



Request for Proposal

RFP-5656-25-DD

Construction Manager/General Contractor (CM/GC) for
Juniata Dam Outlet Replacement

RESPONSES DUE:

June 4, 2025, Prior to 2:00 PM MDT

Accepting Electronic Responses Only
Submitted Through the
Rocky Mountain E-Purchasing System (RMEPS)

<https://www.bidnetdirect.com/colorado/city-of-grand-junction>

(The Purchasing Agent does not have access to or control the Vendor side of RMEPS. If the website or other problems arise during response submission, the Offeror MUST contact RMEPS to resolve the issue before the response deadline 800-835-4603)

NOTE: All City solicitation openings will be held virtually.
Information is in Section 1.8.

Purchasing Agent:

Dolly Daniels

dollyd@gjcity.org

970-256-4048

REQUEST FOR PROPOSAL

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Section 1.0: Administrative Information & Conditions for Submittal

- 1.1 Americans with Disability Act (ADA) Compliance Mandate:** Following HB21-1110, all documents produced and submitted in response to this solicitation must adhere to the provisions outlined in §§24-85-101, C.R.S., and subsequent sections, as well as the Accessibility Standards for Individuals with a Disability, as established by the Office of Information Technology under section §24-85-103 (2.5), C.R.S. Additionally, all documents must align with the State of Colorado's technology standards related to accessibility, including Level A.A. conformity with the latest iteration of the Web Content Accessibility Guidelines (WCAG) as integrated within the State of Colorado's technology standards.
- 1.2 Required Review:** The Offeror is responsible for thoroughly reviewing all solicitation documentation to gain a comprehensive understanding of the scope, specifications, project requirements, and all associated rules, regulations, laws, conditions, instructions, and procurement policies related to the solicitation process and the Project or Work outlined in this Request for Proposal (RFP).
- 1.3 Issuing Office:** This Request for Proposal (RFP) is issued by the City of Grand Junction, on behalf of the Parks and Recreation Department. All contact regarding this RFP is directed to:

Dolly Daniels, Senior Purchasing Representative
dollyd@gjcity.org

Except for pre-proposal or site visit meeting(s), all inquiries, concerns, clarifications, or communication regarding this solicitation, including those about process, specifications, or project scope, must be in writing to the Purchasing Agent. Any communication directed to other City personnel may result in disqualification of the Offeror's submission.

- 1.4 Purpose:** The purpose of this RFP is to obtain proposals from qualified and professional Contractors interested in providing CONSTRUCTION MANAGEMENT/GENERAL CONTRACTOR (CM/GC) for the Juniata Dam Outlet Replacement project. The project is located in Mesa County, Colorado, Water Division 4 in section 31 of Township 12 South, Range 98 West of the 6th Principal Meridian, 38.967457° latitude, -108.285497° longitude. The City has selected AECOM Technical Works Inc., Inc. as the design Contractor (Consultant) for this project. This proposal includes pre-construction Work for work with the City and the Consultant during design.
- 1.5 Non-Mandatory Pre-Proposal Site Meeting:** Interested Offerors are strongly encouraged to attend a pre-proposal meeting. The purpose of the meeting will be to clarify the contents of this Request for Proposal (RFP). The pre-proposal meeting shall take place on Thursday, May 15, 2025 at 11:00 AM at the City Hall Auditorium located at 250 N. 5th Street, Grand Junction, CO 81501. Nothing stated during the site visit meeting will modify the Solicitation. Only information provided in an addendum will modify the Solicitation.

- 1.6 **The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or its authorized representative.
- 1.7 **Compliance:** All Offerors, by submitting a proposal, commit to adhere to all terms and conditions, requirements, and instructions in this RFP as stated or implied herein or modified by addenda. Should the Owner omit anything necessary to understand the requirements clearly, or should it appear that various instructions conflict, the Offeror(s) shall secure instructions from the Purchasing Agent before the submittal deadline.
- 1.8 **Submission:** Please refer to section 5.0 for what is to be included. **Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidssystem.com/default.asp>).** *This site offers both “free” and “paying” registration options that allow for full access of the Owner’s documents and for electronic submission of proposals. (Note: “free” registration may take up to 24 hours to process. Please Plan accordingly.)* Please view our “**Electronic Vendor Registration Guide**” at <https://co-grandjunction.civicplus.com/501/Purchasing-Bids> for details. For proper comparison and evaluation, the City requests that proposals be formatted as directed in Section 5.0 “Preparation and Submittal of Proposals.” Submittals received that fail to follow this format may be ruled non-responsive. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**).

Solicitation Opening CM/GC Juniata Dam Outlet Replacement
Jun 4, 2025, 2:00 – 2:30 PM (America/Denver)

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- 1.9. **Controlling Authority:** The 2023 version of the City [Procurement Policy](#) applies to this Solicitation.
- 1.10. **Public Disclosure:** Under the Colorado Open Records Act (CORA), all information (except for items designated as classified, confidential, or proprietary) within any bid or proposal is subject to public disclosure. Upon the issuance of an award and executed contract, both the solicitation file and the bid(s) or proposal(s) contained therein are subject to an [Open Records Request](#). In instances of Solicitation or Project cancellation, public disclosure is contingent upon adherence to pertinent laws.
- 1.11 **Public Disclosure Record:** If the Offeror knows its employee(s) or subcontractors having an immediate family relationship with an Owner employee or elected official, the Offeror

must provide the Purchasing Agent with the name(s) of the individuals. The individuals are required to file a "Public Disclosure Record", and/or a statement of financial interest, before conducting business with the Owner.

- 1.12. Collusion Clause:** The Offeror, by submitting a proposal, certifies that it is not involved in any collusive action(s) or activity(ies) that may violate applicable federal or state antitrust laws, rules, and/or regulations. Any proposal(s) found to have evidence or reasonable belief of collusion among the Offerors will be rejected. The Owner reserves the right, at its discretion, to accept future proposals for the same Work(s) or work from participants identified in such collusion.
- 1.13. Gratuities:** The Offeror shall certify and agree that no gratuities or kickbacks were or will be paid in connection with this Proposal and/or an award of a Contract, nor were any fees, commissions, gifts, or other considerations made contingent upon the award of a Contract. If the Contractor breaches or violates this warranty, the Owner may, at its discretion, terminate the Contract without liability to the Owner.
- 1.14. Ethics:** No Offeror shall accept or offer gifts or anything of value and/or enter into any business arrangement with any employee, official, or agent of the Owner.
- 1.15. Altering Proposals:** Any alterations made before the opening date and time must be initiated by the Offeror. Proposals may not be altered or amended after the submission deadline.
- 1.16. Multiple Offers:** If an Offeror submits more than one proposal, THE ALTERNATE PROPOSAL must be marked "ALTERNATE PROPOSAL." The Owner reserves the right to make the award in the best interest of the Owner.
- 1.17. Withdraw of Proposals:** A proposal must be Contractor and valid for award and may not be withdrawn or canceled by the Offeror for ninety (90) days following the submittal deadline date, and only before award.
- 1.18. Exclusions:** No oral, telephonic, email, or facsimile proposal will be considered.
- 1.19. Contract Documents:** The Contract Documents consist of the complete solicitation and the Offeror's response. Solicitation documents are available on the City Purchasing website under, [Purchasing Bids](#).
- 1.20. Questions Regarding Specifications or Scope of Works:** All requests for clarification or interpretation of the Scope of Work and Specifications must be submitted in writing via email to the Purchasing Agent no later than the close of business on the inquiry deadline. Questions received after the deadline may not be addressed.
- 1.21. Acceptance of Proposal Content:** The Proposal selected by the Owner, if any, shall become a part of the Contract Documents. Failure of the successful Offeror to accept the obligations in the Contract may result in cancellation of the award and such Offeror may be removed from future solicitations. When a Contract is executed by and between the Offeror and the City, the Offeror may be referred to as the "Consultant," or "Contractor."
- 1.22. Addendum:** Official response to questions, interpretations, corrections, and changes to this solicitation or extensions to the opening/receipt date will be made by the Purchasing Agent by a written Addendum to the solicitation. The sole authority to authorize addenda

shall be vested in the Purchasing Division. Addenda will be issued electronically through BidNet Direct Rocky Mountain E-Purchasing System website at <https://www.bidnetdirect.com/colorado/city-of-grand-junction>. Offeror(s) must acknowledge receipt of all addenda in the proposal(s).

- 1.23. Exceptions and Substitutions:** All proposals meeting the intent of this RFP will be considered for the award. An Offeror that takes exception to the specifications does so at the Offeror's risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, the Offeror must state any exception(s) in the section to which the exception(s) pertain(s). Exception/substitution, if accepted, must meet, or exceed the stated intent and/or specification(s). The absence of stated exception(s) indicates that the Offeror has not taken exception(s), and if awarded a Contract, shall hold the Offeror responsible for performing in strict accordance with the Contract Documents.
- 1.24. Confidential Material:** All materials submitted in response to this RFP shall ultimately become public record and shall be subject to inspection after the Contract award. **"Proprietary or Confidential Information"** is defined as any information that is not generally known to competitors, and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information identified with the words **"Confidential Disclosure"** and uploaded as a separate document may establish the information as confidential or proprietary. Any material the Offeror(s) intends to be treated as confidential or proprietary must include a written explanation for the request. Consistent with the Colorado Open Records Act (CORA), the request shall be reviewed and decided by the Owner. If denied, the Offeror will have the opportunity to withdraw its proposal or to remove the confidential or proprietary information. Neither cost nor pricing information nor the entire proposal may be claimed as confidential or proprietary.
- 1.25. Response Material Ownership:** All proposals become the property of the Owner upon receipt and may only be returned to the Offeror at the Owner's option. Selection or rejection of the proposal shall not affect this right. The Owner shall have the right to use all ideas or adaptations of the ideas contained in any proposal received in response to this RFP, subject to limitations in the materials marked as "Confidential Material." Disqualification of a proposal does not eliminate the City's rights.
- 1.26. Minimal Standards for Responsible Prospective Offerors:** The Offeror must affirmatively demonstrate its responsibility. To meet the minimum requirements, a prospective Offeror:
- 1.26.1.** Possess adequate financial resources or the ability to secure such resources to ensure the Contractor's solvency and project capacity. Refer to Section 5.0.G for information.
 - 1.26.2.** Demonstrate the ability to comply with the required or proposed schedule. Provide documentation of past projects completed within the last two years, including a comparison of original schedules to actual completion dates, and an explanation of the methods used to manage and mitigate delays.
 - 1.26.3.** Show a satisfactory performance record on projects of similar scope and size.

1.26.4. Maintain a satisfactory record of integrity and ethical practices.

1.26.5. Be otherwise qualified and eligible to receive an award and enter into a Contract with the Owner.

1.26.6. Ensure that its/his/her Proposal(s) comply with the requirements provided in the "Preparation and Submittal of Proposals."

1.27. Disqualification of an Offeror: A Proposal will not be accepted from, nor shall a Contract be awarded to, any person, Contractor, corporation, or entity that is in arrears to the Owner, upon debt or Contract, or that has defaulted, as surety or otherwise, upon any obligation to the Owner, or that is otherwise deemed irresponsible or unreliable.

Offerors may be required to submit satisfactory evidence demonstrating its responsibility, practical knowledge of the Project it is proposing, and possession of the necessary financial and other resources to complete the proposed Work.

Either of the following reasons, without limitation, shall be considered sufficient to disqualify an Offeror and Proposal:

1.27.1. More than one Proposal is submitted for the same Work/Work from an individual, Contractor, consultant, Contractor, or corporation under the same or different name; and

1.27.2. Evidence of collusion among Offerors. Any participant in such collusion shall not receive recognition as a Offeror for any future Work of the Owner until such participant has been reinstated as a qualified Offeror.

1.28. Taxes: The Owner is exempt from State, County, and Municipal Taxes and Federal Excise Taxes; therefore, all fees shall not include taxes.

1.29. Sales and Use Taxes: The Contractor and all subcontractors are required to obtain exemption certificates from the Colorado Department of Revenue for sales and use taxes. Proposals shall reflect the removal of sales and use tax on materials, fixtures, and equipment.

1.30. Federal Taxpayer Identification Certificate: Successful Offeror(s) new to conducting business with the City must furnish a completed standard "Federal Taxpayer Identification Certificate (W-9)" before the Contract is executed. Additionally, the City reserves the right to request a current W-9 from established business relationships as necessary.

1.31. Public Opening: The opening of the Proposal(s) shall be conducted publicly in a virtual meeting following the proposal deadline. Offerors, representatives, and interested people may be present. Proposals shall be received and acknowledged to maintain transparency in the process. As per the nature of an RFP, only the company name(s) and the business location of the proposing Offeror(s) will be disclosed.

Section 2.0: General Contract Terms and Conditions

- 2.1. Acceptance of RFP Terms:** A proposal submitted in response to this RFP shall constitute a binding offer which shall be acknowledged by the Offeror on the Letter of Interest or Cover Letter. The Offeror must be legally authorized to execute a Letter of Interest or Cover Letter together with contractual obligations. By submitting a proposal, the Offeror accepts all terms and conditions including compensation, as set forth herein/the Contract Documents. A Offeror shall identify clearly and thoroughly any variations between its proposal and the Owner's requirements. Failure to do so may be deemed a waiver of any right(s) to subsequently modify the term(s) of performance, except as specified in the RFP.
- 2.2. Execution, Correlation, Intent, and Interpretations:** The Contract Documents shall be signed by the Owner and the Contractor. By executing the Contract, the Contractor represents that it has familiarized itself with the conditions under which the Work is to be performed and correlated its observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by anyone, shall be as binding as if required by all. The Contract Documents intend to include all labor, materials, equipment, Works, and other items necessary for the proper execution and completion of the Scope of Works as defined in the technical specifications contained herein.
- 2.3. Permits, Fees, & Notices:** The Contractor shall secure and pay for all permits, governmental fees, and licenses necessary for the proper execution and completion of the Works. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and orders of any public authority, including the City, bearing on the performance of the Work(s). If the Contractor observes that any of the Contract Documents are at variance in any respect, it shall promptly notify the Purchasing Agent in writing, and necessary changes will be made to reconcile the variation as determined to be in the best interest of the City. If the Contractor performs any Works knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Owner, it shall assume full responsibility and shall bear all costs attributable to the non-conforming Works.
- 2.4. Responsibility for those Performing the Work:** The Contractor shall be responsible to the Owner for the acts and omissions of its employee(s) and all other person(s) performing any of the Work under the Contract.
- 2.5. Payment & Completion:** The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the performance of the Work under the Contract. Upon receipt of written notice that the deliverable(s) is ready for final inspection and acceptance and upon receipt of the invoice for payment, the Owner's Project Manager will promptly make such inspection and, when the Owner finds the Work acceptable under the Contract and the Contract fully completed, the Owner shall make payment in the manner provided in the Contract Documents. Partial payments will be based upon estimates prepared by the Contractor of the value of Work performed under the Contract Documents. The Work performed by the Contractor shall follow generally accepted professional practices and the level of competency presently maintained by other practicing professional Agencies in the same or similar type of Work in the community. The Work to be performed by the Contractor hereunder shall be done in compliance with applicable laws, ordinances, rules, and regulations.

- 2.6. Changes in the Work:** The Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions. All such changes in the Work shall be authorized by Change Order/Amendment and shall be executed under the applicable conditions of the Contract. A Change Order/Amendment is a written order to the Contractor signed by the Contract Administrator after the execution of the Contract, authorizing a change in the Work or an adjustment in the Contract sum or the Contract time.
- 2.7. Minor Changes in the Work:** The Owner shall have the authority to order minor changes in the Work not involving an adjustment to the Contract Sum or an extension of the Contract Time and not inconsistent with the intent of the Contract.
- 2.8. Correction of Work:** All Work/Deliverables shall meet a standard comparable to the prevailing skill and expertise in the relevant market or industry. If any Work/Deliverables provided by the Contractor are found by the Owner to be non-conforming to the terms of the Contract, the Contractor shall promptly correct such issues. The Contractor shall bear all expenses associated with the correction of the rejected Work, including any additional Work required by the Owner as a result thereof, at no additional cost to the Owner.
- 2.9. Acceptance Not Waiver:** The Owner's acceptance of or approval of Work furnished hereunder shall not in any way relieve the Contractor of its responsibility to maintain the high quality, integrity, and timeliness of its Work. The Owner's approval or acceptance of, or payment for, any Work shall not be construed as a future waiver of any right(s) under the Contract, or of any cause of action arising out of performance under this Contract.
- 2.10. Change Order/Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions, or specifications stated in the Contract. All amendments to the Contract shall be made in writing by the City Contract Administrator.
- 2.11. Assignment:** The Contractor shall not sell, assign, transfer, or convey the Contract resulting from this RFP, in whole or in part, without the prior written approval from the Owner.
- 2.12. Compliance with Laws:** Proposals must comply with all Federal, State, County, and local laws governing the Work and the fulfillment of the Work for and on behalf of the public. The Contractor hereby warrants that it is qualified to assume the responsibilities and render the Work described herein and has all requisite corporate authority and professional licenses in good standing as required by law.
- 2.13. Debarment/Suspension:** The Contractor hereby certifies that the Contractor is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any governmental department or Agency.
- 2.14. Confidentiality:** All information disclosed by the Owner to the Offeror and/or the Contractor for the Work to be performed or information that comes to the attention of the Contractor during the performance of such Work is to be kept strictly confidential.
- 2.15. Conflict of Interest:** No public official and/or Owner employee shall have interest in the Contract resulting from this RFP.

- 2.16. Cancellation of Solicitation:** Any solicitation may be canceled by the Owner or any solicitation proposal response may be rejected as a whole or in part when it is in the best interest of the City.
- 2.17. Contract:** This solicitation, the Offeror's proposal/submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute an enforceable agreement equally binding between the Owner and the Contractor. The Contract represents the entire and integrated agreement between the City and the Contractor, collectively the Parties, and supersedes all prior negotiations, representations, or agreements, either written or oral, including the solicitation documents. The Contract may be amended or modified only with Amendment.
- 2.18. Contract Termination:** The Contract shall remain in effect until any of the following occurs: (1) Contract expires; (2) completion of Work; (3) final acceptance of Work; or (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation at least thirty days past notification.
- 2.19. Employment Discrimination:** During the performance of any Work, the Contractor agrees to:
- 2.19.1.** Not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, disability, citizenship status, marital status, veteran status, sexual orientation, national origin, or any legally protected status except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - 2.19.2.** In all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.
 - 2.19.3.** Notices, advertisements, and solicitations placed following federal law, rule, or regulation shall be deemed sufficient for meeting the requirements of this section.
- 2.20. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Contractor certifies that it does not and will not during the performance of the Contract employ personnel without authorization Work or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or law regulating immigration compliance.
- 2.21. Failure to Deliver:** In the event of failure of the Contractor to perform under the Contract, the Owner, after due oral or written notice, may procure Works from other sources and hold the Contractor responsible for any and all costs resulting in the purchase of additional Work and materials necessary to perform the Work. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.22. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the Contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the Contract or any part thereof, or the right of the Owner to enforce any provision of the Contract at any time under the terms thereof.

- 2.23. Force Majeure:** The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the Contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor unless otherwise specified in the Contract.
- 2.24. Indemnification:** The Contractor shall defend, indemnify, and save harmless the Owner and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name, and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, subcontractor or supplier in the execution of, or performance under, the Contract which may result from proposal award. The Contractor shall pay any judgment concerning costs that may be obtained by and/or against the Owner arising out of or under the performance or non-performance.
- 2.25. Independent Contractor:** The Contractor shall be legally considered an independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants, or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the Contractor, payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security, or any other amounts for benefit(s) to the Contractor. Further, the Owner shall not provide the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner to its employees.
- 2.26. Ownership:** All documents, plans, concepts, and work prepared under the Contract, *etc.*, created by the Contractor for this Work, shall become the property of the Owner. All information furnished by the Owner is and shall remain the Owner's property.
- 2.27. Patents/Copyrights:** The Contractor agrees to indemnify and hold harmless the Owner from any claims, including but not limited to those related to patents, copyrights, trademarks, or any other form of intellectual property rights infringement. In no event shall the Owner be held liable to the Contractor for any damages, awards, costs of defense, or other expenses arising from allegations of intellectual property infringement. Any agreement resulting from the response to this Solicitation shall be rendered null and void in the event of patent, copyright, or other intellectual property infringement. This includes but is not limited to the creation of derivative works based on the intellectual property of others.
- 2.28. Governing Law:** The Contract and/or any agreement(s) as a result of responding to this RFP shall be deemed to have been made in, and shall be construed and interpreted by, the laws of the City of Grand Junction, Mesa County, Colorado. Any action arising out of or under this Solicitation and/or Contract shall be in District Court 21st Judicial District, Mesa County, Colorado.
- 2.29. Expenses:** Expenses incurred in the preparation, submission, and presentation of a proposal in response to this solicitation are the responsibility of the Contractor and shall not be charged to the Owner.

- 2.30. Sovereign Immunity:** The Owner specifically reserves and asserts its rights under Colorado law and the cases applying and construing the same, governmental immunity. See 24-10-101 C.R.S *et seq.*
- 2.31. Public Funds/Non-Appropriation of Funds:** Funds for payment have been provided through the Owner's budget approved by the City Council for the stated fiscal year only. Colorado law prohibits the obligation and expenditure of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated obligations that may arise past the end of the stated Owner's fiscal year shall be subject to budget approval. The Contract will be subject to and provide a non-appropriation of funds clause under Colorado law.
- 2.32. Performance of the Contract:** The Owner reserves the right to enforce the performance of the Contract in any manner prescribed by law or equity as deemed by the Owner to be in the best interest of the Owner (in the event of breach or default) of resulting Contract award.
- 2.33. Default:** The Owner reserves the right to terminate the Contract if the Contractor fails to meet delivery or completion schedules or otherwise fails to perform under the terms of the Contract. In the event of a breach or default, the Owner is authorized to procure similar Works from an alternate Contractor and to hold the defaulting Contractor responsible for any additional costs incurred to complete Work for the project or property.
- 2.34. Piggyback:** Agreements resulting from this solicitation are intended primarily for the Owner. However, other governmental entities may be extended the opportunity to utilize the awarded Contract, contingent upon the agreement of the successful Offeror and the participating agencies. All participating entities must adhere to the specifications, terms, conditions, and contract prices established within the agreement. Each governmental entity shall establish its own contract, issue its own orders, be invoiced directly, make its own payments, and issue its own exemption certificates as required.

It is understood and agreed that the City is not a legally binding party to any contractual agreement made between another governmental entity and the Contractor as a result of this solicitation. The City shall not be held liable for any costs or damages incurred by any other entity.

2.35. Definitions:

- 2.35.1.** "Agency," "Consultant" or "Contractor" is the person, organization, entity, or consultant identified as such in the proposal and throughout the Contract. The term encompasses the Agency, Consultant, Contractor, or its authorized representative(s).
- 2.35.2.** "City" or "Owner" is the City of Grand Junction, Colorado, and is referred to throughout the Contract Documents.
- 2.35.3.** "Contract Sum" is the total amount payable, as specified in the Contract Documents, that the City agrees to pay the Contractor/Contractor for the full and satisfactory completion of the Works/Work, including all materials, labor, equipment, Works, and any other obligation required under the Contract Documents. The Contract Sum may be established as a Fixed Lump Sum, Guaranteed Maximum Price (GMP), or a Not-

to-Exceed amount, depending on the terms outlined in the Contract Documents. Any adjustment to the Contract Sum shall be made only following the provisions of the Contract Documents and must be duly authorized by the Parties.

- 2.35.4.** “Deliverable” refers to any tangible or intangible work product, report, document, presentation, or other output produced by the Contractor as part of the Work. All deliverables must comply with the Americans with Disabilities Act (ADA) and HB21-1110, which mandates adherence to the provisions outlined in §§24-85-101, C.R.S., and subsequent sections, as well as the Accessibility Standards for Individuals with a Disability established by the Office of Information Technology under section §24-85-103(2.5), C.R.S. Additionally, all documents must align with the State of Colorado's technology standards related to accessibility, including Level A.A. conformity with the latest iteration of the Web Content Accessibility Guidelines (WCAG) as integrated within the State of Colorado's technology standards.
- 2.35.5.** “Key Personnel” designates the crucial individual(s) from the entity or Contractor essential for the successful execution and completion of the Work. The individual(s) will possess specialized skills, knowledge, or experience required for the Project's specific scope of work.
- 2.35.6.** “Offeror” refers to the person(s) legally authorized by the Agency or Contractor to make an offer and/or submit a response fee proposal in response to the solicitation.
- 2.35.7.** “Project” or “Work” refers to the endeavor outlined in this solicitation to create the product, Work, or deliverable.
- 2.35.8.** “Work” includes all labor, materials, equipment, and/or professional skills necessary to produce the Work and meet the requirements of the Contract Documents.
- 2.35.9.** “Subcontractor” is a person(s) or organization that has a direct contract with the Agency to perform any of the Work. The term subcontractor is referred to throughout the Contract and means the subcontractor or its authorized representative.

Section 3.0: Insurance Requirements

- 3.1 Insurance Requirements:** The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to this Section. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Section by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.

Contractor shall procure and maintain and, if applicable, shall cause any Subcontractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to The Owner. All coverage shall be continuously maintained to cover all liability, claims, demands, and other obligations assumed by the Contractor pursuant to this Section. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise in the Special Conditions:

(a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.

(b) General Liability insurance with minimum combined single limits of:

FIVE MILLION DOLLARS (\$5,000,000) each occurrence and
FIVE MILLION DOLLARS (\$5,000,000) per job aggregate.

The policy shall be applicable to all premises, products and completed operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground (XCU) hazards. The policy shall contain a severability of interests provision.

(c) Comprehensive Automobile Liability insurance with minimum combined single limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and
ONE MILLION DOLLARS (\$1,000,000) aggregate

(d) Professional Liability & Errors and Omissions Insurance policy with a minimum of:

FIVE MILLION DOLLARS (\$5,000,000) per claim

This policy shall provide coverage to protect the contractor against liability incurred as a result of the professional Work performed as a result of responding to this Solicitation.

(e) Builder's Risk Insurance with minimum combined single limits of:

FIVE MILLION DOLLARS (\$5,000,000) each occurrence and
FIVE MILLION DOLLARS (\$5,000,000) per job aggregate.

With respect to each of Consultant's owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interests provision.

3.2 Additional Insured Endorsement: The policies required by paragraphs (b) above shall be endorsed to include the Owner and the Owner's officers and employees as additional insureds. Every policy required above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by Contractor. The Contractor shall be solely responsible for any deductible losses under any policy required above.

Section 4.0: Specifications/Scope of Works

4.1. General/Background: The general scope of Works to be obtained as a result of this RFP includes preconstruction Services, value engineering, Construction Management (“CM”) and General Contractor (“GC”) Work relative to the Juniata Dam Outlet Replacement. The selected CM/GC will work collaboratively with the design team (led by AECOM Technical Works, Inc.) and the Owner in the development of the design, recommending cost saving strategies and system selections to best meet the intent and schedule as described herein. The CM/GC shall consistently review the design documents, including drawings and specifications for appropriateness to means and methods, cost efficiencies and overall schedule control. Contractor shall also actively engage in progress meetings and workshops with Owner and design team. The selection of the CM/GC is expected to be concluded and approved by the City Council on July 16, 2025.

During the pre-construction phase of the project, the CM/GC shall make recommendations as to how the construction schedule is best suited to the project pertaining to value engineering, project time, cost, etc. CM/GC shall, if necessary, recommend early procurement of any long lead items critical to maintaining or improving the construction schedule during design review. At the direction of the City, these recommended early procurement items may result in an additional GMP for procurement.

The timeline for the construction phase of this project must be performed in Fall 2025, (August to November), allowing the City to maintain water storage within, and supply/deliver water from Juniata Reservoir during the peak summer water demand period. The construction phase of this project is planned to be completed in 2027. All planning, design and construction efforts will be expedited to the extent possible. The Owner intends to establish a Not to Exceed Price for all Pre-Construction Works, and a Guaranteed Maximum Price for the Construction portion of this project.

The City of Grand Junction (City) manages, operates, and maintains the Juniata Dam and reservoir. The structural height of the dam is 98-ft with a normal storage capacity of 7,281 acre-feet of water behind an earthen embankment. The reservoir serves as the City’s terminal reservoir and primary water storage for domestic use.

The Juniata Reservoir is classified as a high hazard jurisdictional dam as defined by Colorado Dam Safety of the Division of Water Resources. Currently, the dam is rated as “Satisfactory” and has no storage restriction. The dam has a concrete emergency spillway structure located on the north side of the embankment (right end of dam) that discharges into an earth-lined open channel. The spillway width is 30 feet and has a capacity of 1000 cfs. Juniata Reservoir is an off-channel reservoir that is filled with water diverted from Kannah Creek as well as the North Fork of Kannah Creek, both water sources are piped to the reservoir. Juniata Reservoir is typically at full capacity by April 1st in a normal precipitation year. Summer demands typically cause reservoir storage to drop to around 5200 acre-feet by October 1st.

The scope of Works for the engineering consultant encompasses design of the Juniata Dam Outlet Replacement, including:

- Excavation of the embankment to expose the existing outlet pipe from the existing intake structure downstream beyond the existing concrete encasement to expose the original reinforced concrete pipe (RCP).
- Demolish and dispose of the existing intake structure and concrete encasement taking care not to damage the original RCP pipe.

- Demolish and dispose of existing polyethylene pipe upstream from existing RCP, leaving a minimum of 2 feet of existing polyethylene pipe exposed.
- Salvage the existing trash racks and hydraulic slide gates for reuse or future use by the City.
- Excavate and demolish the existing air vent pipes and hydraulic lines.
- Construction of new reinforced concrete intake structure with trash racks and single hydraulically operated slide gate.
- New steel outlet pipe length from the intake structure downstream to the existing polyethylene pipe lining. The steel pipe will include a transitional section, reducing the pipe size from the new enlarged hydraulic gate to the existing polyethylene pipe. A bolted flange connection will join the steel and polyethylene pipes.
- Reinforce concrete pipe encasement from the intake structure downstream to the existing RCP to fully encase the new pipe length and connection to existing polyethylene pipe.
- Reinforce concrete grade beam from intake structure to crest with stainless steel air vent and stainless steel hydraulic lines embedded in concrete.
-

In addition to the construction of the design items described above, the CM/GC will be responsible for:

- pressure testing and video inspection of the outlet pipes,
- site survey,
- borrow/soil investigations after draw-down of the reservoir.

The City seeks to hire a CM/GC to fully collaborate with the City and Design Engineering Contractor to provide all Work necessary to perform design, engineering, construction, management, etc. for the successful completion of the project. Therefore, the City of Grand Junction Purchasing Department is requesting proposals from qualified CM/GC's to provide collaborative value engineering, schedule improvements and pre-construction design Works with the Engineering Contractor AECOM Technical Works, Inc, including:

- Review of the 30% Design and participate with the City & AECOM in a meeting/workshop to familiarize the personnel with work that has been completed to date.
- Design Review (including specifications and construction drawings) during the 90% submittals.
- CM/GC Contractor is also expected to take part in one Partnering meeting as part of preconstruction Work and additional meetings (TBD) during construction phase.
- CM/GC Contractor shall also plan, setup, conduct up to two 2 value engineering work sessions.

4.2. Budget: The budget for this project, in its entirety, (including design work thus far plus all related design and construction) is estimated at approximately \$1,350,000.00

4.3. Design Firm: The Owner has selected AECOM Technical Works (Consultant) as the design Contractor for this project. The Owner shall require maximum collaboration by the Consultant, the CM/GC/General Contractor and the Owner's project staff and other

Persigo Committee members and staff to ensure value engineering through constructability assessments, during the preconstruction phase(s) of the project.

4.4. Special Conditions/Provisions:

4.4.1 Pre-Proposal Site Meeting: Interested Offerors are strongly encouraged to attend a pre-proposal meeting. The purpose of the meeting will be to clarify the contents of this Request for Proposal (RFP). The pre-proposal meeting shall take place on Thursday, May 15, 2025, at 11:00 AM at the City Hall Auditorium located at 250 N. 5th Street, Grand Junction, CO 81501. Nothing stated during the site visit meeting will modify the Solicitation. Only information provided in an addendum will modify the Solicitation.

4.4.2 Term of Contract: By submitting a response to this RFP, the Offeror agrees and understands that payments pursuant to this Contract are subject to and contingent upon the continuing availability of funds for the purposes herein. If such funds become unavailable, the Council may terminate all or part of this Contract immediately without further liability.

4.4.3 Pricing/Fees: Pricing shall be all inclusive to include but not be limited to: all labor, equipment, supplies, materials, freight (F.O.B. Destination – Freight Pre-paid and Allowed to each site), all design related Works, travel, mobilization costs, fuel, set-up and take down costs, and full-time inspection costs, general conditions, and all other costs related to the successful completion of the project.

The Owner shall not pay nor be liable for any other additional costs including but not limited to: taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

Contractor shall submit pricing as follows: Not to Exceed Price for all Pre-Construction Works for this project; and % of OH&P for Construction Works for this project; and Not to Exceed Price for all General Conditions. The Owner intends to establish a Guaranteed Maximum Price for the construction portion of this project.

For pricing purposes for this solicitation process, Contractors shall presume a construction cost of \$1,200,000.00.

All fees will be considered by the Owner to be negotiable.

Also see Section 5.0, paragraph H.

4.4.4 Codes: The Consultant shall ensure that project design, scope and specifications meet all Federal, State, County, and City Codes.

4.5. Scope of Work: The general scope of Works to be obtained as a result of this RFP includes Pre-Construction and Construction Works. These Works shall consist of the following:

4.5.1 Pre-Construction Works

- a. Design Consultation During Project Development – Attend four scheduled meetings with the Consultant and the City during design development, and development of construction

documents, to advise on site use and improvements, selection of materials, and equipment. Provide recommendations on construction feasibility, availability of materials and labor, time requirements for installation and construction and factors related to cost including alternative designs or materials, preliminary budgets and possible economies. Consult with the City and the Consultant to finalize construction-phasing plans based upon the preliminary project plan included with the CM/GC's original proposal. Present schedule and cost associated with each plan. The Construction Phasing Plan must consider construction feasibility, availability of materials and labor, coordination with the City's on-going activities on the Project sites, and other factors related to time, cost and safety.

b. Cost Estimating, Scope Management and Value Engineering

The CM/GC shall prepare a GMP cost estimate based on the 90% design submittals. The CM/GC shall provide a complete review and comparison with the Consultants 30% cost estimate. The CM/GC can use whatever means and methods deemed necessary to develop the estimate, including use of subcontractor pricing, historical unit costs, etc. The estimate shall be sufficiently detailed to enable review, by the City and the Consultant, of all site and building components and systems. The CM/GC shall be expected to identify and present scope adjustment, value engineering or cost reduction ideas generated as a result of the estimating process. The CM/GC will work with the City and the Consultant to develop a scope of work that fits within City's available budget for site and dam construction.

Consultant will produce an estimate format for the project utilizing a Work Breakdown Structure (WBS) format. The format will be developed based on the key work areas identified for the project. Each work area will contain a breakdown structure that incorporates the scope for that work area by CSI division, i.e., concrete, earthworks, miscellaneous metals, electrical, etc.

The CM/GC GMP should contain sufficient detail to be able to review and understand the costs for labor, material, construction equipment, small tools, and incidentals for each activity associated with the WBS for the estimate. CM/GC contractor will provide a summary of general conditions as indicated in Section 5. The CM/GC fee and contingency will also be identified separately.

c. Scheduling – Develop a Project Time Schedule that coordinates and integrates the Consultant's design efforts with construction schedules. Update the Project Time Schedule incorporating details for the construction operations of the project, including realistic activity sequences and durations, allocation of labor and materials, processing of shop drawings, and samples and delivery of products requiring long lead-time procurement.

The CM/GC and Consultant will work collaboratively to identify options of construction activities, however, ultimate responsibility for coordination of work of the sub-contractors is the CM/GC's responsibility. Coordination of activities must be developed and executed in a way that minimizes cost while also minimizing interruption of normal water supply from Juniata Reservoir. The Dam and Reservoir must be fully operational by December 31, 2027. This will be a balance that will require regular communication and joint decision making between the Owner, the Consultant and the CM/GC.

d. Site Investigation – After receiving Construction Documents, CM/GC shall conduct a walkthrough of the project to familiarize itself with the proposed Scope of Work and document the existing conditions of the facilities and/or site. The CM/GC shall provide a written report to the City of any discrepancies or issues and their effects to the project identified during the site investigation walk through.

- e. Construction Estimate – Prepare a GMP for the work based on a quantity survey of drawings and available specifications. Update and refine the construction estimate for the City's approval and acceptance as the development of the drawings and specifications proceeds. Provide GMP estimates at the completion of 30% and 90%, design documents produced by the Consultant. Estimate shall include the bid amounts and construction contingencies.
- f. If an early release / equipment procurement package(s) is needed to ensure project schedule adherence, Contractor shall provide cost/pricing during the design development in the Preconstruction Phase, at which point an initial contract shall be established (upon City Council approval). Final Guaranteed Maximum Price shall be submitted for approval upon completion of the 90% design documents, at which point a change order shall be established (upon City Council approval).
- g. Value Engineering (VE) – At the end of both 30% and 90% construction documents, CM/GC shall complete a technical review and analysis of systems and materials being considered in the design to produce the greatest value for the least cost, including life cycle analysis.

(1) Design Review/Coordination of Contract Documents – Conduct a formal review of 90% construction documents produced by the Consultant. These reviews shall address estimated cost, completeness of design, coordination of documents, and construction feasibility and work phasing and shall include detailed reviews of all work. A written report of findings, including recommended revisions and/or value engineering proposals, shall be submitted to the City and the Consultant within one week of receipt of said documents. Verify that all identified deficiencies and/or revisions authorized by the City are acknowledged by the Consultant and incorporated in all subsequent documents presented and in the final Construction Documents.

- h. Risk Register – The Risk Register is a tool used to document the risk management process. The purpose of the Risk Register is to define the risks, document the risks, identify cost and schedule impacts associated with the risks, and produce detailed mitigation plans for the risks. Each Risk Register includes the agreement of how the City and the Contractor defined the risks, who is responsible for the risks, and how the risks are to be paid during construction. The Contractor is responsible for preparing and updating the Risk Register with input from City, and the Consultant. By the end of the Preconstruction Phase, the Risk Register describes all known project risks, defines the project Risk Pools, and becomes part of the Contract Documents. This Risk Register includes the agreements between City and the Contractor that defines risk management for the construction package(s). The Risk Register is formalized with the Construction Agreement and is a Contract Document that is signed and agreed to by both parties so that miscommunications and disputes during construction are limited. During the Construction Phase, the Contractor is responsible for monitoring and controlling the risks that have been allocated to the Contractor through the Risk Register. The outline and City template for a typical Risk Register includes the following:
Section 1 – Project Overview, Purpose, and Procedure
 - a. Project overview (a full description of the project from the RFP with any changes that have occurred during the design development)
 - b. Project goals (as previously developed during the RFP and Project Scoping Workshop)
 - c. Purpose of the Risk Register
 - d. Risk Register procedure and methodology

Section 2 – Construction Phase Risk Categories and Definitions

- a. Construction package (list the construction package(s) determined in the Preconstruction Phase)
- b. Definition of the established Risk Pools and Agreements
- c. A list of each identified risk specifying which Risk fund the item will be paid from
- d. Revisions to standard payment Specifications for all Shared Risk Pool items, which define how the item will be paid and shared

Section 3 – Risk Matrix

- a. Identifies each risk, risk level, cost impact, schedule impact, approach to minimize risk, responsible party, and result of risk mitigation. (See attached example)

- i. Prequalification Requirement:** Contractors submitting bids over \$500,000 must be pre-qualified in accordance with the City's *"Contractors Prequalification Application"*. All bids received by the specified time will be opened, but the City will reject bids over \$500,000 from contractors who have not been prequalified. Application forms for prequalification are available by clicking the [Application Link](#) Call 970-256-4082 for additional information. Due to the time required to process applications, *all applications must be submitted no later than the application due date stated in the Solicitation document.* Contractors may view its approved pre-qualified categories by clicking the [Pre-Qualification List Link](#).

Contractors must be pre-qualified in the following categories to submit a bid response to this Project: **3F Dams and Reservoirs**

- j. Work Task Coordination** – The CM/GC shall work collaboratively with the Consultant (in conjunction with the Owner) throughout the process. The Owner expects that the CM/GC and Consultant work as a team to produce design documents that consider constructability and placed an importance on value engineering where possible.

4.5.2 Construction Works

The Consultant shall provide construction administration Works in conjunction with the CM/GC, including participation in periodic on-site meetings, submittal reviews, construction inspection Works, and any other necessary item to ensure proper construction of the project. Construction administration may include daily observation during critical construction periods and periodic observations during less important periods of construction. CM/GC shall have overall responsibility for budgeting and construction estimating. Consultant shall work with CM/GC on feasibility of systems, document completeness and acceptability, and alternatives for bidding.

- a. Pre-Construction Conference** – Prior to the commencement of work, the CM/GC shall submit to the Consultant and the City in reasonable detail and format acceptable to the Consultant and the City, copies of the following documents:
1. Submittal log and schedule.
 2. Request for Information (RFI) form and log format. (Consultant will provide log being used to date)
 3. Request for Change Order form and log format.
 4. List of inspections required by the Contract Documents.
 5. Quality Control (QC) plan.
 6. Safety plan.
 7. Copies of required permits.

Upon review of the above documents by the Consultant and the City, the CM/GC shall facilitate a Pre-Construction Conference and establish project procedures and construction schedules.

- b. Project Control** – Supervise the Work of the subcontractors and coordinate the Work with the activities and responsibilities of the City and Consultant in order to complete the Project in accordance with the City's objectives of cost, time and quality.
- c. Staffing** – Maintain, at the Project site, a competent staff as approved by the City, to coordinate, provide overall direction of the Work, and monitor progress of the subcontractors on the Project. Assign to the Project, for the duration of the Work through correction of punch-list, a full-time competent Superintendent and any necessary assistants, as satisfactory to the City, in accordance with executed Amendments and/or CM/GCs General Conditions. The Superintendent shall not be changed except with the consent of the City. The Superintendent shall see that the Work is carried out in accordance with the Contract Documents and shall be full time and/or shall be present on the project site during the execution of all work associated with this Agreement unless authorized by the City.
- d. Organization** – Establish, document and communicate an on-site organization and lines of authority in order to carry out the overall plans of the Project team.
- e. Coordination** – Establish and implement procedures for coordination among the City, Consultant, subcontractors and the CM/GC with respect to all aspects of the Project. Schedule and conduct weekly progress meetings with the Consultant and the City. CM/GC shall be responsible for recording and distribution of meeting minutes
- f. Schedule Monitoring and Updating**– Provide regular monitoring and monthly updating of the schedule as construction progresses. Identify potential variances between scheduled and projected completion dates. Review schedule for work not started or incomplete, and recommend to the City and Consultant, sub-contractors' adjustments in the schedule to meet the scheduled completion date.
- g. Progress Meetings** – The City, CM/GC, and A/E shall meet, either in person or by conference calls (Microsoft Teams, Zoom or similar video) at regularly scheduled Project Working Group Meetings held at approximate two-week intervals throughout the project. Meetings shall include Consultant PM, City PM, CM/GC, and other stakeholders as identified and required during the design and construction progress. The Project Working Group meetings shall be used to coordinate the work effort and resolve any outstanding issues or problems. The Meetings shall focus on the following topics:
 - Activities completed since last meeting
 - Problems encountered or anticipated
 - Late activities or activities slipping behind schedule
 - Solutions for unresolved or newly identified problems
 - Schedule of upcoming activities
 - Information on items required, or comments from stakeholders.

- h. Change Orders – Develop and implement a system for the expeditious review and processing of Change Orders. Propose necessary or desirable changes in the Scope of Work to the City and the Consultant, review requests for changes, submit recommendations to the City and the Consultant and negotiate Change Orders with subcontractors.
- i. Permits – Secure all necessary permits, licenses and inspections for the proposed completion and execution of the Work. Coordinate and schedule all inspections. Create and maintain a log of all inspection including copies of all “signoffs.”
- j. City’s Consultants/Contractors – If required, assist the City in the coordination of a surveyor, testing laboratories other special consultants, telecom/data, temperature controls and other contractors contracted directly to the City involved with work associated with contract documents.
- k. Safety Measures – Establish procedures and measures for the safety of persons and property at and around the site of the Work. Assure compliance with all federal, state and local statutes, rules, regulations and orders applicable to the conduct of the Work.
- l. Quality Control Program – The CM/GC shall establish and maintain a Quality Control (QC) Program specific to the Project. The QC program shall consist of the CM/GC’s QC organization, the project specific QC plan, QC meetings, the phases of control, submittal review and approval, testing and inspections, and documentation necessary to provide materials, equipment, workmanship, fabrication, construction and operations compliance with the requirements of the Contract Documents.

Quality Control is the responsibility of the CM/GC. This Quality Control is not to be mistaken for the Quality Assurance Program provided by the City (construction materials testing & Special Inspection Works, Consultant observations, etc.). These City-provided inspection and/or observation Works are for the purpose of verifying the CM/GC’s Quality Control.

- m. Contract Interpretations – Refer all questions, in writing, relative to interpretations of design intent to the Consultant. CM/GC shall implement an effective system for recording and tracking questions (RFI) and responses through final resolution and distribution to all parties concerned. At the weekly progress meeting, CM/GC is to identify any critical questions (RFI) that may impact either schedule, cost or quality of the Project.
- n. Material Submittals, Shop Drawings and Samples – In collaboration with the Consultant, establish and implement procedures for expediting the processing and approval of material submittals, shop drawings and samples. The Contractor shall plan on ten working days for submittal review by the Consultant team.
- o. Reports and Project Site Documents – Record the daily progress of the Project in a daily log available to the City and the Consultant. Submit, on a weekly basis, written progress reports and summaries of meetings to the City and the Consultant, including information of the subcontractors’ work, labor resource levels by trade, safety violations, inspections or tests and the percentage of completion of item relative to the Project Schedule.
- p. Record Documents – Maintain at the Project site, on a current basis, records of all contracts, shop drawings, samples, purchases, materials, equipment, maintenance and

operating manuals and instructions and any other documents and revisions thereto which arise out of the Project or the Work.

- q. Start-Up, Testing, Commissioning, and Training - With the City's maintenance personnel, schedule and direct the checkout of utilities, operating systems and equipment for readiness and assist in the initial start-up and testing by the appropriate subcontractor, representative or authority. Assist in final commissioning of equipment to hand over to City for operation.
- r. Warranty – During the one-year warranty period, which starts at the date of Substantial Completion, perform two (2) warranty inspections, 1 each at 6 months and 11 months, and ensure that Work which proves defective or deficient during such time is corrected either by the subcontractors or such other means as shall be required. Administer the one-year warranty period by the City's Warranty Work Request process.

4.6. Attached Documents:

A: Juniata Dam 30% Design Memo

B: Example Risk Register

4.7. RFP Tentative Time Schedule:

- | | |
|--|------------------------|
| • Request for Proposal available | April 25, 2025 |
| • Non-Mandatory Pre-Proposal Meeting Options | May 15, 2025, 11:00 AM |
| • Inquiry deadline, no questions after this date | May 20, 2025 |
| • Addendum Posted | May 22, 2025 |
| • Submittal deadline for proposals | June 4, 2025 |
| • Owner evaluation of proposals | June 5 – 10, 2025 |
| • Interviews (if required) | Week of June 16, 2025 |
| • Final selection | June 23, 2025 |
| • City Council Approval | July 16, 2025 |
| • Contract execution | July 18, 2025 |
| • Final GMP Established | TBD |
| • Total Project Completion no later than | TBD |

4.8. Questions Regarding Scope of Works:

Dolly Daniels, Senior Purchasing Agent

dollyd@gjcity.org

Section 5.0: Preparation and Submittal of Proposals

Submission: *Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidsystem.com/default.asp>). This site offers both “free” and “paying” registration options that allow for full access of the Owner’s documents and for electronic submission of proposals. (Note: “free” registration may take up to 24 hours to process. Please Plan accordingly.)* Please view our “**Electronic Vendor Registration Guide**” at <https://co-grandjunction.civicplus.com/501/Purchasing-Bids> for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline **800-835-4603**). For proper comparison and evaluation, the City requests that proposals be formatted as directed in Section 5.0 “Preparation and Submittal of Proposals.” Offerors are required to indicate their interest in this Project, show their specific experience and address their capability to perform the Scope of Works in the Time Schedule as set forth herein. For proper comparison and evaluation, the Owner requires that proposals be formatted **A to J**:

- A. Cover Letter:** Cover letter shall be provided which explains the Contractor’s interest in the project. The letter shall contain the name/address/phone number/email of the person who will serve as the Contractor’s principal contact person with Owner’s Contract Administrator and shall identify individual(s) who will be authorized to make presentations on behalf of the Contractor. The statement shall bear the signature of the person having proper authority to make formal commitments on behalf of the Contractor. By submitting a response to this solicitation, the Contractor agrees to all requirements herein.
- B. Qualifications/Experience/Credentials:** Offerors shall provide their qualifications (to include specifics to wastewater treatment plant expansions/construction) for consideration as a contract provider to the City of Grand Junction and include prior experience in similar projects. Information provided shall include but is not limited to:
- Organizational chart of company and/or project team
 - Identification of key personnel
 - Professional qualifications, resumes and functions of personnel who will be assigned to the project
 - Specific related project experience of personnel
 - Personnel availability and time commitment proposed to meet the project schedule
 - Experience with wastewater expansion and retrofit projects that are on active operating plants
- C. Strategy and Implementation Plan:** Describe your (the Contractor’s) interpretation of the Owner’s objectives with regard to this RFP. Describe your proposed CM/GC management strategy and/or plan for achieving the objectives of this RFP. Provide examples of control systems you propose to use in the execution of this project:
- Cost control
 - Schedule control
 - Quality control (value engineering, methodology)
 - Value Engineering
 - Maintenance of Operations Plan
 - Risk Register

The Contractor may utilize a written narrative or any other printed technique to demonstrate their ability to satisfy the Scope of Works. The narrative should describe a logical progression of tasks and efforts starting with the initial steps or tasks to be accomplished

and continuing until all proposed tasks are fully described and the RFP objectives are accomplished. Include a **time schedule** for completion of your Contractor's implementation plan and an estimate of time commitments from Owner staff.

- D. Current and Anticipated Workload:** Describe your current workload and expectations in coordinating your current projects, anticipated projects and this project.
- E. Capability/Performance:** Provide brief project descriptions and histories that delineate your ability for at least four (4) projects completed in the past five years with a similar size, scope and delivery method to this project. Provide as a minimum:
- Project description
 - Project budget at 30% and 60%
 - Guaranteed Maximum Price; delineate specifically the fee and general conditions cost totals
 - Total dollar amount of change orders (exclusive of change of scope change orders)
 - Completed project cost inclusive of all change orders, final contractor fees, and general conditions.
 - Major structural system(s)
 - Special or unique conditions, systems, characteristics, etc., including work that was fast tracked to meet an expedited schedule
 - Original and actual construction schedule comparisons and describe the difference
 - Owner's representative name and contact information
- F. Bonding Capacity:** Provide proof of bonding capacity for this project including CM/GC fees along with current and anticipated project workloads.
- G. References:** A minimum of five (5) **references** that can attest to your experience in projects of similar scope and size. **Please also summarize the projects completed with these references including** Client Name, Address, Contact Person, Telephone, Email Address, Project Dates, Project Description, Original Project Budget, Final Project Cost, Pictures, and Explanation of variation from original budget to final project cost.
- H. Fee Proposal:** The construction duration for this project will be determined during the course of design and the development of the "Construction Logistics Plan

Contractor shall submit pricing as follows: Not to Exceed Price for all Pre-Construction Works for this project; and % of OH&P for Construction Works for this project; and Not to Exceed Price for all General Conditions. The Owner intends to establish a Guaranteed Maximum Price for the construction portion of this project. Include the following:

1. Fee & Pre-Construction Works

The CM/GC fee shall be all inclusive, and include all job indirect costs, home office overhead and profit, including, but not limited, to the following:

- a Salaries benefits and taxes or other compensation of the CM/GC's employees at the principal office and branch offices.
- b General operating expenses of the CM/GC's principal and branch offices other than the field office.
- c Any part of the CM/GC's capital expenses, including interest on the CM/GC's capital employed for the Project.

- d Overhead or general expenses of any kind.
- e Salaries of the CM/GC's principal(s) or branch office employees when at the field office in whatever capacity employed and such employees when engaged on the road in expediting the production or transportation of materials and equipment.
- f Cost of data processing Works required in the performance of the Work.
- g Cost of the premium for all insurance which the CM/GC is required to procure by this Agreement or is deemed necessary by the CM/GC.
- h Minor expenses such as facsimile messages, telegrams, long distance telephone calls, express mailing and similar petty cash items in connection with Pre-construction and/or the Construction Works.
- i Normal business expenses – payroll, consultants, materials, phone, postage, etc. Cost of insurance. In-house computer time and Work. Word processing, accounting, and person-hour records. Permits and license fees. Mileage. Travel fees, room and board, per diem. Printing costs. Film and procession. Overtime. Any additional survey work. Additional required Works.
- j Assume a minimum of 2 In-Person Partnering Sessions attended by at least Project Manager & Superintendent. All other bi-weekly project meetings may be attended virtually. Additionally, assume a minimum of 3 in-person project review workshops, or site visits.

2. General Conditions

The CM/GC General Conditions shall include all job direct onsite management costs including, but not limited, to the following:

- a Onsite Staff – Project Manager, Project Superintendent, Assistant Superintendent(s), Office/Field Engineers, Field Inspectors, Secretary and all staff necessary to complete all tasks required. All onsite employees of the CM/GC with the exception of self-performed work authorized by the City and bid in accordance with this agreement, shall be considered staff and shall be identified within the General Conditions and not part of the “Direct Cost of the Work”.
- b Onsite Equipment and office expenses – personal computers, copy machine, fax machine, first aid supplies, office or trailer rental (including moving costs), storage trailer, telephones, generators (for CM/GC’s office), radios and office furniture, facsimile messages, telegrams, long distance telephone calls and mailings.
- c Onsite Works – temporary toilets, project sign, bulletin boards, street / walk / parking lot cleaning / snow removal and trash removal.
- d Onsite Utilities – temporary enclosures / weather protection, temporary building heat, temporary electrical Work, temporary gas and power charges and temporary water.
- e Safety – safety programs, handrails and toe boards, fire extinguishers and general fire protection, temporary stairs, construction fencing and covered walkways.
- f Insurance and Bonds – errors and omissions, general liability, workers’ compensation, FICA, federal and state unemployment and performance and payment bonds and builder’s risk.
- g Miscellaneous – project photographs, warranty inspection and coordination, jobsite construction fencing, storage or tool trailers, protection of open space, etc., construction sign and on-site construction signage, jobsite communications (radios, etc.), mailing and shipping of shop drawings, samples, etc., snow and ice removal (specify amount or use an allowance), security costs, final clean-up, assistance in start-up and owner orientation for all building systems, preparation, issuance to owner of record drawings (red-lined as-built drawings) for use by the architect (and engineers) to complete final as-built

drawings and required Operating and Maintenance manuals, small tool allowance, safety and safety manager, dust control, scaffolding, temporary heat, travel, per diem, punch list and project close-out.

- h Transportation, lodging, per diem in accordance with the GSA rates.
- i Temporary job site communications including radios, telephones, and internet.
- j Safety items including PPE, First Aid, Fire Protection, Confined Space controls, and Fall Protection

- I. **Legal Proceedings/Lawsuits:** State any and all legal proceedings, and or lawsuits you Contractor has been involved with in the last 3 years, is currently involved with, and/or has pending. Describe the reason for each instance, and the outcome.
- J. **Additional Data (optional):** Provide any additional information that will aid in evaluation of your qualifications with respect to this project.
- K. **Financial Statements:** If selected as the preferred Offeror, Owner may require Offeror to provide an audited financial statement, as prepared by a certified public accountant, for their prior fiscal year, consisting of a balance sheet, profit and loss statement and such other financial statements as may be appropriate, which shall demonstrate that the Offeror possesses adequate financial ability and stability to enable the Offeror to fulfill their obligations under the terms of this RFP. If requested by the Offeror, such information shall be treated as confidential by the Owner and shall not be subject to public disclosure. These documents must depict the financial status of that entity, subsidiary, division, or subdivision thereof, which will actually provide Works. If the Offeror is a partnership or joint venture, individual financial statements must be submitted for each general partner or joint venture thereof. Consolidated balance sheets and profit/loss statements depicting the financial status of a Parent Corporation or joint venture shall not be considered an acceptable response.

Section 6.0. Evaluation Criteria and Factors

- 6.1 Evaluation:** An evaluation team shall review all responses and select the proposal or proposals that best demonstrate the capability in all aspects to perform the scope of Works and possess the integrity and reliability that will ensure good faith performance.
- 6.2 Intent:** Only respondents who meet the qualification criteria will be considered. Therefore, it is imperative that the submitted proposal clearly indicate the Contractor's ability to provide the Work described herein.

Submittal evaluations will be made in accordance with the criteria and procedure defined herein. The Owner reserves the right to reject any and all portions of proposals and take into consideration past performance. The following parameters will be used to evaluate the submittals **(with weighted values)**:

The following collective criteria shall be worth 85%
--

- | |
|--|
| <ul style="list-style-type: none">• Responsiveness of Submittal to the RFP (5)
(Contractor has submitted a proposal that is fully comprehensive, inclusive, and conforms in all respects to the Request for Proposals (RFP) and all of its requirements, including all forms and substance.)• Understanding of the Project and Objectives (15)
(Contractor's ability to demonstrate a thorough understanding of the City's goals pertaining to this specific project.)• Experience (30)
(Contractor's proven proficiency in the successful completion of similar projects.)• Strategy & Implementation Plan (35)
(Contractor has provided a clear interpretation of the City's objectives in regard to the project, and a fully comprehensive plan to achieve successful completion. See Section 5.0 Item C. – Strategy and Implementation Plan for details.) |
|--|

The following criteria shall be worth 15%

- | |
|--|
| <ul style="list-style-type: none">• Fees (15) |
|--|

Owner also reserves the right to take into consideration past performance of previous awards/contracts with the Owner of any vendor, contractor, supplier, or Work provider in determining final award(s).

The Owner will undertake negotiations with the top-rated Contractor and will not negotiate with lower rated Contractors unless negotiations with higher rated Contractors have been unsuccessful and terminated.

- 6.3 Oral Interviews:** The Owner may invite the most qualified rated Offerors to participate in oral interviews. The schedule for this is described above.
- 6.4 Award:** Contractors shall be ranked or disqualified based on the criteria listed in Section 6.2. The Owner reserves the right to consider all the information submitted and/or oral presentations, if required, in selecting the project Contractor.

Section 7.0. Solicitation Response Form

Bid Date: _____

Project: RFP-5656-25-DD "Juniata Dam Outlet Replacement CM/GC"

Bidding Company: _____

Name of Authorized Agent: _____

Email _____

Telephone _____ **Address** _____

City _____ **State** _____ **Zip** _____

The undersigned Bidder, in compliance with the Request for Proposals, having examined the Instruction to Bidders, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Solicitation Response Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a proposal for the purpose of restricting competition.
- The individual signing this proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-903544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of _____ percent of the net dollar will be offered to the Owner if the invoice is paid within _____ days after the receipt of the invoice.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Scope of Works, and other Contract Documents.

State number of Addenda received: _____.

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: _____

Authorized Signature: _____

Title: _____

COST/PRICING PROPOSAL FORM
RFP-5656-25-DD "Juniata Dam Outlet Replacement CM/GC"

Date: _____

**CM/GC Cost/Pricing proposal shall be based upon a \$1,200,000.00
construction cost.**

- | | | |
|---|-----------|--|
| 1. CM/GC Pre-Construction Works Fee (Not-to-Exceed) | \$ | |
| 2. CM/GC Construction Works Fee (OH&P)
<u>(provide in both % and \$)</u> | %_____ \$ | |
| 3. General Conditions (Not-to-Exceed) | \$ | |
| Total CM/GC Fee | \$ | |

Total CM/GC Fee Written:

Please provide a detailed breakdown to adequately describe the CM/GC Works and associated anticipated reimbursable costs so as to demonstrate as complete an understanding as possible of the Works provided.

Proposal must include all billing rates inclusive of allowable markups and details of General Conditions.

Company: _____

Authorized Signature: _____

Title: _____



AECOM
804 Colorado Avenue
Glenwood Springs, CO 81601
aecom.com

Project name:
Juniata Dam Outlet Replacement

Project ref:
AECOM Project No.: 60741840

From:
AECOM

Date:
March 31, 2025

To:
City of Grand Junction
333 West Avenue, Building E
Grand Junction, CO 81501

CC:

DRAFT

Memo

Subject: 30% Design

1. Introduction and Background Information

The Juniata Dam Outlet Replacement project is being completed by the City of Grand Junction, Colorado (City) to replace the upstream pipework and intakes for the low level and mid-level outlets of Juniata Dam. In recent years, inspection of the low-level outlet pipe detected leakage into the upstream end of the pipe. The location of the leakage has been identified near the upstream wye and it has been decided to remove and replace this section of the pipe to upgrade the low-level outlet and to improve the safety of the dam. The inlet structure (comprising of a concrete headwall, inlet gates and trash rack) will be removed and replaced with a single inlet pipe and new inlet structure. The mid-level inlet structure and upstream section of pipe will also be replaced following a discussion with the City during the 30% Design call on January 22, 2025.

The following memorandum presents a summary of the design for the Juniata outlet replacement.

1.1 Existing Conditions

Juniata Dam is located in Mesa County, Colorado approximately 21 miles southeast of Grand Junction, Colorado. The dam is owned and operated by the City of Grand Junction. The reservoir is used as the terminal storage for the water supply system for the City. The Colorado State Engineer's Office (SEO) classifies the dam as a large, high-hazard structure.

The exact date that Juniata Dam was originally constructed is unknown, but was constructed circa 1940. The dam has been raised twice, once in 1954 and again in 1978. The 1978 dam raise included construction on both the upstream and downstream faces and required extending the low-level outlet pipe and a new intake structure as well as the mid-level intake structure and outlet (Figure 1-1).

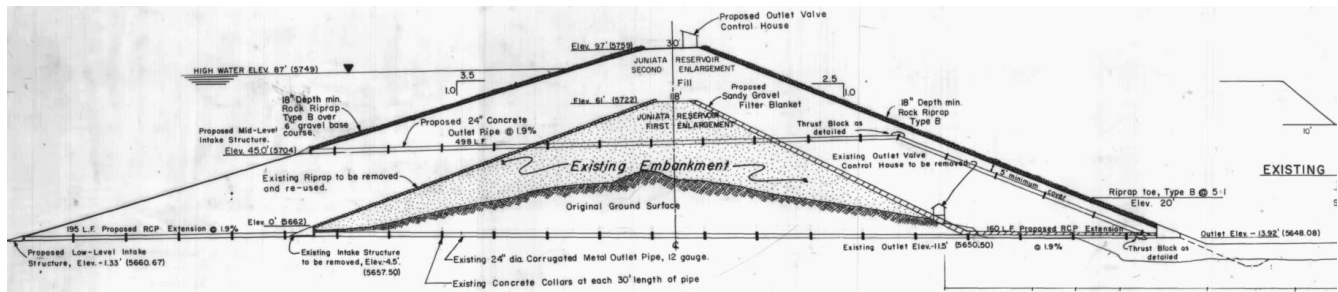


Figure 1-1 1978 Dam Raise Section at Outlet

Additional construction and improvement projects were completed in 1987, 2002, 2019 and 2021. The 1987 construction comprised lining of the low level and mid-level with new polyethylene pipes.

2. Outlet Replacement Design Summary

The low level and mid-level replacement (Figure 2-1) comprises the following:

- Excavation of the embankment to expose the existing outlet pipe from the existing intake structure downstream beyond the existing concrete encasement to expose the original reinforced concrete pipe (RCP).
- Demolish and dispose of the existing intake structure and concrete encasement taking care not to damage the original RCP pipe.
- Demolish and dispose of existing polyethylene pipe upstream from existing RCP, leaving a minimum of 2 feet of existing polyethylene pipe exposed.
- Salvage the existing trashracks and hydraulic slide gates for reuse or future use by the City.
- Excavate and demolish the existing air vent pipes and hydraulic lines.
- Construction of new reinforced concrete intake structure with trashracks and single hydraulically operated slide gate.
- New steel outlet pipe length from the intake structure downstream to the existing polyethylene pipe lining. The steel pipe will include a transitional section, reducing the pipe size from the new enlarged hydraulic gate to the existing polyethylene pipe diameter. A bolted flange connection will join the new steel and polyethylene pipes.
- Reinforced concrete pipe encasement from the intake structure downstream to the existing RCP to fully encase the new pipe length and connection to existing polyethylene pipe.
- Reinforced concrete grade beam from intake structure to crest with stainless steel air vent and stainless steel hydraulic lines embedded in concrete.

The low level and mid-level replacements are similar with the key differences being:

- The inside diameter (ID) of the low level and mid-level polyethylene pipe lining are different diameters (14.7 inches and 18.7 inches, respectively).
- The embankment slope above the mid-level outlet has riprap placed against the slope.

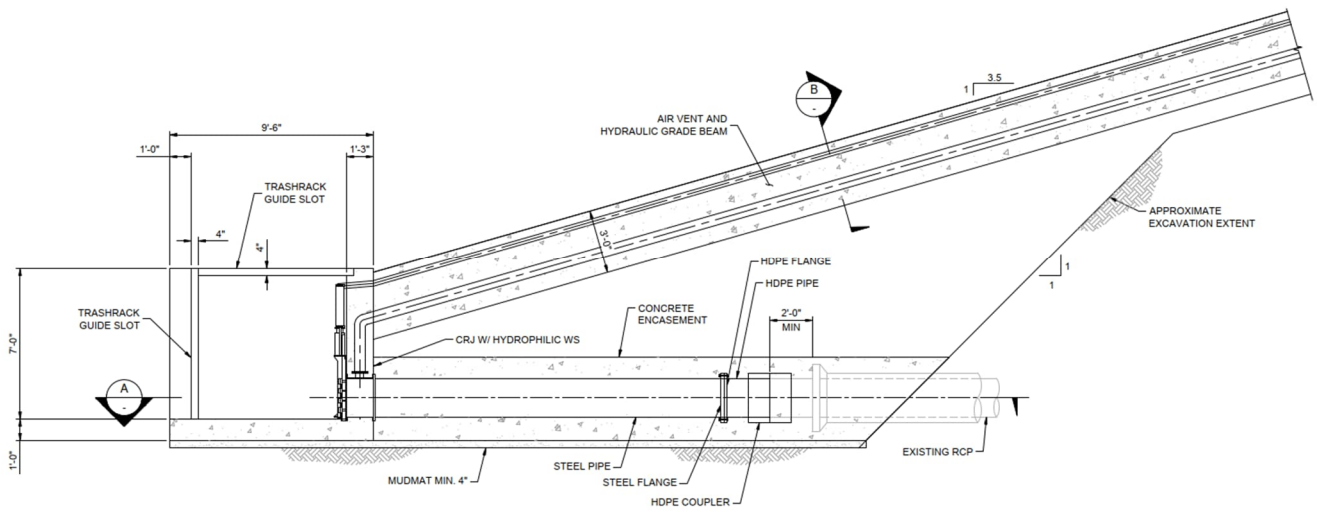


Figure 2-1 Outlet Works Profile

The 30% Design Drawings and 30% Engineers' opinion of probably construction costs (OPCC) are included in Appendix A & Appendix B.

Appendix A - 30% Drawings

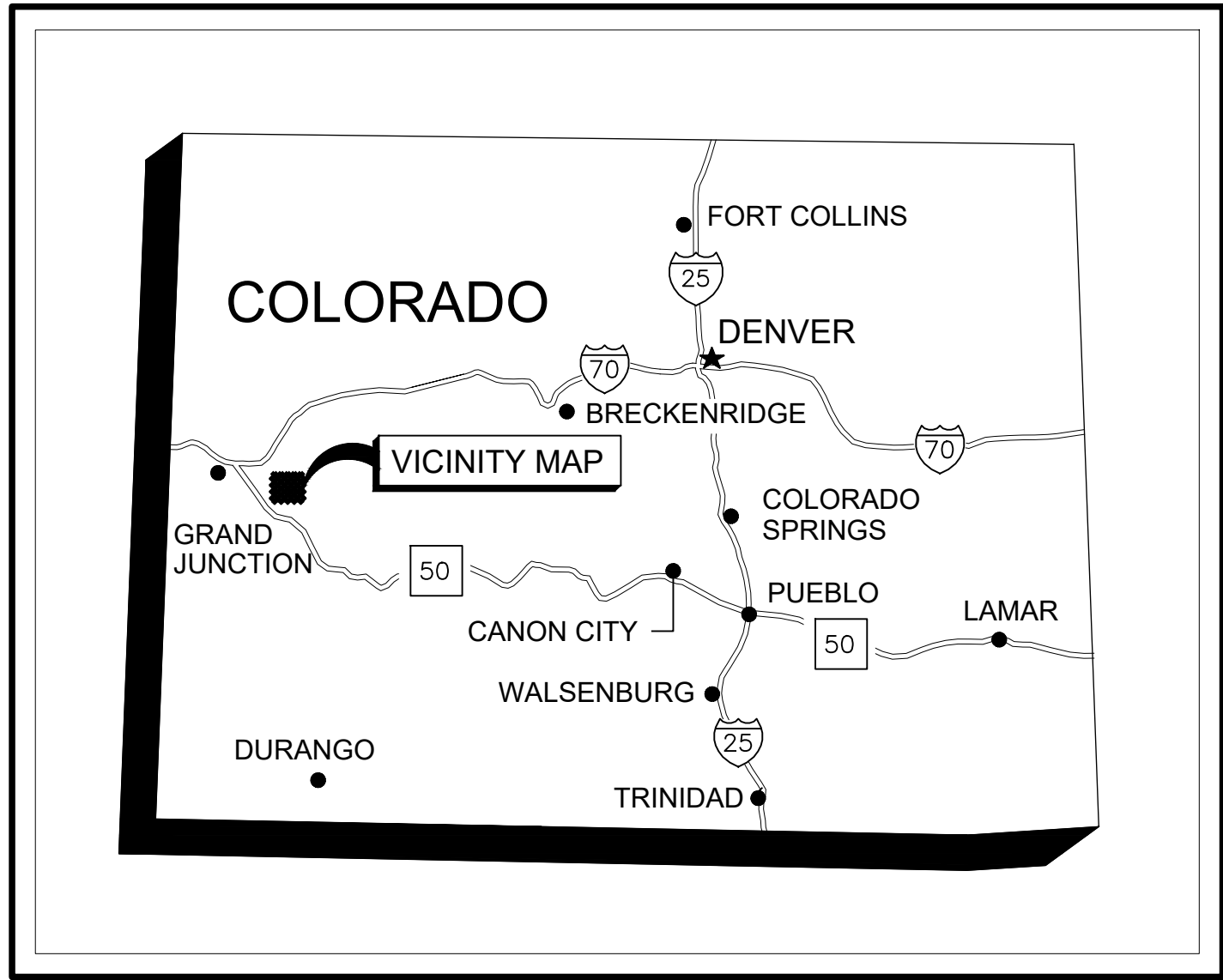
CITY OF GRAND JUNCTION JUNIATA DAM OUTLET REPLACEMENT

PREPARED FOR
MESA COUNTY, COLORADO
WATER DIVISION 4, WATER DISTRICT 42, DAM ID. 420128
SEO PROJECT # C-XXXX

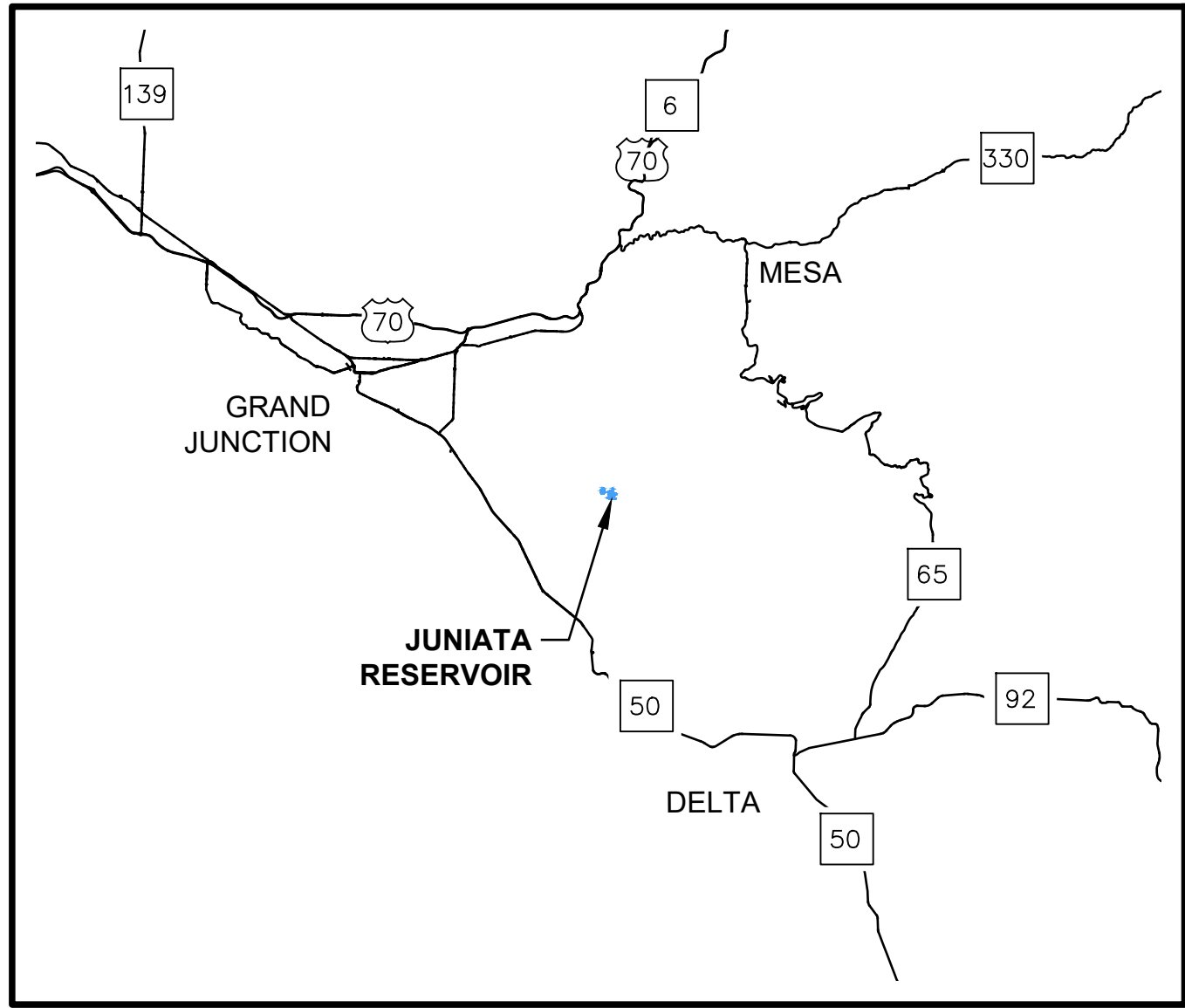
PREPARED BY



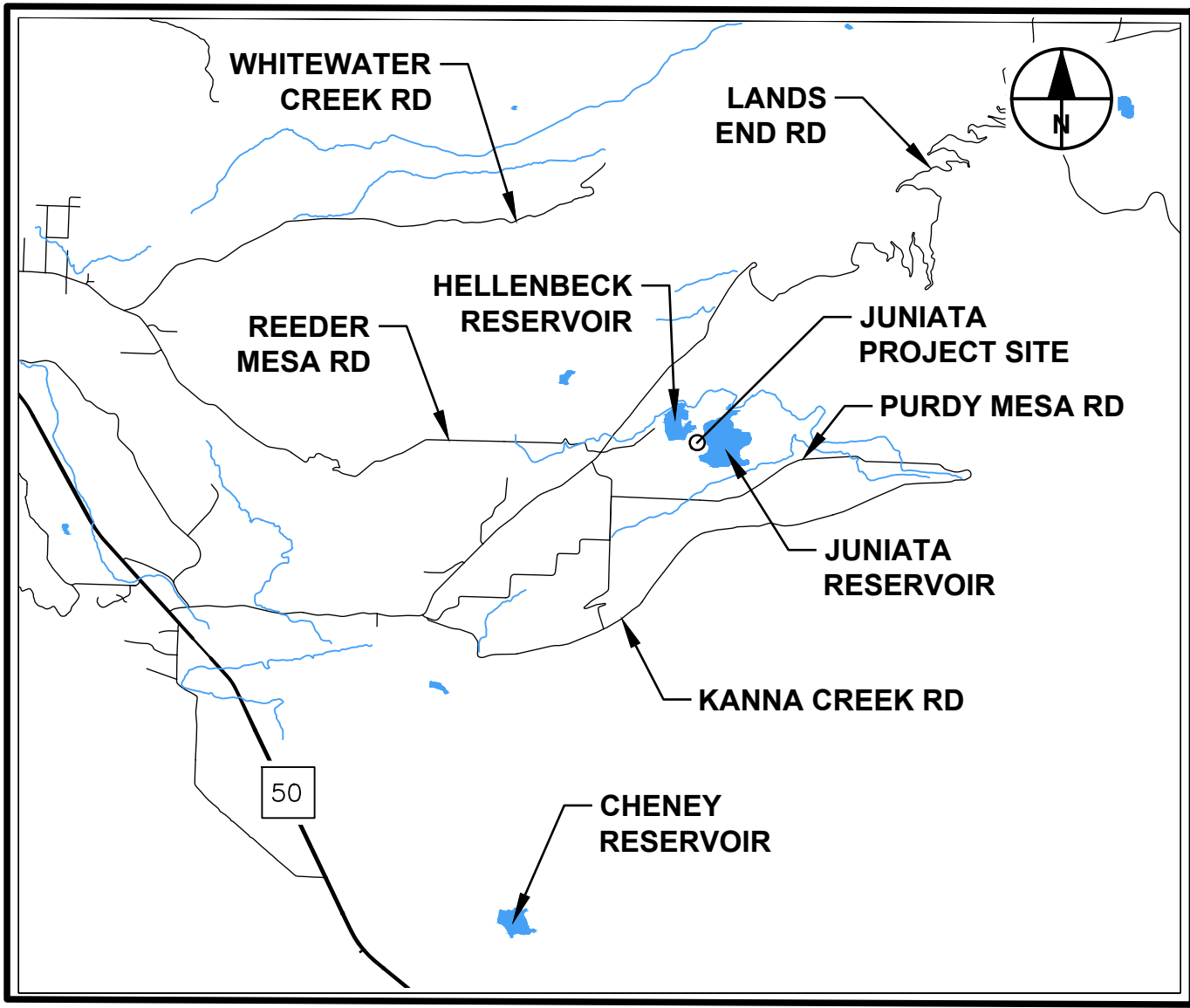
APRIL 01, 2025



STATE MAP



LOCATION MAP



VICINITY MAP

COLORADO PROFESSIONAL ENGINEER CERTIFICATION

THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

BY: _____

COLORADO P.E. NO. _____

STATE ENGINEER APPROVAL

APPROVED ON THE X DAY OF X , 20 X .

STATE ENGINEER

STATE ENGINEER

BY: _____

CHIEF, COLORADO DAM SAFETY

COLORADO P.E. NO. _____

ENGINEER OF RECORD

THESE PLANS REPRESENT THE AS-CONSTRUCTED CONDITIONS OF RITO HONDO DAM SEEPAGE REMEDIATION PROJECT TO THE BEST OF MY KNOWLEDGE AND JUDGEMENT, BASED ON INFORMATION FURNISHED BY OTHERS, AS OF THE

____ DAY OF _____, 20____.

BY: _____

COLORADO P.E. NO. _____

30% DESIGN
NOT FOR CONSTRUCTION



PROJECT

JUNIATA DAM OUTLET
REPLACEMENT

CLIENT

CITY OF GRAND
JUNCTION

333 WEST AVENUE, BUILDING E
GRAND JUNCTION, CO 81501

CONSULTANT

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A	04/01/2025	30% DESIGN
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60741840

SHEET TITLE

COVER

SHEET NUMBER

1

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER
2	DRAWING INDEX, LEGEND AND ABBREVIATIONS
3	STRUCTURAL NOTES
4	EXISTING CONDITIONS
5	EXCAVATION AND DEMO
6	LOW-LEVEL OUTLET WORKS
7	MID-LEVEL OUTLET WORKS

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
CMP	CORRUGATED METAL PIPE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR
CRJ	CONTRACTION JOINT
CTR	CENTER/CENTERED
DIA, Ø	DIAMETER
EF	EACH FACE
EP	END POINT
EQ	EQUAL
HDPE	HIGH DENSITY POLYETHYLENE
ID	INSIDE DIAMETER
INV	INVERT
Le	EMBEDMENT LENGTH
MAX	MAXIMUM
MIN	MINIMUM
NO	NUMBER
RCP	REINFORCED CONCRETE PIPE
SPC	SPACING
SS	STAINLESS STEEL
TYP	TYPICAL
V	VERTICAL
W	WITH
WS	WATERSTOP

PROPOSED LEGEND

The diagram illustrates five standard symbols used in civil engineering drawings:

- Water Flow Direction:** A horizontal line with an arrow pointing to the left, indicating the direction of water flow.
- Cross Section Location:** A circle with a triangle on top. The triangle is divided into two parts: the top part is labeled 'B' and the bottom part is labeled 'C6'. This symbol indicates the location of a cross-section.
- Detail Location:** A circle with a triangle on top. The triangle is divided into two parts: the top part is labeled '1' and the bottom part is labeled 'C7'. A dashed line extends from the triangle, indicating the location of a detail.
- Water Surface:** A horizontal line with a small triangle on top, representing the water surface.
- Concrete:** A rectangular area filled with a stippled pattern, representing concrete.

EXISTING LEGEND

———— 1100 ———— SURFACE MAJOR CONTOUR



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PROJECT

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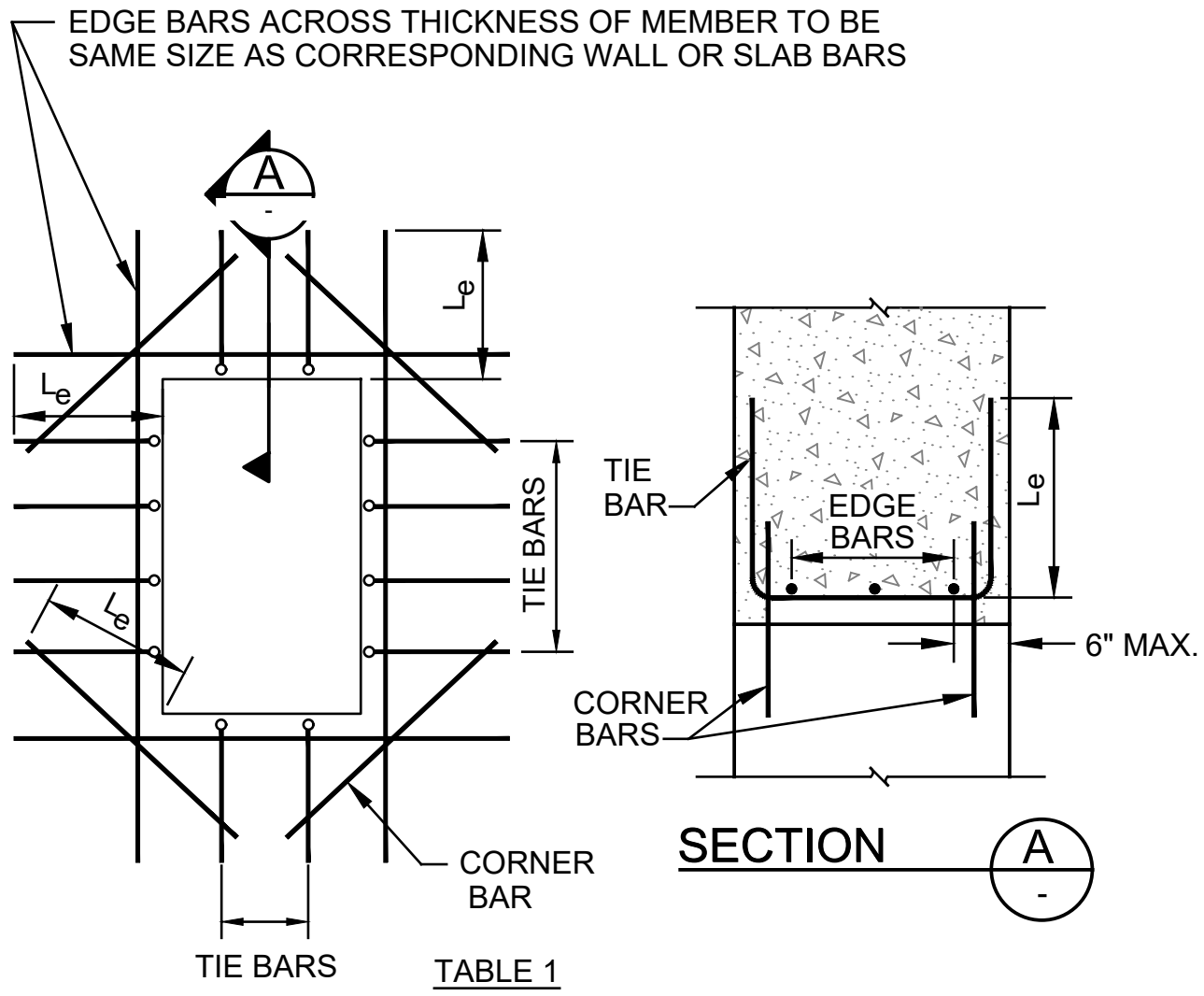
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SHEET TITLE

DRAWING INDEX, LEGEND AND ABBREVIATIONS

SHEET NUMBER

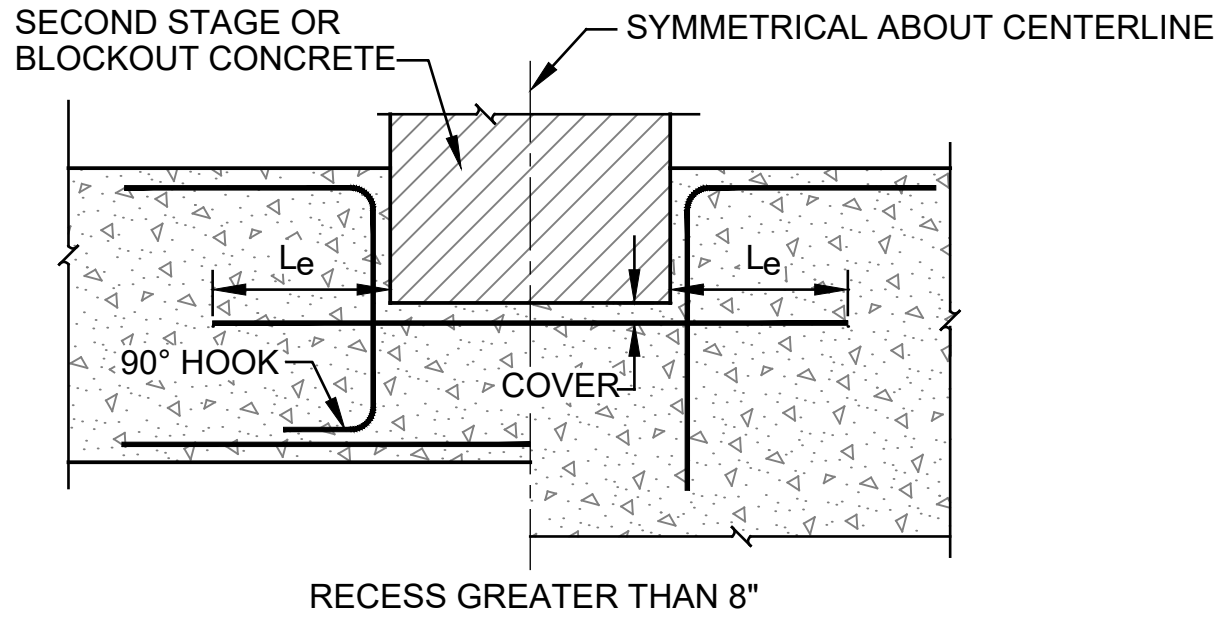
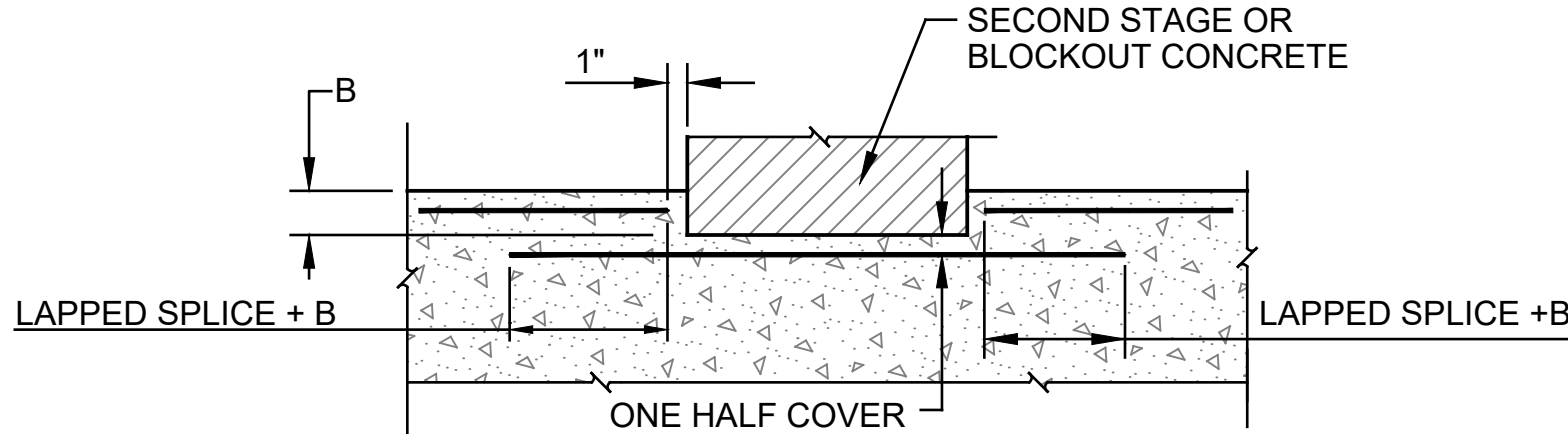
2



ADDITIONAL REINFORCEMENT AROUND OPENINGS

TABLE FOR REINFORCEMENT AROUND OPENINGS			
MEMBER THICKNESS	TIE BAR	EDGE BARS	CORNER BARS
LESS THAN 10"	NONE	1-CTR.	1-#4 CTR.
10" THRU 1'-6"	NONE	2-(1-EF)	2-#4 (1EF)
1'-7" THRU 3'-0"	#4 @1'-0"	3-EQ. SPC.	2-#6 (1EF)
OVER 3'-0"	#6 @1'-0"	SPC.@1'-0"	2-#8 (1EF)

- OMIT EDGE BARS AND TIE BARS ALONG SIDES OF OPENINGS WHERE DIMENSION IS LESS THAN 18".
- OMIT CORNER BARS AT SIDES OF OPENINGS ADJACENT TO FLOORS,WALLS, OR BEAMS.
- CORNER BARS REQUIRED IF EITHER DIMENSION OF OPENING IS GREATER THAN 18".
- USE CORNER BARS IN FACE OF RECESSES DEEPER THAN 4" IF EITHER DIMENSION OF RECESS IS GREATER THAN 8".



TYPICAL BLOCKOUT RECESS OR OFFSET DETAILS

GENERAL NOTE

- UNLESS OTHERWISE SHOWN ON THE REINFORCEMENT DESIGN DRAWINGS, THE DETAILS AND NOTES SHOWN ON THIS DRAWING ARE TYPICAL FOR ALL REINFORCEMENT DRAWINGS.

SYMBOLS

- AN OPEN CIRCLE AT THE END OF A BAR INDICATES A BEND WITH THE BAR TURNED AWAY FROM THE OBSERVER.
- A CLOSED CIRCLE AT THE END OF A BAR INDICATES A BEND WITH THE BAR TURNED TOWARDS THE OBSERVER.
- SPLICES SHOWN THUS INDICATE A LAPPED SPLICE, NOT A BEND IN THE BAR.

DIMENSIONS

DIMENSIONS ARE TO THE CENTERLINE OF THE BARS UNLESS OTHERWISE SHOWN. CLEAR COVER DIMENSIONS ARE MARKED "CLR".

BENT BARS:

UNLESS OTHER RADIUS BENDS ARE INDICATED ON THE DRAWINGS, ALL REINFORCEMENT REQUIRING BENDING SHALL BE BENT AROUND A PIN HAVING THE FOLLOWING DIAMETER:

TABLE 2 PIN DIAMETER IN INCHES									
BAR NO.	3	4	5	6	7	8	9	10	11
STANDARD BENDS	2 1/4	3	3 3/4	4 1/2	5 1/4	6	9 1/2	10 3/4	12
STIRRUP AND TIE BENDS	1 1/2	2	2 1/2	4 1/2	5 1/4	6	-	-	-

REINFORCEMENT DOWELS:

DOWELS INDICATED ON THE DRAWING, SUCH AS #8 (Db), SHALL BE EMBEDDED A LENGTH EQUAL TO Le AND SHALL HAVE A PROJECTION EQUAL TO THAT REQUIRED FOR TOP SPLICING TO A BAR OF THE SAME DIAMETER.

ACCESSORIES:

BAR SUPPORTS, SPACERS, AND OTHER ACCESSORIES ARE NOT SHOWN ON THE DRAWINGS. THE RECOMMENDATIONS OF THE CURRENT ACI DETAILING MANUAL OR OTHER APPROVED SUPPORTING SYSTEM MAY BE USED.

REFERENCE CODE:

UNLESS OTHERWISE SHOWN FOLLOW THE RECOMMENDATIONS ESTABLISHED BY THE AMERICAN CONCRETE INSTITUTE'S "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315".

NOTES TO DETAILERS:

SPLICE LENGTHS SHOWN IN THE TABLES ON THIS DRAWING ARE FOR CLASS B SPLICES IN ACCORDANCE WITH ACI 350-20. SPLICES OR DEVELOPMENT LENGTHS OTHER THAN THOSE SHOWN IN THE TABLES MUST BE DETAILED ON THE REINFORCEMENT DESIGN DRAWINGS.

SPLICES:

THE MINIMUM LENGTH OF LAP FOR SPLICING PARALLEL BARS SHALL BE GIVEN IN THE APPLICABLE TABLE (TABLE 3). SPLICES SHALL BE STAGGERED TO GIVE 12 INCHES CLEAR BETWEEN ENDS OF ADJACENT SPLICES. BARS SPLICED BY NONCONTACT LAP SPLICES SHALL NOT BE SPACED TRANSVERSELY FARTHER APART THAN ONE-FIFTH THE REQUIRED LAP SPLICE LENGTH, NOR 6 IN. WHEN REINFORCING BARS OF DIFFERENT SIZE ARE TO BE SPLICED, THE LENGTHS OF LAP SHALL BE GOVERNED BY THE SMALLER DIAMETER BAR. SPLICES ARE TO BE MADE SO THAT THE REQUIRED CLEAR DISTANCES TO FACE OF CONCRETE CONCRETE WILL BE MAINTAINED.

TABLE 3 (SEE NOTE 1)

BAR SIZE #	MINIMUM** CLEAR BAR SPACING (INCHES)	EMBEDMENT LENGTH, L _e		CLASS B SPLICE LENGTH	
		OTHER BARS (INCHES)	TOP BAR* (INCHES)	OTHER BARS (INCHES)	TOP BAR* (INCHES)
3	2.5	12	12	16	19
4	3	12	15	16	19
5	4	15	19	20	26
6	4.5	18	23	24	32
7	5.5	25	33	33	43
8	6	29	38	38	50
9	7	36	46	46	60
10	8	44	57	57	74
11	8.5	53	68	68	89

* TOP BARS ARE HORIZONTAL BARS IN BEAMS AND SLABS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.

**WHEN THE MINIMUM CLEAR BAR SPACING IS MET, STAGGERING OF SPLICES IS NOT REQUIRED.

NOTES:

- THESE LENGTHS ARE BASED ON THE PROVISIONS OF ACI 350-20 CHAPTER 12 ASSUMING UNCOATED REINFORCEMENT WITH YIELD STRESS OF 60,000 PSI, NORMAL WEIGHT CONCRETE WITH 28-DAY COMPRESSIVE STRENGTH OF 4,500 PSI, CONCRETE COVER CONSISTENT WITH THE REQUIREMENTS OF THIS DRAWING, AND MINIMUM CENTER TO CENTER SPACING OF 6 d_b. CONDITIONS THAT ARE DIFFERENT FROM THOSE ASSUMED REQUIRE LONGER LAP LENGTHS CONSISTENT WITH ACI 350-20.

AECOM

PROJECT

JUNIATA DAM OUTLET REPLACEMENT

CLIENT

CITY OF GRAND JUNCTION

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GRAND JUNCTION, CO 81501

CONSULTANT

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SHEET TITLE

STRUCTURAL NOTES

SHEET NUMBER

3

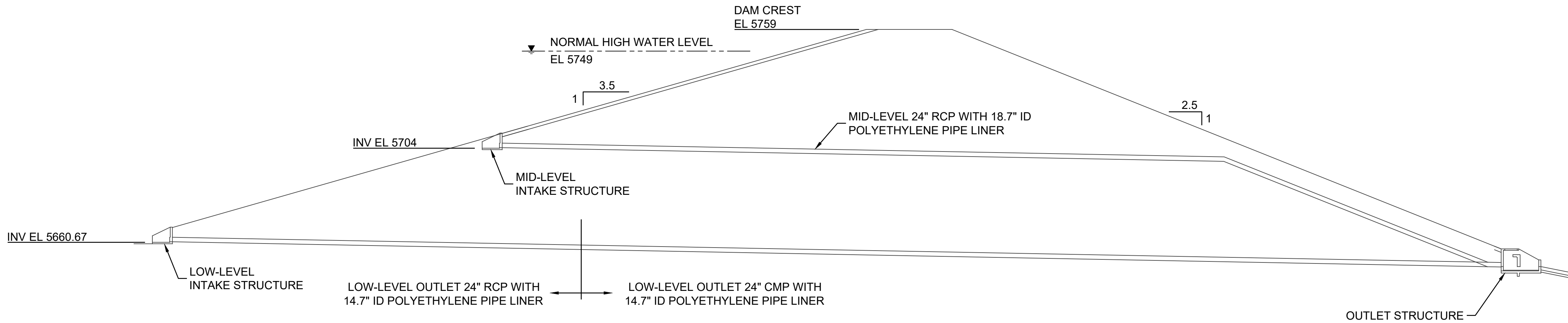
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Project Management Initials: _____ Designer: _____ Checked: _____ Approved: _____
 ANS I D 22" x 34"



PLAN
 SCALE: 1" = 100'



OUTLET WORKS PROFILE
 SCALE: 1" = 30'

NOTE:

1. ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO CONFIRM.

30% DESIGN
 NOT FOR CONSTRUCTION



PROJECT

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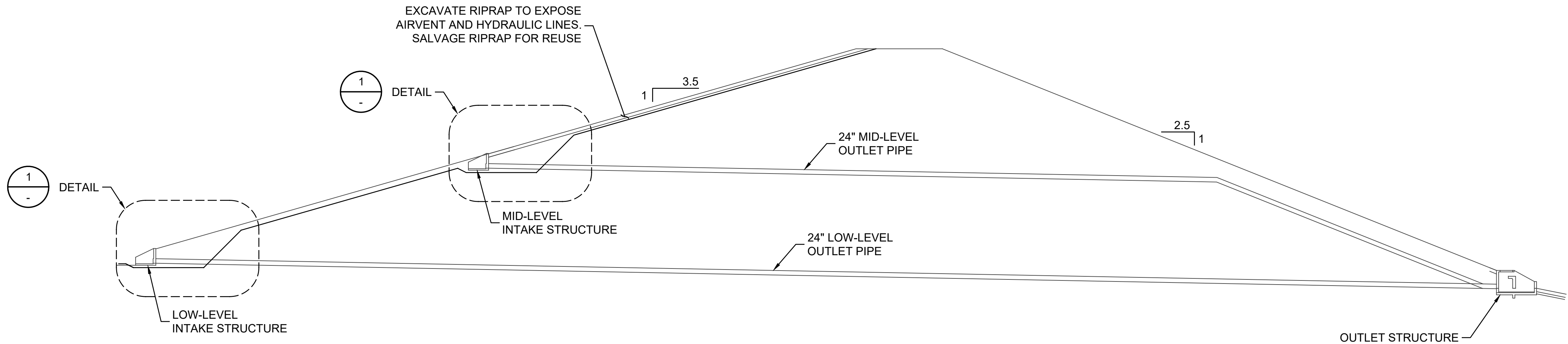
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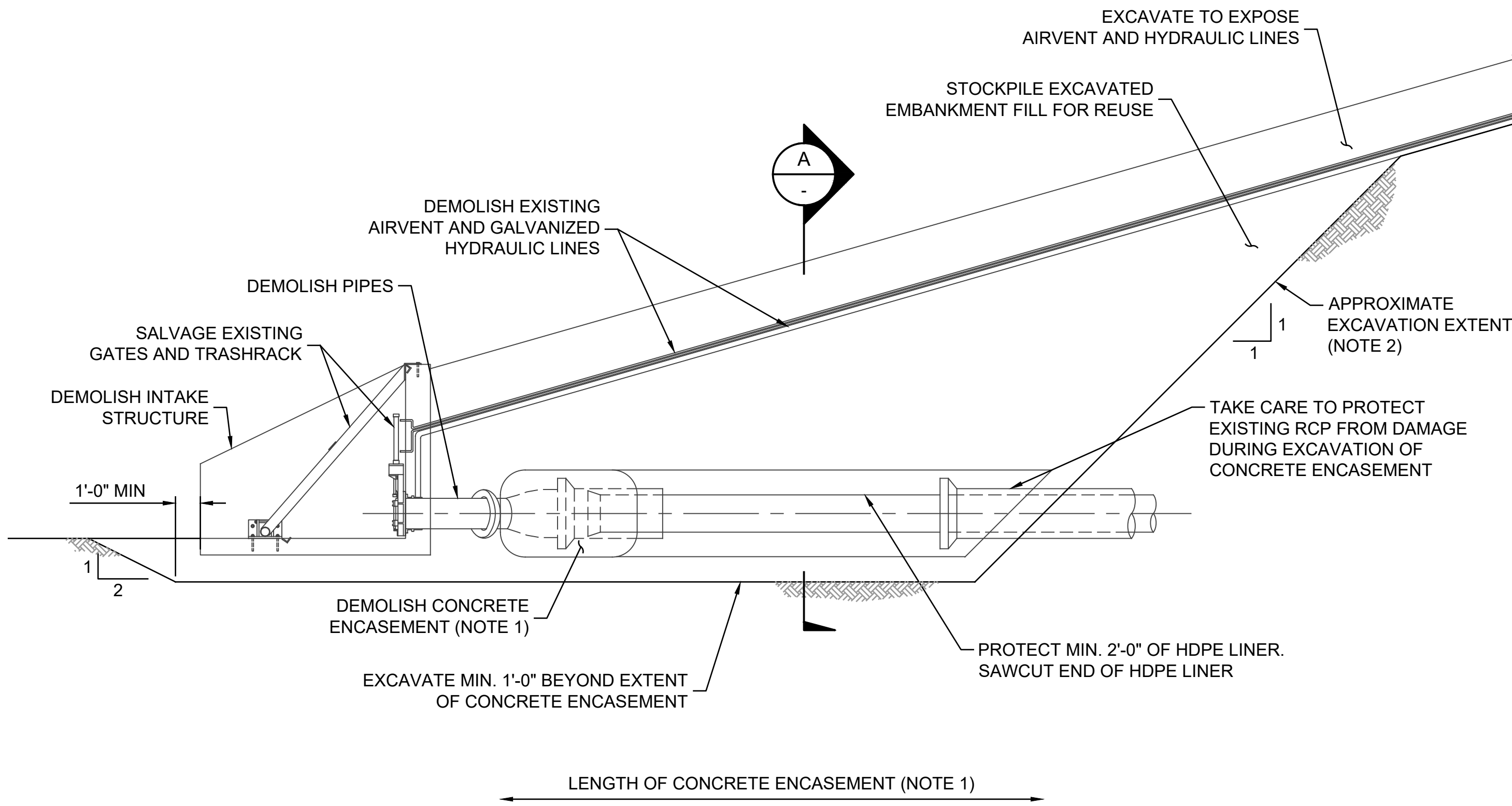
EXISTING CONDITIONS

SHEET NUMBER

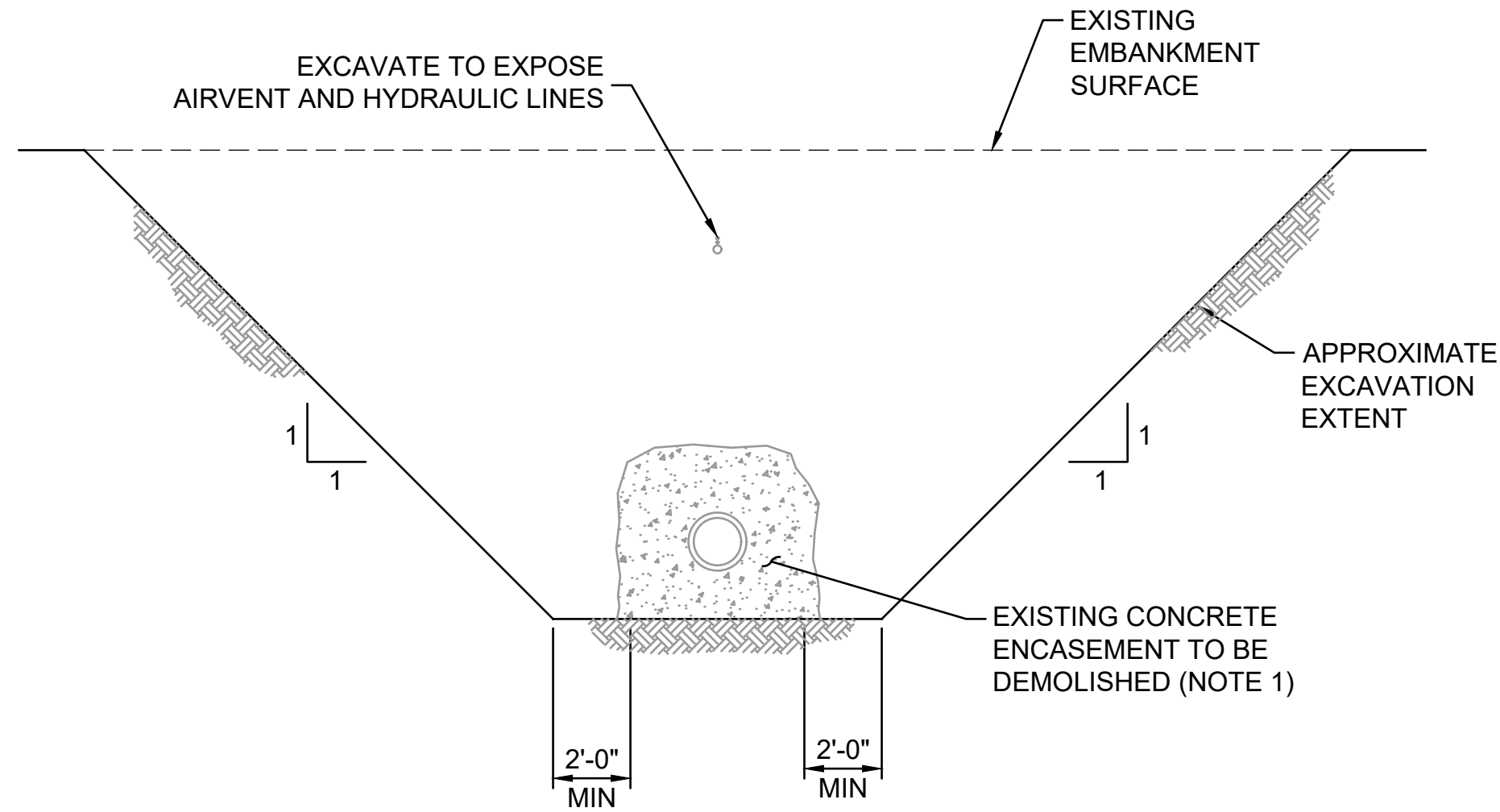
4



OUTLET WORKS PROFILE
SCALE: 1" = 30'



DETAIL
SCALE: 1/4" = 1'-0"



SECTION
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. EXTENT AND LENGTH OF CONCRETE ENCASEMENT IS UNKNOWN. ALL ENCASEMENT CONCRETE SHALL BE EXPOSED AND DEMOLISHED.
2. LIMITS OF EXCAVATION ARE APPROXIMATE AND DO NOT INCLUDE CONSIDERATIONS BY AND FOR THE CONTRACTOR. ACTUAL LIMITS WILL VARY AND WILL DEPEND ON LENGTH OF CONCRETE ENCASEMENT AND ARE TO BE DETERMINED BY THE CONTRACTOR IN CONSULTATION WITH THE ENGINEER.

30% DESIGN
NOT FOR CONSTRUCTION

PROJECT

JUNIATA DAM OUTLET REPLACEMENT

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REGISTRATION

ISSUE/REVISION

A	04/01/2025	30% DESIGN
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60741840

SHEET TITLE

EXCAVATION AND DEMO

SHEET NUMBER

5

VERIFY PRINTED SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET ADJUST SCALE ACCORDINGLY

ANSI D 22" x 34" Approved: Designer: Project Management Initials: JUNIATA DAM OUTLET REPLACEMENT LOW-LEVEL OUTLET WORKS DWG



PROJECT
JUNIATA DAM OUTLET
REPLACEMENT

CLIENT
CITY OF GRAND
JUNCTION
333 WEST AVENUE, BUILDING E
GRAND JUNCTION, CO 81501

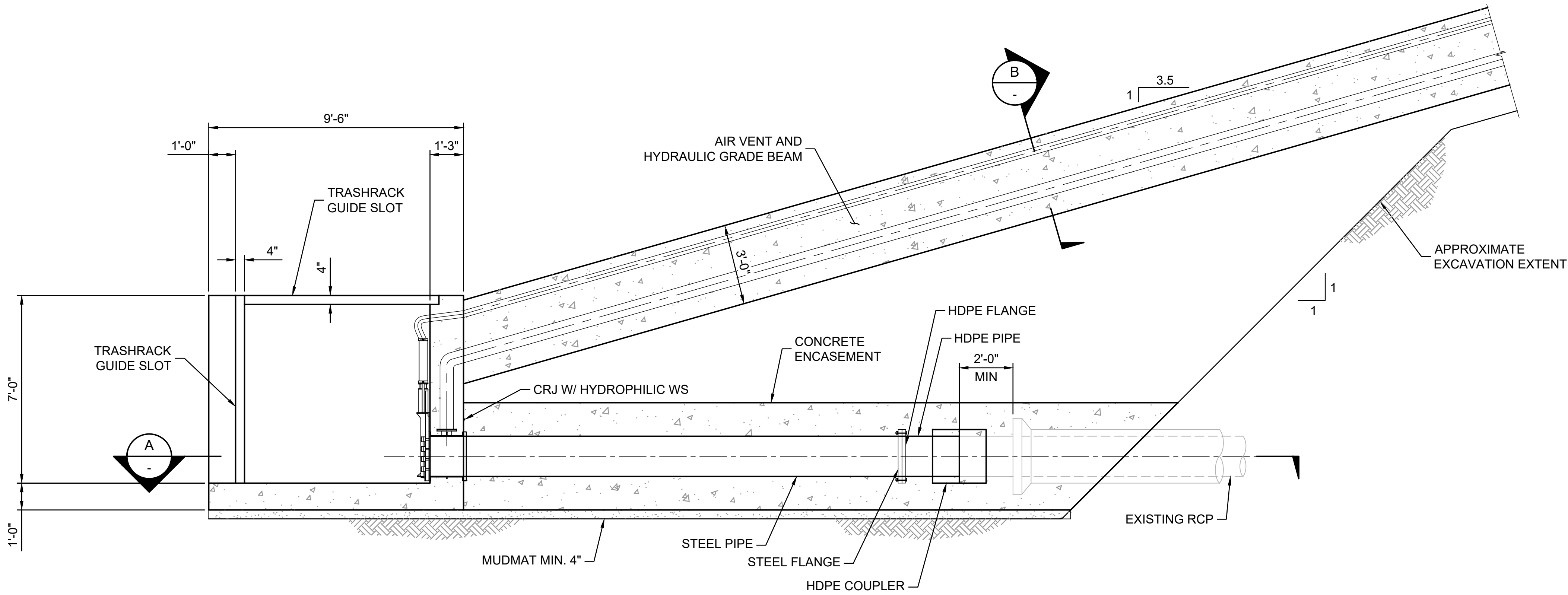
CONSULTANT
AECOM
7595 Technology Way
Suite 200
Denver, CO 80237
T 303.694.2770
www.aecom.com

REGISTRATION

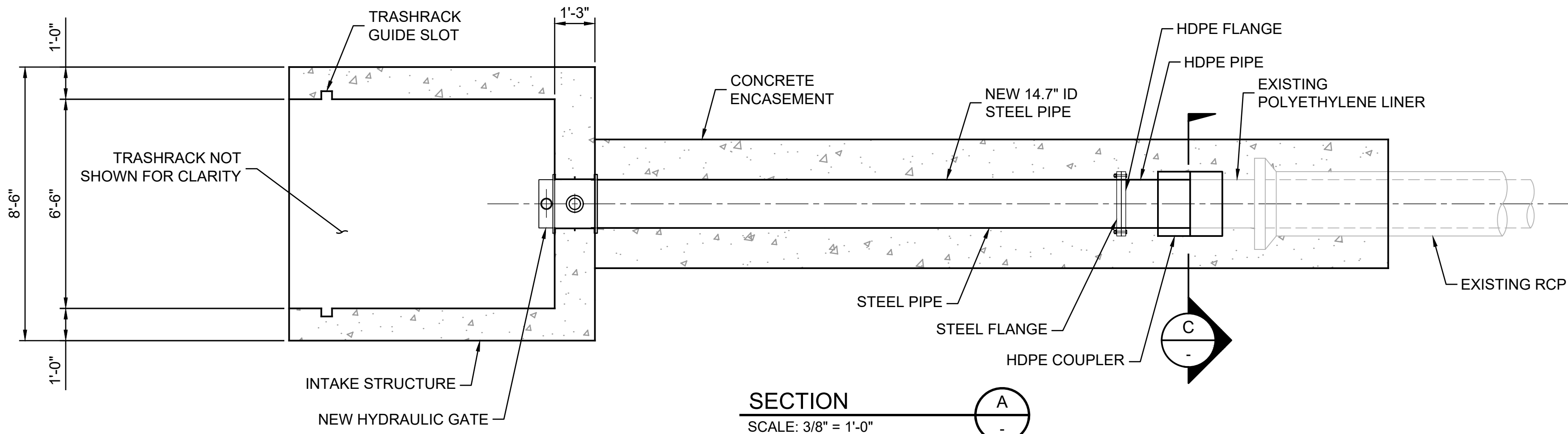
ISSUE/REVISION		
A	04/01/2025	30% DESIGN
I/R	DATE	DESCRIPTION

KEY PLAN

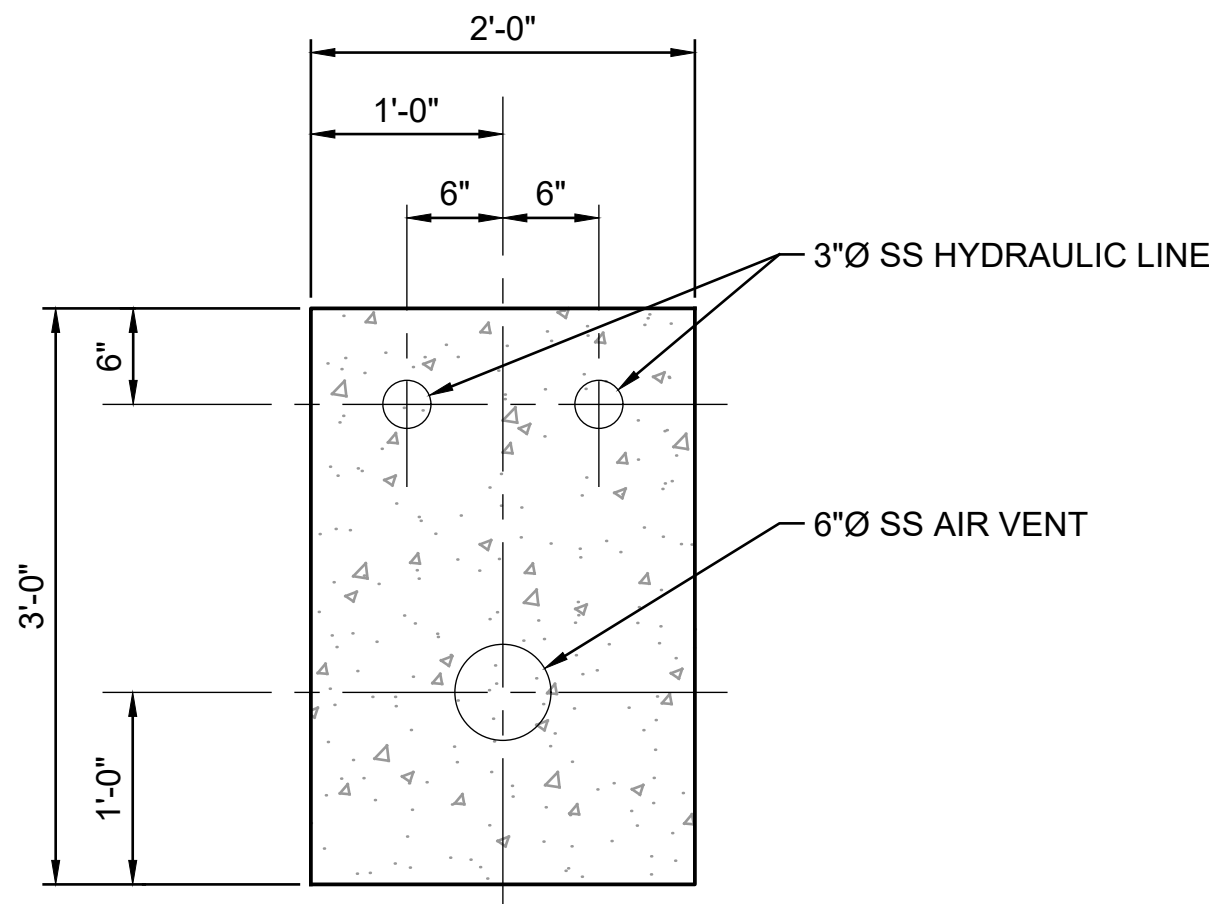
PROJECT NUMBER
60741840
SHEET TITLE
LOW-LEVEL OUTLET WORKS
SHEET NUMBER
6



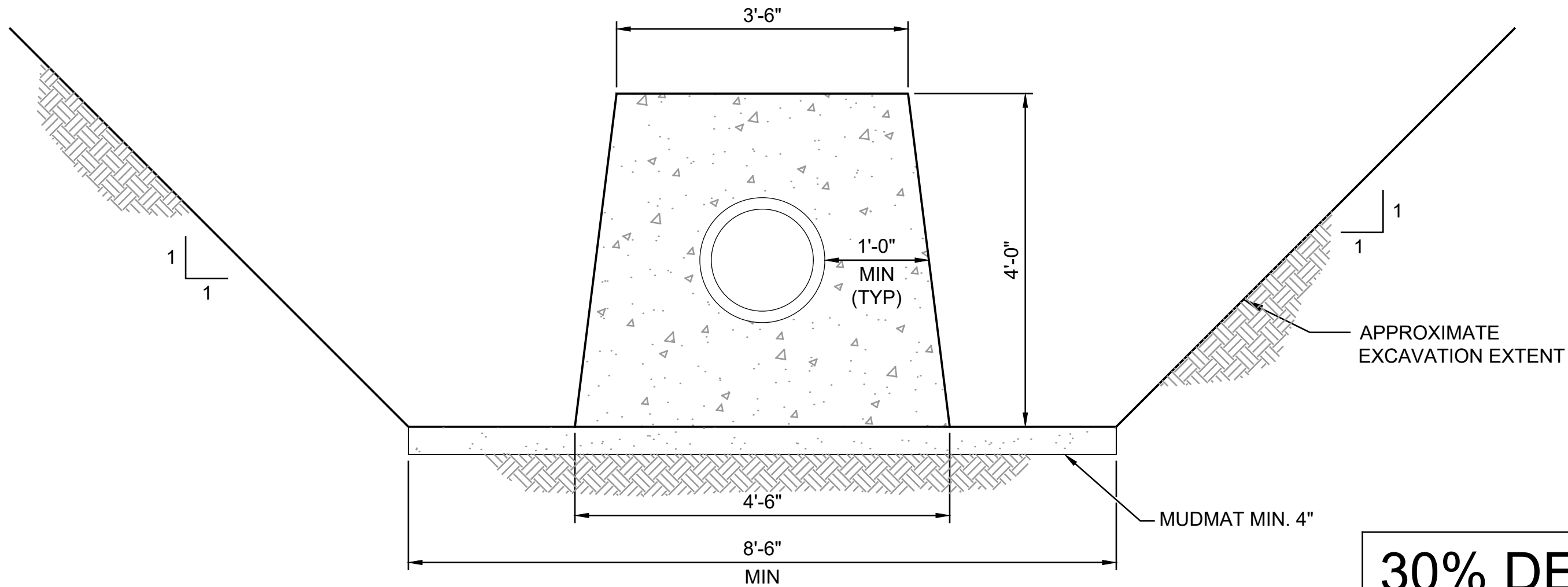
LOW-LEVEL OUTLET WORKS PROFILE
SCALE: 3/8" = 1'-0"



SECTION A
SCALE: 3/8" = 1'-0"



SECTION B
SCALE: 1" = 1'-0"



SECTION C
SCALE: 3/4" = 1'-0"

30% DESIGN
NOT FOR CONSTRUCTION

VERIFY PRINTED
SCALES

BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALE ACCORDINGLY

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NOT FOR CONSTRUCTION

RISK REGISTER



**City of Grand Junction
Construction Manager/General Contractor
(CM/GC) Services for Juniata Dam Outlet Replacement**

Grand Junction, Colorado

[illegible]