most likely be constructed using conventional construction techniques with a small mobile crane to lift the girders into place from either abutment. Access from Durkee Road to the south would likely be preferred, as the equipment and materials could be transported relatively easily from that access point.

5.1.2 Structure Considerations

The conventional stringer bridge is compatible with most deck options, including concrete panels, timber decking, and FRP decking. The deck could easily be placed on top of the edge beams. The beams can be sized to provide adequate stiffness to resist loads from maintenance vehicles that would need to cross at this location. This option would also have more longevity and resistance to vandalism if the structure remains in place for a longer time than anticipated.

5.2 Prefabricated Timber Bridge

Taking into consideration the potential short service life required for this structure, a single span timber bridge has several benefits including low cost and ease of construction. The photo below shows a 7' wide prefabricated option, which would just fit an H-5 (10,000 lb) vehicle; there are options to increase deck width but if it is wider, it will no longer fit on a standard flatbed truck for easy transport. Railings could be incorporated into the structure for user safety.



Figure 25: Example of timber prefabricated bridge

6 Trail Alignment Evaluation

Between the western extent of the project at Durkee Road and the Suburbia crossing, there is approximately one mile of trail that will need to be constructed to complete the Klickitat State Park Trail. The trail corridor runs alongside SR 142, with a large segment of the alignment running relatively close to the roadway as it heads towards the Suburbia crossing.

6.1 Design Considerations

The WSDOT Design Manual requires a minimum 5-foot buffer between the edge of roadway to the edge of trail shoulder. The standard WSPRC trail section requires a minimum one-foot-wide shoulder, which results in a total offset distance from edge of road pavement to edge of trail pavement of 6 feet.

The trail itself is assumed to be a minimum of 8 feet wide, with one-foot-wide shoulders on each side, resulting in a minimum finished surface of 10 feet. Based on the available existing space along the corridor, it appears that the minimum trail width along with the required offsets to edge of roadway can be achieved along the entire length of trail. The trail structure is comprised of aggregate surfacing on subbase, which would be considered pervious and not expected to change existing runoff and drainage conditions.

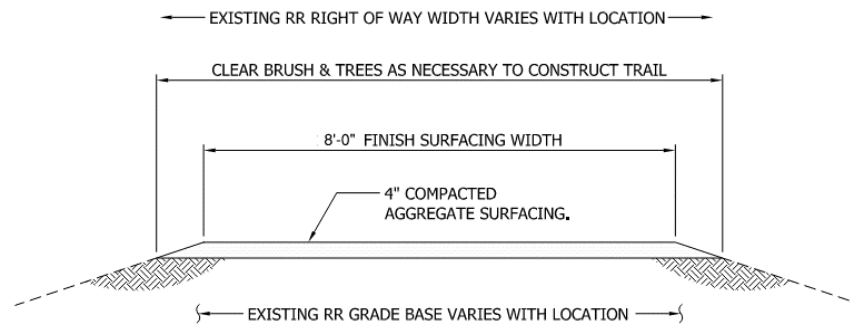


Figure 26: Typical WSPRC trail section with 3:1 slope

Through the middle portion of the trail, wetland areas are encountered and impacts from the trail will be unavoidable. Mitigation measures are discussed in Section 3.7. It is expected that boardwalk type structures will be required through these areas to offset impacts of the trail.

With the above design criteria, a proposed trail alignment is developed for the stretch between Durkee Road and the Suburbia crossing. Conceptual drawings along with design cross sections can be found in **Appendix A – Alignment Drawings.**

6.2 Tie-In Considerations

6.2.1 Western Terminus at Durkee Road

At the western end of the trail at Durkee Road, a typical pedestrian crossing with signage will help connect to the existing trail. Although the speed limit of 25 mph through this stretch is lower than the typical state route speeds, and Durkee is a side road, inclusion of a striped crossing is proposed to enhance user safety.



Figure 27: Durkee Road crossing.

6.2.2 Eastern Crossing at Suburbia Bridge and SR 142

At the eastern end of the trail crossing SR 142 to the Suburbia Bridge, the trail is proposed to cross perpendicular to SR 142 for enhanced safety and sightlines. Three options were evaluated: 1) a crossing in line with Suburbia Bridge, 2) a crossing further west, and 3) a crossing further east. For option 2, the crossing gets into the corner of SR 142 with limited vehicular sight distance. The elevation of the roadway also drops as it heads west, marking the trail crossing profile more challenging. For option 3, the pathway would need to follow along the south edge of SR 142, then cross the highway east of the second driveway entrance, then the trail would need to cross two separate driveways. The first option is most desirable from a trail user perspective but just requiring the crossing of the highway and no driveways while retaining reasonable vehicle sight lines.

To accommodate the perpendicular crossing, the existing driveway accessing Haul Road on Parcel No. 04132300001500 is proposed to be shifted to the east. It appears that the driveway could be combined with the adjacent driveway for Parcel No. 04132300000100 to a single access point off SR 142, if this was found to be acceptable to the owners.



Figure 28: SR 142 crossing at eastern extents.

It should be noted that the trail and driveway modifications proposed at this location are high-level, and coordination with the property owners and WSDOT would be required in a subsequent phase of work. The following considerations would feed into a refinement of the design:

- Coordination with stakeholders/property owners and acceptance of the combined driveway by all parties
- Usage of Haul Road by other property owners to the west of Parcel No. 04132300001500, and whether it is actively being used
- Possibility of relocation of the standpipe between the two driveways

6.3 User Safety Considerations

Along sections of the trail, there may be higher probability of sporadic rock fall due to proximity to the upslope cliffs. There are several options that could be considered to mitigate the risks:

- *Slope grading* – Regrading of slopes at critical locations is a typical mitigation measure. However, given the limited offset between the trail to the toe of slope, and from the top of slope to the property line, this is not likely to be a feasible solution for this project.
- *Rock face scaling* – Scaling of the rock face at locations where loose or unstable rocks are identified could be an option. Removal of larger rocks would help to mitigate rockfall hazard for the trail below. Extents of work and removal would have to be further evaluated in a subsequent phase of work.
- *Rock catchment* – Rock catchment netting could be installed for user safety at key locations. The netting could have simple details such as loops to help dissipate the energy of falling rocks. More observations would be needed to identify areas of risk.

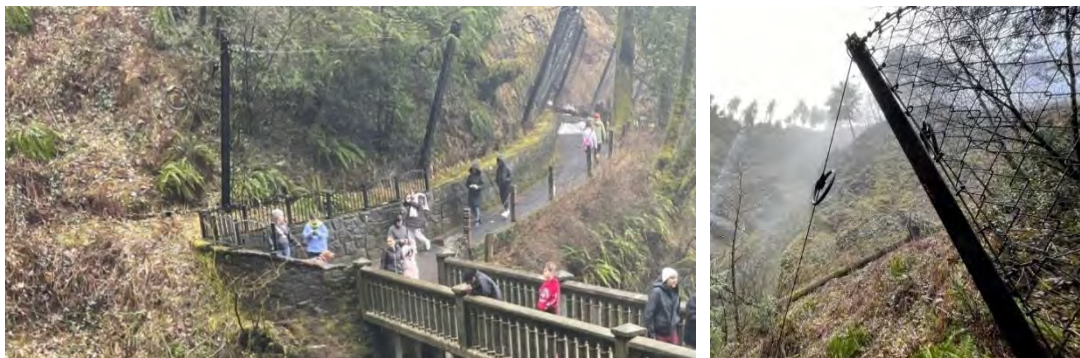


Figure 29: Rock nets along an example trail.

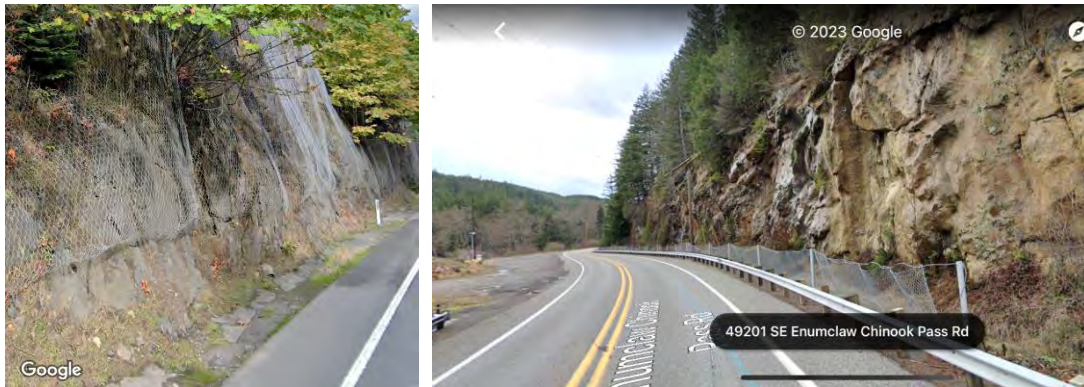


Figure 30: Rock net examples along roadways.

- *Rock face stabilization* – Another possibility could involve stabilizing rock face by shotcreting potentially unstable locations along the rock face. This option would be a more permanent solution and likely require less maintenance in the future. Extents of work and whether additional reinforcement measures (such as rock bolts) would have to be further evaluated in a subsequent phase of work.

As a starting point, it is recommended that slope stability analyses of select locations be conducted in subsequent phase of design work to confirm stability of the rock faces adjacent to the proposed trail alignment. The findings would help inform the selection of appropriate mitigation measures for rockfall.



7 Cost Estimates

Comparative cost estimates are generated for the preferred option. The design is at a 10% level. The accuracy of an estimate for a 10% design is -30% and +50% according to the WSDOT Cost Estimating Manual for Projects, M30-34.05 (January 2023 edition), as shown below:

Exhibit 4-2 Cost Estimating Matrix

Project Development Phase	Percentage of Design Completed	Purpose of Estimate	Methodology	Tools	Estimate Range
Planning Washington Transportation Plan Highway System Plan Design Studies Route Dev. Plans Pre-Design	0% to 2%	Screening or Feasibility WTP/HSP (20-Year Plan) WTP – Washington Transportation Plan HSP – Highway Systems Plan	Parametric	PLCE and/orMP3	-50% to +200%
	1% to 15%	Concept Study or Feasibility Implementation Plan (10 Yr. Plan)	Parametric Risk-Based	PLCE and/orMPE Risk assessment models	-40% to 100%
Scoping Project Summary (PD, DDS)	10% to 30%	Budget Authorization or Control Capital Improvement & Preservation Plan (CIPP)	Parametric Historical Bid- Based Risk-Based	PLCE and/orMP3 UBA, BidTabsPro Risk assessment models	-30% to +50%
Design Design Documentation I/S Plans for Approval Design Approval	30% to 90%	Design Estimates (Project Control of Scope Schedule Budget)	Historical Bid - Based Cost-Based Risk-Based	UBA, BidTabsPro, Risk assessment models	-10% to +25%
PS&E Plans, Specs, Estimate (R/W Plans approved)	90% to 100%	Engineer’s Estimate (prior to bid)	Historical Bid - Based Cost-Based Risk-Based	Ebase, UBA, BidTabs Pro, Risk assessment models	-5% to +10%

The cost estimates are developed use an initial set of unit prices based on agency resources, such as WSDOT, and recent past project bid pricing. These unit costs have been adjusted based on engineering judgement, transportation and fabrication costs, and current material/market prices. A full list of exclusions and assumptions are provided in the cost estimate breakdown in **Appendix B**.

Due to the similarities of the girder and truss bridge options, a cost estimate for the girder option is provided as a conservative upper bound of the two options.



8 Alternatives Evaluation

8.1 Evaluation Criteria

The alternatives evaluated based on key criteria identified in coordination with WSPRC. The criteria are summarized in the tables below for each bridge.

For Suburbia Bridge:

Criteria	Description
Standard Structure	The structural design complexity of each option is considered from the perspectives of engineering and construction effort. Does the option use industry standard methods of fabrication and construction?
Avoid Use of Existing Pier	Does the structural option avoid re-using the existing pier?
Low Operations and Maintenance	Low long-term maintenance of the completed structure. Uses durable features with low graffiti potential.
Constructability	Good constructability with conventional construction methods. Access and staging areas are sufficient for building the structural system.
Aesthetics	Attractive finished product provides views out from the deck over the water and surrounding landscape.
Capital Cost	Total cost of the proposed structure relative to other options.
Reduce Permitting Requirements	Does the proposed structure reduce the permitting requirements and coordination with authorities having jurisdiction?

For Snyder Creek:

Criteria	Description
Standard Structure	The structural design complexity of each option is considered from the perspectives of engineering and construction effort. Does the option use industry standard methods of fabrication and construction?
Ease of Construction	Ease of construction relative to the other options?
Cost	How does the cost compare with the anticipated service life?
Durability	Longer term durability against maintenance and vandalism.



8.2 Options Evaluation

Using the evaluation criteria and considerations discussed in the previous sections as a basis, an evaluation matrix is used to assess whether each design alternative will satisfy the project requirements and goals. A filled circle fully satisfies the criteria, an open circle partially satisfies the criteria, and no circle does not satisfy the criteria.

Table 1: Evaluation matrix of alternatives for Suburbia Bridge.

Criteria	Girder Bridge	Truss Bridge	Suspension Bridge
Standard Structure	●	●	○
Avoid Use of Existing Pier			●
Low Operations and Maintenance	○	●	○
Constructability	○	○	●
Aesthetics			●
Capital Cost	○	●	
Reduce Permitting Requirements	○	○	●

The **suspension bridge** option is carried forward as the preferred alternative with the most circles, four of which are filled.

Table 2: Evaluation matrix of alternatives for Snyder Creek Bridge.

Criteria	Steel Girder	Timber Prefabricated
Standard Structure	●	●
Constructability	○	●
Cost		●
Durability	●	

The **timber prefabricated bridge** option is carried forward as the preferred alternative with the most filled circles.



9 Recommendations and Conclusions

9.1 Suburbia Bridge

From the discussions on advantages and drawbacks of each individual option, and from the comparison above, the suspension bridge option appears to meet all the requirements and goals for the project. It is anticipated that this option meets WSPRC's objectives for this site.

This option satisfies the functional requirements for serviceability while addressing constructability concerns with the remote nature of the site and surrounding sensitive environmental areas. This option also avoids the need for re-using the pier both during construction and in the permanent state, subsequently staying out of the waterway and eliminating the need for environmental permitting. This also avoids costs and effort required to evaluate the integrity of the existing pier, which has a high degree of uncertainty at this stage.

In service, the suspension bridge solution provides a clean aesthetic appearance suitable to the remote project location and is robust enough to accommodate the design maintenance vehicle.

9.2 Snyder Creek Bridge

Based on the uncertainty of the future of the Snyder Creek Bridge, it is recommended to proceed with the most affordable and constructable option, which is the prefabricated timber bridge. This solution will meet the immediate basic need to connect the trail across the creek at a low price point and provide WSPRC time to develop their future plans for this area and trail at which point a long-term solution for the crossing can be determined.

Additional coordination with Klickitat County is required to confirm acceptance of a shift in bridge location from the current location studied in this report to a proposed location closer to Snyder Creek culvert over SR 142.

9.3 Trail Alignment

A preliminary trail alignment is developed between Durkee Road and Suburbia Bridge, maintaining a minimum of six feet from the edge of the SR 142 roadway and the edge of trail walking surface, in accordance with WSDOT and WSPRC requirements. Additional coordination will be required to determine the acceptability of the trail crossing across SR 142 at the Suburbia Bridge end.



10 References

Fisher Hill Bridge photo

<https://bridgehunter.com/photos/43/10/431048-L.jpg>

Mine Creek Trestle photo

<https://washingtongravelriding.home.blog/2020/02/25/the-palouse-to-cascades-trail/>

Patterson Viaduct Bridge over Patapsco River

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Sa Teekh Wa Suspension Bridge

<https://winthropwashington.com/business/sa-teekh-hwa-bridge/>

Ross Lake Desolation Peak

<https://www.seattletimes.com/life/outdoors/for-a-user-friendly-back-country-trip-combine-camping-with-boating-on-ross-lake/>

Muskrat Falls Temporary Bridge

<https://www.canambridges.com/projects/lower-churchill-project-muskrat-falls-temporary-bridge/>

Prefabricated Timber Bridge

<https://www.industrialtimberproducts.com/product-category/bridges/pre-assembled-atv-pedestrian-bridges/>



Appendix A – Alignment Drawings

Plan and Section Drawings of Trail Alignment



Appendix B – Cost Estimate

Opinion of Probable Cost of Preferred Alternatives



Appendix C – Basis of Design

Documentation of design criteria



Appendix D – Geological/Geotechnical Technical Memo

Geotechnical Memo on existing geologic conditions



Appendix E – Hydraulic and Hydrologic Technical Memo

Study of the river hydraulics and high-water elevation for design of Suburbia Bridge



Appendix F – Environmental Considerations Memos

Documentation of environmental findings and discussion



Appendix G – Permitting Matrix

Summary of permitting that could be necessary for the project



Appendix H – Site Photos

Reconnaissance photos of the existing site conditions collected during field visits



PLAN
SCALE: 1" = 150'-0"

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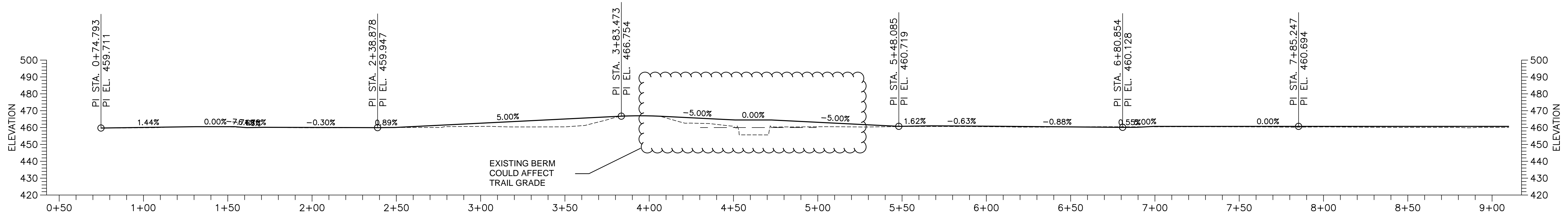
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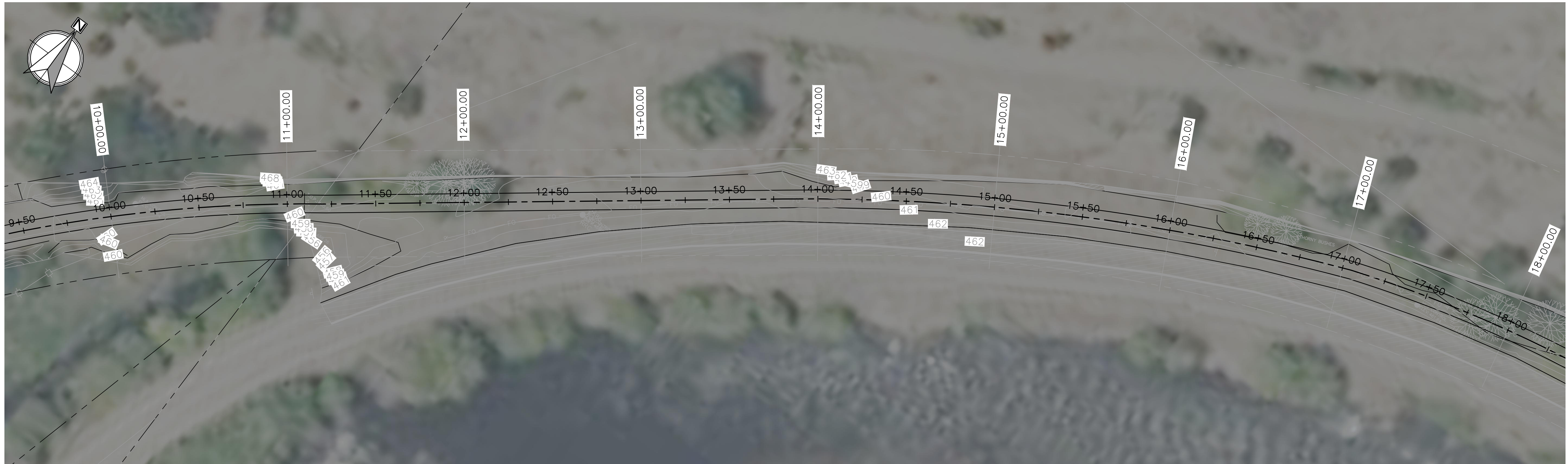


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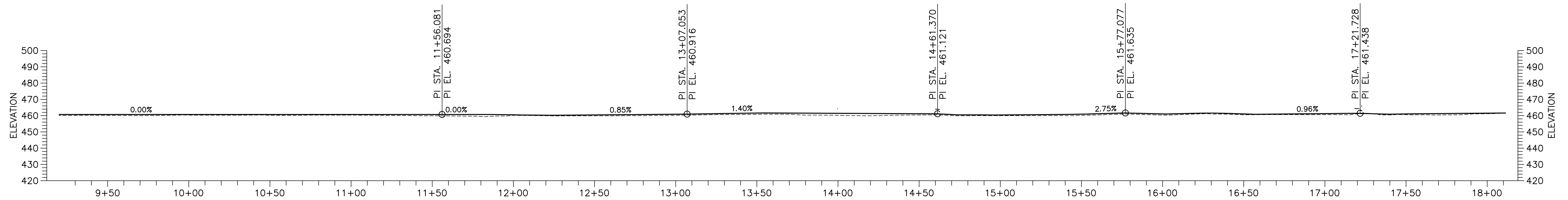
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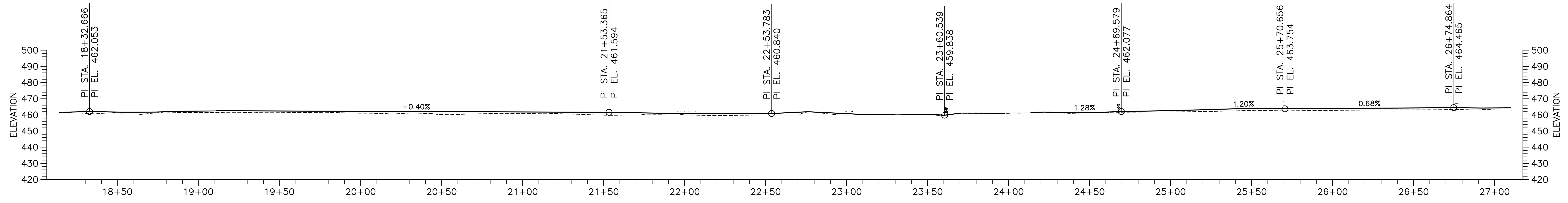
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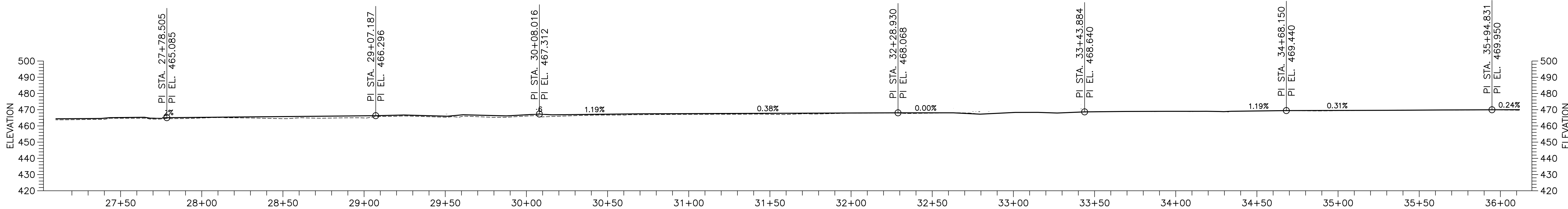
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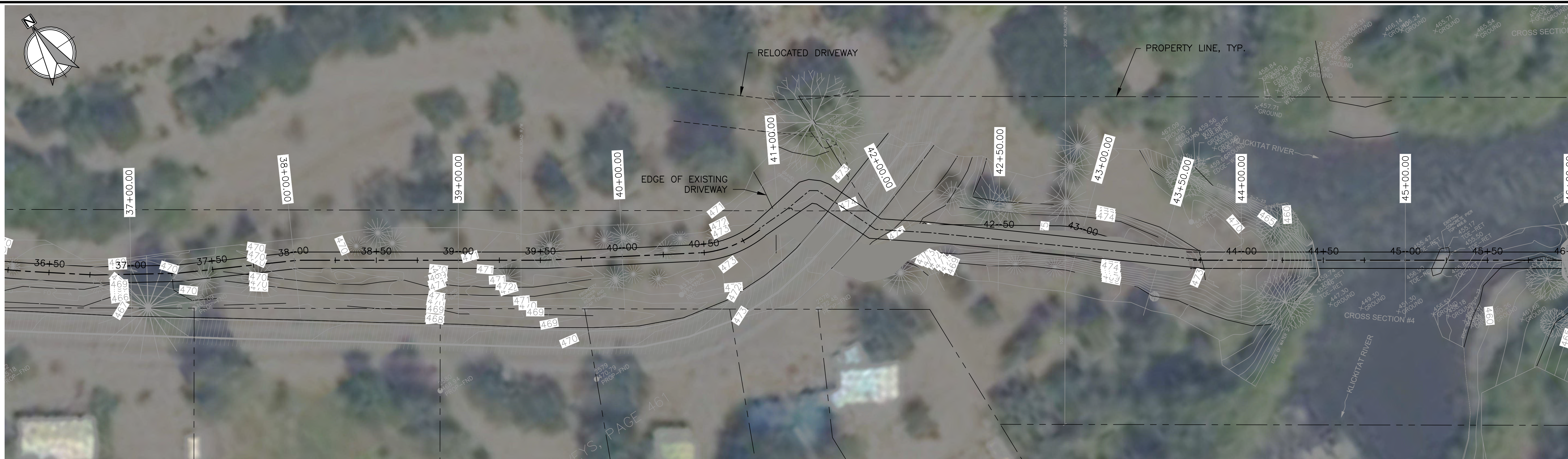
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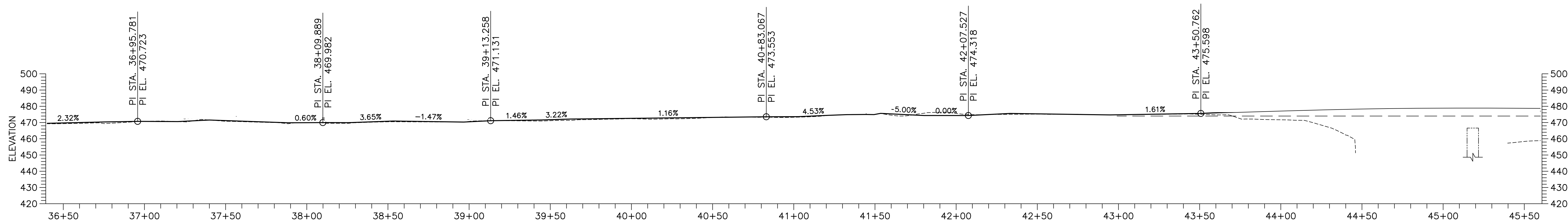
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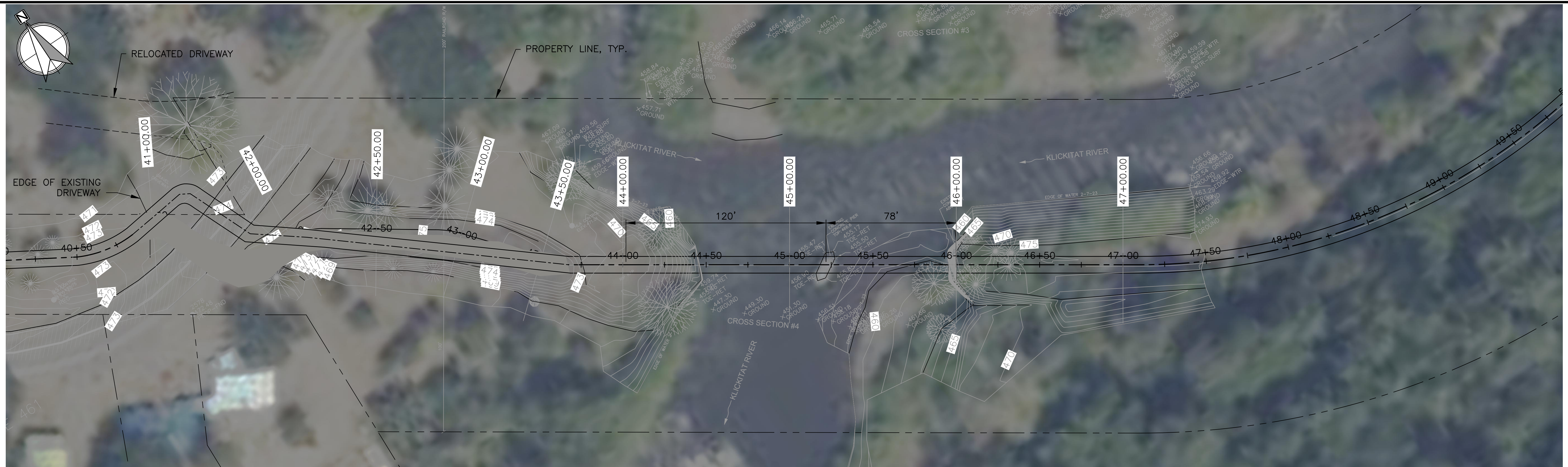


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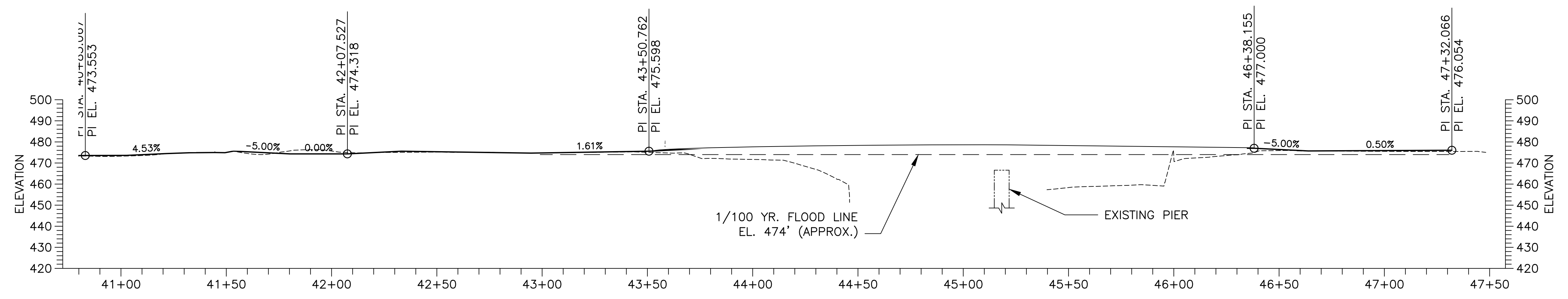
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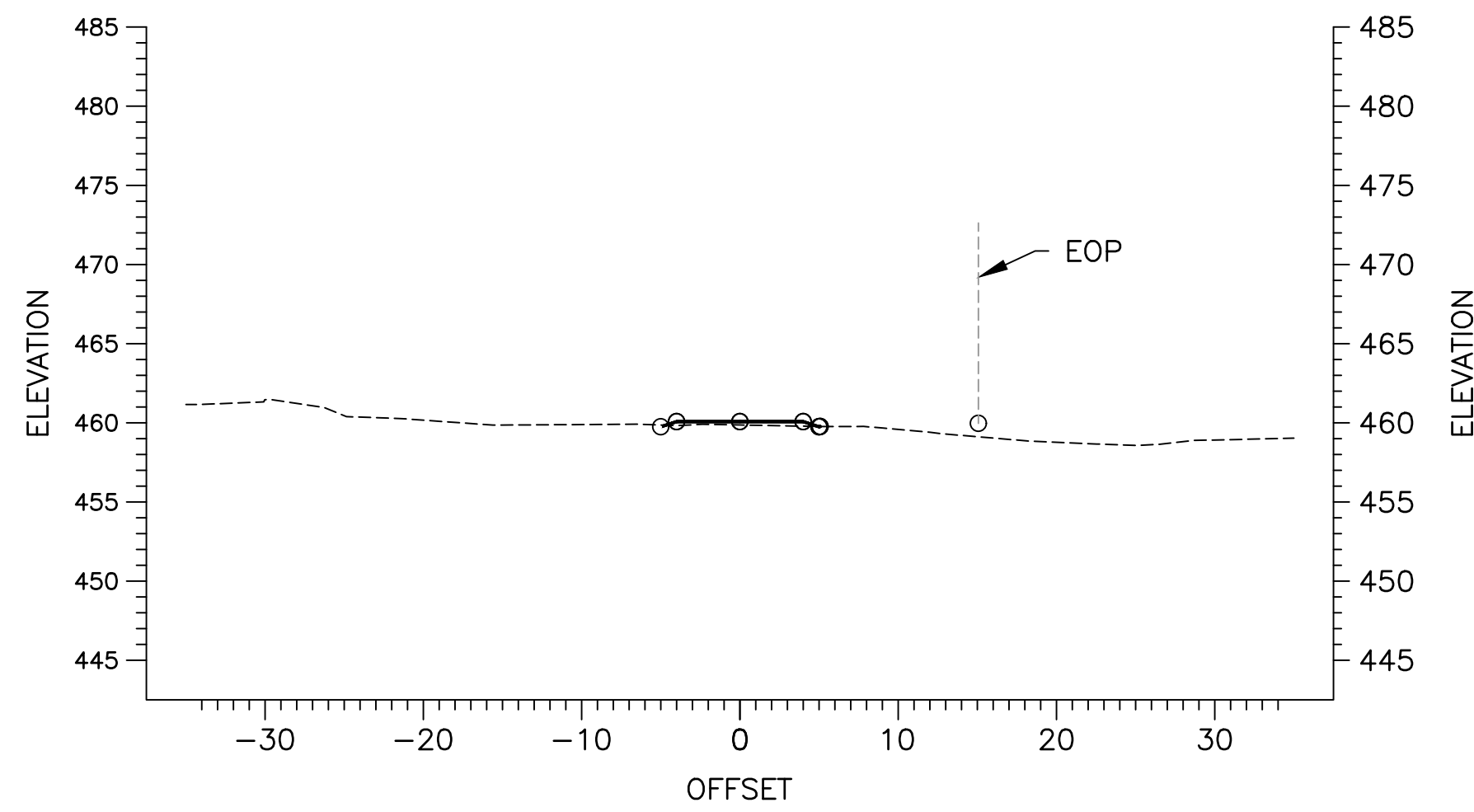
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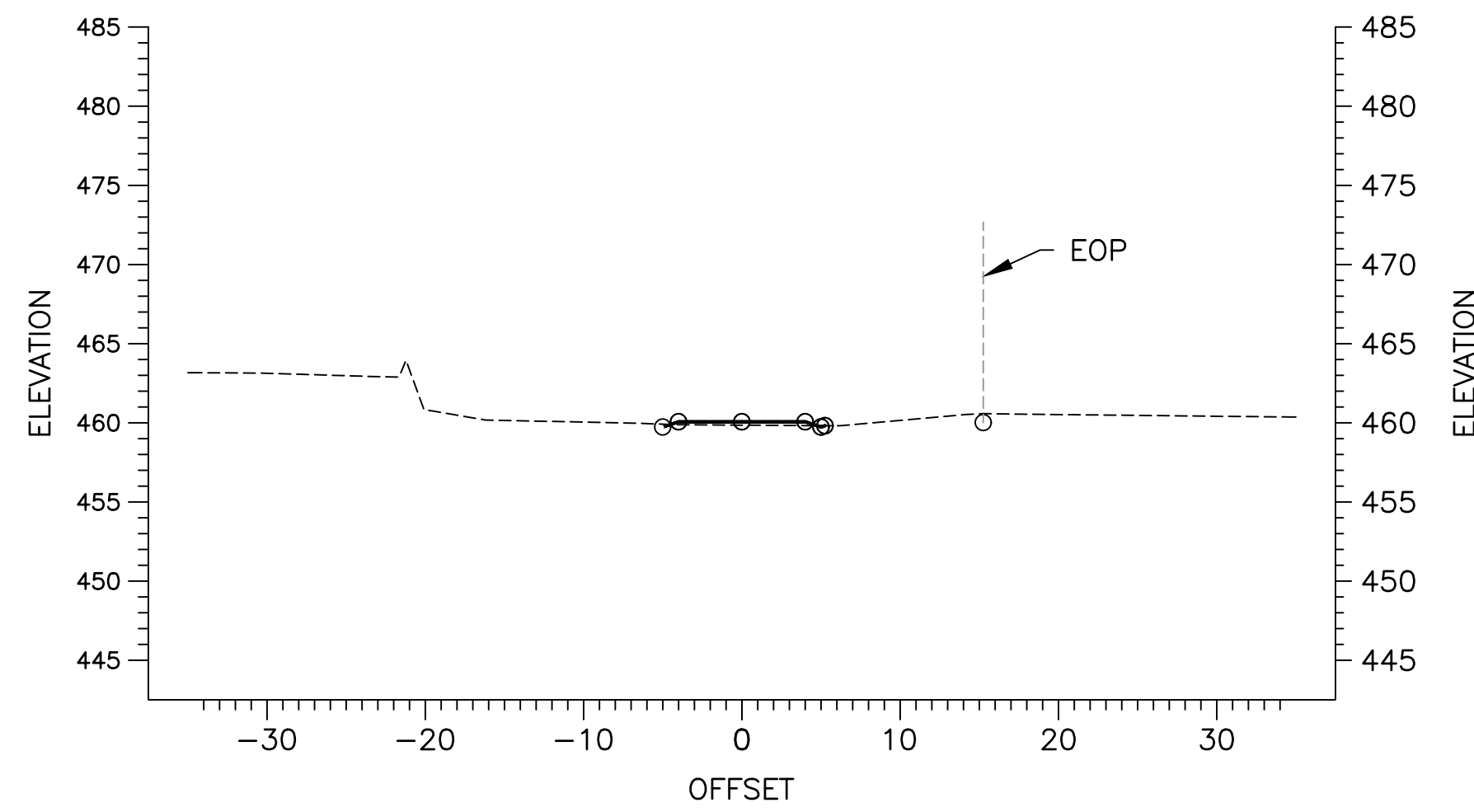
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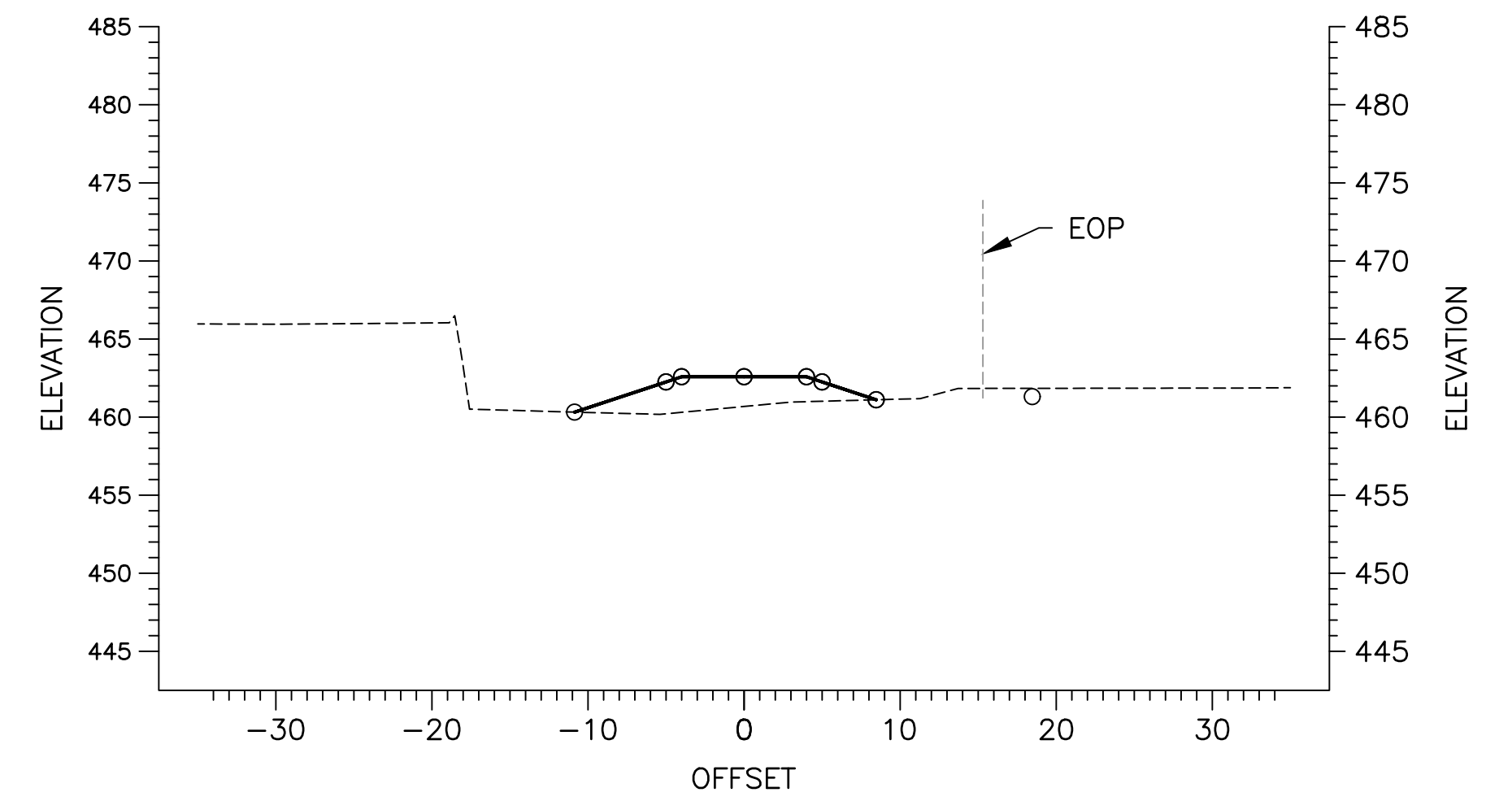
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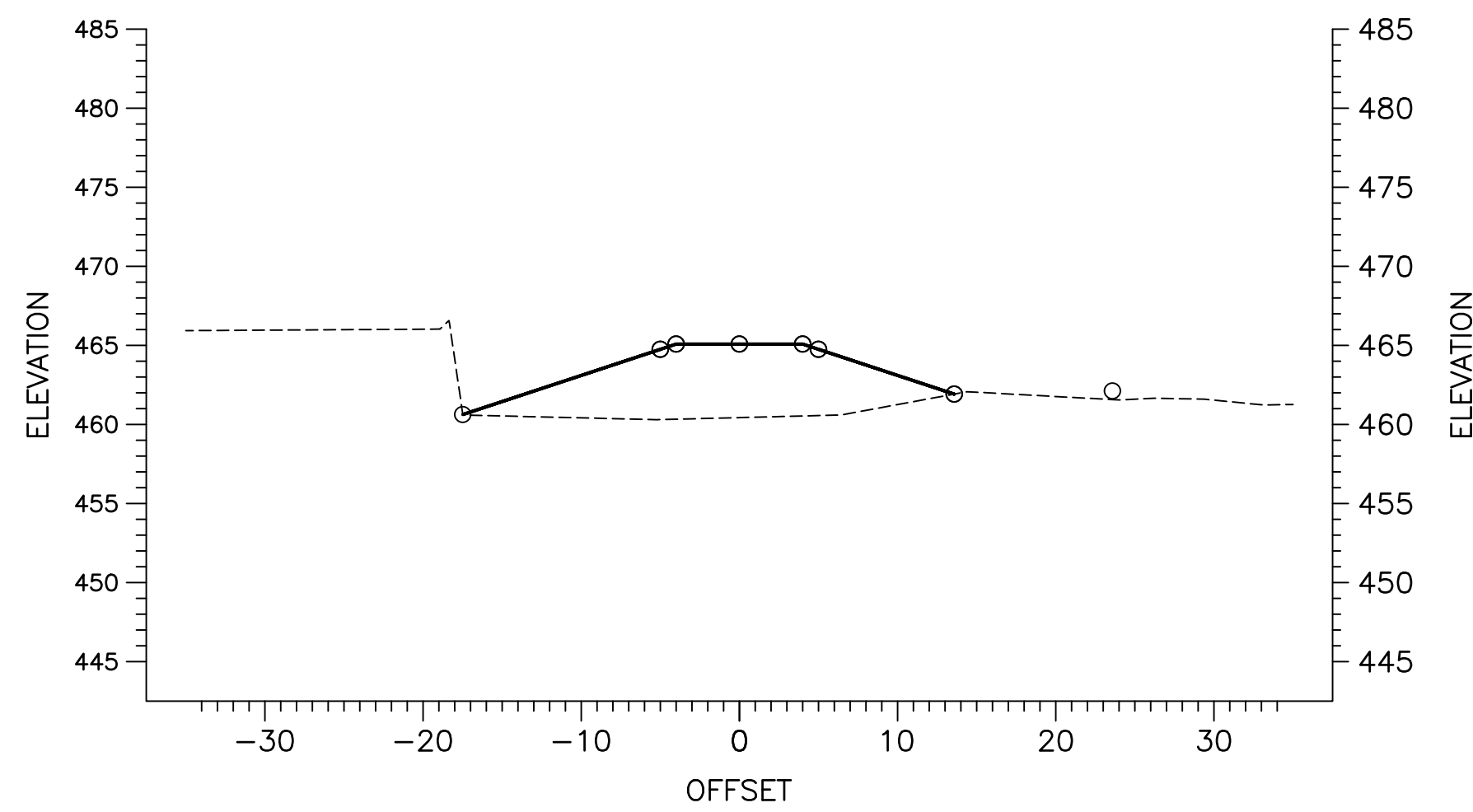
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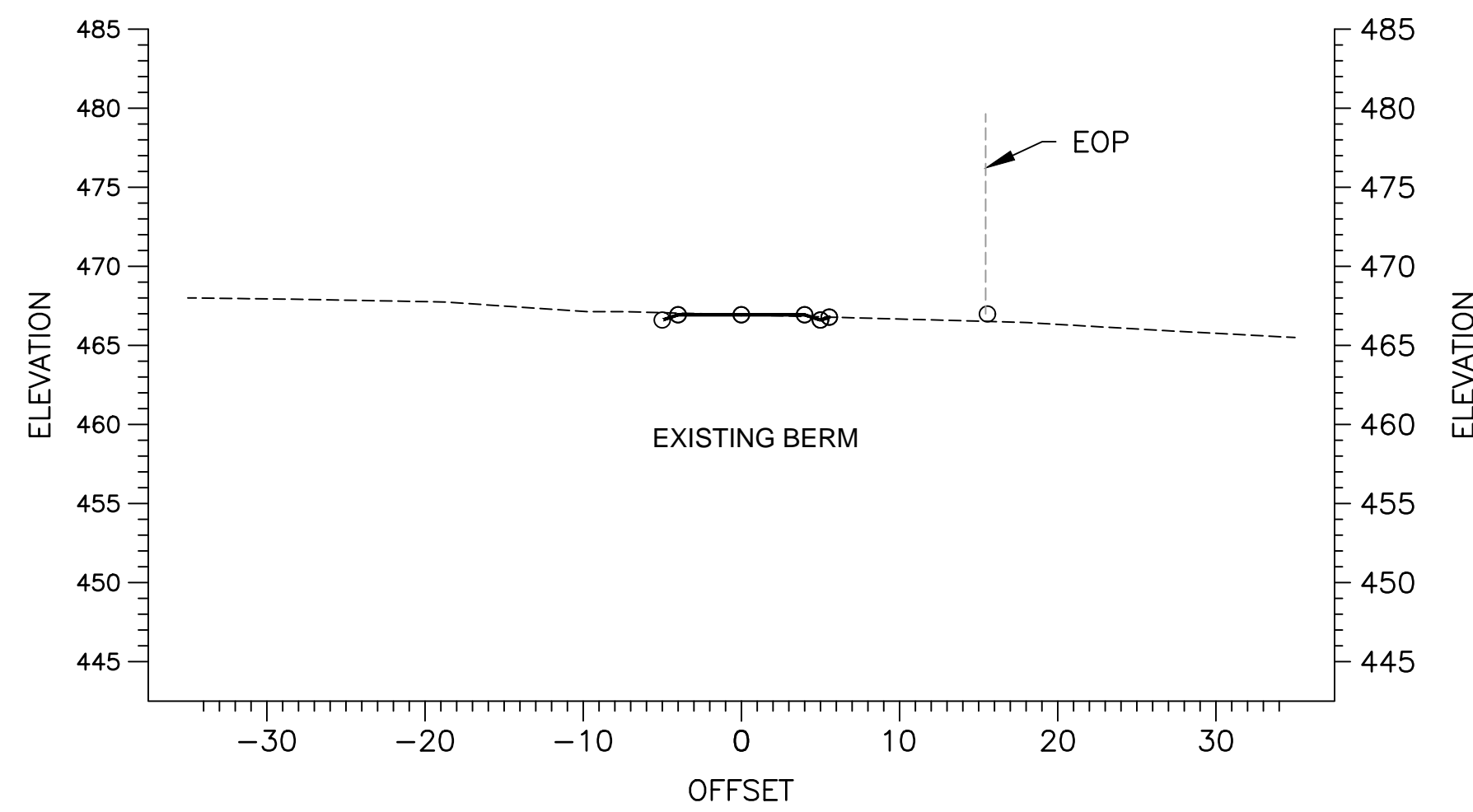
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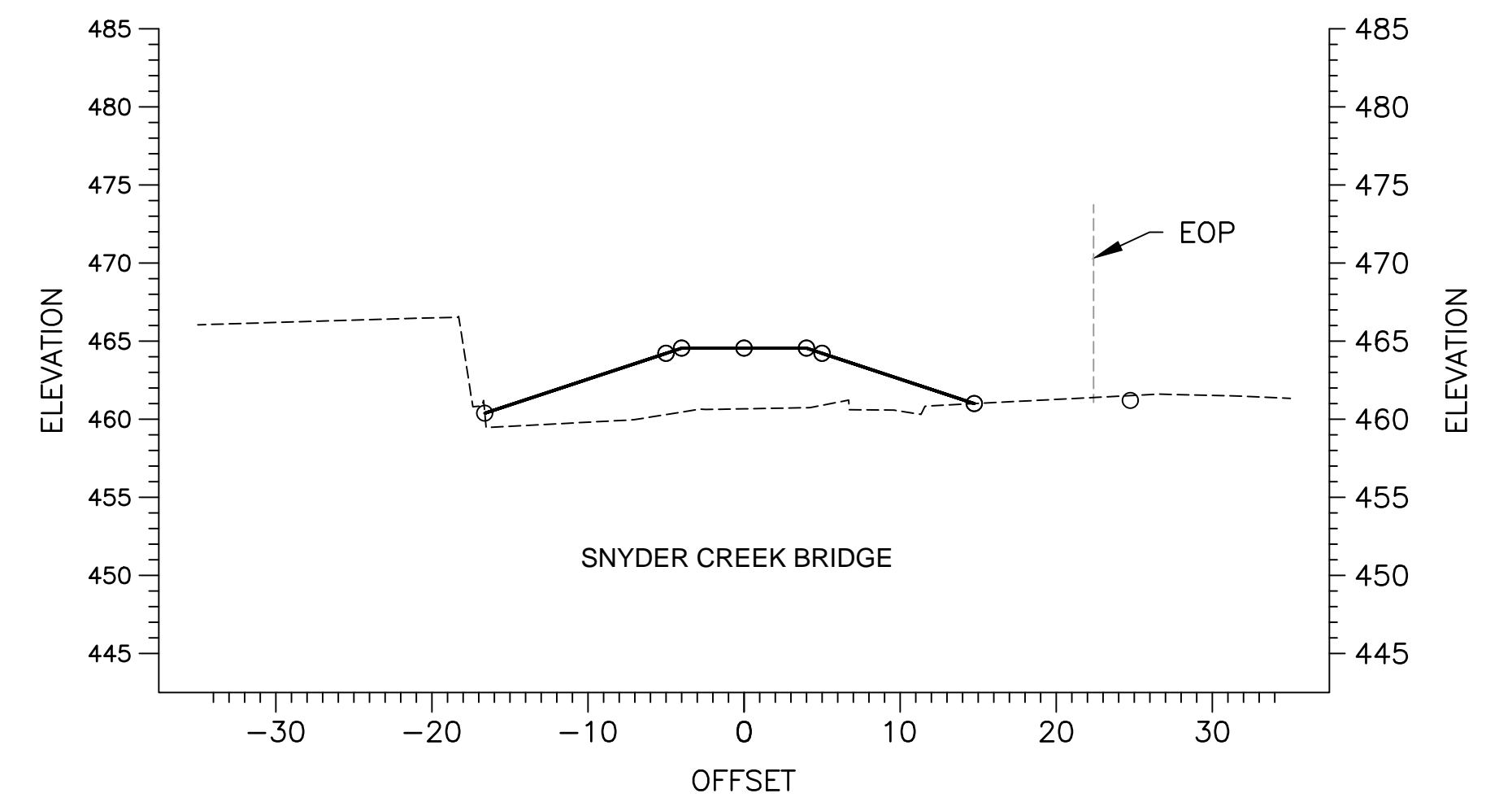
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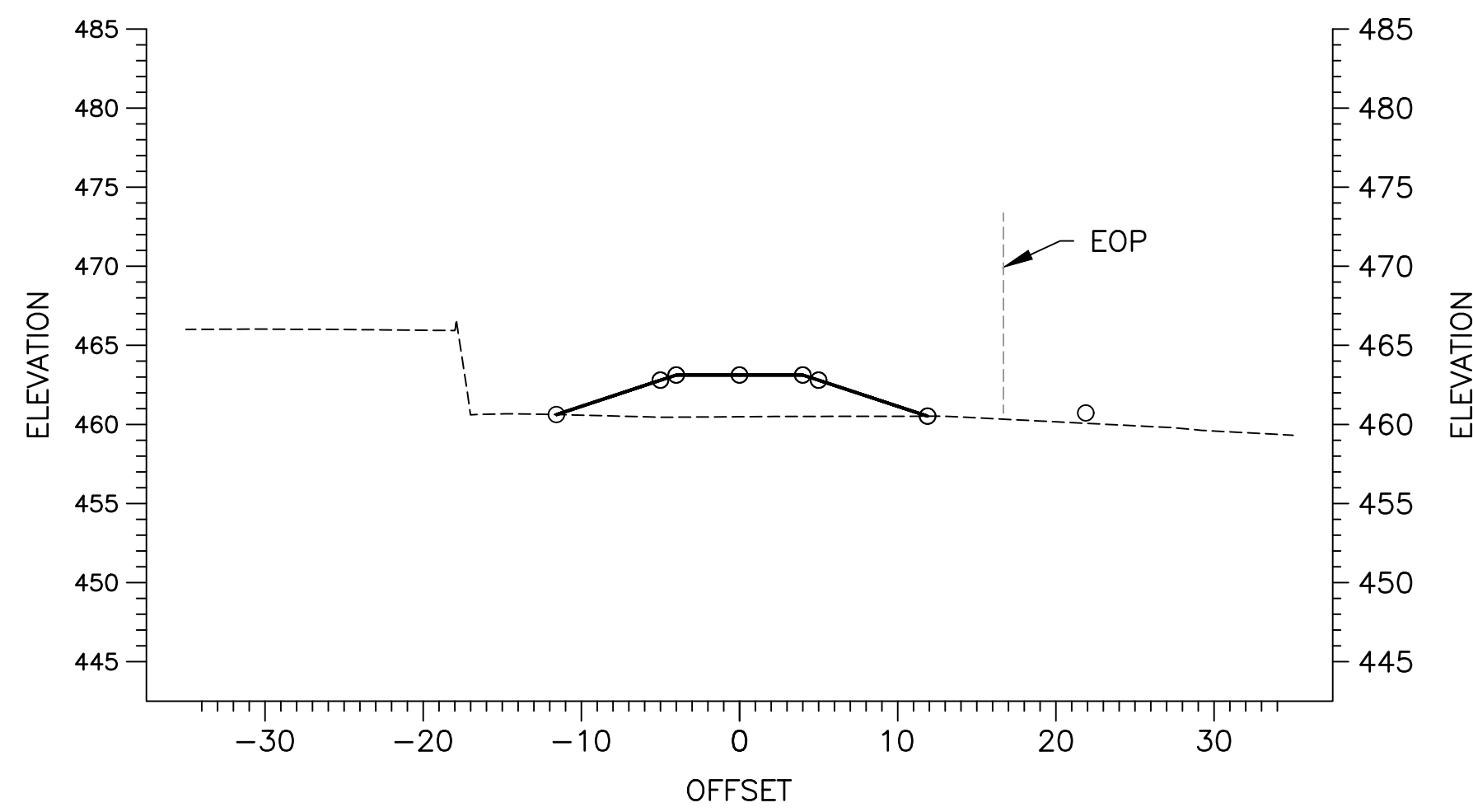
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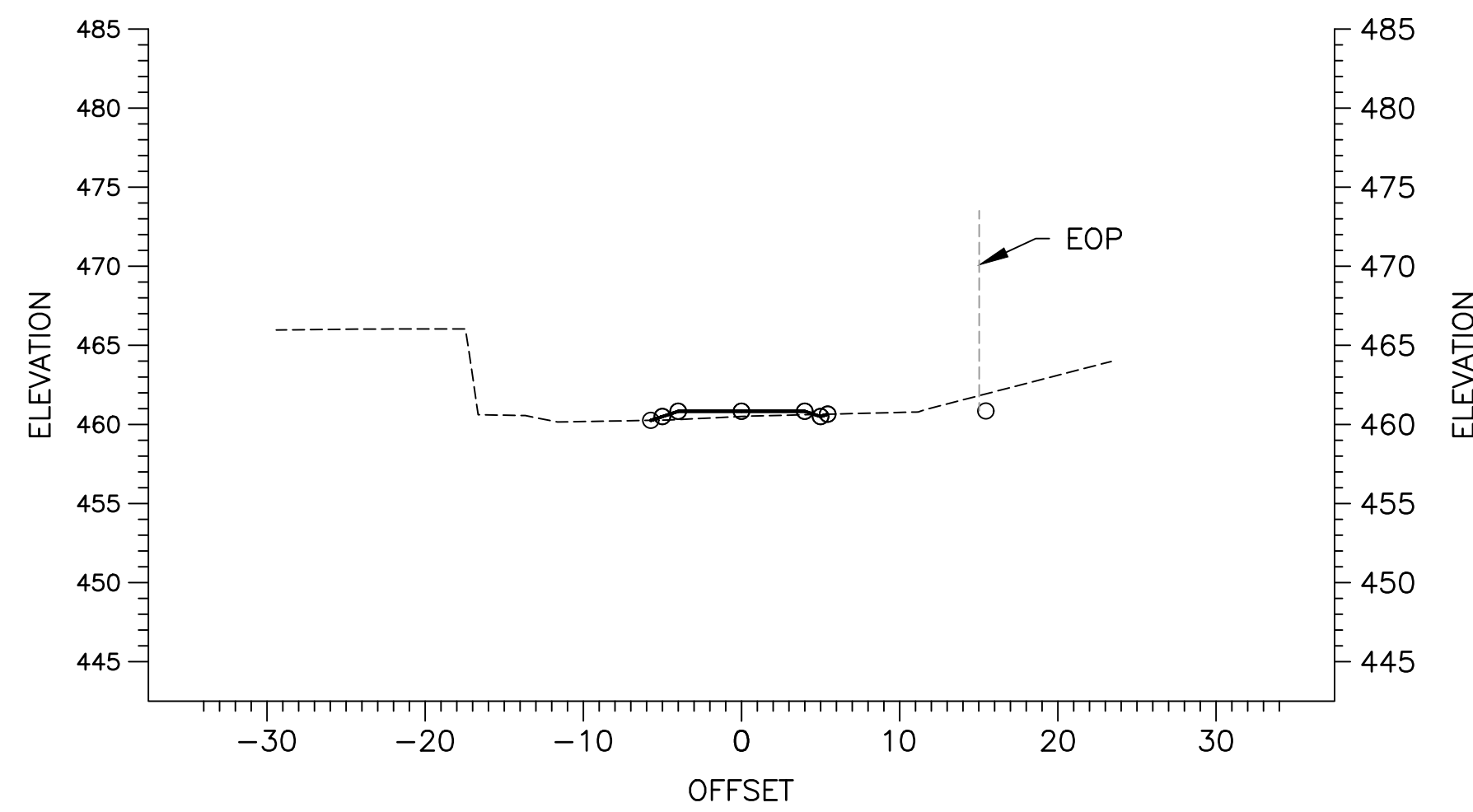
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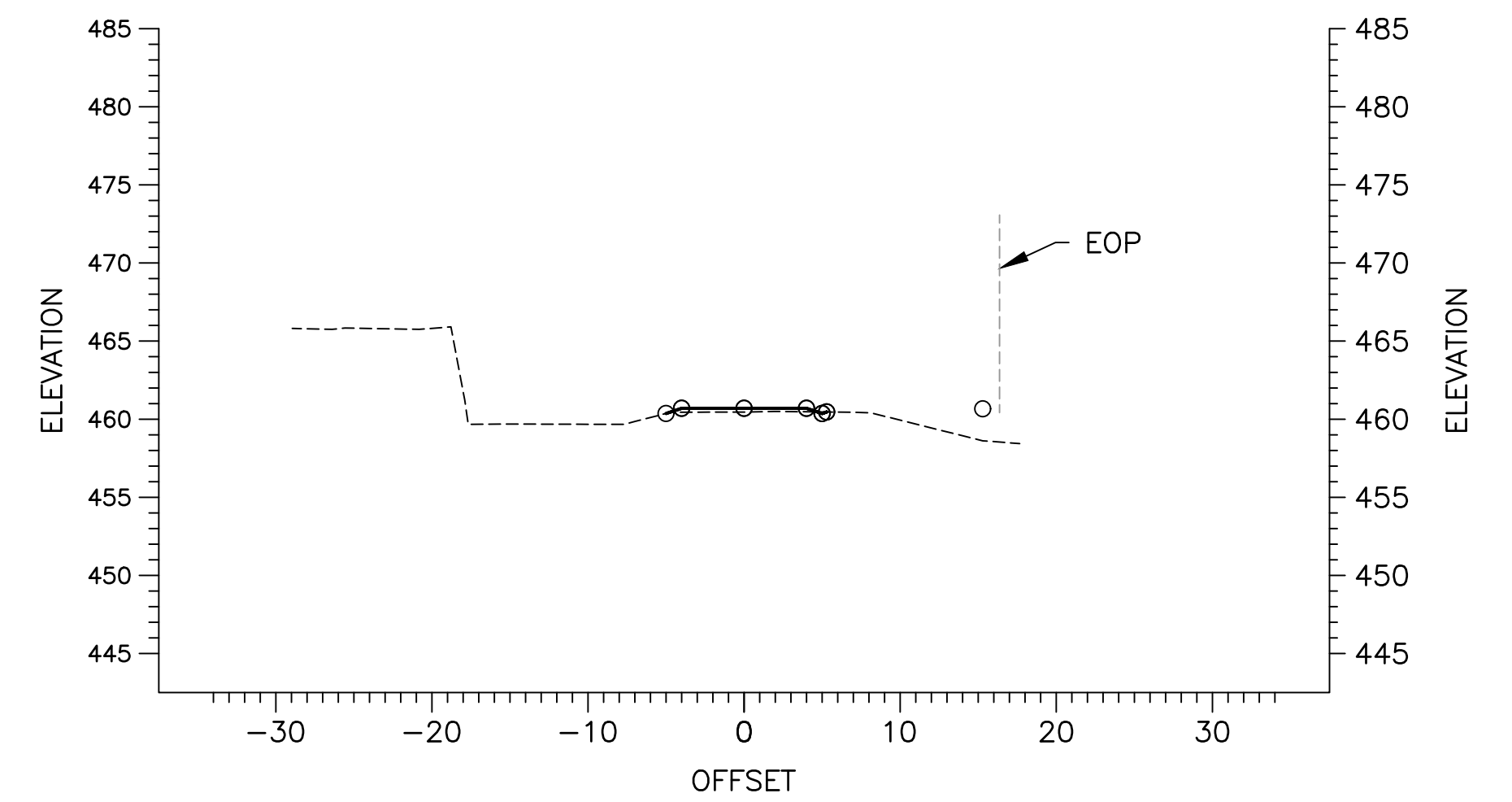
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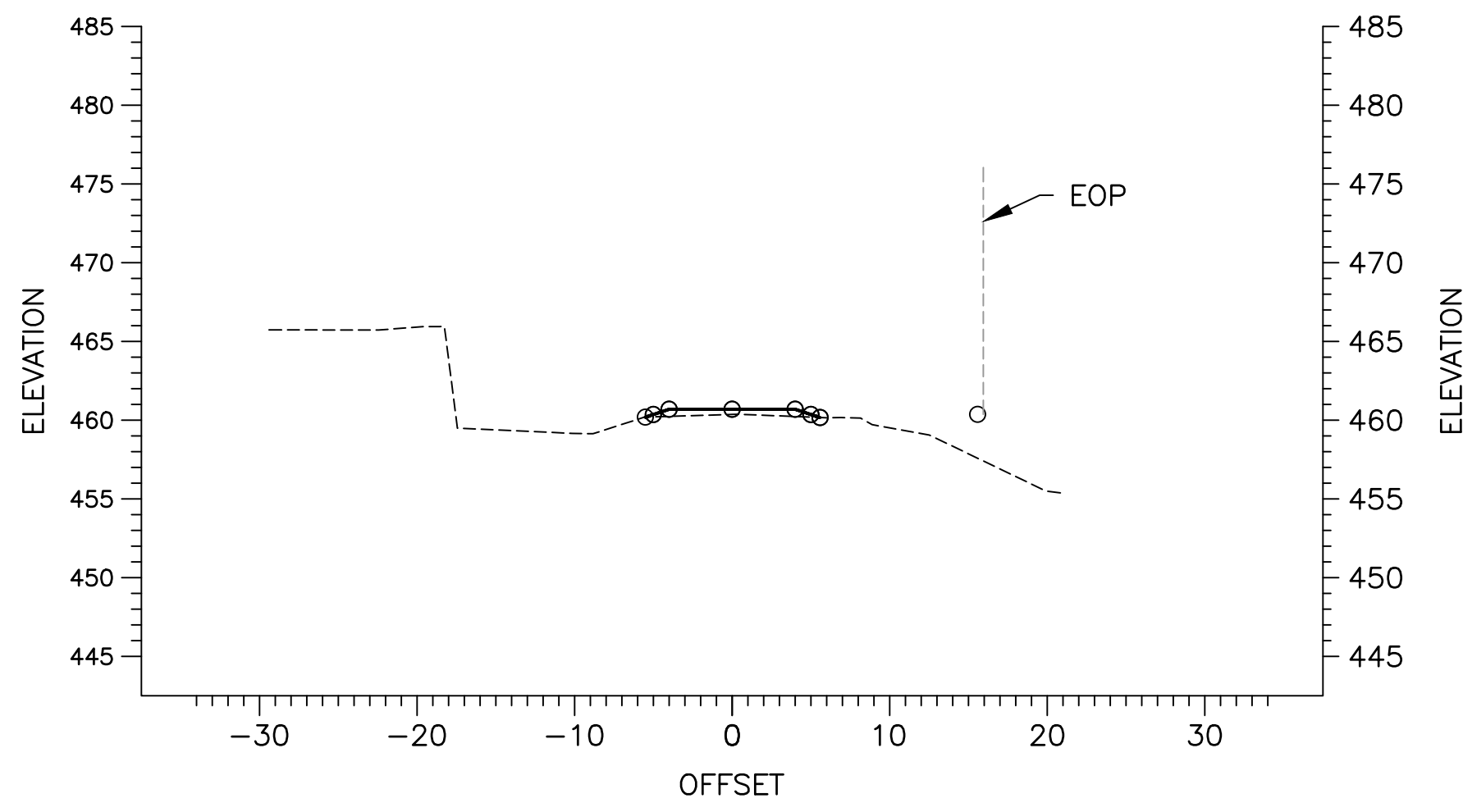
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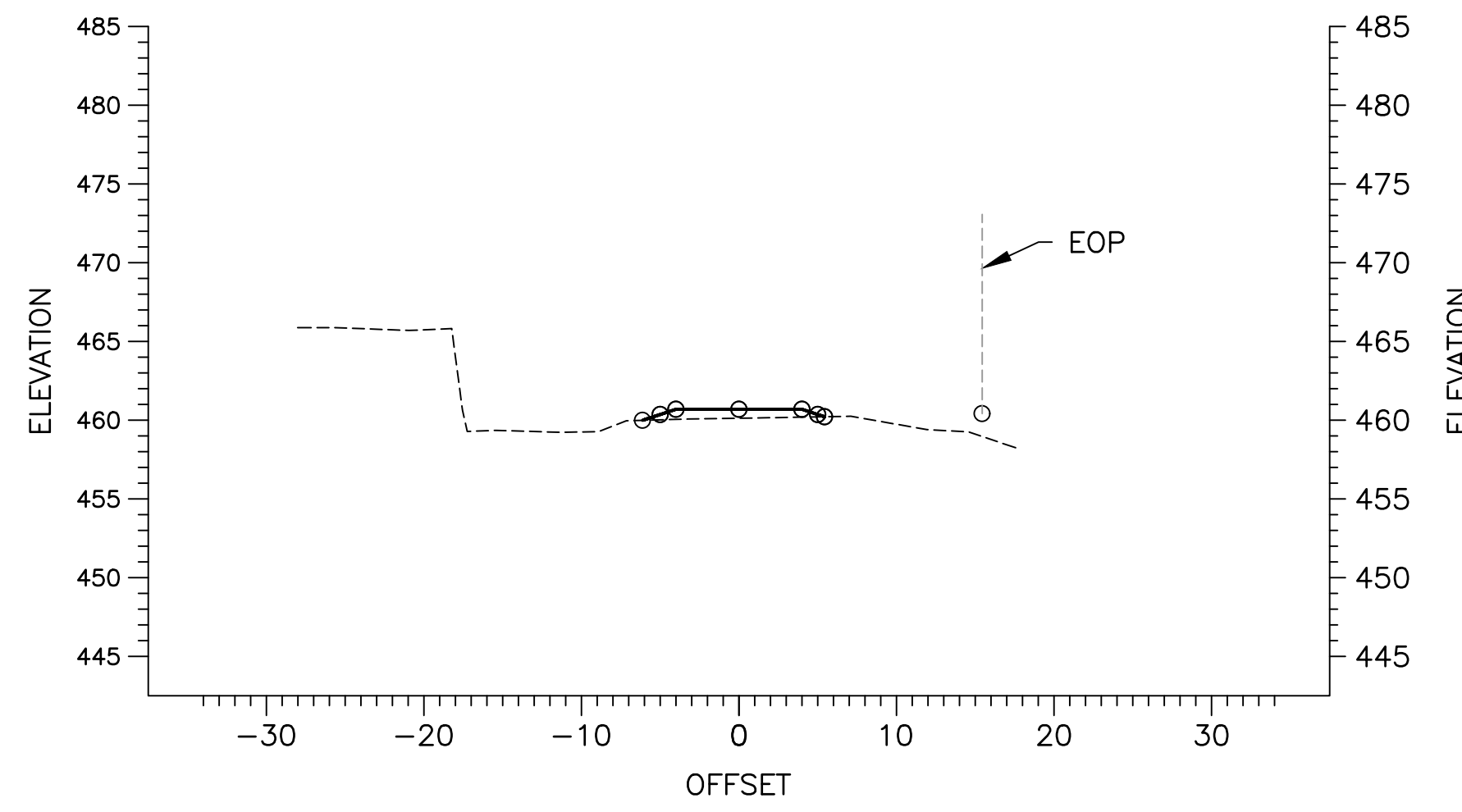
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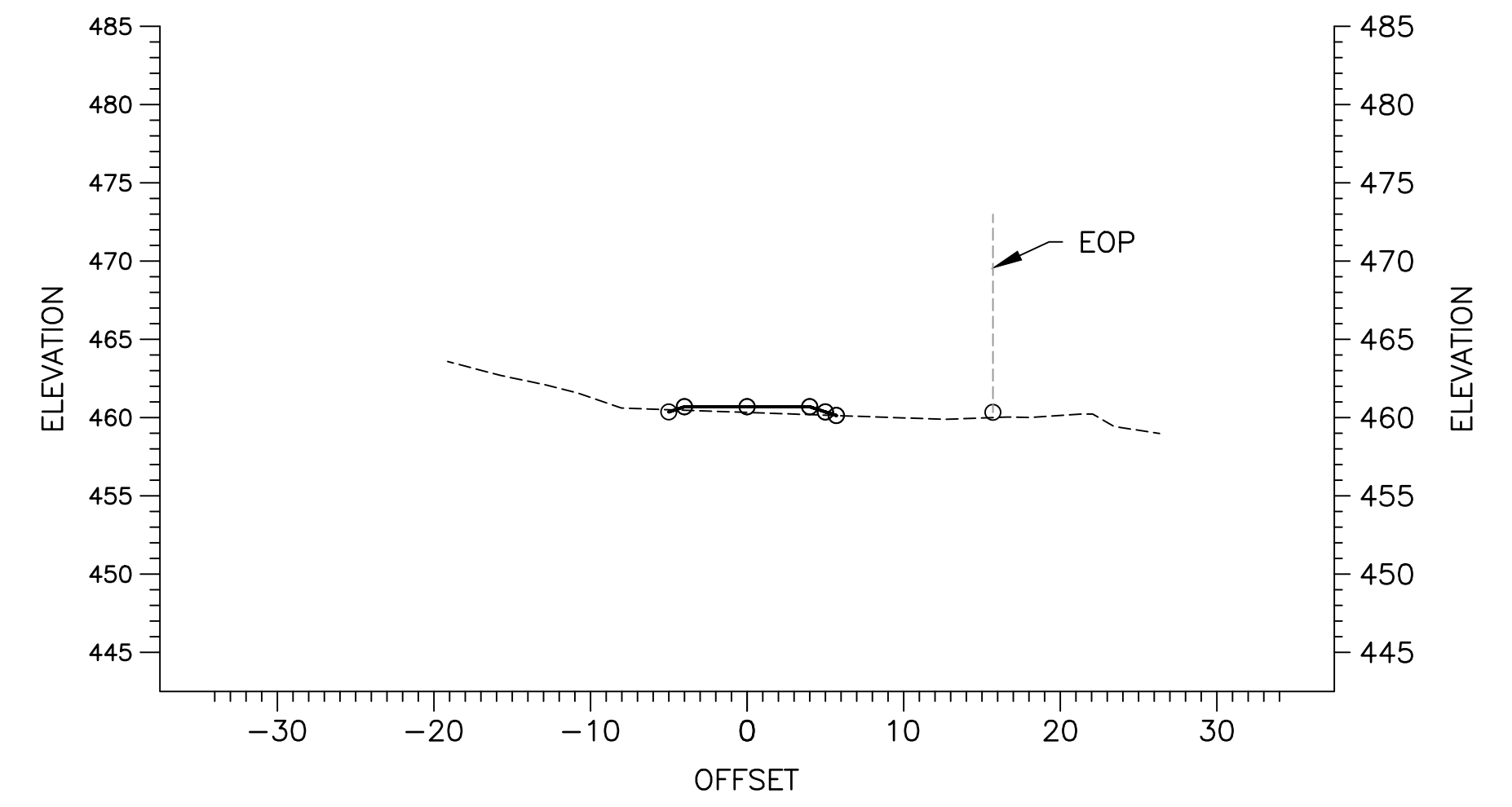
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PROJECT No: 1236	
SHEET: S-8	REV: A



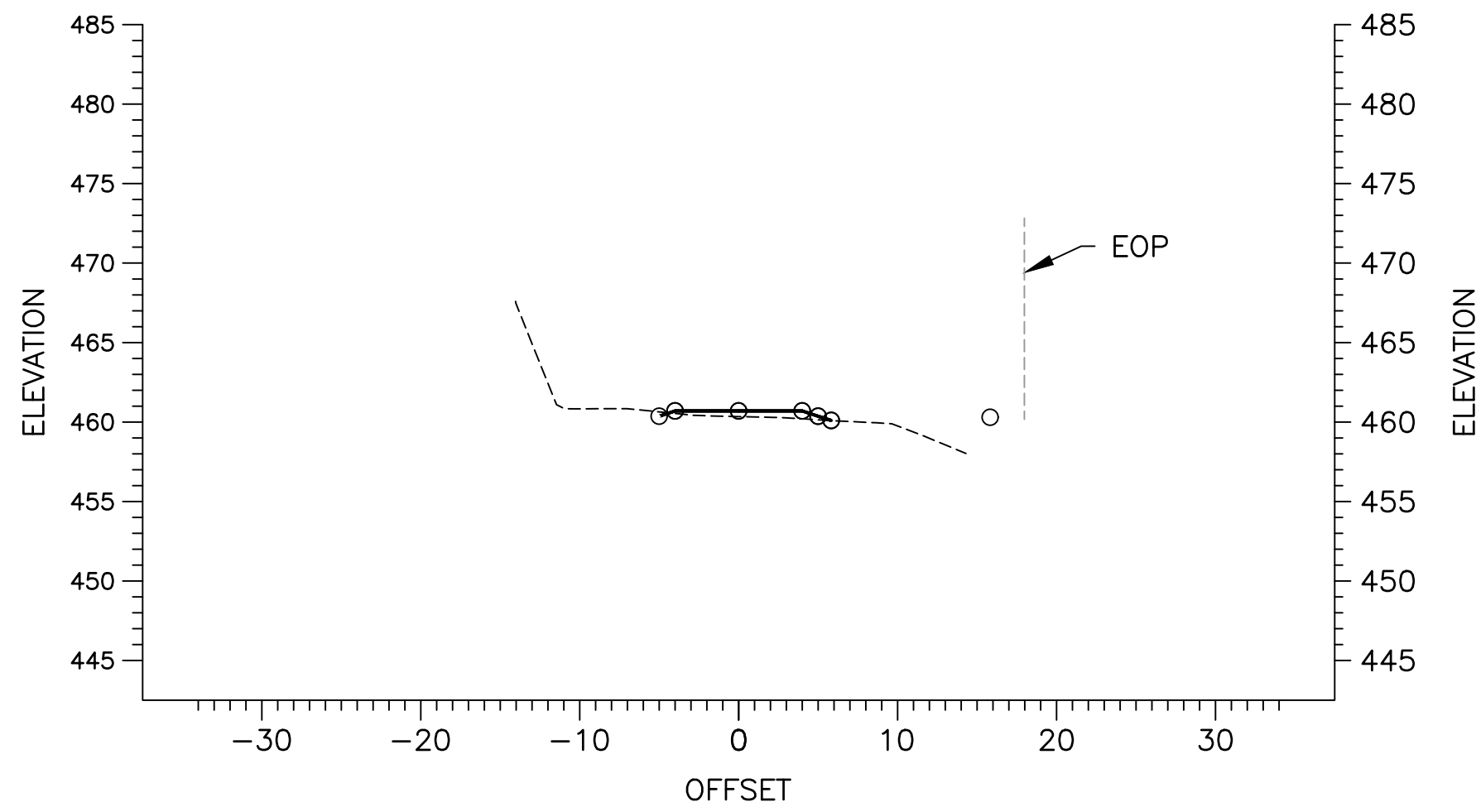
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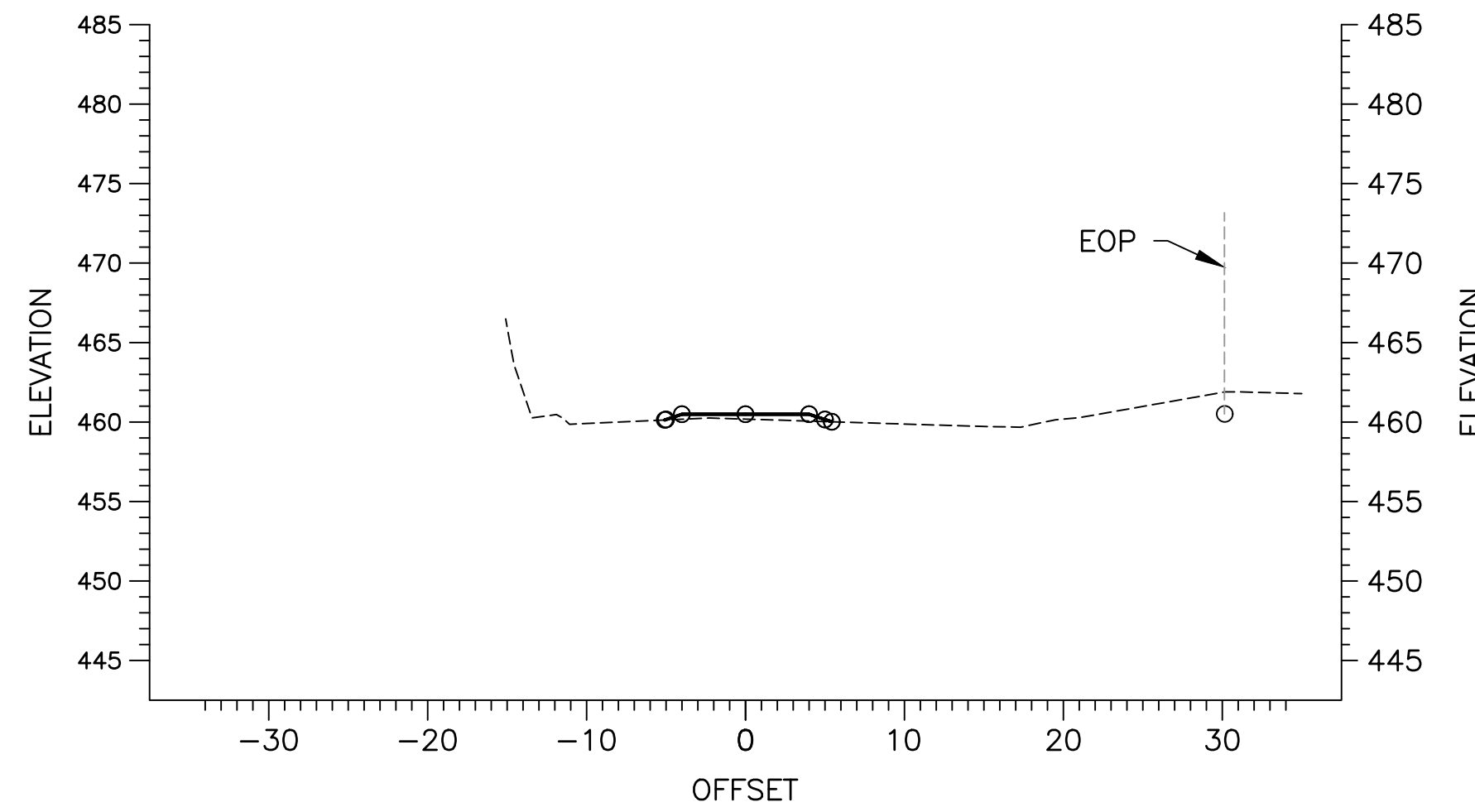
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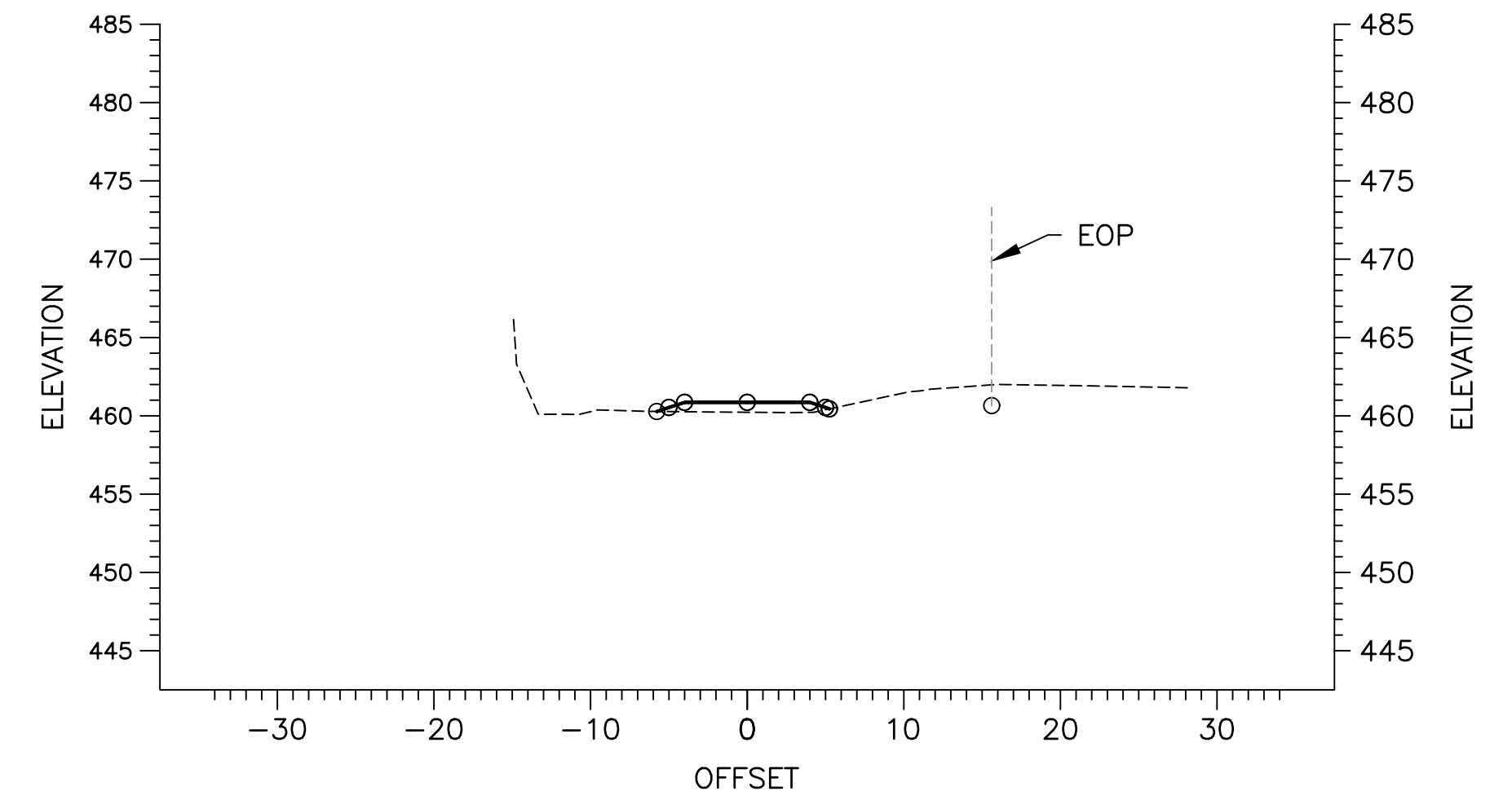
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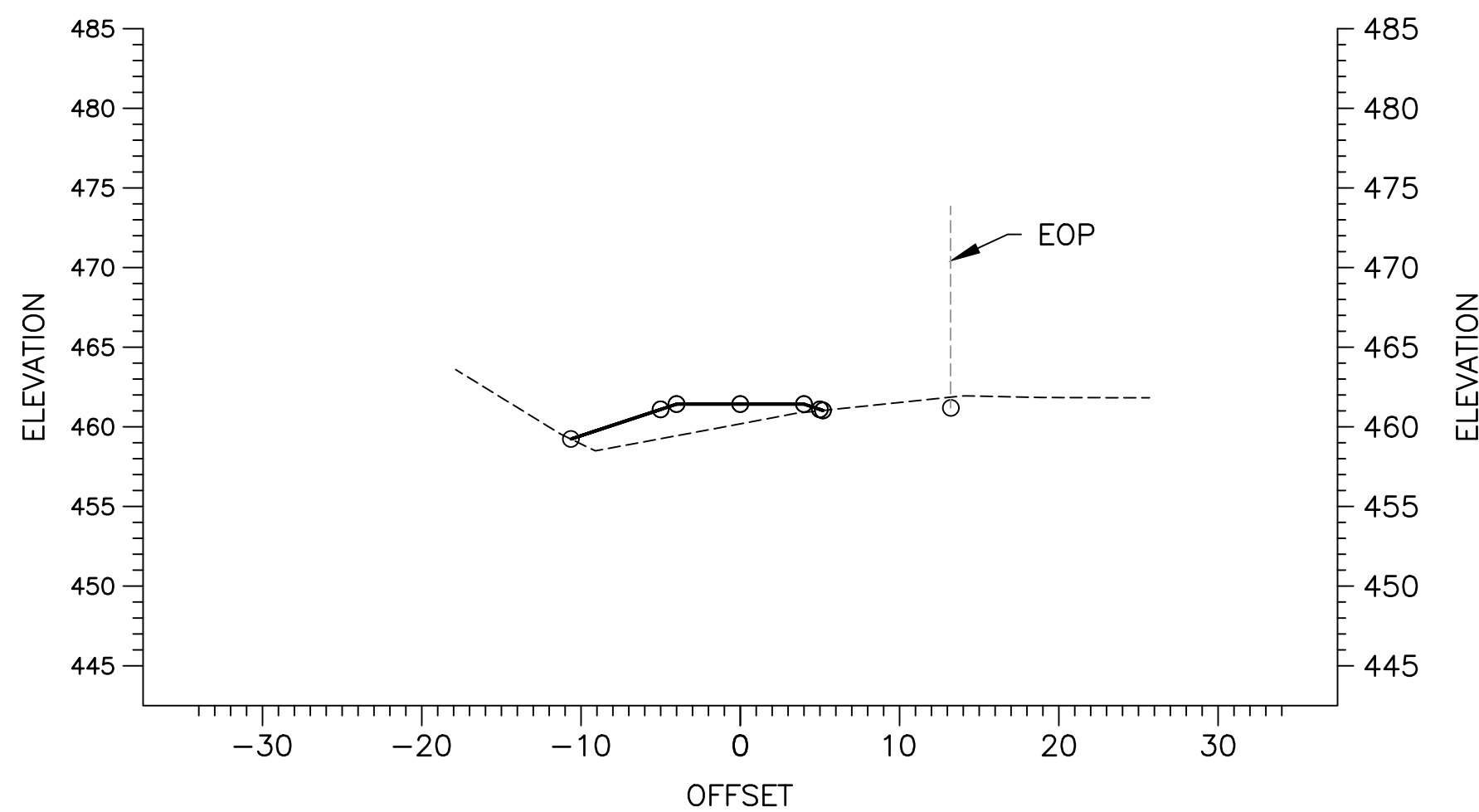
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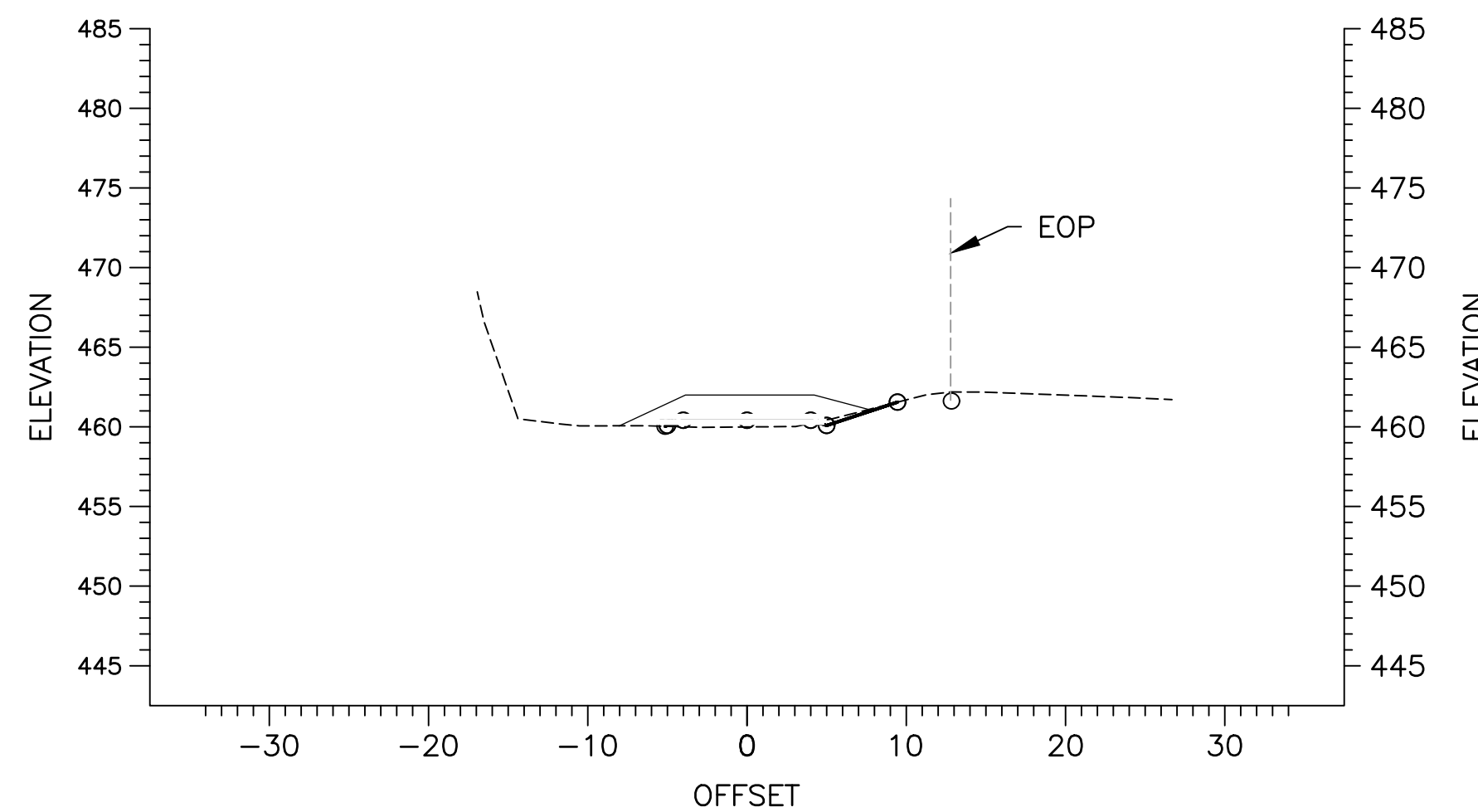
12+00.000



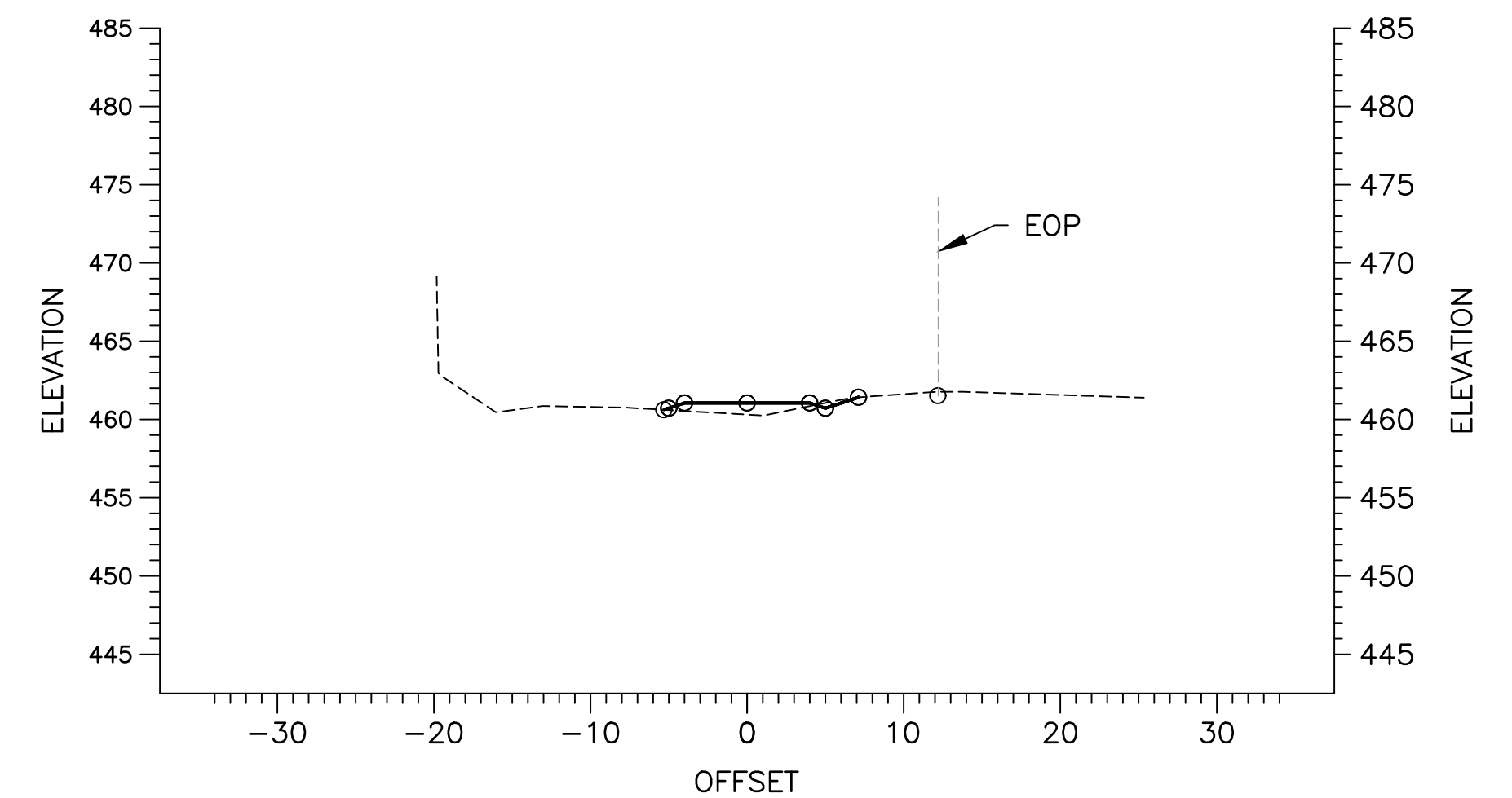
13+00.000



14+00.000



15+00.000



16+00.000

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. XXXX.

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REVISIONS			
REV	DATE	DESCRIPTION	BY
A	2023/04/14	ISSUED FOR ALTERNATIVES ANALYSIS	SV

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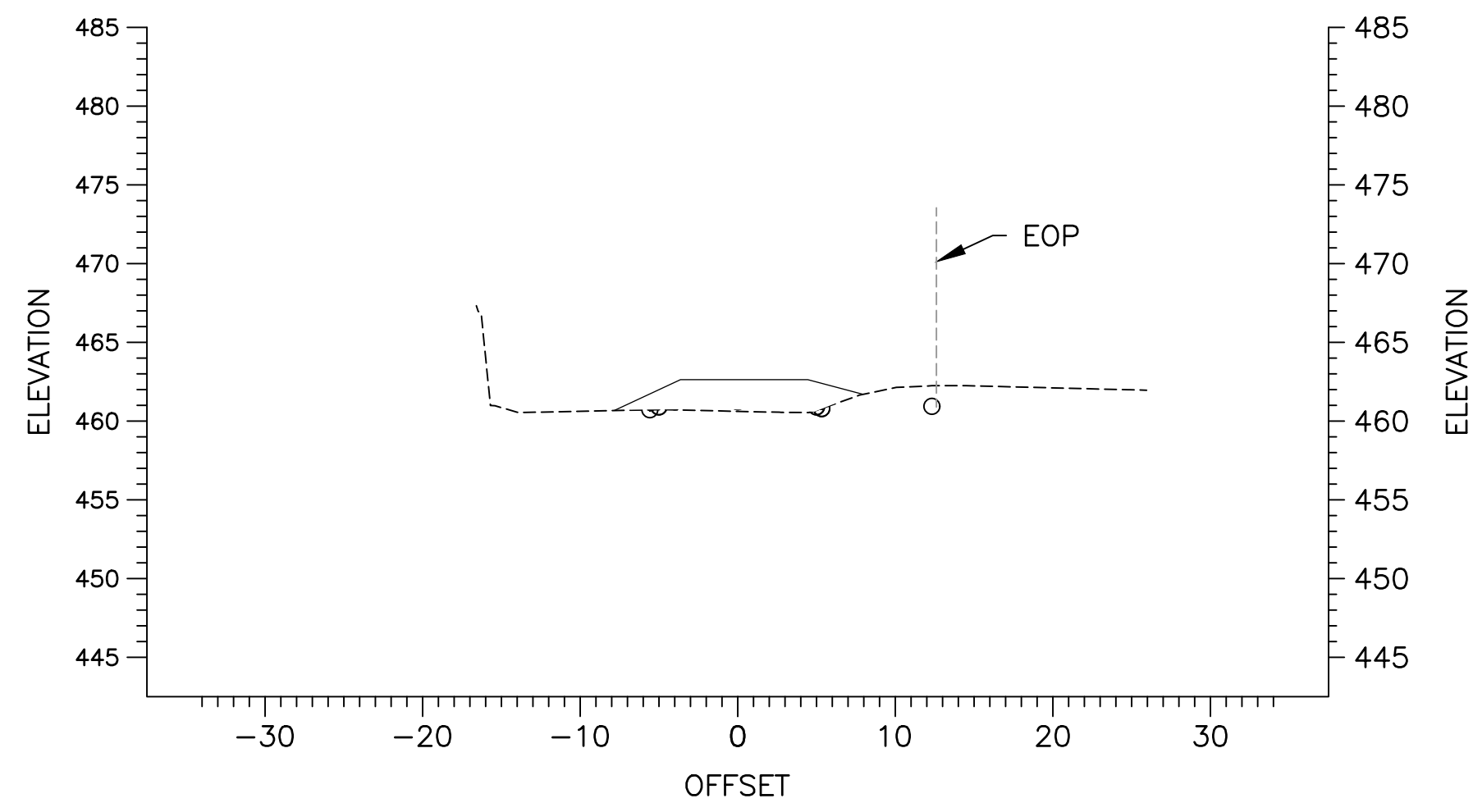
 DATE _____

V+M STRUCTURAL DESIGN

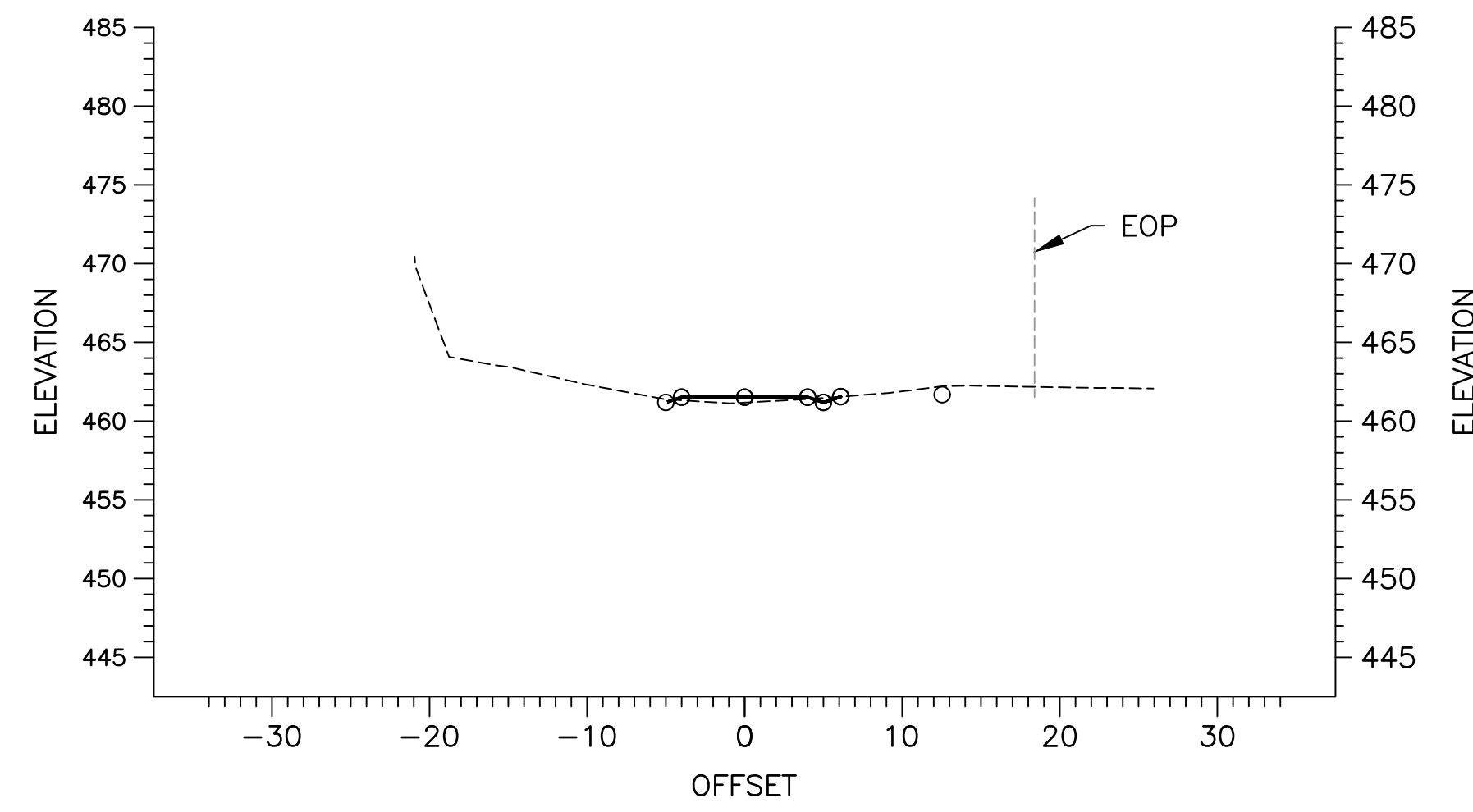
DESIGNED: CHELENE WONG DATE: 2023/04/14
 DRAWN: SCOTT VARNEY DATE: 2023/04/14
 CHECKED: SCHAUN VALDOVINOS DATE: 2023/04/14

KLICKITAT STATE PARK TRAIL
 ALTERNATIVES EVALUATION
 SECTIONS

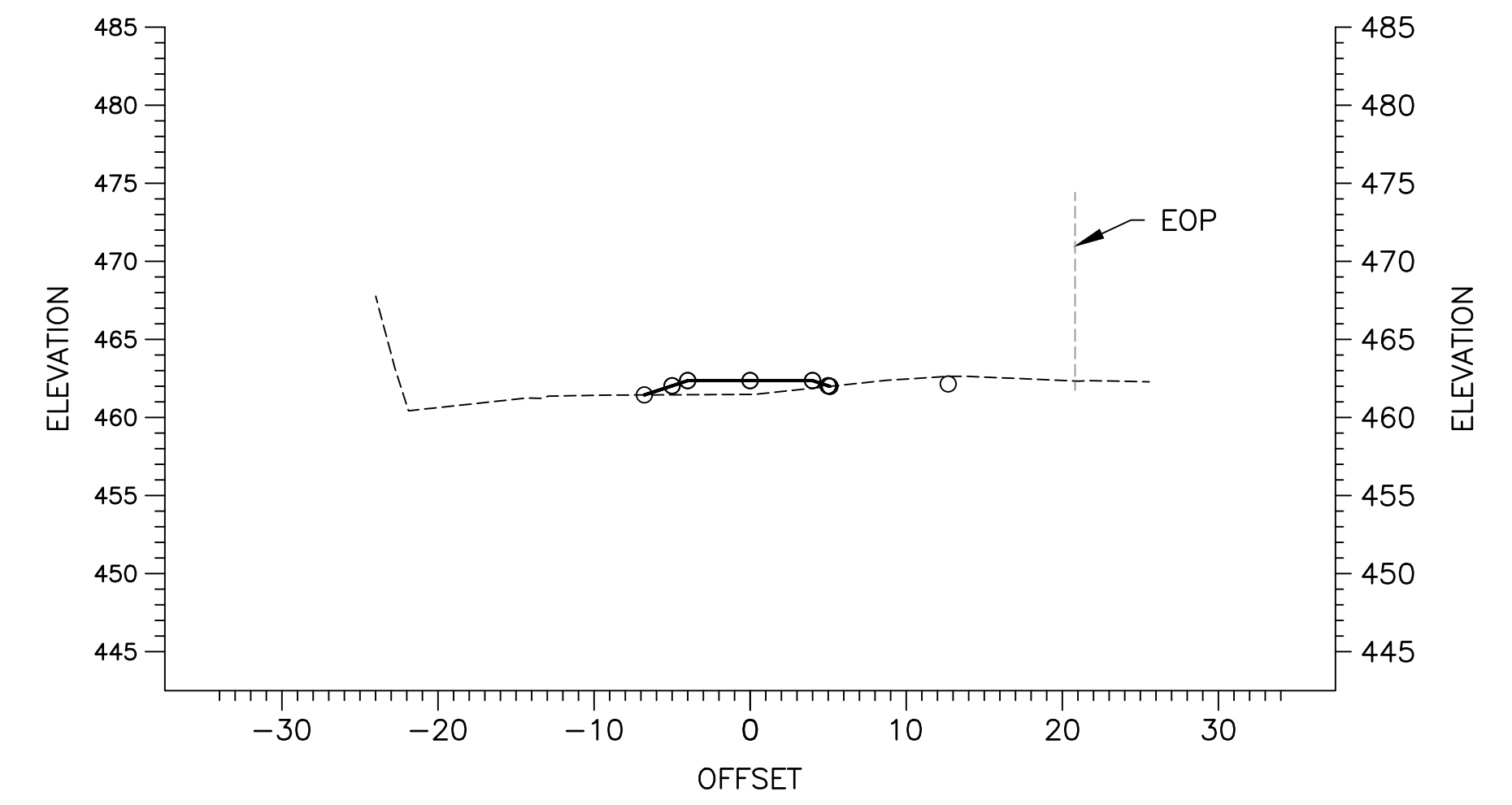
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FILENAME: 1236_AREA MOD.L	
PROJECT No: 1236	
SHEET: S-9	REV: A



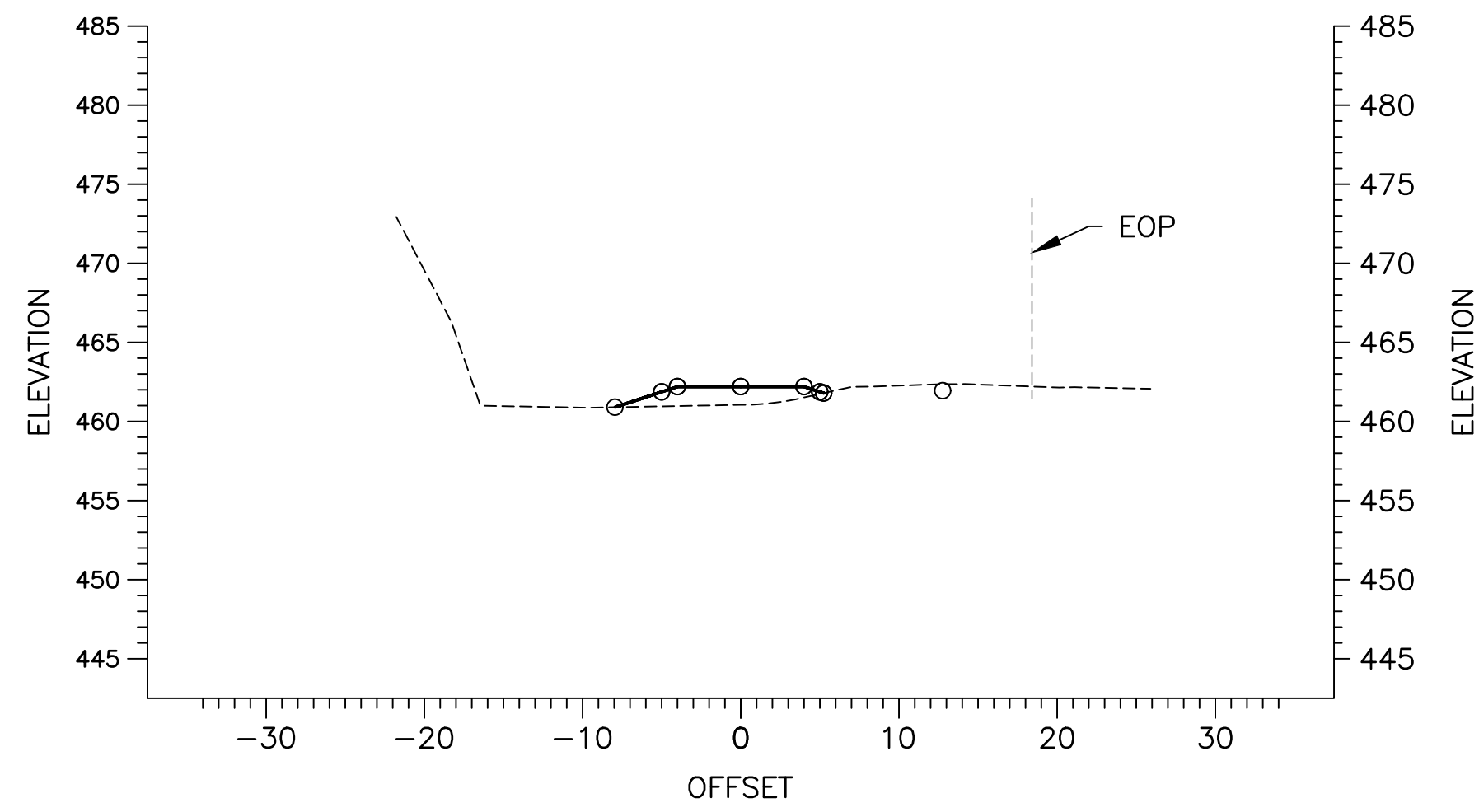
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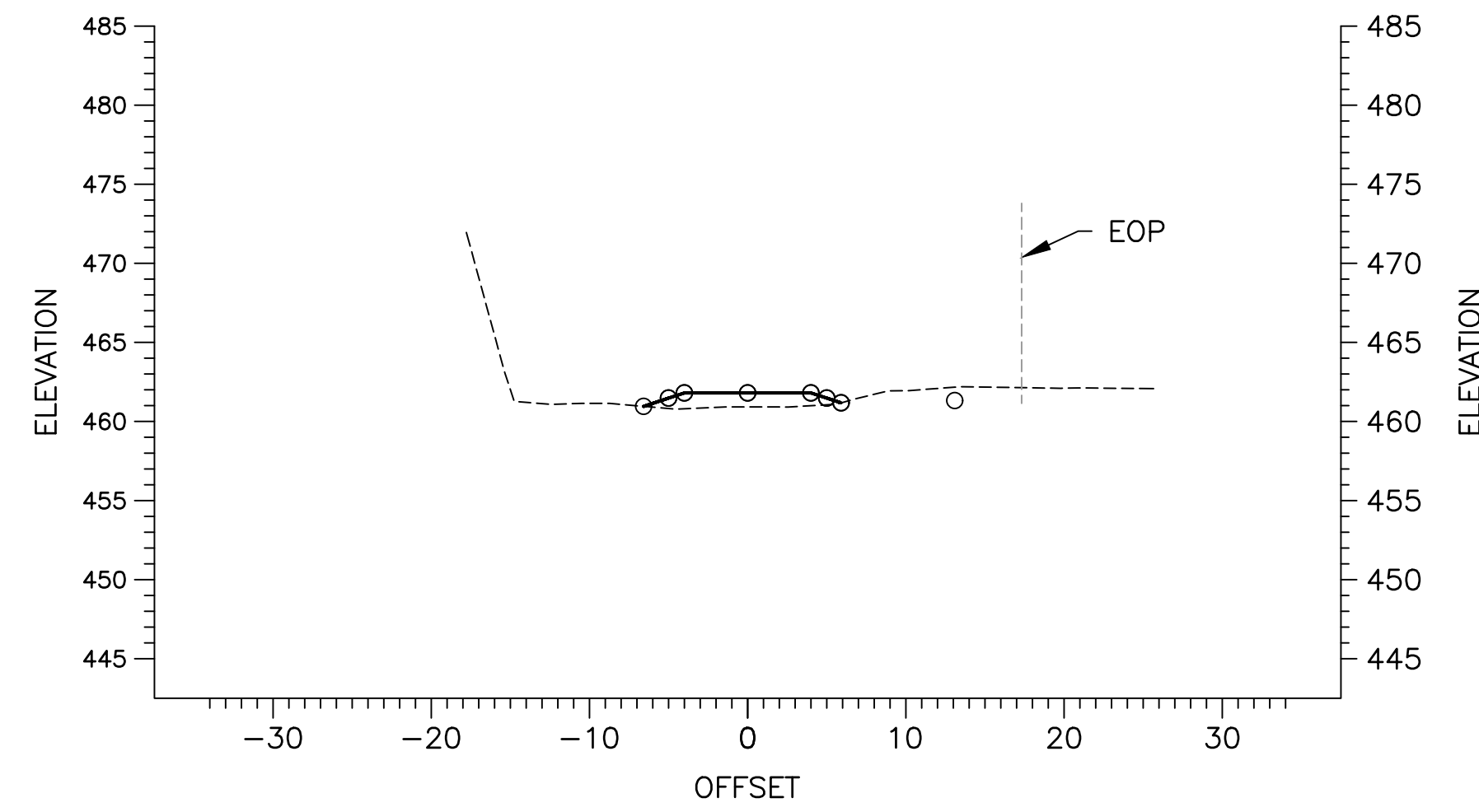
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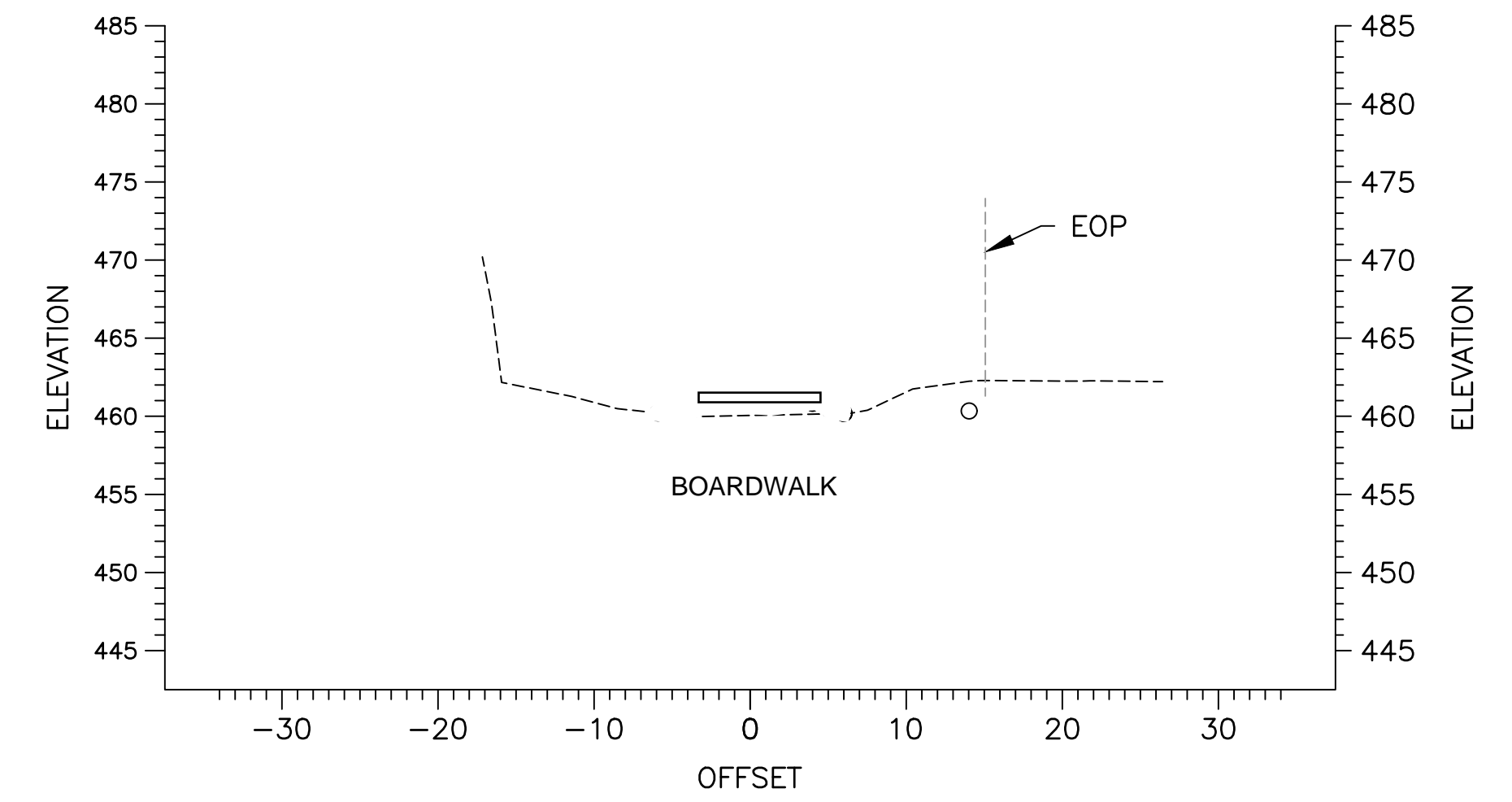
19+00.000



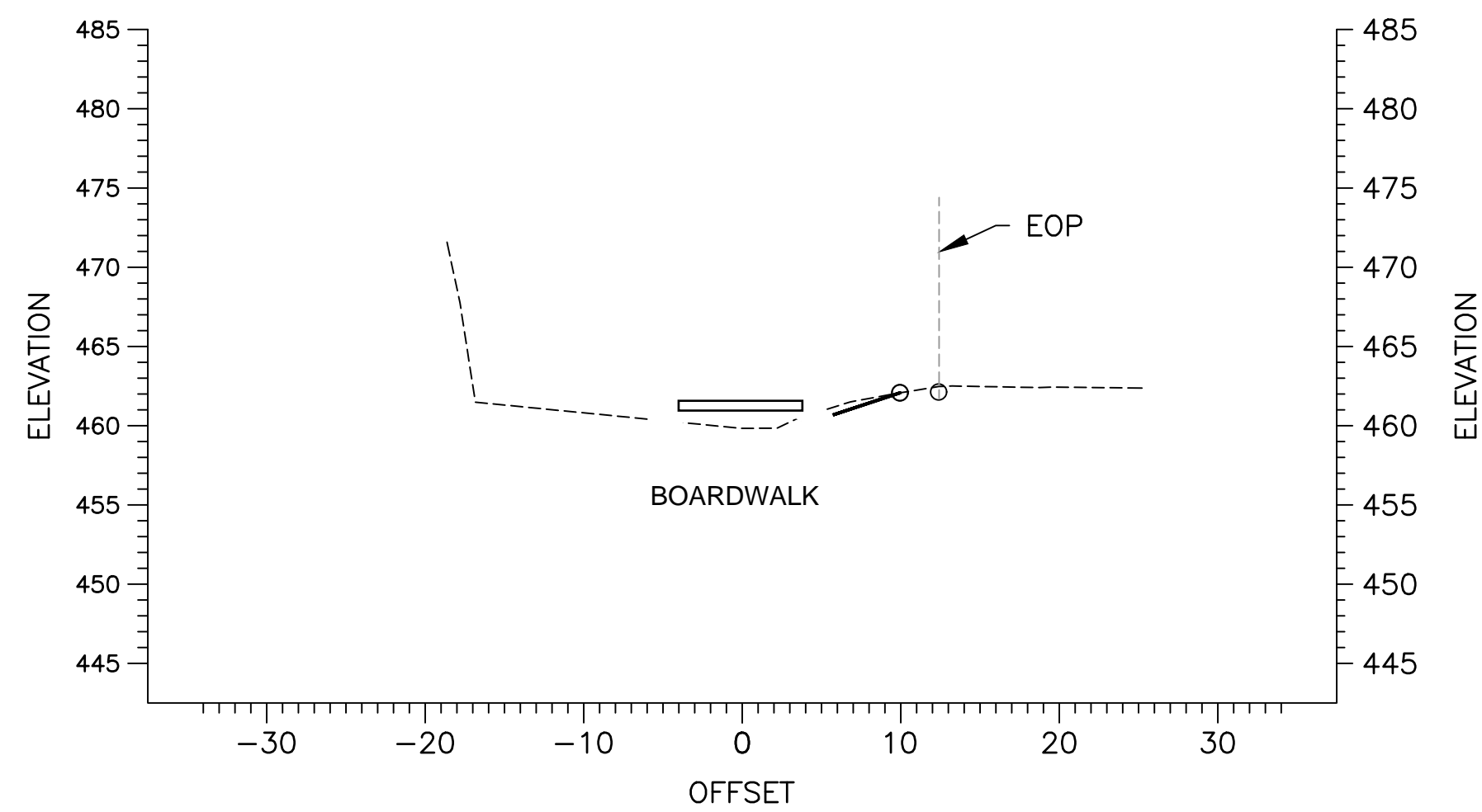
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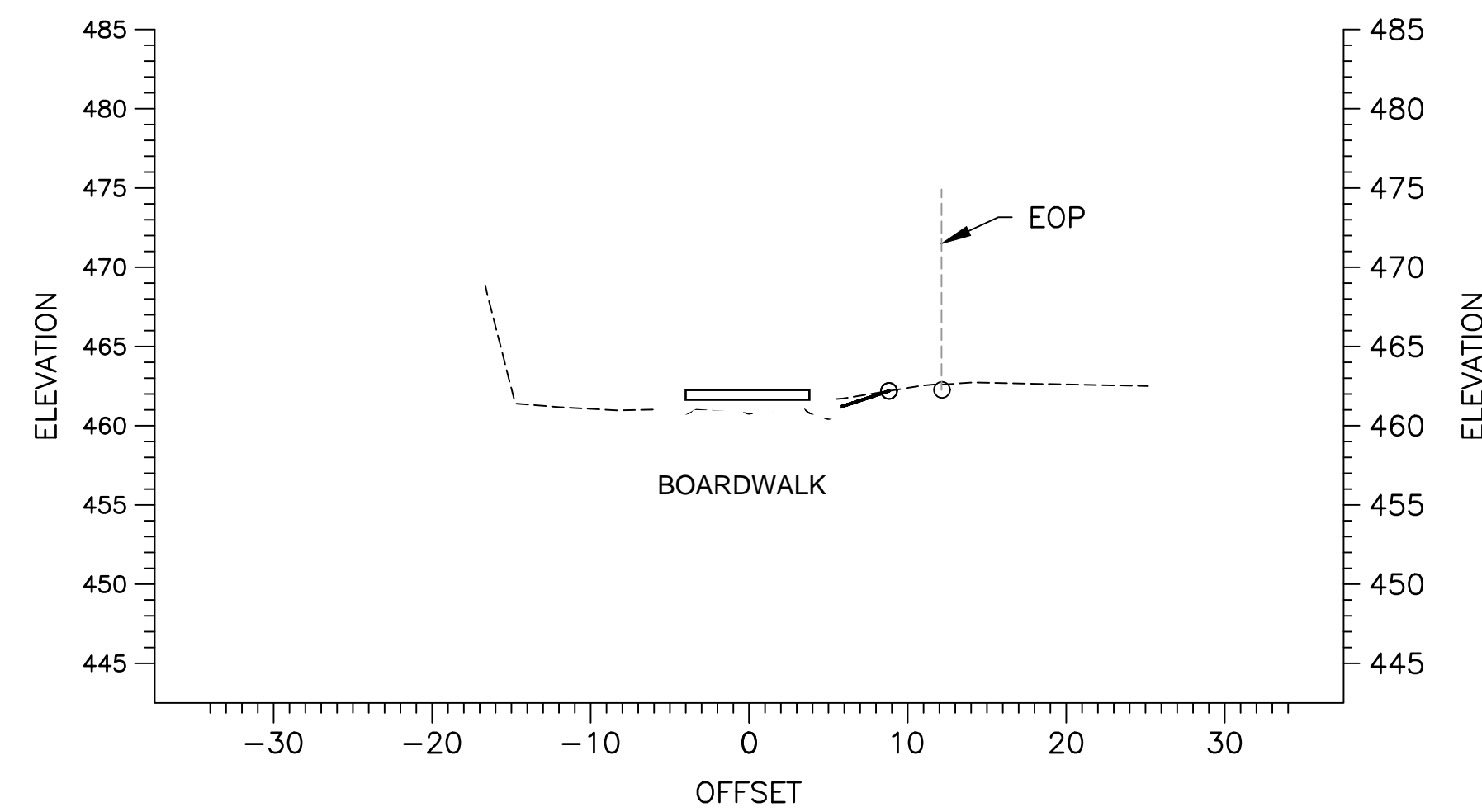
21+00.000



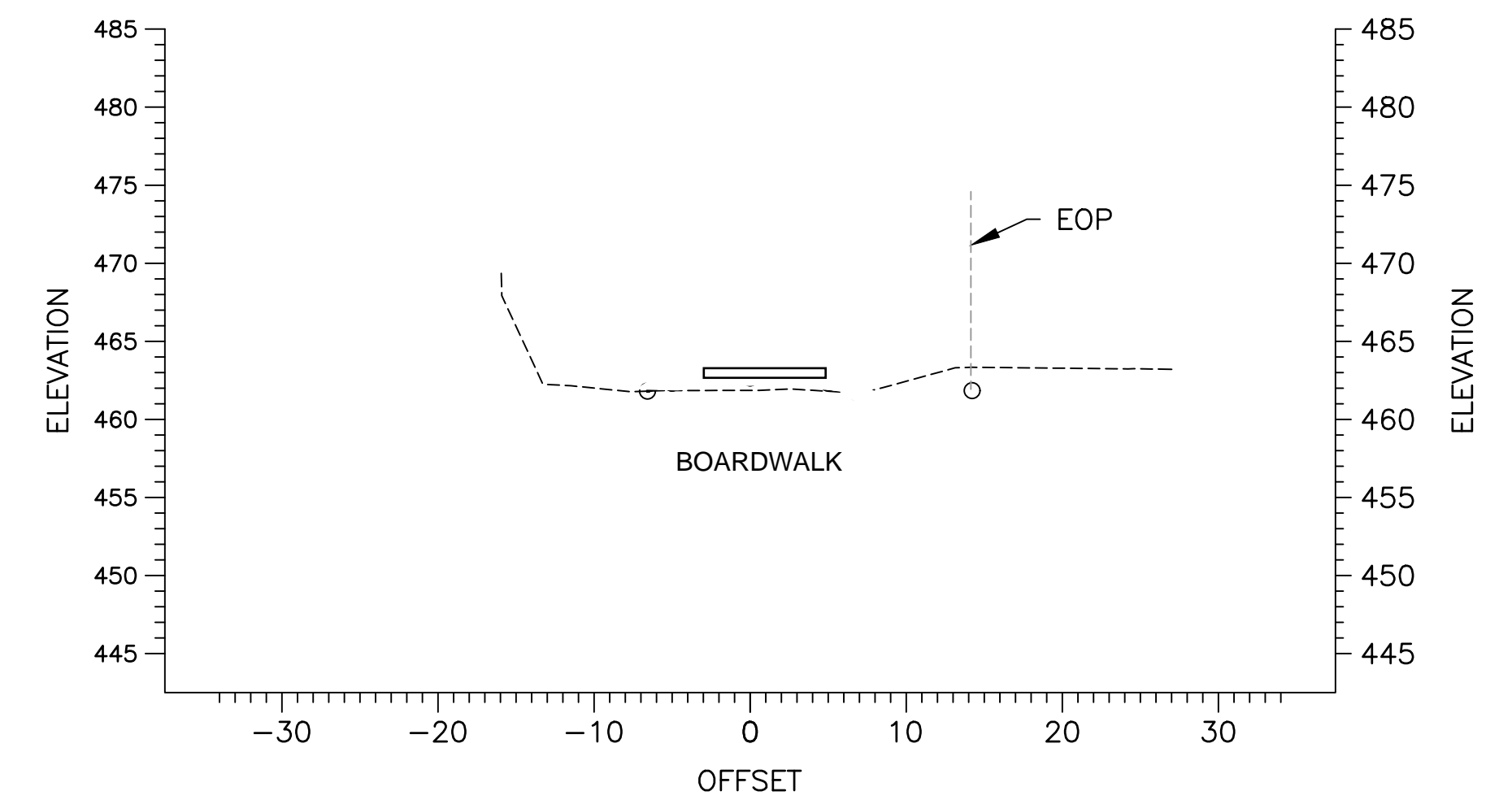
22+00.000



23+00.000



24+00.000



25+00.000

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. XXXX.

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A	2023/04/14	ISSUED FOR ALTERNATIVES ANALYSIS	SV

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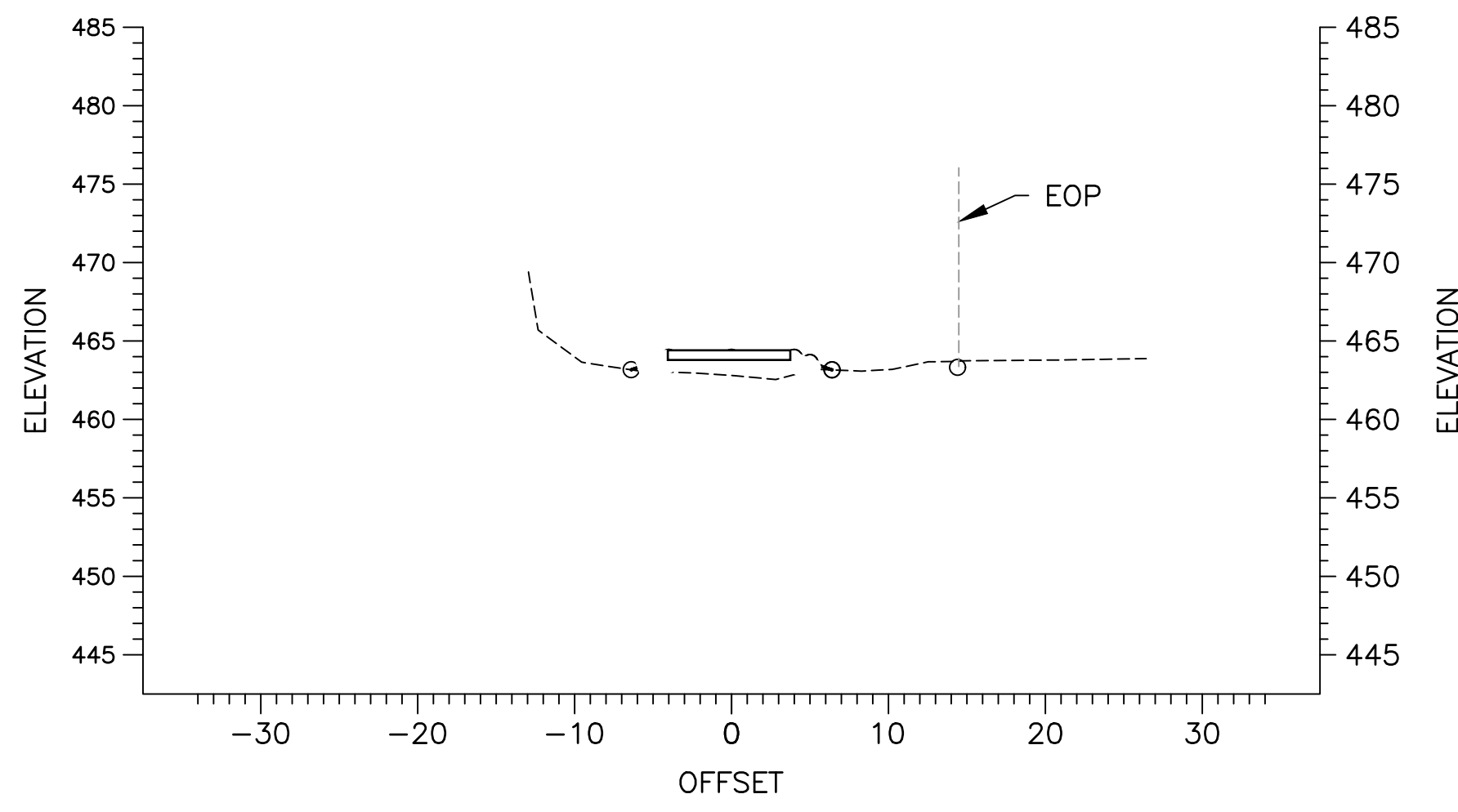
 DATE _____

V+M STRUCTURAL DESIGN

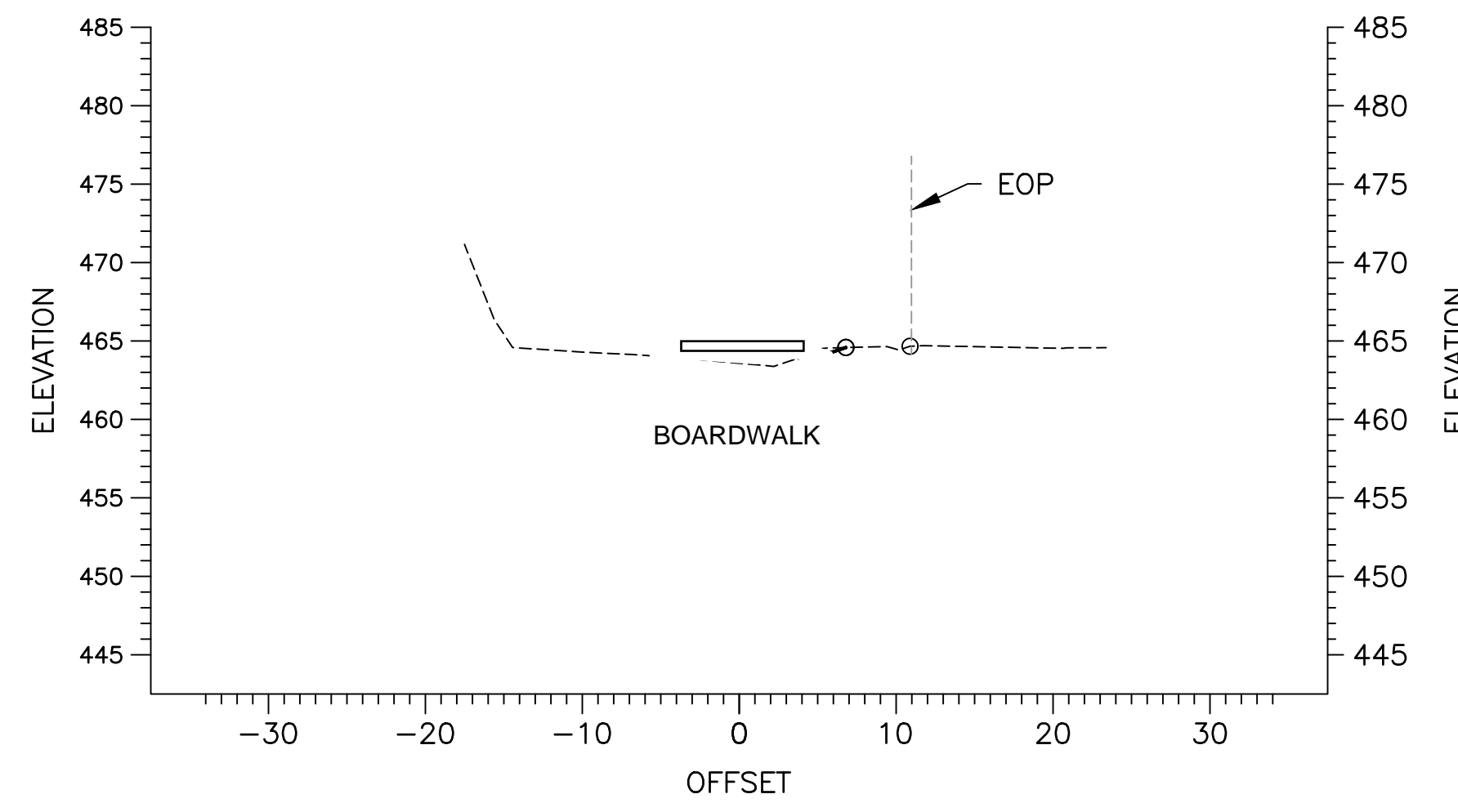
DESIGNED: CHELENE WONG DATE: 2023/04/14
 DRAWN: SCOTT VARNEY DATE: 2023/04/14
 CHECKED: SCHAUN VALDOVINOS DATE: 2023/04/14

KLICKITAT STATE PARK TRAIL
 ALTERNATIVES EVALUATION
 SECTIONS

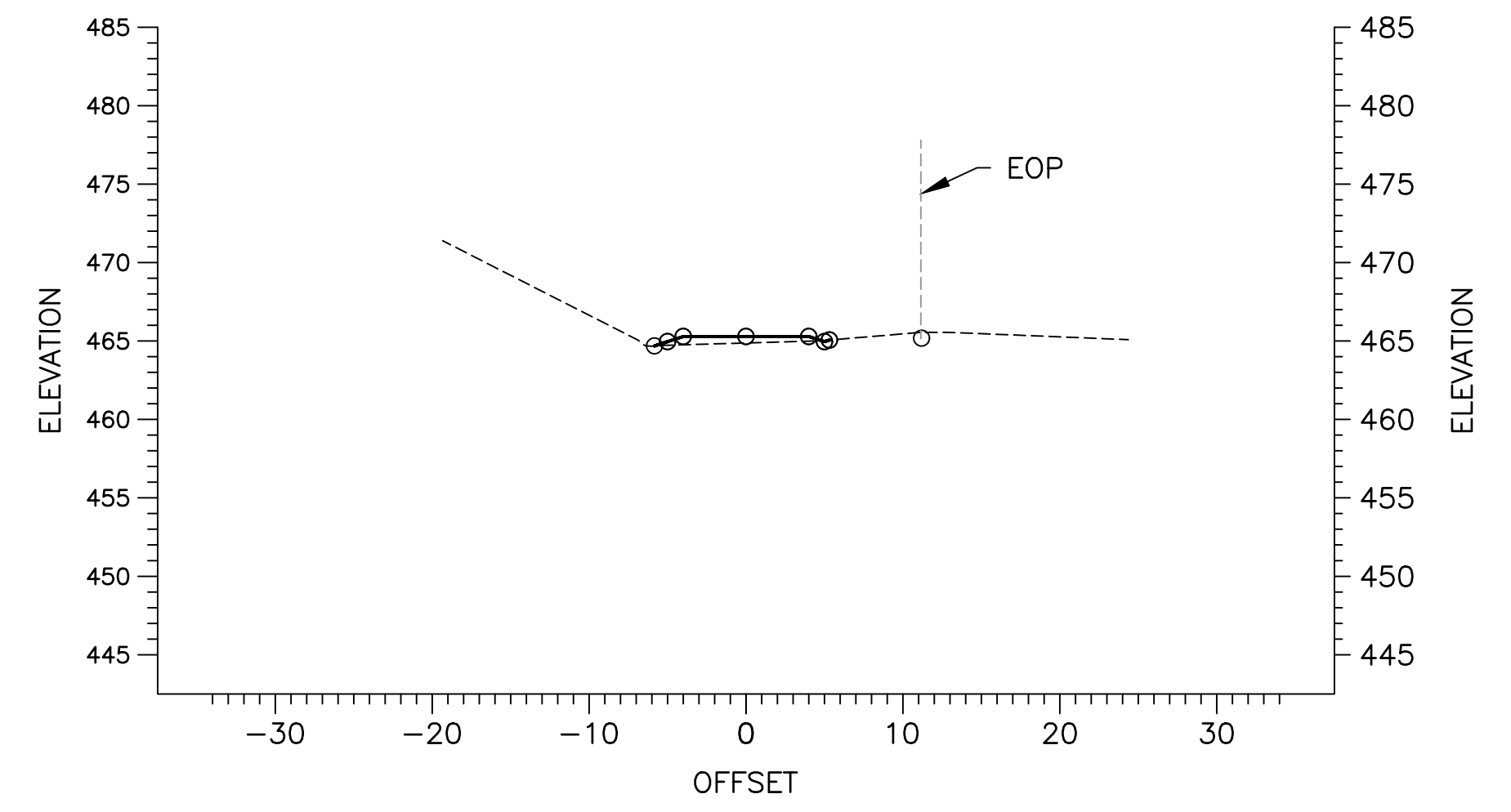
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PROJECT No: 1236	
SHEET: S-10	REV: A



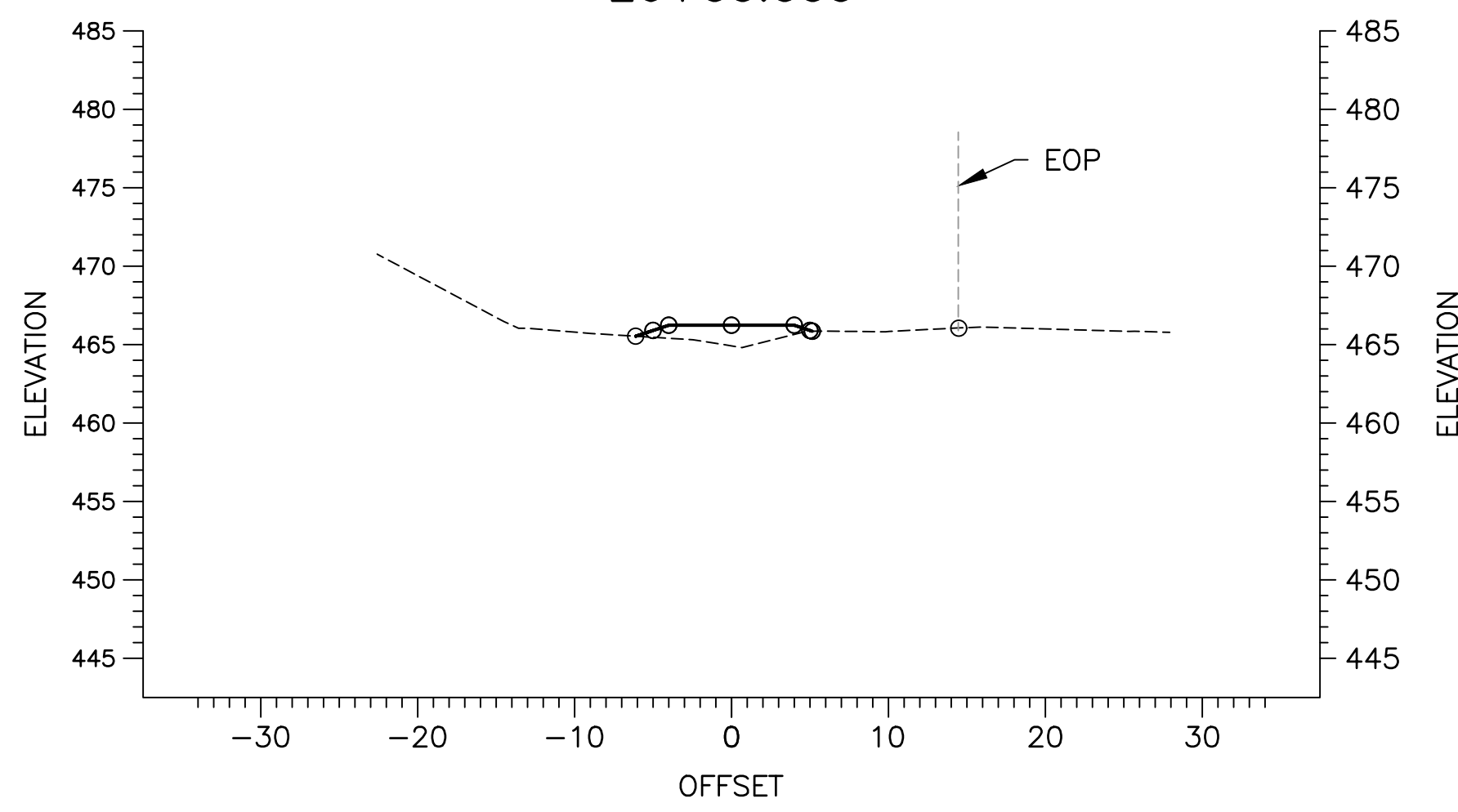
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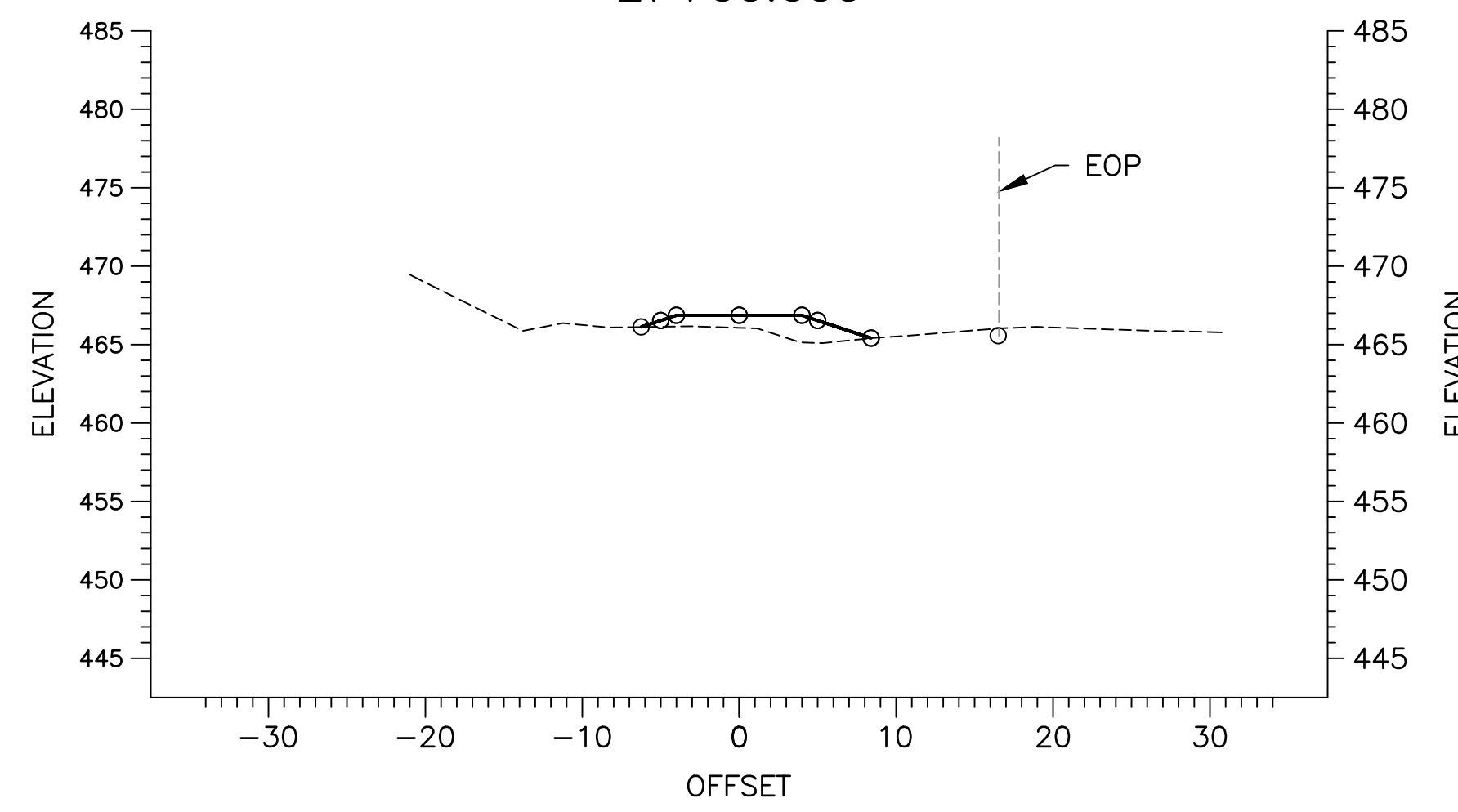
27+00.000



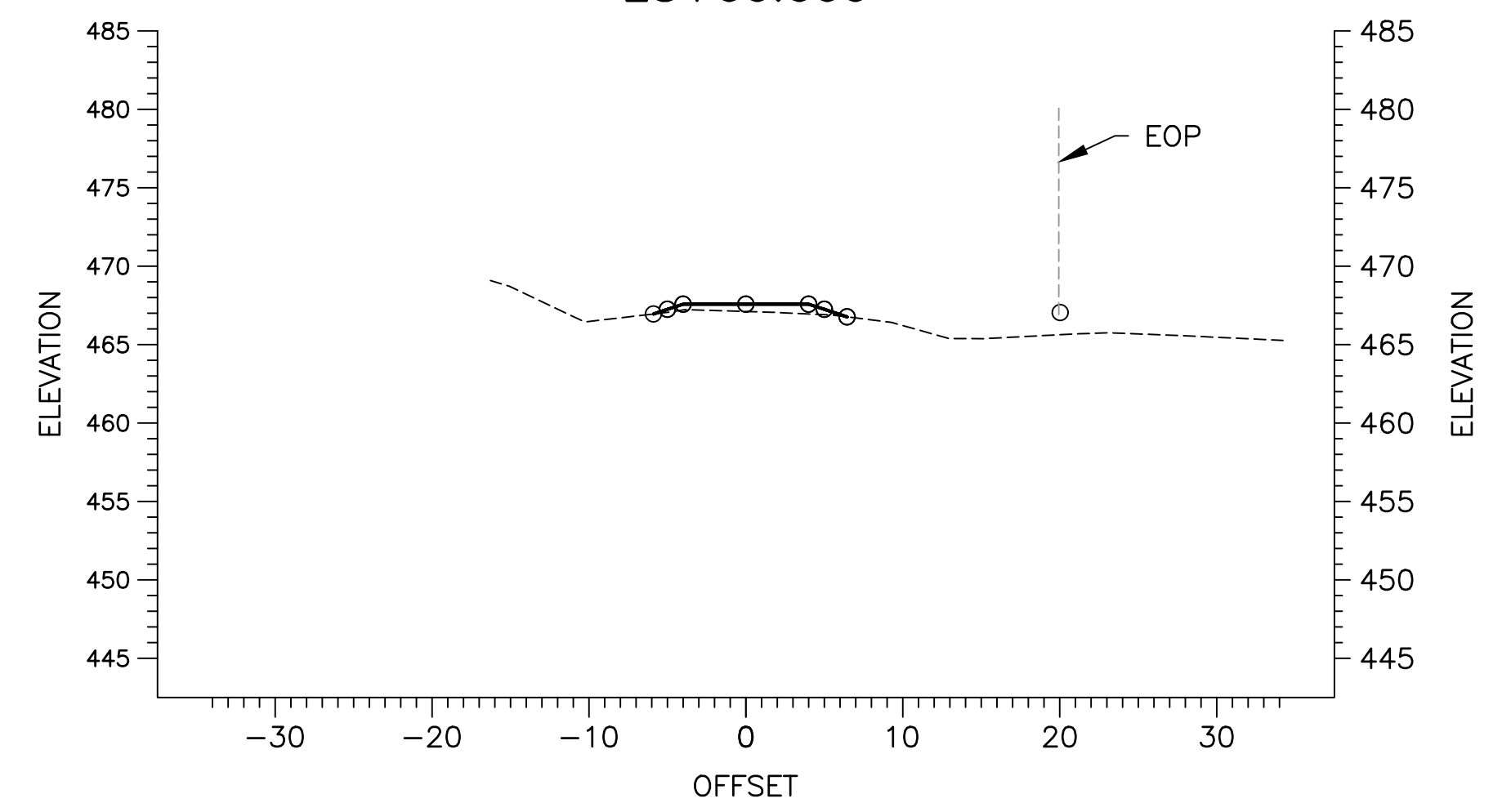
28+00.000



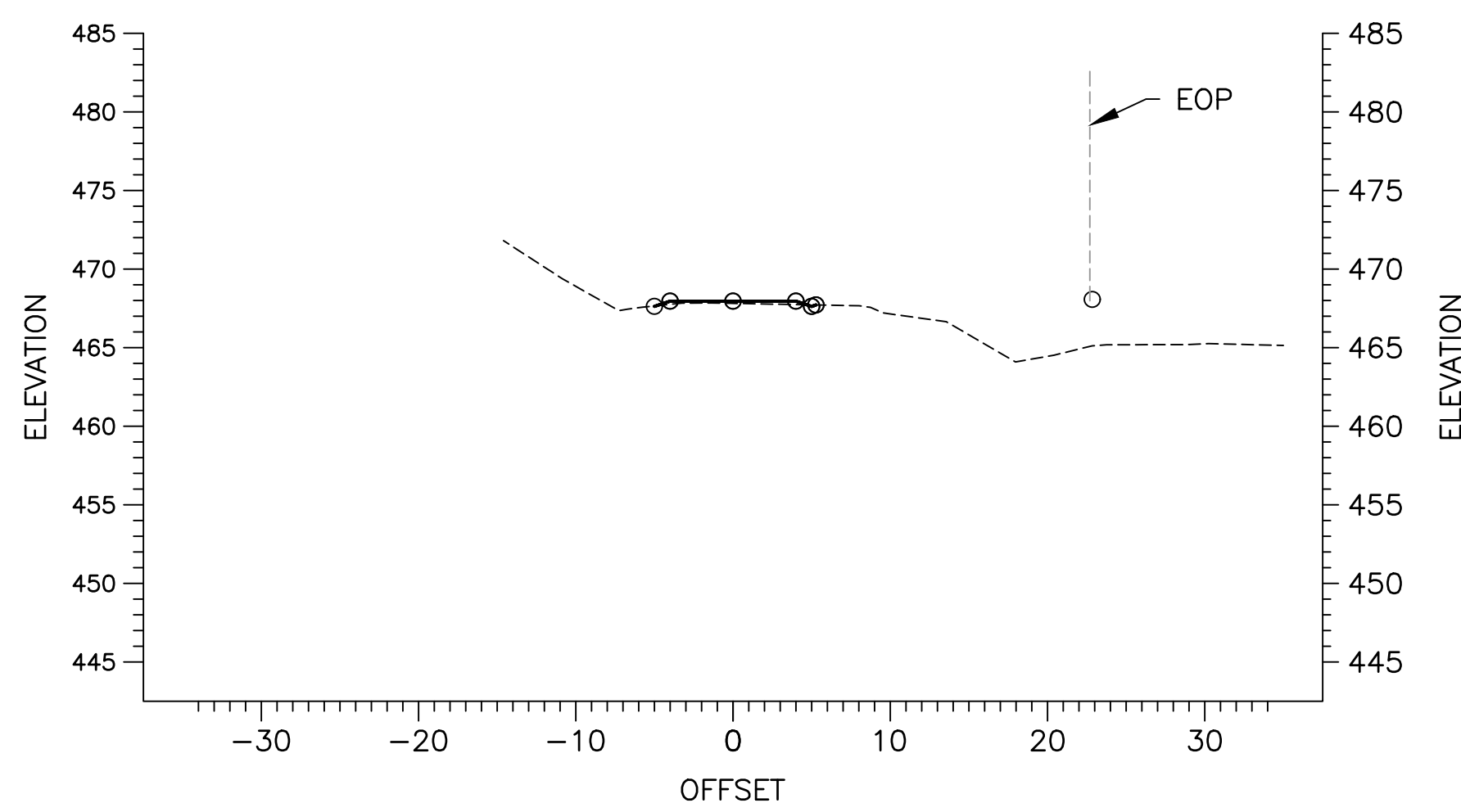
29+00.000



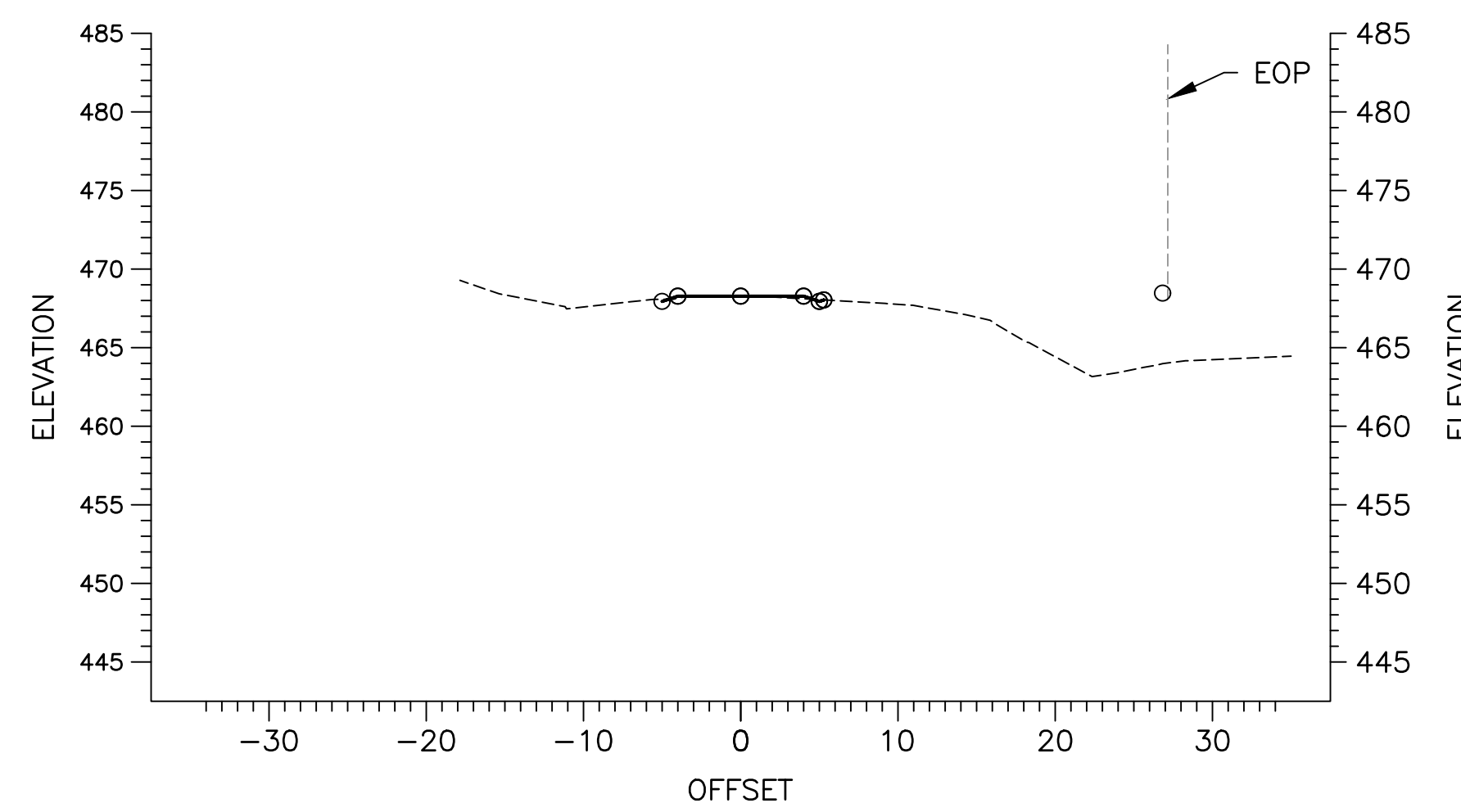
30+00.000



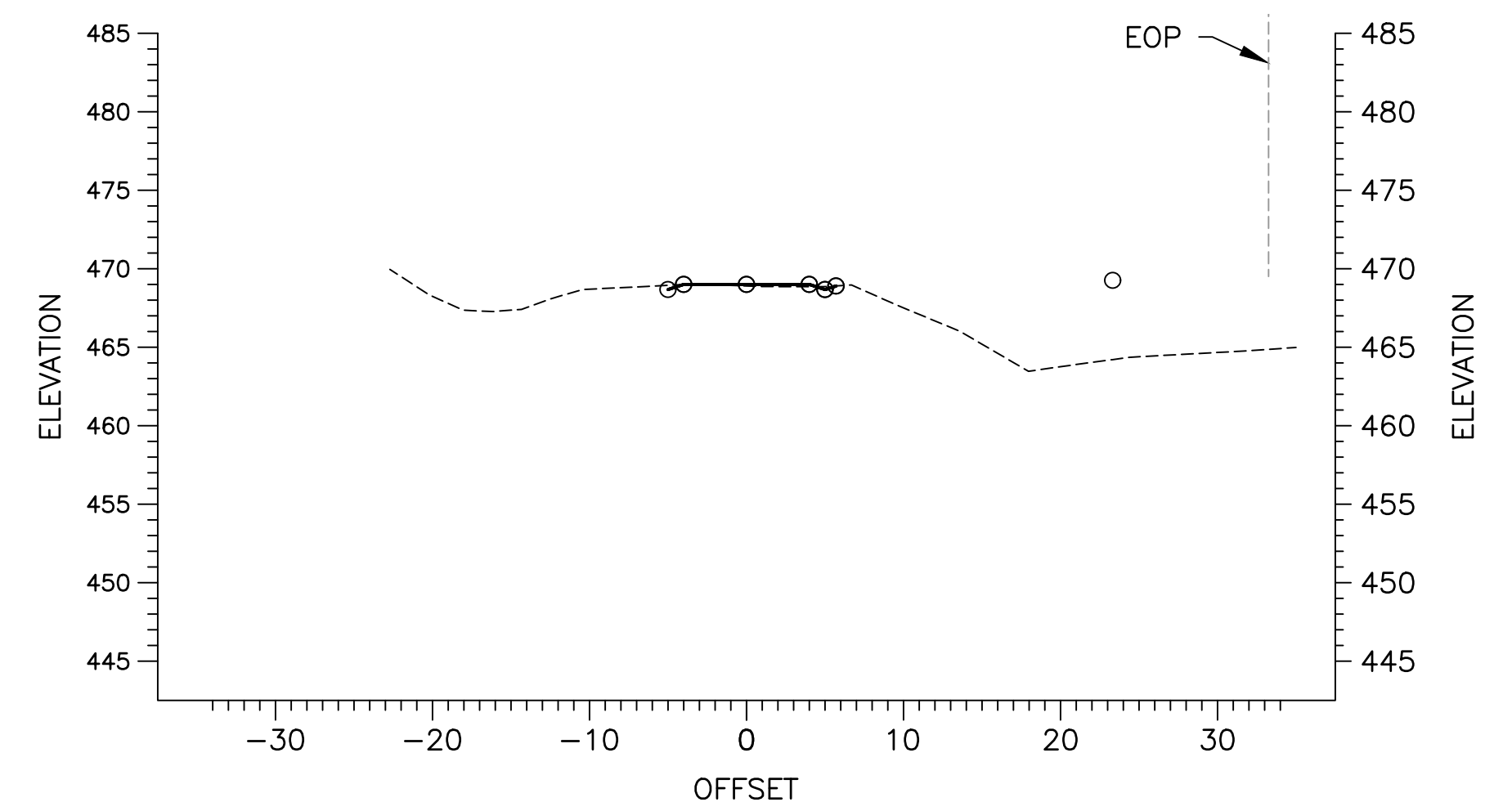
31+00.000



32+00.000



33+00.000



34+00.000

NOTES:

- 1. FOR GENERAL STRUCTURAL NOTES SEE DWG. XXXX.

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A	2023/04/14	ISSUED FOR ALTERNATIVES ANALYSIS	SV

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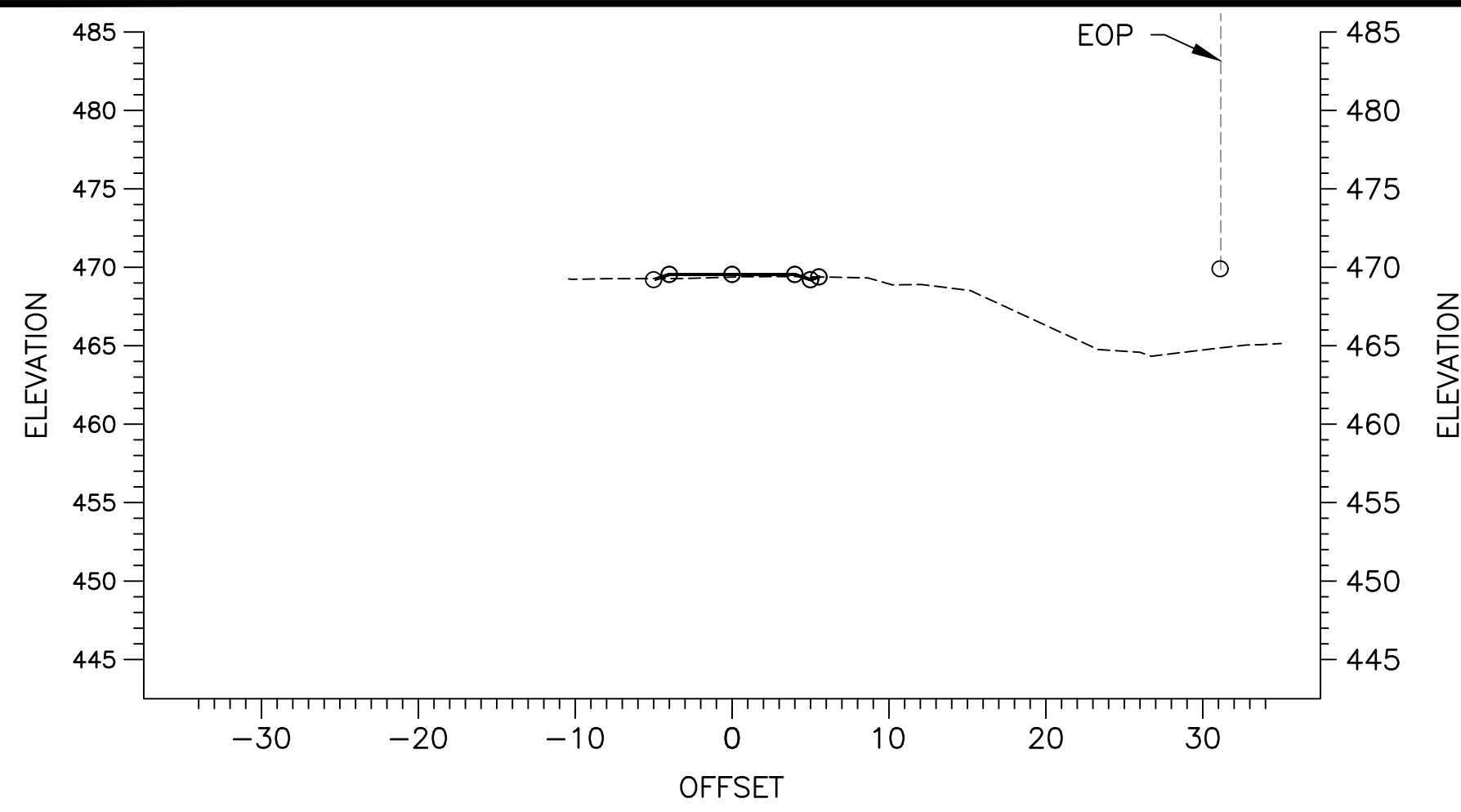
 DATE _____

V+M STRUCTURAL DESIGN

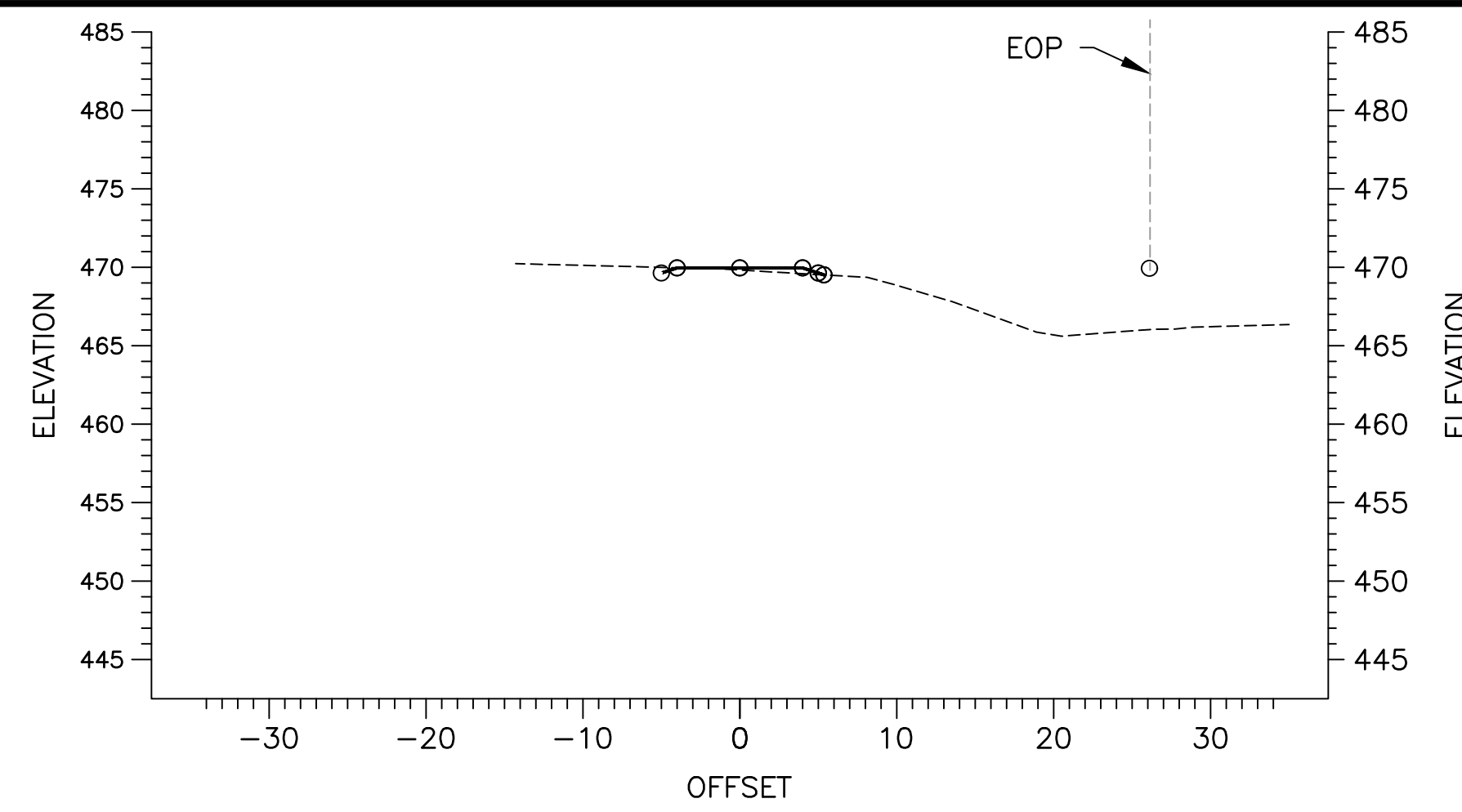
DESIGNED: CHELENE WONG DATE: 2023/04/14
 DRAWN: SCOTT VARNEY DATE: 2023/04/14
 CHECKED: SCHAUN VALDOVINOS DATE: 2023/04/14

CLICKITAT STATE PARK TRAIL
 ALTERNATIVES EVALUATION
 SECTIONS

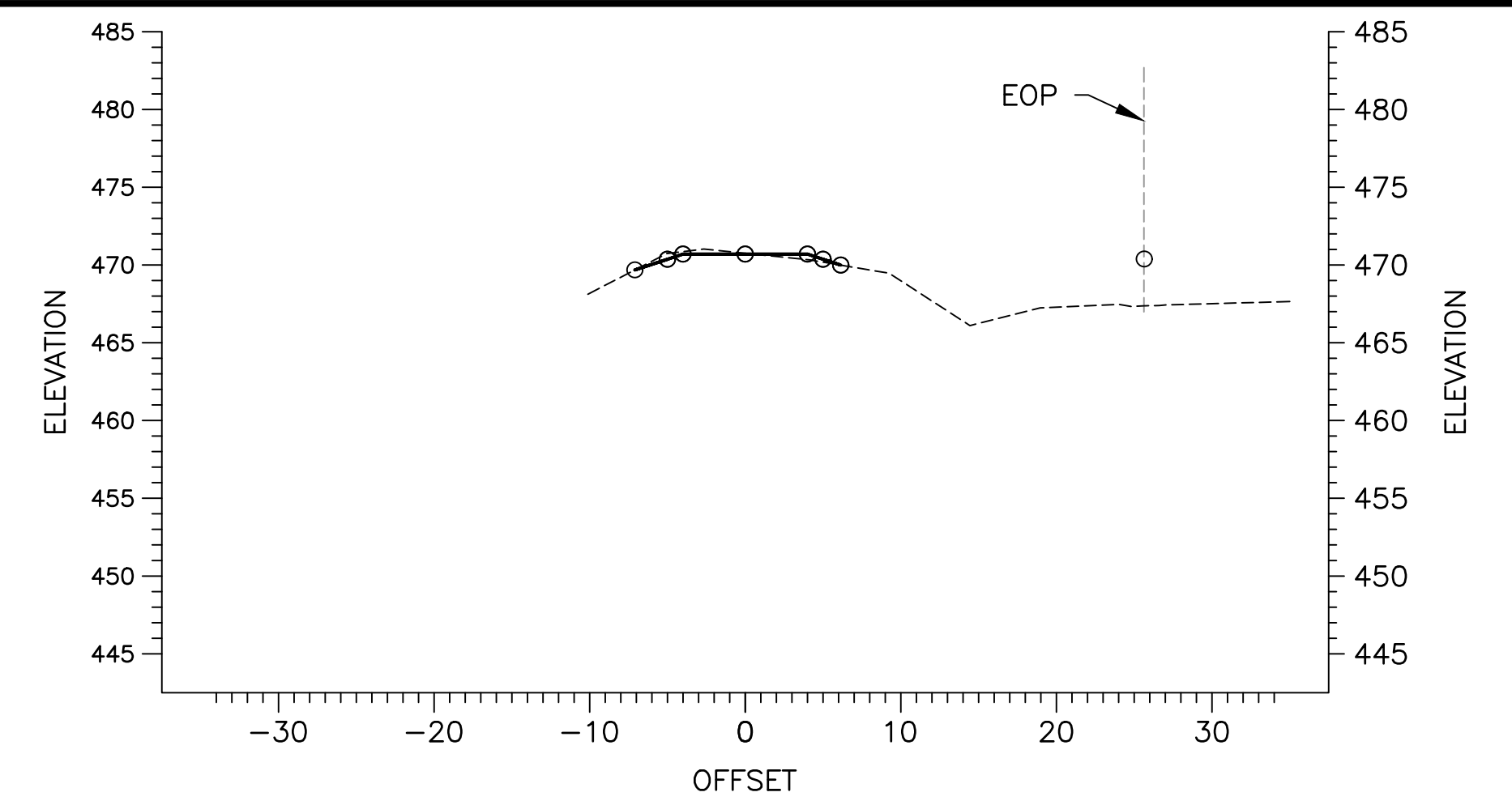
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FILENAME: 1236_AREA MOD.L	
PROJECT No: 1236	
SHEET: S-11	REV: A



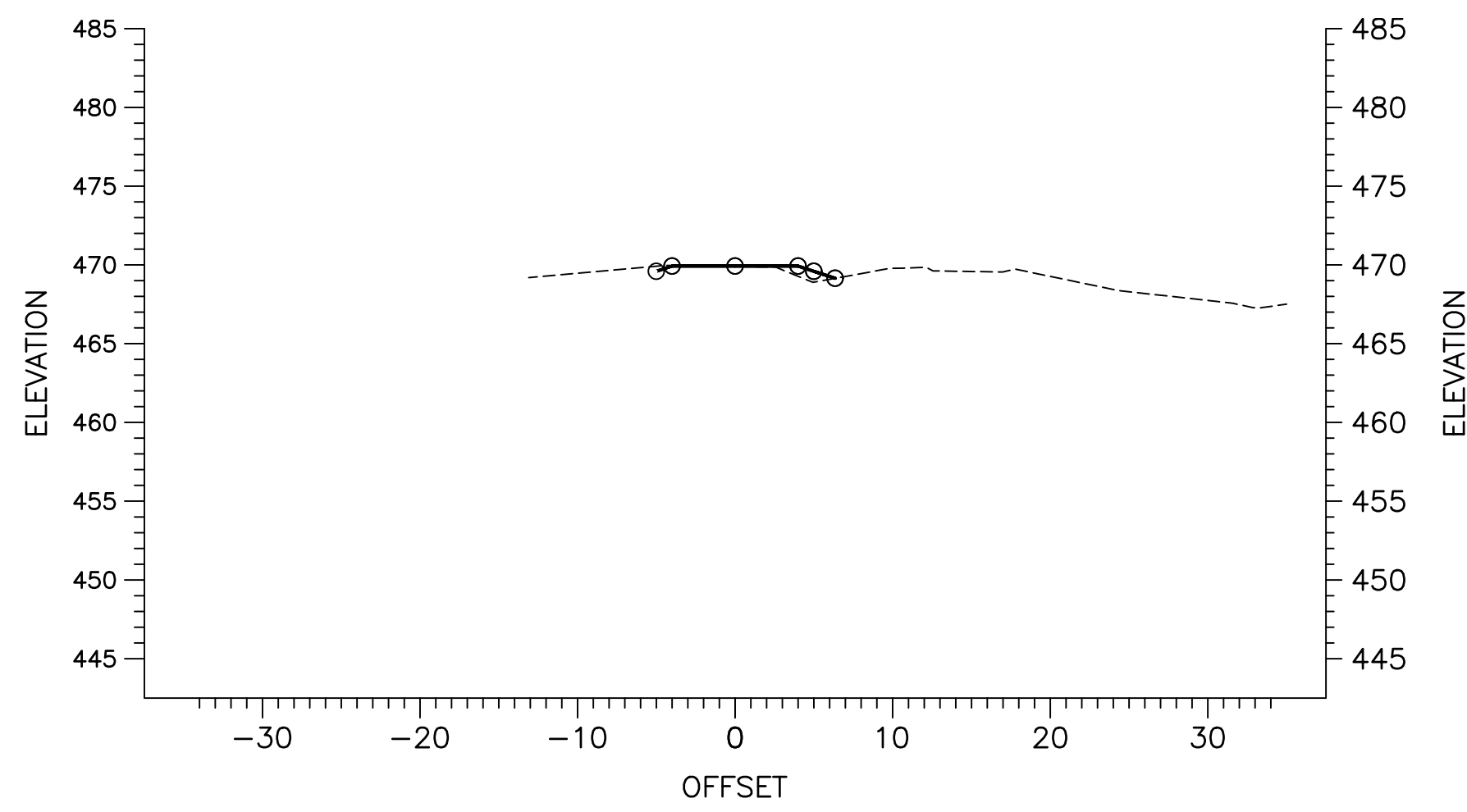
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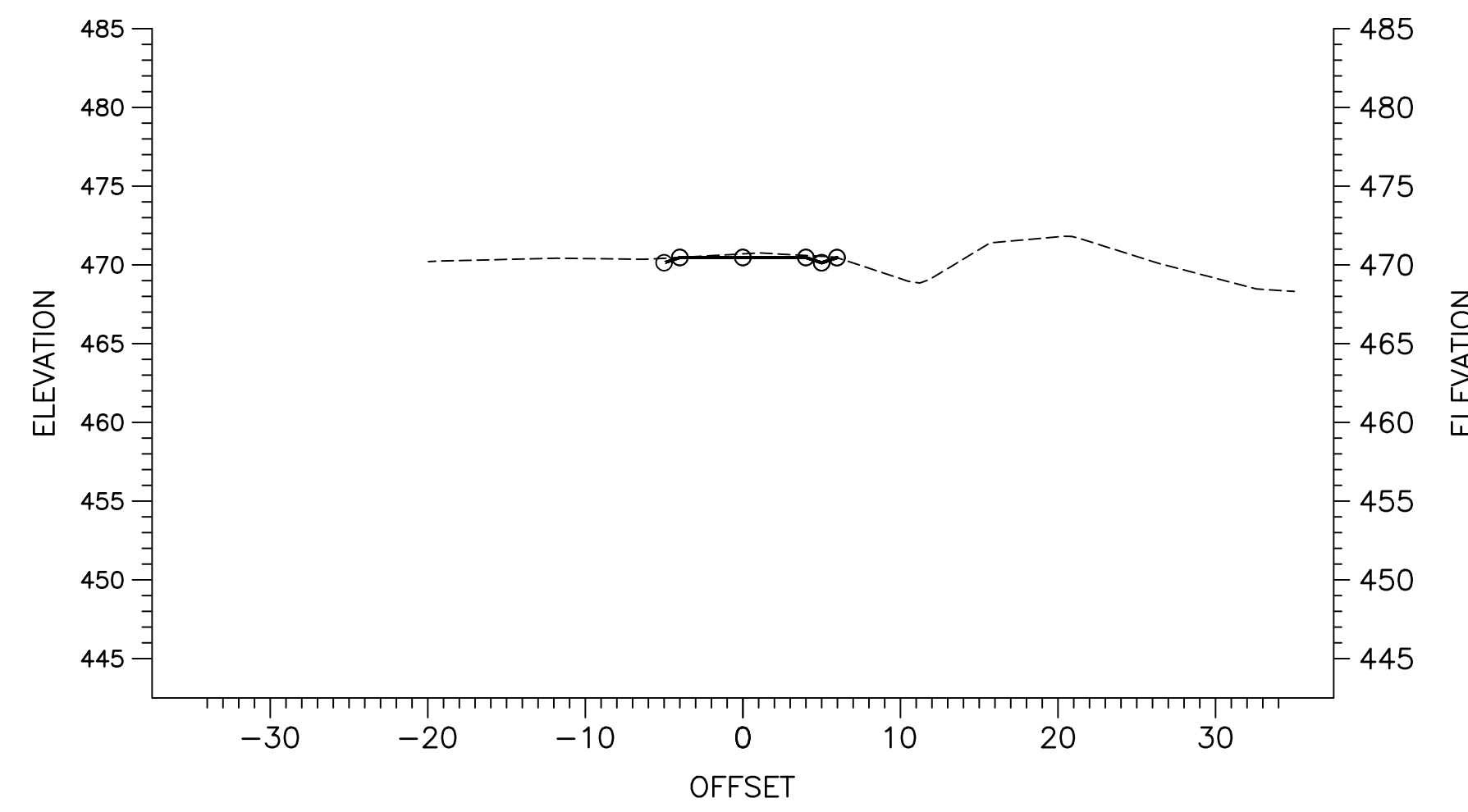
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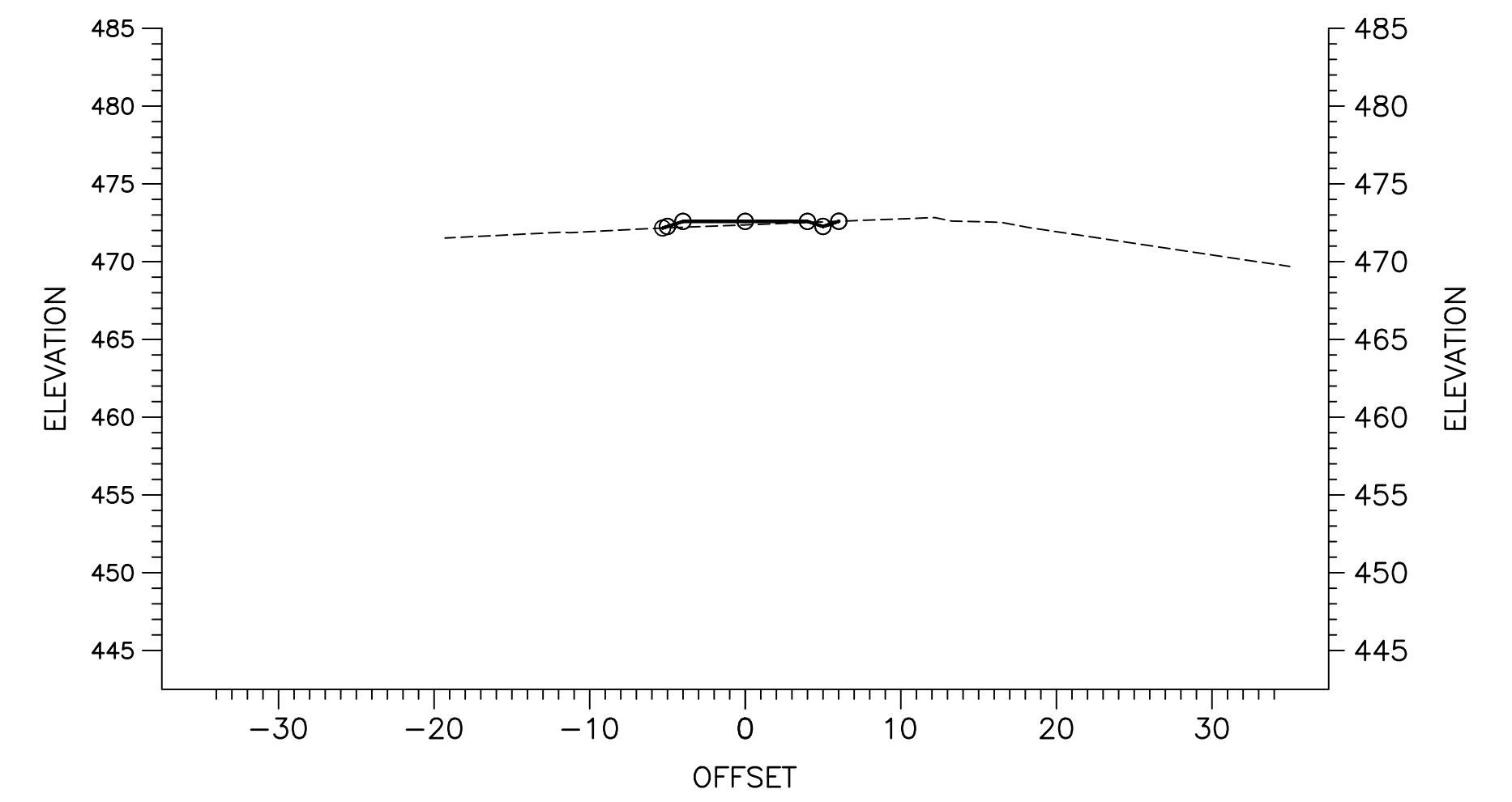
37+00.000



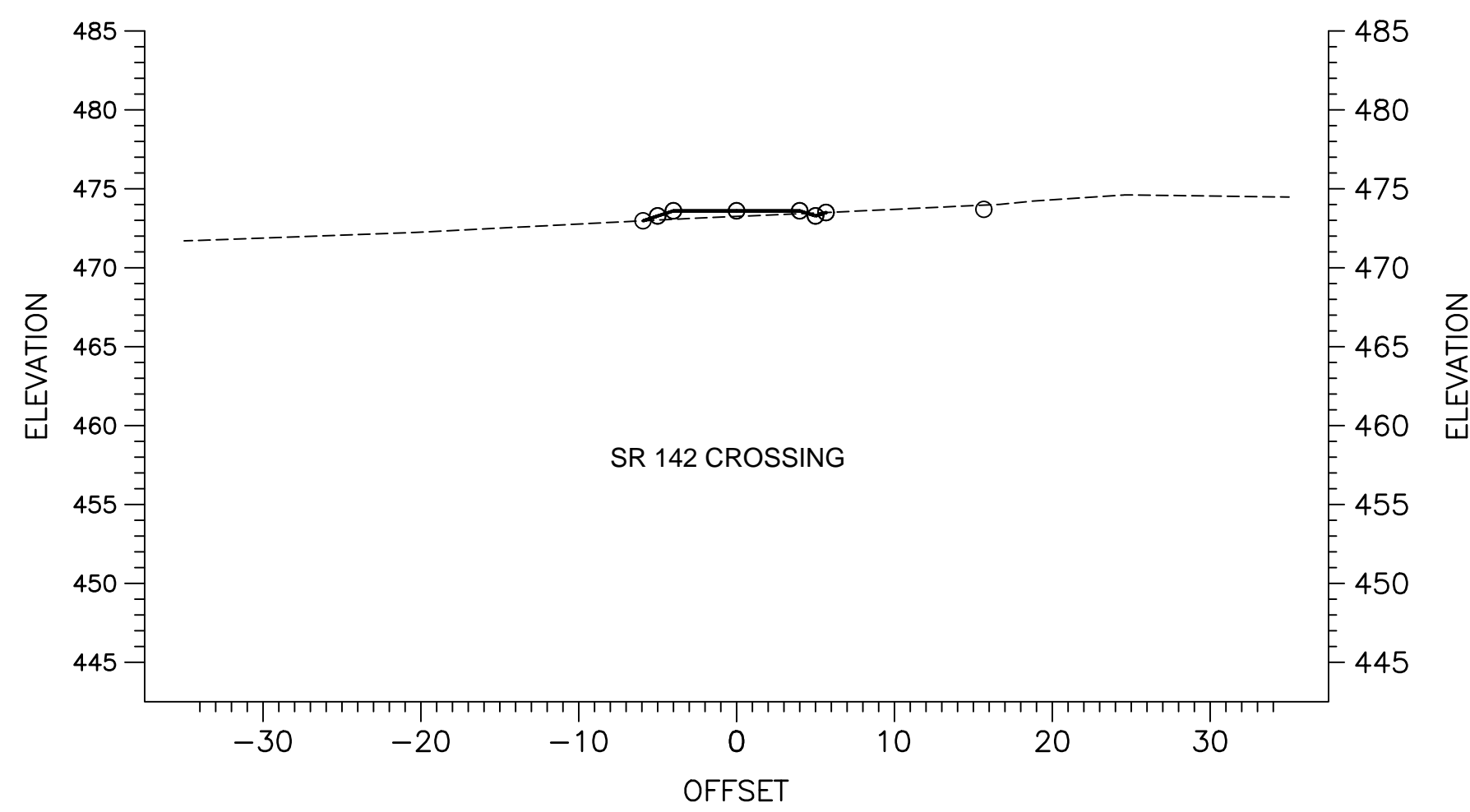
38+00.000



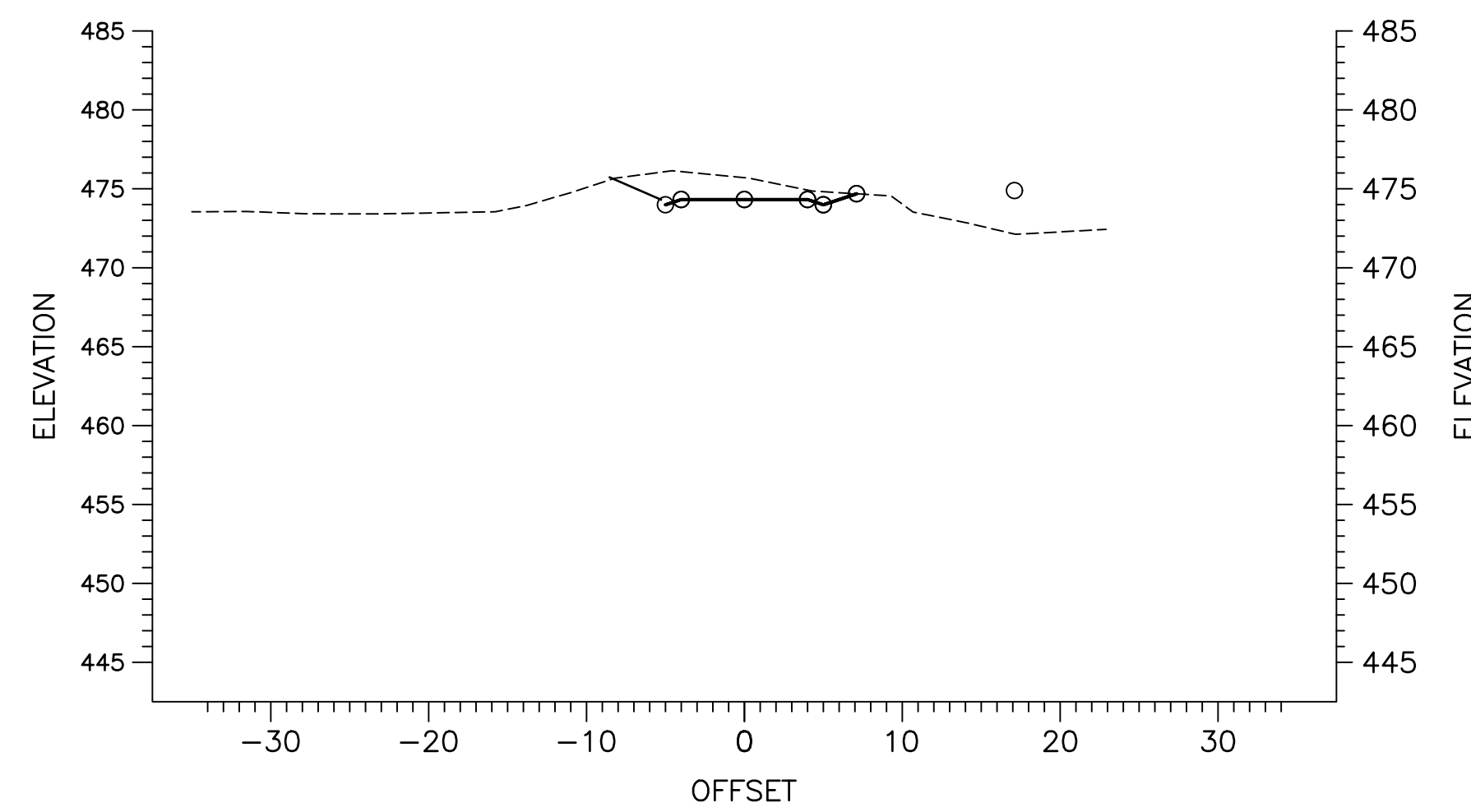
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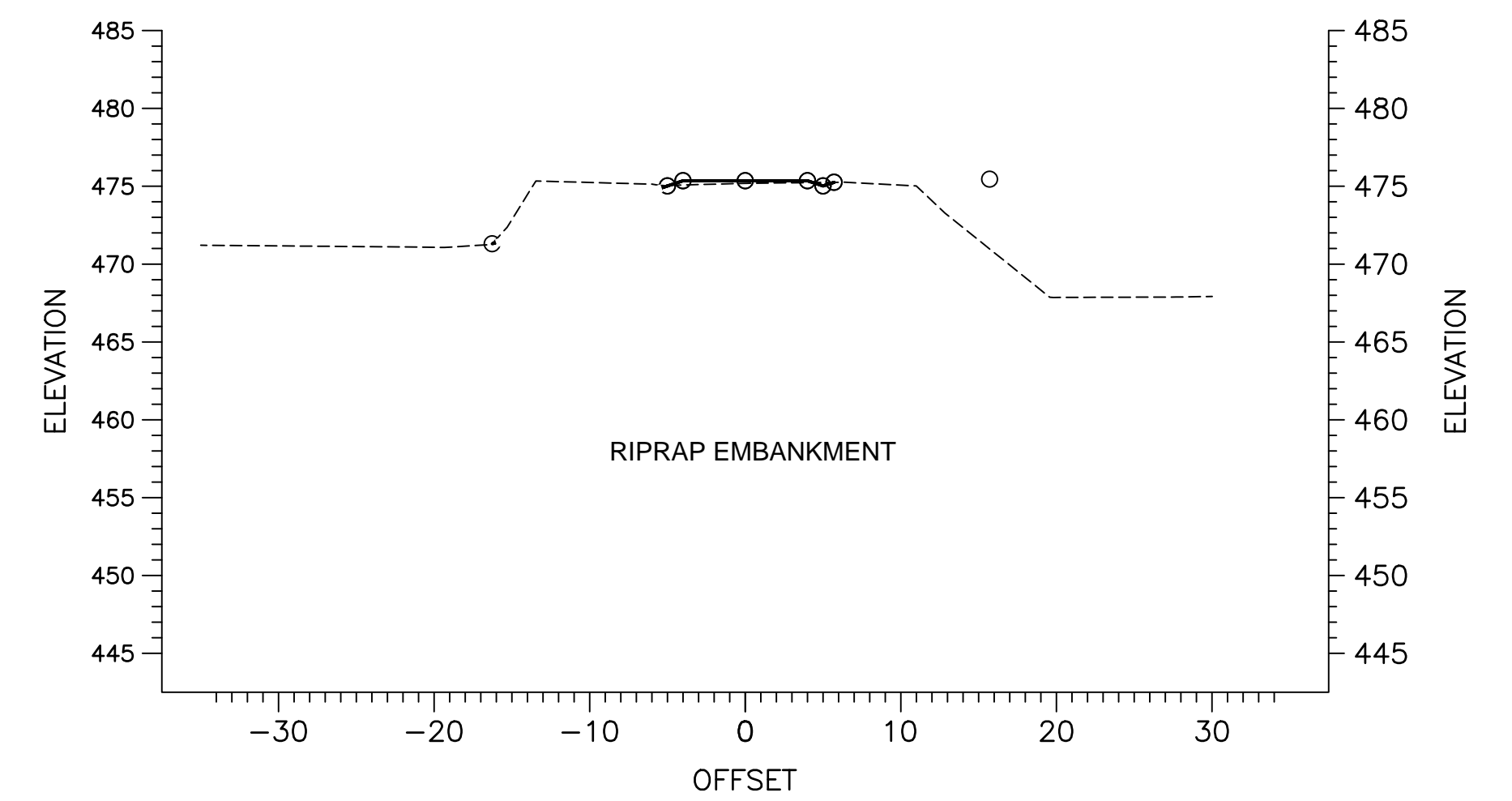
40+00.000



41+00.000



42+00.000



42+50.000

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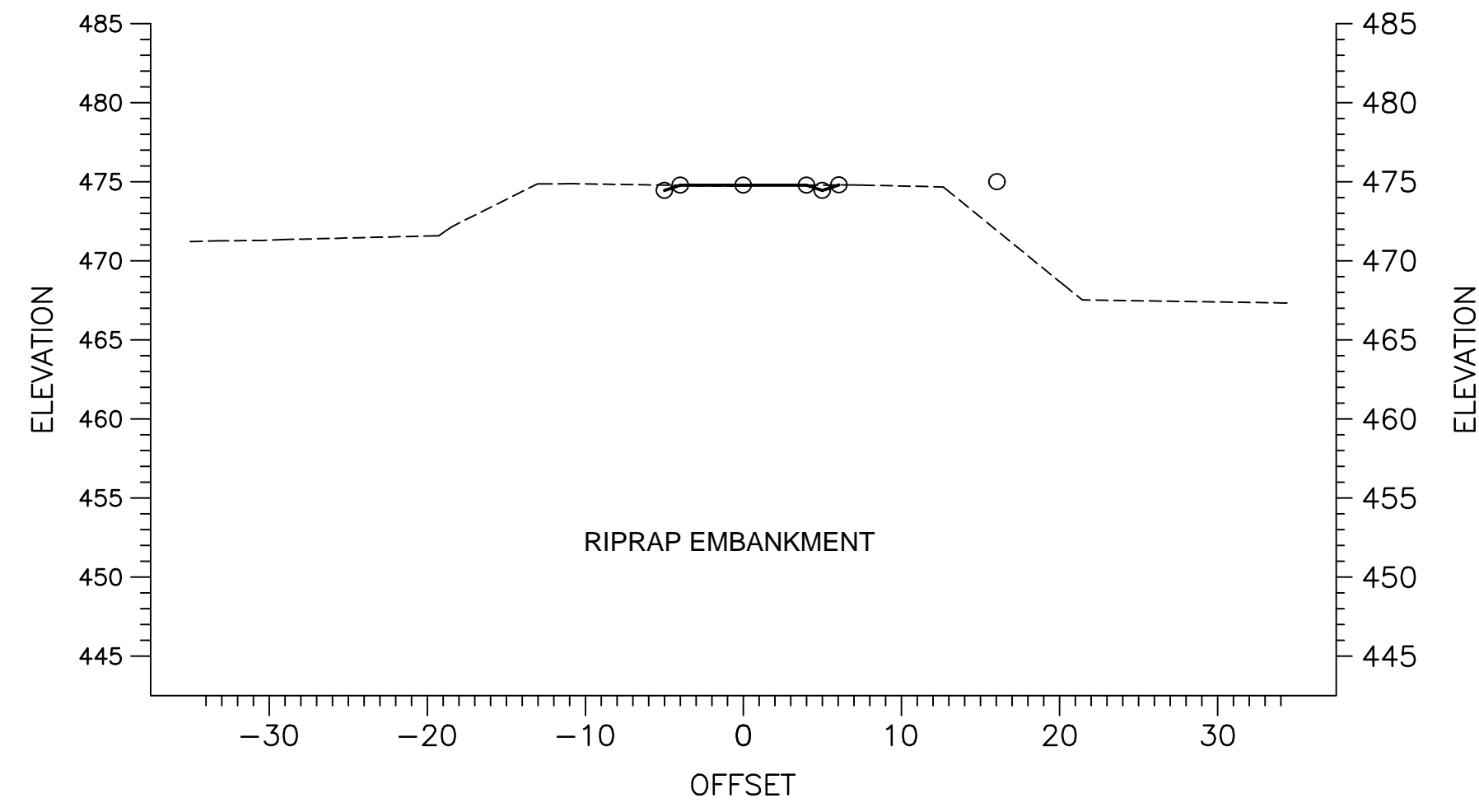
 DATE

STRUCTURAL DESIGN

DESIGNED: CHELENE WONG DATE: 2023/04/14
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KLICKITAT STATE PARK TRAIL
 ALTERNATIVES EVALUATION
 SECTIONS

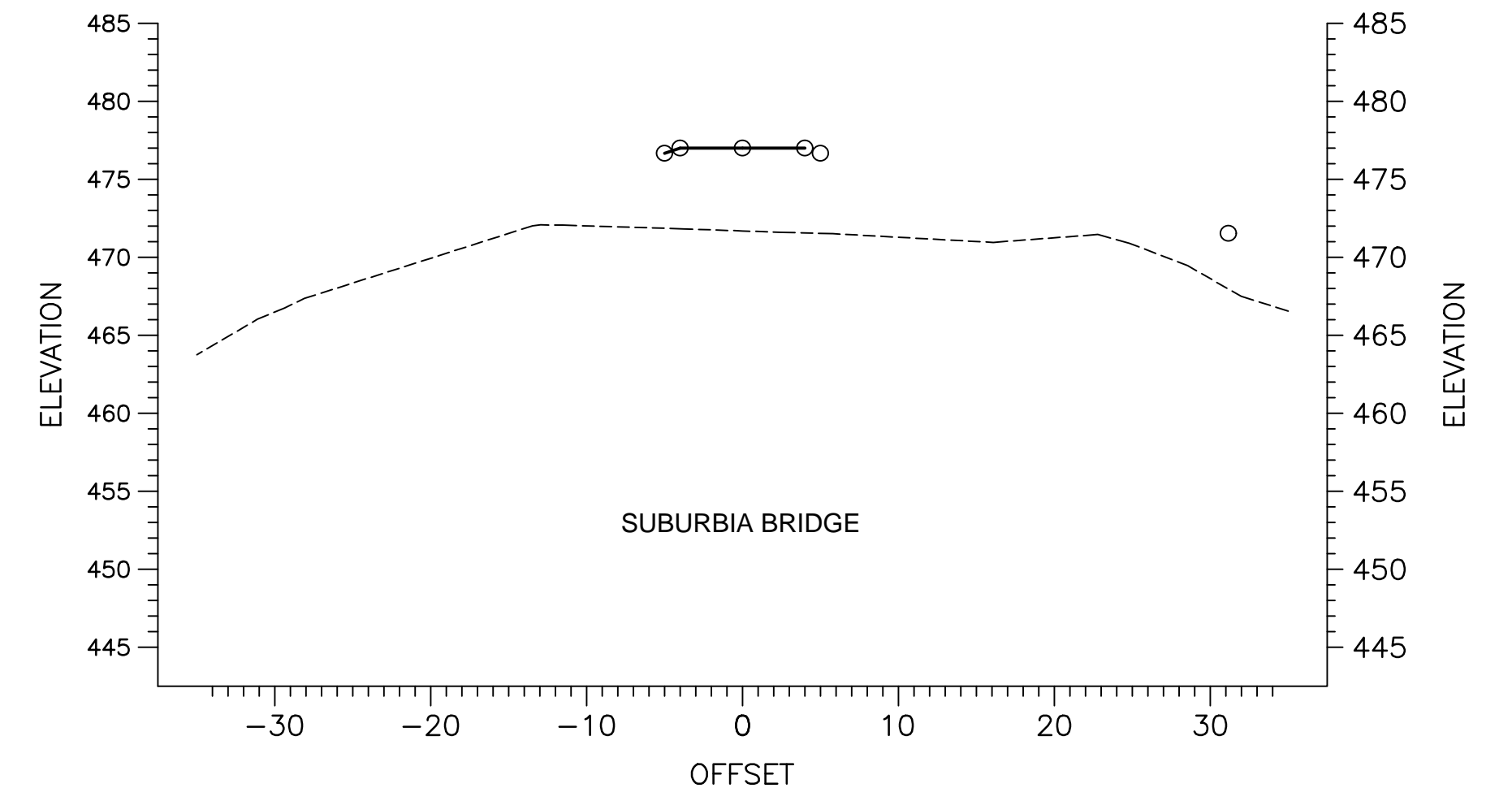
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FILENAME: 1236_AREA MOD.L	
PROJECT No: 1236	
SHEET: S-12	REV: A



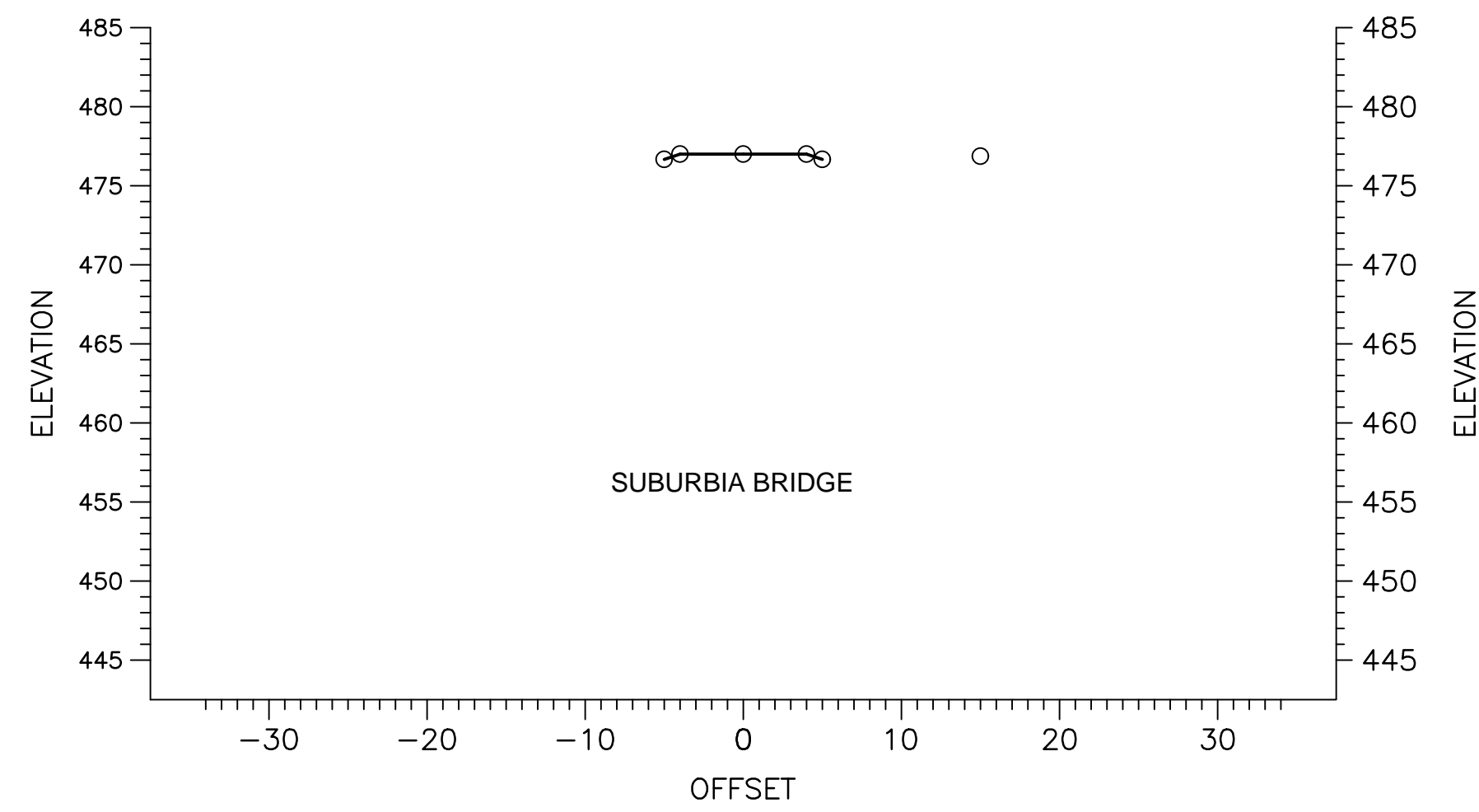
43+00.000



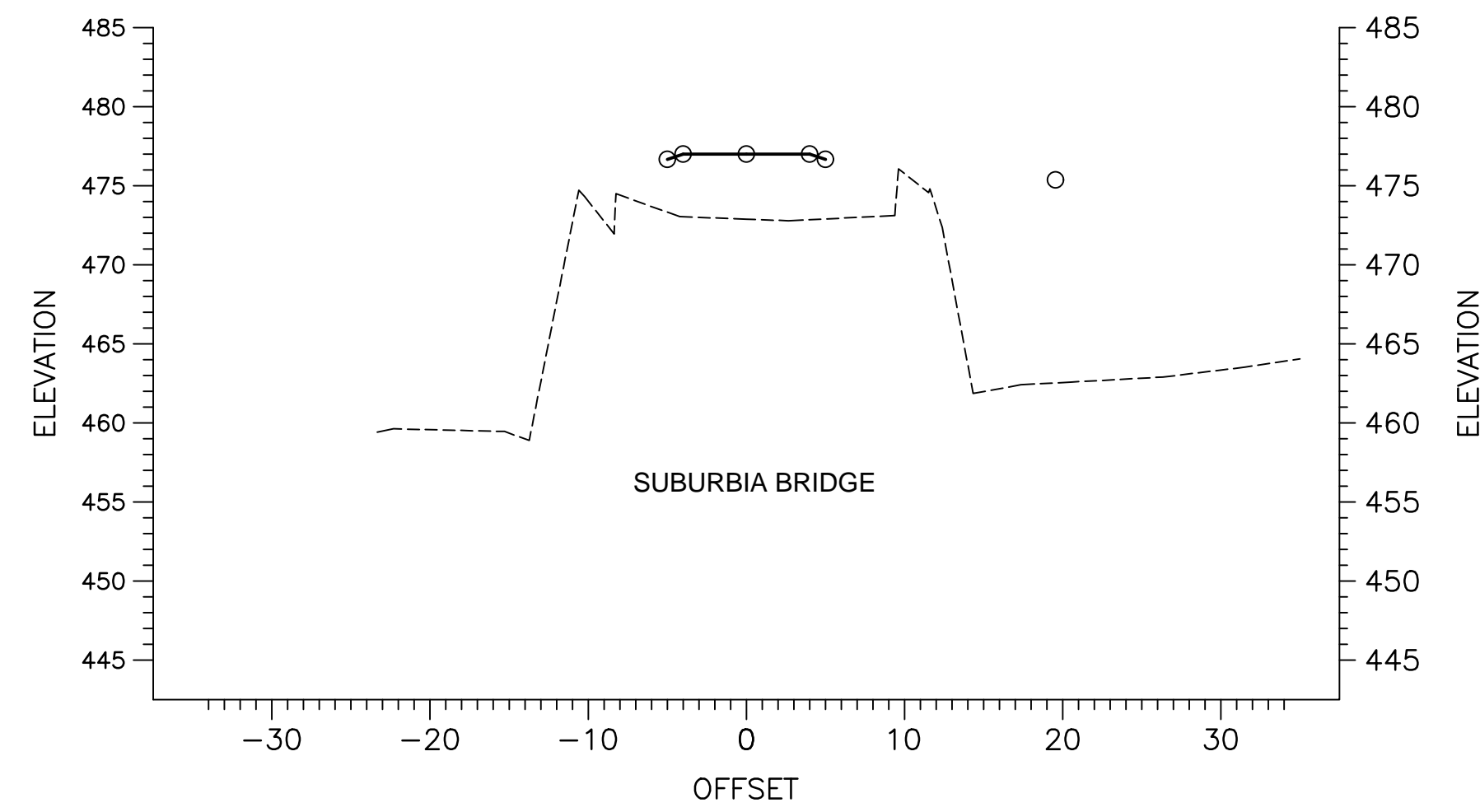
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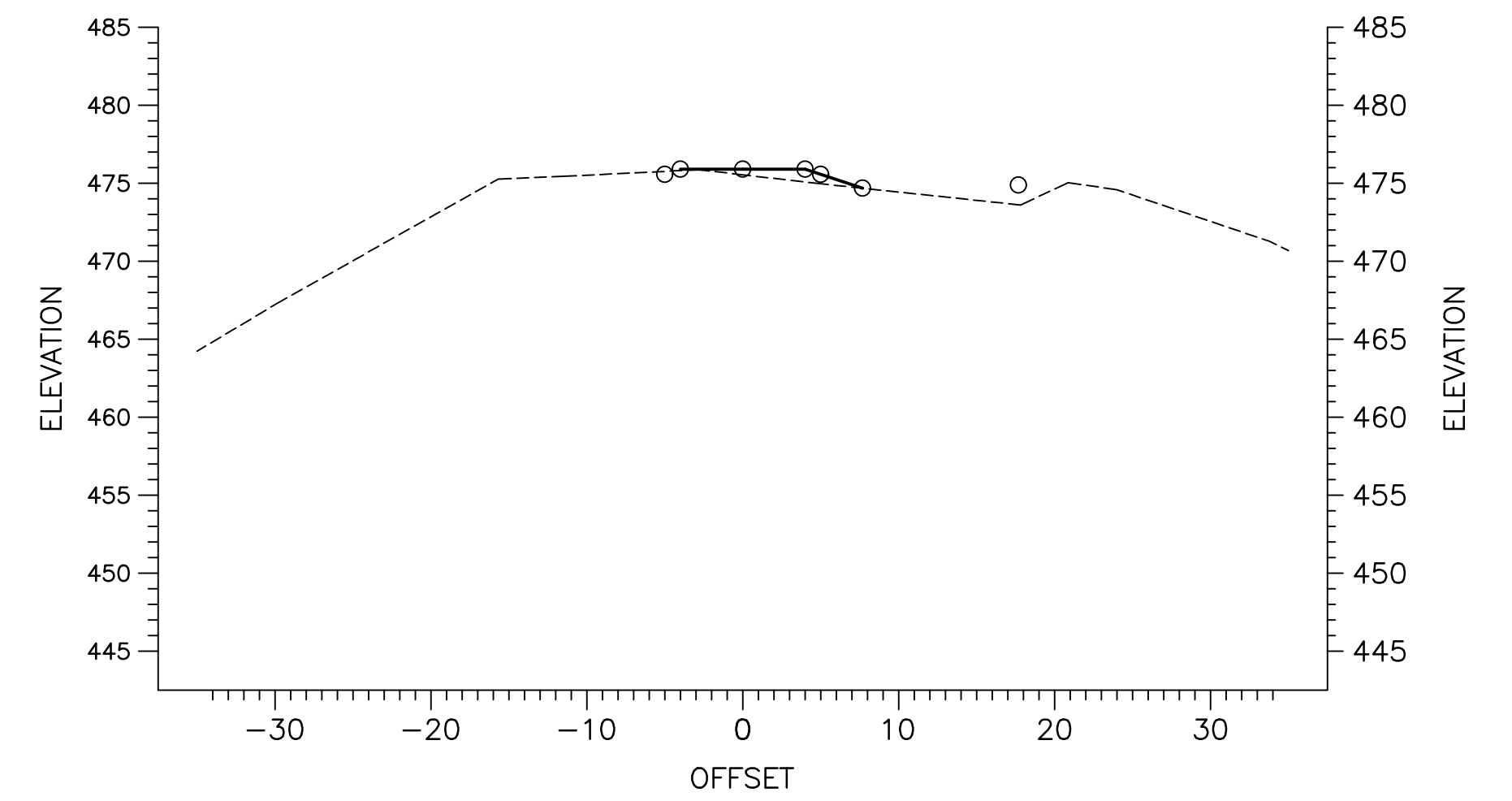
44+00.000



45+00.000



46+00.000



47+00.000

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V+M STRUCTURAL DESIGN

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KLICKITAT STATE PARK TRAIL
 ALTERNATIVES EVALUATION
 SECTIONS

SCALE: AS SHOWN	
FILENAME: ACAD-1236_ARE	
PROJECT No: 1236	
SHEET: S-13	REV: A