



## PROJECT MANUAL

October 25, 2023

### EISENMAN ROAD PEDESTRIAN IMPROVEMENTS

**BIDS DUE: NOVEMBER 15, 2023 3:00 P.M. local time**

#### OWNER'S REPRESENTATIVES / PROJECT CONSULTANTS

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**OWNER'S REPRESENTATIVE**

KASSI BROWN, PROJECT MANAGER  
CAPITAL CITY DEVELOPMENT CORP.  
121 N. 9<sup>TH</sup> STREET, SUITE 501  
BOISE, IDAHO 83702  
208-384-4264

**PROJECT ENGINEER**

COREY PEACOCK, P.E.  
CIVIL SURVEY CONSULTANTS, INC.  
2893 SOUTH MERIDIAN ROAD  
MERIDIAN, IDAHO 83642  
208-888-4312

**OWNER'S CONTRACTS MANAGER**

KATHY WANNER, CPPB  
CAPITAL CITY DEVELOPMENT CORP.  
121 N. 9<sup>TH</sup> STREET, SUITE 501  
BOISE, IDAHO 83702  
208-384-4264

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END OF SECTION 00 01 10

## SECTION 00 11 16 INVITATION TO BID

**October 25, 2023**

Capital City Development Corporation (CCDC) invites submission of sealed bids for the **EISENMAN ROAD PEDESTRIAN IMPROVEMENTS PROJECT**, in accordance with the formal bid process outlined in Idaho Code § 67-2805(2)(a). A Public Works Contractors License issued by the State of Idaho is required to bid on this work.

In accordance with the plans and specifications, the work shall consist of the construction of an attached and protected five-foot wide asphalt pathway along Eisenman Road, from E Blue Valley Lane to E Blue Sage Lane, with a new retaining wall with railing at Five Mile Creek.

Bids will be prepared per the specifications detailed within the Project Manual. The Project Manual and the Drawings are being made electronically available at the following locations:

- Capital City Development Corp., online at [www.ccdcboise.com](http://www.ccdcboise.com)
- Associated General Contractors, 1649 W. Shoreline Drive, Suite 100, Boise, ID 83702

Bids must be delivered **electronically** prior to 3:00 pm, **November 15, 2023** at this email address: [bids@ccdcboise.com](mailto:bids@ccdcboise.com). A public bid opening will be held live via ZOOM. Following the Bid Opening, the bid results will be posted on the CCDC website.

CCDC reserves the right to reject any and all proposals, to waive any irregularities in the proposals received, and to accept the proposal that is in the best interest of CCDC. The issuance of the Invitation to Bid and the receipt and evaluation of sealed bids does not obligate CCDC to award a contract. CCDC will pay no costs incurred by Bidders in responding to this Invitation to Bid. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

A **Pre-Bid Meeting** will be held via Zoom at 9:00 am on November 2, 2023. CCDC strongly recommends attendance by the Bidders.

CCDC appreciates your interest in meeting the needs of the Agency and the citizens of Boise.



Kathy Wanner | CPPB, Contracts Manager



END OF SECTION 00 11 16

## SECTION 00 21 13 INSTRUCTIONS TO BIDDERS

### 1. BID SUBMISSION

Please follow these instructions for submitting a sealed bid.

**DUE DATE: November 15, 2023** no later than 3:00 p.m. local time

#### a. Submit Bid by Email

The bid must be submitted electronically by email to: [bids@ccdcboise.com](mailto:bids@ccdcboise.com)

Please include this subject line on the email:

**“BID SUBMITTAL: Eisenman Road Pedestrian Improvements Project”**

All required bid submittal documents must be signed and dated and must be submitted via email either in one PDF or a separate PDF of each required document. Late or incomplete submittals will not be accepted; CCDC takes no responsibility for bids received late or incomplete in any way. Bidder assumes full responsibility for the timely submittal of all bid documents via the email process.

Bidder assumes full responsibility for the timely delivery of its bid to CCDC.

The Bidder will be responsible for all costs (including site visits where needed) incurred in preparing or responding to this bid invitation. All materials and documents submitted in response to this bid invitation become the property of CCDC and will not be returned.

#### b. Attend the Live Bid Opening

The Public Bid Opening will be held live via **ZOOM** on November 15, 2023 at 3:00 p.m. local time. Attendance is encouraged but not mandatory. Please log on to Zoom and join the meeting by entering the Meeting ID shown below.

Join Zoom Meeting

<https://ccdcboise.zoom.us/j/82234389409?pwd=UtyaHLjZ1qwF8RK894xLFaandhdOT0.1>

Meeting ID: 822 3438 9409

Passcode: 889239

---

One tap mobile

+17193594580,,82234389409#,,, \*889239# US

+12532050468,,82234389409#,,, \*889239# US

### 2. GENERAL CONDITIONS

#### 2.1 Intent of Bid/Proposal

It is the intent of this Invitation to Bid to define requirements in sufficient detail to secure comparable Bids. Bids shall be in accordance with Bid document requirements. Bids not conforming to the requested format or not in compliance with the specifications will be considered non-responsive.

CCDC reserves the right to act in the public best interest and in furtherance of the purposes of the Idaho Code Title 50, Chapter 20 (Idaho Urban Renewal Law) and Idaho Code Title 67,

Chapter 28 (Purchasing by Political Subdivisions). CCDC reserves the right to waive any formalities or defects as to form, procedure, or content with respect to its Bid Invitation and any irregularities in the Bids received, to request additional data and information from any and all Bidders, to reject any submissions based on real or apparent conflict of interest, to reject any submissions containing inaccurate or misleading information, and to accept the proposal that is in the best interest of CCDC. The issuance of this Bid Invitation and the receipt and evaluation of electronic bids does not obligate CCDC to award a contract. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

## **2.2 Public Records**

CCDC is a public agency. All documents in its possession are public records subject to disclosure under the Idaho Public Records Act, Title 74, Chapter 1, Idaho Code, and will be available for inspection and copying by any person.

If any Respondent claims any part of its submission is exempt from disclosure under the Idaho Public Records Act, Respondent must: A.) Indicate by marking the pertinent document "CONFIDENTIAL"; and B.) Include the specific basis for the position that it be treated as exempt from disclosure. Marking the entire submission as "Confidential" is not in accordance with the Idaho Public Records Act and will not be honored. CCDC, to the extent allowed by law and in accordance with these Instructions, will honor a designation of nondisclosure. By claiming material to be exempt from disclosure under the Idaho Public Records Act, Respondent expressly agrees to defend, indemnify, and hold CCDC harmless from any claim or suit arising from CCDC's refusal to disclose such materials. Any questions regarding the applicability of the Public Records Act should be addressed to your own legal counsel prior to submission.

## **2.3 Form of Agreement**

Unless otherwise specified in the bid documents, the form of the Contract will be a Standard Agreement and General Conditions Between Owner and Constructor, as modified by CCDC.

## **2.4 Performance and Payment Bond**

A performance bond and payment bond are required for this Project, each in an amount of not less than one hundred percent (100%) of the Contract Price. The performance and payment bonds shall be AIA Document A312, 2010 or the most recent Edition, or a standard surety form certified approved to be the same as the AIA A312 form and shall be executed by a surety or sureties reasonably acceptable to CCDC and authorized to do business in the State of Idaho. Bonds must be provided within ten (10) calendar days following receipt of a Notice of Intent to Award.

## **2.5 Taxes**

CCDC is exempt from Federal and State taxes and will execute the required exemption certificates for items purchased and used by CCDC. Items purchased by CCDC and used by a contractor are subject to Use Tax. All other taxes are the responsibility of the Contractor and are to be included in the Contractor's Bid pricing.

### **3. SUBMISSION PROCESS**

#### **3.1 All Forms to be Submitted**

Bidders must submit the following completed forms via email to [bids@ccdcb Boise.com](mailto:bids@ccdcb Boise.com) by the Bid Due Date and Time. Failure to submit all forms will render any Bid unresponsive and void.

00 41 13 Bid Form  
00 45 46 Contractor's Affidavit Concerning Taxes

#### **3.2 Preparation of Bids**

Fill in all blanks. All blank spaces on the Bid Form must be filled in by the Bidder. Bidder must submit a bid amount for all alternates, additives, deductives, unit prices, and other prices indicated on the Bid Form. When bidding on items for which there is no charge, Bidder shall write the words, "no charge," "zero," or "0.00" in the space provided on the Bid Form. If a Bidder fails to submit a bid price for any item, or does not fill in all blank spaces on the Bid Form, the bid may be rejected as non-responsive.

#### **3.3 Request for Clarification; Objections to Specifications or Process;**

Any Bidder who wishes to request clarifications or object to specifications or bidding procedures outlined in this Invitation to Bid may submit a written notification to Kathy Wanner, CCDC Contracts Manager: [kwanner@ccdcb Boise.com](mailto:kwanner@ccdcb Boise.com). The notification will state the exact nature of the clarification or protest, describing the location of the protested portion or clause in the Bid/Proposal documents, and explaining why the provision should be struck, added, or altered, and contain suggested corrections. CCDC may deny the objection, modify the Project Manual, and/or reject all or part of the objection. Changes to these specifications will be made by written addendum. Verbal responses will not be binding on CCDC or the Bidder.

Deadline for Questions and Clarifications:	5:00 p.m. November 6, 2023
Deadline for Objections to Specs / Bidding:	5:00 p.m. November 7, 2023

#### **3.4 Addenda**

In the event it becomes necessary to revise any part of the bid documents, written addenda will be issued. Information given to one bidder will be available to all other bidders if such information is necessary for purposes of submitting a bid or if failure to give such information would be prejudicial to uninformed bidders. Addenda will be made via email to the company contract listed in the Request for Qualifications, unless otherwise advised. It is the bidder's responsibility to check for addenda prior to submitting a bid. Bidders are required to acknowledge receipt of all addenda in the space provided on the bid proposal form. Failure to do so may result in the bid being declared non-responsive. No addenda will be issued fewer than four (4) business days before the submission deadline unless the deadline is extended.

#### **3.5 Time for Submission**

Bids must be submitted by the time specified in the Invitation to Bid. Late bids will be rejected.

#### **3.6 Bid and Price Guarantee**

A submitted Bid must remain open for sixty (60) days.

### **3.7 Bid Modification; Bid Withdrawal**

A Bid may be modified or withdrawn by the Bidder prior to the set date and time for the opening of Bids. Bids may not be modified or withdrawn after the bid opening.

### **3.8 Bid Evaluation**

In determining the amount proposed by each Contractor, CCDC shall disregard the mathematical errors in addition, subtraction, multiplication and division that appear obvious on the face of the bid. When an item price is required to be set forth in the bid and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times CCDC's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item. The total paid for each such item of work shall be based upon the item price and not the total price.

Should the bid contain only a total price for the item and the item price is omitted, CCDC shall determine the item price by estimated quantities of work to be performed as items of work.

If the bid contains neither the item price nor the total price for the item, then it shall be deemed incomplete and the bid shall be non-responsive.

The unit bid prices of the apparent low bid shall be examined for reasonable conformance with the engineer's estimated prices. A bid with extreme variations from the engineer's estimate, or where obvious unbalancing of unit prices has occurred, shall be thoroughly evaluated. Where obvious unbalanced bid items exist, the decision to award or reject a bid shall be supported by written justification. A bid found to be mathematically unbalanced, but not found to be materially unbalanced, may be awarded.

### **3.9 Legal Residency Requirement**

By submitting a bid, the bidder attests, under penalty of perjury, that he (the bidder) is a United States citizen or legal permanent resident or that it is otherwise lawfully present in the United States pursuant to federal law. Prior to being issued a contract, the bidder will be required to submit proof of lawful presence in the United States in accordance with Idaho Code § 67-7903.

### **3.10 Public Works Contractor's License Requirements**

This Project is not financed in whole or in part by federal funds. Bids will be accepted from those Contractors only (prime contractors, subcontractors and/or specialty contractors) who, prior to the bid opening, hold current valid licenses as public works contractors in the State of Idaho. Idaho Code § 54-1902 requires that public works contractors and subcontractors have the appropriate Public Works License for the particular type of construction work involved, and the prime contractor must perform at least 20% of the work under contract. CCDC uses the Idaho Division of Building Safety's (DBS) online license database to verify that Bidders meet all PWC License requirements.

The Contractor will, in the space provided in the Bid Form, provide the names and addresses and Idaho Public Works Contractor's license number of each subcontractor that the Contractor will utilize for the construction, alteration or repair of the public works here involved, as required by Idaho Code § 67-2310. Failure to name subcontractors for plumbing, heating, air-conditioning, and electrical as required will render any Bid submitted by a general Contractor unresponsive and void.

#### **4. BID SECURITY**

A bid bond is not required.

CCDC reserves the right, on the refusal or failure of the Successful Bidder to execute the CCDC contract or furnish the required proof of insurance and bonds, to award the contract for the Project to the next lowest qualified Bidder.

#### **5. SELECTION CRITERIA**

Selection will be based on the procurement rules set forth in Idaho Code § 67-2805(2)(a). CCDC has the right to waive or alter submission requirements or to reject any or all submissions, including without limitation, nonconforming, nonresponsive, unbalanced or conditional bids consistent with Idaho law. It is the bidder's responsibility to conform to all applicable federal, state and local statutes or other applicable legal requirements. The information provided herein is intended to assist bidders in meeting applicable requirements but is not exhaustive, and CCDC will not be responsible for any failure by any bidder to meet applicable requirements.

END OF SECTION 00 21 13



## **SECTION 00 25 13 PRE BID MEETING**

A Pre-Bid Conference will be held at 9:00 a.m. on November 2, 2023 via Zoom.

Join Zoom Meeting

<https://ccdcb Boise.zoom.us/j/84802842312?pwd=a0ScKeeQsIN27ZMK8ulmACN4qybfHw.1>

Meeting ID: 848 0284 2312

Passcode: 083135

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One tap mobile

+12532050468,,84802842312#,,,,\*083135# US

+12532158782,,84802842312#,,,,\*083135# US (Tacoma)

CCDC strongly recommends attendance by bidders.

END OF SECTION 00 25 13

## **SECTION 00 31 00 AVAILABLE PROJECT INFORMATION**

### **PRELIMINARY PROJECT SCHEDULE**

Substantial Completion in one hundred thirty (130) days

Final Completion in twenty-one (21) days after Substantial Completion

### **BOISE SCHOOL DISTRICT – BUS STOP SCHEDULING**

It is the contractor's responsibility to work with and accommodate the Boise School District's school bus stop and schedule. The area near the existing building at E Blue Valley Lane is the current bus stop and current school bus turnaround. Various pick-up and drop off times occur throughout the day, and the contractor will be responsible for providing students safe access to the bus stop during construction, as well as working with the Boise School District's Transportation & Traffic Safety department on necessary route adjustments. Attached is a map depicting the school bus stop and bus turnaround area in relation to the Project.

Boise School District Contact:

Lanette Daw: Supervisor of Boundaries, Transportation & Traffic Safety

lanette.daw@boiseschools.org

#208-854-4167

END OF SECTION 00 31 00

## Eisenman Road Pedestrian Improvements – School Bus Information



**SECTION 00 41 13 BID FORM****BID FORM****PROJECT: EISENMAN ROAD PEDESTRIAN IMPROVEMENTS PROJECT****THIS BID IS SUBMITTED TO:**

Capital City Development Corporation  
 Attn: **Eisenman Road Pedestrian Improvements Project**  
 121 N. 9th Street, Suite 501  
 Boise, Idaho 83702

- 1.01 The undersigned Bidder proposes and agrees to enter into a Contract with CCDC in the form included in the Project Manual to perform all the Work as specified or indicated in the Project Manual for the prices indicated in this Bid and in accordance with the other terms and conditions of the Project Manual.
- 1.02 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for sixty (60) days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of CCDC.
- 1.03 Within thirty (30) days from receiving a written notice of acceptance of this Bid, Bidder shall execute the Contract and shall deliver evidence of required insurance coverages and bonds in the amounts required by the Contract.
- 1.04 In submitting this Bid, Bidder represents, as set forth in the Contract and Project Manual, that:

- a. Bidder has examined and understands the Project Manual and the following Addenda:

Addendum No.

Addendum Date

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- b. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- c. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- d. Bidder has carefully studied: 1.) all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site which have been identified in the Project Manual; and 2.) all reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Project Manual.
- e. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Project Manual to be employed by Bidder, and safety precautions and programs incident thereto.
- f. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Project Manual.

- g. Bidder is aware of the general nature of work to be performed by CCDC and others at the Site that relates to the Work as indicated in the Project Manual.
  - h. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Project Manual, and all additional examinations, investigations, explorations, tests, studies, and data with the Project Manual.
  - i. Bidder has given CCDC written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovered in the Project Manual, and the written resolution thereof by CCDC is acceptable to Bidder.
  - j. The Project Manual is generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
  - k. Bidder is responsible for ascertaining the existence of any addenda and the contents thereto.
- 1.05 Bidder represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over CCDC.
- 1.06 Bidder will complete the Work in accordance with the bid schedule subject to changes as provided in the Contract Documents for the sum given, which includes all labor, materials, equipment, taxes, overhead and profit and incidentals per the Contract Documents. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid Items will be based on actual quantities provided, determined as provided in the Contract Documents.
- Bidder acknowledges that the quantities specified herein for the repairs are approximate and that actual quantities in the field may increase or decrease from the quantities estimated. Bidder hereby agrees to perform all quantities of Work as either increased or decreased, as required by the Project Engineer and in accordance with the provisions of the Contract Documents. The final payment to the Bidder shall be based on the Total Bid Amount and the actual quantities completed (for items that are not lump sum).
- 1.07 In determining the amount proposed by each Bidder, CCDC shall disregard the mathematical errors in addition, subtraction, multiplication and division that appear obvious on the face of the bid. When an item price is required to be set forth in the bid and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times CCDC's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item. The total paid for each such item of work shall be based upon the item price and not the total price.
- Should the bid contain only a total price for the item and the item price is omitted, CCDC shall determine the item price by estimated quantities of work to be performed as items of work. If the bid contains neither the item price nor the total price for the item, then it shall be deemed incomplete, and the bid shall be non-responsive.
- 1.08 Bidder agrees that the Work will be substantially completed and fully completed ready for final payment in accordance with General Conditions on or before the dates or within the number of calendar days indicated in the Contract Documents. Bidder accepts the provisions of the Contract as to liquidated damages in the event of failure to complete the Work within the times specified.
- 1.09 Bidder agrees to comply with Idaho Code § 44-1001 through 44-1006 regarding employment of Idaho residents.
- 1.10 The following document is attached to and made a condition of this Bid: 1.) Contractor's Affidavit Concerning Taxes.
- Bidder agrees to include with the Bid the names and addresses and Idaho Public Works Contractor License numbers of the Subcontractors who shall, in the event the Bidder secures the Contract, subcontract the plumbing, heating and air-conditioning work, and electrical work under the general Contract.
- 1.11 WAIVER & RELEASE: Bidder has read and fully accepts CCDC's discretion and non-liability as stipulated herein, expressly for, but not limited to, CCDC's decision to proceed with a selection process in response to

BIDDERS NAME: \_\_\_\_\_

the Invitation to Bid, including the right in its sole discretion and judgment for whatever reason it deems appropriate, at any time unless contrary to applicable state law, to:

- a. Modify or suspend any and all aspects of the process seeking a contractor to construct Project.
- b. Obtain further information from any person, entity, or group, including, but not limited to, any person, entity, or group responding to CCDC's Bid Invitation (any such person, entity, or group responding is, for convenience, hereinafter referred to as "Bidder"), and to ascertain the depth of Bidder's capability and experience for construction of Project and in any and all other respects to meet with and consult with any Bidder or any other person, entity, or group.
- c. Waive any formalities or defects as to form, procedure, or content with respect to its Bid Invitation and any responses by any Bidder thereto.
- d. Accept or reject any sealed Bid received in response to the Bid Invitation, including any sealed Bid submitted by the undersigned; or select any one submission over another.
- e. Accept or reject all or any part of any materials, plans, drawings, implementation programs, schedules, phrasings and proposals or statements, including, but not limited to, the nature and type of Bid.

Bidder agrees that CCDC shall have no liability whatsoever, of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.

### SUBCONTRACTORS

CCDC requires the names and addresses of subcontractors to whom work will be awarded, subject to approval of CCDC and Architect, and pursuant to Idaho Code § 67-2310. If such work is not required, Bidder will indicate "Not Applicable" in the list below. In the event that the general (Trade) contractor intends to self-perform the plumbing, HVAC, or electrical work, the general contractor must be properly licensed by the state of Idaho to perform such work. The general (Trade) contractor shall demonstrate compliance with this requirement by listing the valid contractor's license number for the plumbing, HVAC, or electrical work to be self-performed by the general contractor on the bid form.

**Failure to name subcontractors as required by Idaho Code  
shall render any bid submitted unresponsive and void.**

#### Plumbing

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Public Works License No. \_\_\_\_\_

Idaho Plumbing Contractors License No. \_\_\_\_\_

#### Heating & Air Conditioning

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Public Works License No. \_\_\_\_\_

Idaho HVAC Contractors License No. \_\_\_\_\_

#### Electrical

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Public Works License No. \_\_\_\_\_

Idaho Electrical Contractors License No. \_\_\_\_\_

BIDDERS NAME: \_\_\_\_\_

## BID - OFFER

All Work, including labor, materials, overhead and profit, bonds, insurance, and any other incidentals required to construct the Project, complete, based on the Estimated Quantities given below, for the Contract Sum listed below and identified as the Total Bid Amount. Bidder shall provide a lump sum or unit price bid amount for each individual item as identified below. Unit item pricing will be used for bid total verification and any additional increases, decreases and changes in the Work. Bid shall be awarded on the Total Bid Amount.

	DESCRIPTION	EST QNTY	UNIT	UNIT PRICE	TOTAL
201.4.1.C.1.	Removal of Obstructions	1	LS		
202.4.1.A.1.	Excavation (Plan Unit Quantity)	449	CY		
202.4.2.A.1.	Rock Excavation - Bid Alternate	50	CY		
204.4.1.A.1.	Structural Excavation	220	CY		
204.4.3.A.1.	Compacting Backfill	254	CY		
205.4.1.B.1.	Dewatering	1	LS		
206.4.1.H.3.	Relocate Existing Loose Riprap	48	CY		
307.4.1.E.1.	Type C Surface Restoration (Gravel)	1,009	SY		
307.4.1.G.1.	Type P Surface Restoration (Asphalt)	65	SY		
702.4.2.A.1.	Reinforcing Steel	7,227	LB		
703.4.1.A.1.	Concrete Retaining Wall (Cast-In-Place), Class 4000	70	CY		
706.4.1.A.3.	Standard 6" Vertical Curb (No Gutter)	15	LF		
706.4.1.A.13.	Extruded Concrete Curb	1,067	LF		
801.4.1.B.1.	6" Minus Uncrushed Aggregate Base	681	TON		
802.4.1.B.1.	3/4" Minus Crushed Aggregate For Base, Type 1	401	TON		
810.4.1.A.1.	Plant Mix Pavement	280	TON		
1001.4.1.A.1.	Sediment Control	1	LS		
1103.4.1.A.1.	Construction Traffic Control	1	LS		
1104.4.1.A.1.	Pavement Line Paint	396	SF		
1104.4.1.C.1.	Channelizer	29	EA		
2010.4.1.A.1.	Mobilization	1	LS		
2030.4.1.D.1.	Adjust Utility Box to Grade	1	EA		
2040.4.1.A.1.	Remove and Reset Fence	117	LF		
2050.4.1.B.1.	Riprap/ Erosion Control Geotextile	50	SY		
SP-1	Lawn Sod Restoration	557	SF		
SP-2	Sprinkler System Repair/Adjustment	1	LS		
SP-3	Pedestrian Railing	124	LF		
SP-4	Temporary Cofferd Dam	1	EA		
TOTAL BID AMOUNT:					\$

Bidder agrees to perform all the work for the Eisenman Road Pedestrian Facilities Project as described in the Project Manual, including but not limited to the General Requirements, Technical Specifications, Special

BIDDERS NAME:\_\_\_\_\_

Provisions, and Drawings prepared by Civil Survey Consultants, Inc. and dated July 2023 and stamped by Engineer July 6, 2023 for the Work; and having examined the Project Location and being familiar with all of the conditions surrounding the proposed Work including availability of materials and labor the undersigned hereby proposed to furnish all labor, materials and supplies as specified, including all expenses related to overhead and profit, freight, bonding, insurance; travel, lodging, incidentals, general conditions, applicable taxes and to perform the Work in accordance with the Contract Documents within the times set forth therein for the Total Bid Amount of:

\_\_\_\_\_  
(\$\_\_\_\_\_) Dollars, lawful money of the United States.

[Show amounts in both words and figures; in event of discrepancy, the amount in words shall govern.]

### BID FORM SIGNATURE

SUBMITTED on \_\_\_\_\_, 2023.

**X**

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
Idaho Public Works Contractor License No.

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
License Expiration Date

\_\_\_\_\_  
Contractor / Company

\_\_\_\_\_  
Federal Tax ID #

\_\_\_\_\_  
Address

\_\_\_\_\_  
E-mail Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Phone No.

\_\_\_\_\_  
Fax No.

**ATTENTION:** Did you remember the Contractor's Affidavit Concerning Taxes? Did you double-check your math on the bid form?

**IF CONTRACTOR'S AFFIDAVIT ARE NOT INCLUDED, YOUR BID WILL BE CONSIDERED  
NON-RESPONSIVE.**

END OF SECTION 00 41 13



**SECTION 00 45 46 CONTRACTOR'S AFFIDAVIT CONCERNING TAXES**  
**MUST EXECUTE AND SUBMIT WITH BID**

**CONTRACTOR'S AFFIDAVIT CONCERNING TAXES**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

Pursuant to Chapter 15, Title 63, Idaho Code, I the undersigned, being duly sworn, depose and certify that all taxes, excises and license fees due to the State of Idaho and its taxing units, for which I or my property is liable, then due or delinquent, have been paid, or arrangements have been made, before entering into a contract for construction of any public works in the State of Idaho.

\_\_\_\_\_  
Contractor / Company

**X** \_\_\_\_\_  
Authorized Representative Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
City, State, Zip

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public  
Residing at: \_\_\_\_\_  
Commission Expires: \_\_\_\_\_

END OF SECTION 00 45 46

**STANDARD AGREEMENT AND GENERAL CONDITIONS  
BETWEEN OWNER AND CONSTRUCTOR**

**EISENMAN ROAD PEDESTRIAN IMPROVEMENTS**

**(\$000,000)**

**TABLE OF ARTICLES**

1. AGREEMENT
2. GENERAL PROVISIONS
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13. MISCELLANEOUS
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## ARTICLE 1 AGREEMENT

This Agreement is made this \_\_\_\_ day of \_\_\_\_\_ in the year 2023, by and between the

**OWNER:** Capital City Development Corporation (CCDC)  
121 N. 9<sup>th</sup> Street, Suite 501  
Boise, Idaho 83702

and the

**CONSTRUCTOR:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tax identification number (TIN): \_\_\_\_\_

Idaho Public Works Contractor License No.: \_\_\_\_\_

for construction services in connection with the following PROJECT:

**Project Identification: Eisenman Road Pedestrian Facilities**

Work Area: Eisenman Road between Blue Sage Lane and Blue Lake Lane, Boise, Idaho.

Notice to the Parties shall be given at the above addresses.

The Owner's Project Architect is Civil Survey Consultants, Inc., Corey Peacock, PE.

The Owner's Representative is Kassi Brown, Project Manager

The Parties agree as set forth herein:

## ARTICLE 2 GENERAL PROVISIONS

**2.1 RELATIONSHIP OF PARTIES** The Parties each agree to proceed with the Project on the basis of mutual trust, good faith, and fair dealing.

2.1.1 The Constructor shall furnish construction administration and management services and use the Constructor's diligent efforts to perform the Work in an expeditious manner consistent with the Contract Documents. The Parties shall each endeavor to promote harmony and cooperation among all Project participants.

2.1.2 The Constructor represents that it is an independent contractor and that in its performance of the Work it shall act as an independent contractor. Owner will have no right to control or direct the details, manner, or means by which Constructor accomplishes the results of the services performed hereunder.

2.1.3 The Constructor has no obligation to work any particular hours or days or any particular number of hours or days. Constructor agrees, however, that its other contracts and services shall not interfere with the performance of its services under this Agreement.

2.1.4 Neither the Constructor nor any of its agents or employees shall act on behalf of or in the name of the Owner except as provided in this Agreement or unless authorized in writing by the Owner's Representative.

2.1.5 The Parties shall perform their obligations with integrity, ensuring at a minimum that each: (a) avoids conflicts of interest and promptly discloses any to the other Party; and (b) warrants that it has not and shall not pay or receive any contingent fees or gratuities to or from the other Party, including its agents, officers, and employees, subcontractors, or others for whom they may be liable, to secure preferential treatment.

2.2 DESIGN PROFESSIONAL Owner's Design Professional is **Civil Survey Consultants, Inc.** The Owner, through its Design Professional, shall provide all design services necessary for the completion of the Work. The Constructor shall not be required to provide professional services which constitute the practice of architecture, landscape architecture, or engineering.

2.2.1 The Owner shall obtain from the Design Professional either a license for Constructor and Subcontractors to use the design documents prepared by the Design Professionals or ownership of the copyrights for such design documents, and shall indemnify and hold harmless the Constructor against any suits or claims of infringement of any copyrights or licenses arising out of the use of the design documents for the Project.

## 2.3 DEFINITIONS

2.3.1 "Agreement" means this Standard Agreement and General Conditions Between Owner and Constructor, as modified, and exhibits and attachments made part of this agreement upon its execution. For purposes of this Agreement, the terms "Agreement" and "Contract" are equivalent.

2.3.2 "Business Day" means all Days, except weekends and official federal or state holidays where the Project is located.

2.3.3 "Change Order" is a written order signed by the Owner and the Constructor after execution of this Agreement, indicating changes in the scope of the Work, the Contract Price, or Contract Time, including substitutions proposed by the Constructor and accepted by the Owner.

2.3.4 "Contract Documents" consist of this Agreement, the existing Contract Documents listed in Section 14.1, drawings, specifications, addenda issued and acknowledged prior to execution of this Agreement, information furnished by the Owner pursuant to subsection 3.13.4, and modifications issued in accordance with this Agreement.

2.3.5 "Contract Price" is the amount indicated in section 7.1 of this Agreement.

2.3.6 "Contract Time" is the period between the Date of Commencement and Final Completion.

2.3.7 "Constructor" is the person or entity identified in ARTICLE 1 and includes the Constructor's Project Manager, designated by Constructor as having authority to represent, make decisions, and act on behalf of Constructor. For purposes of this Agreement, the terms Constructor and Contractor with the capitalized "C" are equivalent.

2.3.8 "Construction Period" is the period of time between the Date of Commencement stated in the Notice to Proceed and the date of Final Completion stated in the Certificate of Final Completion.

2.3.9 "Cost of the Work" means the costs and discounts specified in section 8.3.2.

2.3.10 "Date of Commencement" is as set forth in section 6.1.

2.3.11 "Day" means a calendar day.

2.3.12 "Defective Work" is any portion of the Work that does not conform with the Contract Documents.

2.3.13 "Design Professional" means the licensed architect or engineer, and its consultants, retained by the Owner to perform design services for the Project.

2.3.14 "Final Completion" occurs on the date when the Constructor's obligations under this Agreement are complete and accepted by the Owner and final payment becomes due and payable. This date shall be confirmed by a Certificate of Final Completion signed by the Owner and the Constructor.

2.3.15 "Interim Directed Change" is a change to the Work directed by the Owner pursuant to section 8.2.

2.3.16 "Laws" mean federal, state, and local laws, ordinances, codes, rules, and regulations applicable to the Work with which the Constructor must comply that are enacted as of the Agreement date.

2.3.17 "Material Supplier" is a person or entity retained by the Constructor to provide material and equipment for the Work.

2.3.18 "Others" means other contractors/constructors, material suppliers, and persons at the Worksite who are not employed by the Constructor or Subcontractors.

2.3.19 "Overhead" means (a) payroll costs and other compensation of Constructor employees in the Constructor's principal and branch offices; (b) general and administrative expenses of the Constructor's principal and branch offices including charges against the Constructor for delinquent payments; and (c) the Constructor's capital expenses, including interest on capital used for the Work.

2.3.20 "Owner" is the person or entity identified in ARTICLE 1 and includes the Owner's Representative.

2.3.21 "Owner's Representative" is the individual employed by the Owner who shall be fully acquainted with the Project, shall act as the prime point of contact between Owner and Owner's Project Architect, shall provide the Owner's instructions to Owner's Project Architect, and shall have authority to bind the Owner in all matters requiring the Owner's approval, authorization, or written notice.

2.3.22 "Parties" are collectively the Owner and the Constructor.

2.3.23 "Project," as identified in ARTICLE 1, is the construction, installation, repair or other improvements for which the Constructor is to perform Work under this Agreement. It may also include construction by the Owner or Others.

2.3.24 "Project Architect" is the individual retained by the Owner to perform day-to-day field observations of the Project on Owner's behalf and shall be the prime point of contact for Constructor.

The Project Architect shall possess full authority to receive instructions from Owner and to act on those instructions.

2.3.25 "Schedule of the Work" is the document prepared by the Constructor that specifies the dates on which the Constructor plans to begin and complete various parts of the Work, including dates on which information and approvals are required from the Owner.

2.3.26 "Subcontractor" is a person or entity retained by the Constructor as an independent contractor to provide the labor, materials, equipment, or services necessary to complete a specific portion of the Work. The term Subcontractor does not include the Design Professional or Others. All subcontractors shall hold valid Public Works Contractor licenses pursuant to Idaho Code § 54-1902.

2.3.27 "Substantial Completion" of the Work occurs on the date when the Work is sufficiently complete in accordance with the Contract Documents so that the Owner may occupy or utilize the Project, or a designated portion, for the use for which it is intended, without unscheduled disruption. This date shall be confirmed by a Certificate of Substantial Completion signed by the Owner and Constructor.

2.3.28 "Subsubcontractor" is a person or entity who has an agreement with a Subcontractor or another Subsubcontractor to perform a portion of the Subcontractor's Work.

2.3.29 "Terrorism" means a violent act, or an act that is dangerous to human life, property, or infrastructure, that is committed by an individual or individuals and that appears to be part of an effort to coerce a civilian population or to influence the policy or affect the conduct of any government by coercion. Terrorism includes, but is not limited to, any act certified by the United States government as an act of terrorism pursuant to the Terrorism Risk Insurance Act, as amended.

2.3.30 "Work" means the construction and services necessary or incidental to fulfill the Constructor's obligations for the Project in conformance with this Agreement and the other Contract Documents. The Work may refer to the whole Project or only a part of the Project if work is also being performed by the Owner or Others.

2.3.30.1 "Changed Work" means work that is different from the original scope of Work; or work that changes the Contract Price or Contract Time.

2.3.31 "Worksite" means the geographical area of the Project Location as identified in ARTICLE 1 where the Work is to be performed.

### **ARTICLE 3 CONSTRUCTOR'S RESPONSIBILITIES**

#### **3.1 GENERAL RESPONSIBILITIES**

3.1.1 The Constructor shall provide all labor, materials, equipment, and services (except those items specifically identified in the Contract Documents as products, equipment, systems or materials that Owner shall provide) necessary to complete the Work, all of which shall be provided in full accord with and reasonably inferable from the Contract Documents.

3.1.2 The Constructor shall be responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized, unless the Contract Documents give other specific instructions. In such case, the Constructor shall not be liable to the Owner for damages resulting from compliance with such instructions unless the Constructor recognized and failed to timely report to the Project Architect any error, inconsistency,

omission, or unsafe practice that it discovered in the specified construction means, methods, techniques, sequences, or procedures.

3.1.3 The Constructor shall perform Work only within locations allowed by the Contract Documents, Laws, and applicable permits.

### 3.2 COOPERATION WITH WORK OF OWNER AND OTHERS

3.2.1 The Owner may perform work at the Worksite directly or by Others. Any agreements with Others to perform construction or operations related to the Project shall include provisions pertaining to insurance, indemnification, waiver of subrogation, consequential damages, coordination, interference, cleanup, and safety that are substantively the same as the corresponding provisions of this Agreement.

3.2.2 If the Owner elects to perform work at the Worksite directly or by Others, the Constructor and the Owner shall coordinate the activities of all forces at the Worksite and agree upon fair and reasonable schedules and operational procedures for Worksite activities. The Owner shall require each separate contractor to cooperate with the Constructor and assist with the coordination of activities and the review of construction schedules and operations. The Contract Price and Contract Time shall be equitably adjusted, as mutually agreed by the Parties, for changes made necessary by the coordination of construction activities, and the Schedule of the Work shall be revised accordingly. The Constructor, the Owner, and Others shall adhere to the revised construction schedule.

3.2.3 With regard to the work of the Owner and Others, the Constructor shall: (a) proceed with the Work in a manner that does not hinder, delay, or interfere with the work of the Owner or Others or cause the work of the Owner or Others to become defective; (b) afford the Owner or Others reasonable access for introduction and storage of their materials and equipment and performance of their activities; and (c) coordinate the Constructor's Work with theirs.

3.2.4 Before proceeding with any portion of the Work affected by the construction or operations of the Owner or Others, the Constructor shall give the Owner prompt written notification of any defects the Constructor discovers in their work which will prevent the proper execution of the Work. The Constructor's obligations in this subsection do not create a responsibility for the work of the Owner or Others, but are for the purpose of facilitating the Work. If the Constructor does not notify the Owner of defects interfering with the performance of the Work, the Constructor acknowledges that the work of the Owner or Others is not defective and is acceptable for the proper execution of the Work. Following receipt of written notice from the Constructor of defects, the Owner shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

### 3.3 RESPONSIBILITY FOR PERFORMANCE

3.3.1 Prior to commencing the Work, the Constructor shall examine and compare the drawings and specifications with information furnished by the Owner that are Contract Documents, relevant field measurements made by the Constructor, and any visible conditions at the Worksite affecting the Work.

3.3.2 Should the Constructor discover any errors, omissions, or inconsistencies in the Contract Documents, the Constructor shall promptly report them to Owner's Project Architect and Owner's Representative. It is recognized, however, that the Constructor is not acting in the capacity of a licensed design professional, and that the Constructor's examination is to facilitate construction and does not create an affirmative responsibility to detect errors, omissions, or inconsistencies or to ascertain compliance with applicable laws, building codes, or regulations. Following receipt of



written notice from the Constructor of defects, the Owner shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

3.3.3 The Constructor shall have no liability for errors, omissions, or inconsistencies discovered under this section 3.3 unless the Constructor knowingly fails to report a recognized problem to the Owner's Project Architect and Owner's Representative.

3.3.4 The Constructor may be entitled to additional costs or time because of clarifications or instructions arising out of the Constructor's reports described in this section 3.3.

3.3.5 Nothing in this section 3.3 shall relieve the Constructor of responsibility for its own errors, inconsistencies, and omissions.

### 3.4 CONSTRUCTION PERSONNEL AND SUPERVISION

3.4.1 The Constructor shall provide competent supervision for the performance of the Work. Before commencing the Work, the Constructor shall notify the Project Architect and Owner's Representative in writing of the name and qualifications of its proposed Constructor's Project Manager so the Project Architect and Owner's Representative may review the individual's qualifications. If, for reasonable cause, the Project Architect and/or Owner's Representative refuses to approve the individual or withdraws its approval after once giving it, the Constructor shall name a different Constructor's Project Manager for the Owner's review. Any disapproved Project Manager shall not perform in that capacity thereafter at the Worksite.

3.4.2 The Constructor shall be responsible to the Owner for acts or omissions of parties or entities performing portions of the Work for or on behalf of the Constructor or any of its Subcontractors.

3.4.3 The Constructor shall permit only qualified persons to perform the Work. The Constructor shall enforce safety procedures, strict discipline, and good order among persons performing the Work. If the Owner determines that a particular person does not follow safety procedures, or is unfit or unskilled for the assigned Work, the Constructor shall immediately reassign the person upon receipt of the Owner's written notice to do so.

3.4.4 CONSTRUCTOR'S PROJECT MANAGER The Constructor's authorized Project Manager is [REDACTED]. The Constructor's Project Manager shall possess full authority to receive instructions from the Owner directly or through Owner's Project Architect and to act on those instructions. If the Constructor changes the Constructor's Project Manager or his/her authority, the Constructor shall immediately notify the Project Architect in writing.

3.5 WORKMANSHIP The Work shall be executed in accordance with the Contract Documents in a workmanlike manner. All materials used in the Work shall be furnished in sufficient quantities to facilitate the proper and expeditious execution of the Work and shall be new except such materials as may be expressly provided in the Contract Documents to be otherwise.

3.6 MATERIALS FURNISHED BY THE OWNER OR OTHERS If the Work includes installation of materials or equipment furnished by the Owner or Others, it shall be the responsibility of the Constructor to examine the items so provided and thereupon handle, store, and install the items, unless otherwise provided in the Contract Documents, with such skill and care as to provide a satisfactory and proper installation. Loss or damage due to acts or omissions of the Constructor shall be the responsibility of the Constructor and may be deducted from any amounts due or to become due the Constructor. Any defects discovered in such materials or equipment shall be reported at once to the Project Architect. Following receipt of written notice from the Constructor of defects, the Project Architect shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.



### 3.7 TESTS AND INSPECTIONS

3.7.1 The Constructor shall schedule all required tests, approvals, and inspections of the Work or portions thereof at appropriate times so as not to delay the progress of the Work or other work related to the Project. The Constructor shall give proper notice to all required parties of such tests, approvals, and inspections. If feasible, the Project Architect, Owner's Representative and Others may timely observe the tests at the normal place of testing. Except as provided in subsection 3.7.3 and the Drawings and Specifications, the Owner shall bear all expenses associated with tests, inspections, and approvals required by the Contract Documents, which, unless otherwise agreed to, shall be conducted by an independent testing laboratory or entity retained by the Owner. Unless otherwise required by the Contract Documents, required certificates of testing, approval, or inspection shall be secured by the Constructor and promptly delivered to the Project Architect, with copies to the Owner's Representative.

3.7.2 If the Owner or appropriate authorities determine that tests, inspections, or approvals in addition to those required by the Contract Documents will be necessary, the Constructor shall arrange for the procedures and give timely notice to the Owner and Others who may observe the procedures. Costs of the additional tests, inspections, or approvals are at the Owner's expense except as provided in subsection 3.7.3.

3.7.3 If the procedures described in the two subsections above indicate that portions of the Work fail to comply with the Contract Documents due to negligence of the Constructor, the Constructor shall be responsible for costs of correction and retesting.

### 3.8 WARRANTY

3.8.1 The Constructor warrants that all materials and equipment shall be new unless otherwise specified, of good quality, in conformance with the Contract Documents, and free from defective workmanship and materials. At the Owner's request, the Constructor shall furnish satisfactory evidence of the quality and type of materials and equipment furnished. The Constructor further warrants that the Work shall be free from material defects not intrinsic in the design or materials required in the Contract Documents. The Constructor's warranty does not include remedies for defects or damages caused by normal wear and tear during normal usage, use for a purpose for which the Project was not intended, improper or insufficient maintenance, modifications performed by the Owner or Others, or abuse. The Constructor's warranty shall commence on the Date of Substantial Completion of the Work, or of a designated portion.

3.8.2 To the extent products, equipment, systems or materials incorporated in the Work are specified and purchased by the Owner, they shall be covered exclusively by the warranty of the manufacturer. There are no warranties which extend beyond the description on the face of any such warranty.

3.8.3 The Constructor shall obtain from its Subcontractors and Material Suppliers any special or extended warranties required by the Contract Documents. All such warranties shall be listed in an attached exhibit to this Agreement. After that period, the Constructor shall provide reasonable assistance to the Owner in enforcing the obligations of Subcontractors or Material Suppliers for such extended warranties.

### 3.9 CORRECTION OF WORK WITHIN TWO YEARS

3.9.1 If, prior to Substantial Completion and within two years after the date of Substantial Completion of the Work, any Defective Work is found, the Owner shall promptly notify the Constructor in writing. Unless the Owner provides written acceptance of the condition, the Constructor shall promptly correct the Defective Work at its own cost and time and bear the

expense of additional services required for correction of any Defective Work for which it is responsible. If within the two-year correction period the Owner discovers and does not promptly notify the Constructor or give the Constructor an opportunity to test or correct Defective Work as reasonably requested by the Constructor, the Owner waives the Constructor's obligation to correct that Defective Work as well as the Owner's right to claim a breach of the warranty with respect to that Defective Work.

3.9.2 With respect to any portion of Work first performed after Substantial Completion, the two-year correction period shall be extended by the period of time between Substantial Completion and the actual performance of the later Work. Correction periods shall not be extended by corrective work performed by the Constructor.

3.9.3 If the Constructor fails to correct Defective Work within a reasonable time after receipt of written notice from the Owner prior to final payment, the Owner may correct it in accordance with the Owner's right to carry out the Work. In such case, an appropriate Change Order shall be issued deducting the cost of correcting the Defective Work from payments then or thereafter due the Constructor. If payments then or thereafter due the Constructor are not sufficient to cover such amounts, the Constructor shall pay the difference to the Owner within forty-five (45) days.

3.9.4 The Constructor's obligations and liability, if any, with respect to any Defective Work discovered after the two-year correction period shall be determined by the Law. If, after the two-year correction period but before the applicable limitation period has expired, the Owner discovers any Work which the Owner considers Defective Work, the Owner shall, unless the Defective Work requires emergency correction, promptly notify the Constructor and allow the Constructor an opportunity to correct the Work if the Constructor elects to do so. If the Constructor elects to correct the Work, it shall provide written notice of such intent within fourteen (14) Days of its receipt of notice from the Owner and shall complete the correction of Work within a mutually agreed timeframe. If the Constructor does not elect to correct the Work, the Owner may have the Work corrected by itself or Others, and, if the Owner intends to seek recovery of those costs from the Constructor, the Owner shall promptly provide the Constructor with an accounting of the correction costs it incurs.

3.9.5 If the Constructor's correction or removal of Defective Work causes damage to or destroys other completed or partially completed Work or existing buildings, the Constructor shall be responsible for the cost of correcting the destroyed or damaged property.

3.9.6 The two-year period for correction of Defective Work does not constitute a limitation period with respect to the enforcement of the Constructor's other obligations under the Contract Documents.

3.9.7 Prior to final payment, at the Owner's option and with the Constructor's agreement, the Owner may elect to accept Defective Work rather than require its removal and correction. In such case, the Contract Price shall be equitably adjusted for any diminution in the value of the Project caused by such Defective Work.

### 3.10 CORRECTION OF COVERED WORK

3.10.1 On request of the Project Architect, Work that has been covered without a requirement that it be inspected prior to being covered may be uncovered for the Project Architect's and, if desired the Owner's inspection. The Owner shall pay for the costs of uncovering and replacement if the Work proves to be in conformance with the Contract Documents, or if the defective condition was caused by the Owner or Others. If the uncovered Work proves to be defective, the Constructor shall pay the costs of uncovering and replacement.

3.10.2 If, contrary to specific requirements in the Contract Documents or contrary to a specific request from the Project Architect or Owner, a portion of the Work is covered, the Project Architect or Owner, by written request, may require the Constructor to uncover the Work for the Project Architect's and, if desired the Owner's observation. In this circumstance, the Work shall be replaced at the Constructor's expense and with no adjustment to the Contract Time.

### 3.11 SAFETY OF PERSONS AND PROPERTY

3.11.1 SAFETY PRECAUTIONS AND PROGRAMS The Constructor shall have overall responsibility for safety precautions and programs in the performance of the Work. However, such obligation does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work or for compliance with Laws.

3.11.2 The Constructor shall seek to avoid injury, loss, or damage to persons or property by taking reasonable steps to protect: (a) its employees and other persons at the Worksite; (b) materials and equipment stored at onsite or offsite locations for use in the Work; and (c) property located at the Worksite and adjacent to Work areas, whether or not the property is part of the Worksite.

3.11.3 CONSTRUCTOR'S SAFETY REPRESENTATIVE The Constructor's Worksite safety representative is [REDACTED], who shall act as the Constructor's Worksite safety representative with a duty to prevent accidents. If no individual is identified in this subsection, the Constructor's safety representative shall be the Constructor's Project Manager. The Constructor shall report promptly in writing to the Project Architect, with a copy to the Owner's Representative, all recordable accidents and injuries occurring at the Worksite. When the Constructor is required to file an accident report with a public authority, the Constructor shall furnish a copy of the report to the Project Architect and Owner's Representative.

3.11.4 The Constructor shall provide the Project Architect and Owner's Representative with copies of all notices required of the Constructor by law or regulation. The Constructor's safety program shall comply with the requirements of governmental and quasi-governmental authorities having jurisdiction.

3.11.5 Damage or loss not insured under property insurance which may arise from the Work, to the extent caused by the negligent acts or omissions of the Constructor, or anyone for whose acts the Constructor may be liable, shall be promptly remedied by the Constructor.

3.11.6 If the Project Architect deems any part of the Work or Worksite unsafe, the Project Architect, without assuming responsibility for the Constructor's safety program, may require the Constructor to stop performance of the Work or take corrective measures satisfactory to the Project Architect, or both. If the Constructor does not adopt corrective measures, the Owner may perform them and deduct their cost from the Contract Price. The Constructor agrees to make no claim for damages, for an increase in the Contract Price or for a change in the Contract Time based on the Constructor's compliance with the Project Architect's or Owner's reasonable request.

3.12 EMERGENCIES In an emergency affecting the safety of persons or property, the Constructor shall act in a reasonable manner to prevent threatened damage, injury, or loss. If appropriate, an equitable adjustment in the Contract Price or Contract Time resulting from the actions of the Constructor in an emergency situation shall be determined as provided for in ARTICLE 8.

### 3.13 HAZARDOUS MATERIALS

3.13.1 A Hazardous Material is any substance or material identified now or in the future as hazardous under Laws, or any other substance or material that may be considered hazardous or otherwise subject to statutory or regulatory requirement governing handling, disposal, or cleanup.

The Constructor shall not be obligated to commence or continue work until any Hazardous Material discovered at the Worksite has been removed, rendered, or determined to be harmless by the Owner as certified by an independent testing laboratory and approved by the appropriate governmental agency.

3.13.2 If after commencing the Work, Hazardous Material is discovered at the Worksite, the Constructor shall be entitled to immediately stop Work in the affected area. The Constructor shall promptly report the condition to the Project Architect and Owner's Representative and, if required, the governmental agency with jurisdiction.

3.13.3 The Constructor shall not be required to perform any Work relating to or in the area of Hazardous Material without written mutual agreement.

3.13.4 The Owner shall be responsible for retaining an independent testing laboratory to determine the nature of the material encountered and whether the material requires corrective measures or remedial action. Such measures shall be the sole responsibility of the Owner, and shall be performed in a manner minimizing any adverse effect upon the Work. The Constructor shall resume Work in the area affected by any Hazardous Material only upon written agreement between the Parties after the Hazardous Material has been removed or rendered harmless and only after approval, if necessary, of the governmental agency with jurisdiction.

3.13.5 If the Constructor incurs additional costs or is delayed due to the presence or remediation of Hazardous Material, the Constructor shall be entitled to an equitable adjustment in the Contract Price or the Contract Time.

3.13.6 To the extent permitted by section 6.9 and to the extent not caused by the negligent acts or omissions of the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, the Owner shall defend, indemnify, and hold harmless the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, from and against all claims, damages, losses, costs, and expenses, including but not limited to reasonable attorneys' fees, costs, and expenses incurred in connection with any dispute resolution process, arising out of or relating to the performance of the Work in any area affected by Hazardous Material.

### 3.13.7 MATERIALS BROUGHT TO THE WORKSITE

3.13.7.1 Material Safety Data (MSD) sheets as required by law and pertaining to materials or substances used or consumed in the performance of the Work, whether obtained by the Constructor, Subcontractors, the Owner, or Others, shall be maintained at the Worksite by the Constructor and made available to the Project Architect, Subcontractors, and Others.

3.13.7.2 The Constructor shall be responsible for the proper delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents and used or consumed in the performance of the Work.

3.13.7.3 To the extent caused by the negligent acts or omissions of the Constructor, its agents, officers, directors, and employees, the Constructor shall indemnify and hold harmless the Owner, its agents, officers, directors, and employees, from and against any and all claims, damages, losses, costs, and expenses, including but not limited to attorneys' fees, costs, and expenses incurred in connection with any dispute resolution procedure, arising out of or relating to the delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents.

3.13.7.4 This section 3.13.7 shall survive the completion of the Work or any termination of this Agreement.

### 3.14 SUBMITTALS

3.14.1 The Constructor shall submit to the Project Architect all shop drawings, samples, product data, and similar submittals required by the Contract Documents for review and approval. The Constructor shall be responsible for the accuracy and conformity of its submittals to the Contract Documents. At no additional cost, the Constructor shall prepare and deliver its submittals in a manner consistent with the Schedule of the Work and in such time and sequence so as not to delay the performance of the Work or the work of the Owner and Others. Constructor submittals shall identify in writing for each submittal all changes, deviations, or substitutions from the requirements of the Contract Documents. The approval of any Constructor submittal shall not be deemed to authorize changes, deviations or substitutions from the requirements of the Contract Documents unless express written approval is obtained from the Project Architect specifically authorizing such deviation, substitution or change. To the extent a change, deviation or substitution causes an impact to the Contract Price or Contract Time, such approval shall be promptly memorialized in a Change Order. Neither the Project Architect nor Owner shall make any change, deviation or substitution through the submittal process without specifically identifying and authorizing such deviation to the Constructor.

3.14.2 The Constructor agrees upon request to submit in a timely fashion to the Project Architect, with copies to the Owner's Representative, for review any shop drawings, samples, product data, manufacturers' literature or similar submittals as may reasonably be required by the Project Architect.

3.14.3 The Constructor shall perform all Work strictly in accordance with approved submittals. Approval of shop drawings is not an authorization to perform changed work, unless the procedures of ARTICLE 8 are followed. Approval does not relieve the Constructor from responsibility for Defective Work resulting from errors or omissions on the approved shop drawings.

3.14.4 No substitutions shall be made in the Work unless permitted in the Contract Documents and then only after the Constructor obtains approvals required under the Contract Documents for substitutions. All such substitutions shall be promptly memorialized in a Change Order no later than seven (7) Days following approval by the Project Manager and the Owner and, if applicable, Design Professional provide for an adjustment in the Contract Price or Contract Time.

3.14.5 As-Built Documents: The Constructor shall maintain at the Worksite for the Owner one (1) copy of each of the Drawings and Specifications, Addenda, Change Orders, and other modifications, in good order and marked to indicate field changes and selections made during construction; and one (1) copy or sample of approved shop Drawings, Product Data, Samples, and similar required submittals.

3.15.5.1 General: Retain copy of each submittal made and each Addenda, Change Order, and Contract amendment issued affecting Contract Documents during the Construction Period for Project As-Built Document purposes. Post changes and modifications to Project As-Built Documents as they occur; do not wait until the end of the Project.

3.15.5.2 Maintenance of As-Built Documents: Store Project As-Built Documents in the field apart from the Contract Documents used for construction. Do not use Project As-Built Documents for construction purposes. Maintain Project As-Built Documents in good order and in clean, dry, legible condition, protected from deterioration and loss. Provide



access to Project As-Built Documents for Project Architect's reference during normal working hours.

- (a) Project Architect shall evaluate As-Built Drawings for document condition, order, legibility, accuracy and completeness. Project Architect shall notify Constructor of acceptance or request revisions or replacements and resubmittal. Constructor shall supply acceptable As-Built Drawings within seven (7) Days and prior to Final Payment for the Project.
- (b) Project Architect shall be responsible for creating digital Record Drawings incorporating the mark-ups on the As-Built Drawings submitted by the Constructor. Project Architect will issue digital Record Drawings to the Constructor and Owner within fourteen (14) Days following Final Payment and distribute a minimum of one (1) copy each of Record Drawings to Owner, Project Architect and Constructor.

3.15.8.4 As Built Specifications and Record Specifications: Maintain at the Worksite for the Owner a copy of Contract Documents for purposes of annotating where the actual product installation varies from that indicated. Submit the annotated portions of the Contract Documents to Project Architect prior to requesting a Substantial Completion Inspection. Project Architect may request corrections from the Constructor to make the submittal more legible and complete. Project Architect shall be responsible for maintaining its own records on variations in product installations, assembling Record Specifications for the Project in a digital format and for distributing them to the Owner and Constructor at the conclusion of the Project. In preparing the Record Specifications, Project Architect shall:

- (a) Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
- (b) Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
- (c) Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
- (d) Note related Change Orders and Record Drawings where applicable.

### 3.15 WORKSITE CONDITIONS

3.15.1 WORKSITE VISIT The Constructor acknowledges that it has visited, or has had the opportunity to visit, the Worksite to visually inspect the general and local conditions which could affect the Work.

3.15.2 CONCEALED OR UNKNOWN SITE CONDITIONS If the conditions encountered at the Worksite are (a) subsurface or other physical conditions materially different from those indicated in the Contract Documents, or (b) unusual and unknown physical conditions materially different from conditions ordinarily encountered and generally recognized as inherent in Work provided for in the Contract Documents, the Constructor shall stop affected Work after the condition is first observed and give prompt written notice of the condition to the Project Architect. The Constructor shall not be required to perform any Work relating to the unknown condition without the written mutual agreement of the Parties. Any change in the Contract Price or the Contract Time as a result of the unknown condition shall be determined as provided in ARTICLE 8.

### 3.16 PERMITS AND TAXES

3.16.1 The Constructor shall give public authorities all notices required by law and shall obtain and pay for all necessary permits, licenses, and renewals pertaining to the Work. The Constructor shall provide to the Project Architect and the Owner's Representative copies of all notices, permits, licenses, and renewals required under this Agreement.

3.16.2 The Constructor shall pay all applicable taxes enacted when bids are received or negotiations concluded for the Work provided by the Constructor.

3.16.3 If, in accordance with the Owner's direction, the Constructor claims an exemption for taxes, the Owner shall indemnify and hold the Constructor harmless from any liability, penalty, interest, fine, tax assessment, attorneys' fees, or other expense or cost incurred by the Constructor as a result of any such action.

### 3.17 CUTTING, FITTING, AND PATCHING

3.17.1 The Constructor shall perform cutting, fitting and patching necessary to coordinate the various parts of the Work and to prepare its Work for the work of the Owner or Others.

3.17.2 Cutting, patching or altering the work of the Owner or Others shall be done with the prior written approval of the Owner. Such approval shall not be unreasonably withheld.

### 3.18 CLEANING UP

3.18.1 The Constructor shall regularly remove debris and waste materials at the Worksite resulting from the Work. Prior to discontinuing Work in an area, the Constructor shall clean the area and remove all rubbish and its construction equipment, tools, machinery, waste, and surplus materials. The Constructor shall minimize and confine dust and debris resulting from construction activities. At the completion of the Work, the Constructor shall remove from the Worksite all construction equipment, tools, surplus materials, waste materials, and debris.

3.18.2 If the Constructor fails to commence compliance with cleanup duties within two (2) Business Days after written notification from the Project Architect of non-compliance, the Project Architect may implement appropriate cleanup measures without further notice and shall deduct the reasonable costs from any amounts due or to become due the Constructor in the next payment period.

3.19 ACCESS TO WORK The Constructor shall facilitate the access of the Project Architect, Owner, and Others to Work in progress.

3.20 COMPLIANCE WITH LAWS The Constructor shall comply with all Laws at its own costs. The Constructor shall be liable to the Owner for all loss, cost, or expense attributable to any acts or omissions by the Constructor, its employees, subcontractors, and agents for failure to comply with Laws, including fines, penalties, or corrective measures. However, liability under this section shall not apply if notice to the Project Architect was given, and advance approval by appropriate authorities, including the Owner, is received.

3.20.1 The Contract Price or Contract Time shall be equitably adjusted by Change Order for additional costs resulting from any changes in Laws, including increased taxes, which were not reasonably anticipated and then enacted after the date of this Agreement.

3.21 CONFIDENTIALITY Unless compelled by law, a governmental agency or authority, an order of a court of competent jurisdiction, or a validly issued subpoena, the Constructor shall treat as confidential and not disclose to third-persons, except Subcontractors, Subsubcontractors, and Material Suppliers as is necessary for the performance of the Work, or use for its own benefit, any of the Owner's confidential information, know-how, discoveries, production methods, and the like that may be disclosed to the Constructor or which the Constructor may acquire in connection with the Work. The Owner shall treat as confidential information, all of the Constructor's estimating systems and historical and parameter cost data that may be disclosed to the Owner in connection with the performance of this Agreement. The Owner and the Constructor shall each specify those items to be treated as confidential and shall mark them as "Confidential." In the event of a legal compulsion or other order seeking disclosure of any Confidential Information, the Constructor or Owner, as the case may be, shall promptly notify the other Party to permit that Party's legal objection, if necessary.

#### **ARTICLE 4 OWNER'S RESPONSIBILITIES**

4.1 INFORMATION AND SERVICES Any information or services to be provided by Owner shall be fulfilled with reasonable detail and in a timely manner.

4.2 WORKSITE INFORMATION To the extent the Owner has obtained, or is required elsewhere in the Contract Documents to obtain, the following Worksite information, the Owner shall provide at the Owner's expense and with reasonable promptness:

4.2.1 Information describing the physical characteristics of the Worksite, including surveys, Worksite evaluations, legal descriptions, data or drawings depicting existing conditions, subsurface conditions, and environmental studies, reports, and investigations. Legal descriptions shall include easements, title restrictions, boundaries, and zoning restrictions. Worksite descriptions shall include existing buildings and other construction and all other pertinent Worksite conditions. Adjacent property descriptions shall include structures, streets, sidewalks, alleys, and other features relevant to the Work. Utility details shall include available services, lines at the Worksite and adjacent thereto, and connection points. The information shall include public and private information, subsurface information, grades, contours, and elevations, drainage data, exact locations and dimensions, and benchmarks that can be used by the Constructor in laying out the Work;

4.2.2 Tests, inspections, and other reports dealing with environmental matters, Hazardous Material and other existing conditions, including structural, mechanical, and chemical tests, required by the Contract Documents or by Law; and

4.2.3 Any other information or services requested in writing by the Constructor which are required for the Constructor's performance of the Work and under the Owner's control.

4.3 OWNER'S CUTTING AND PATCHING Cutting, patching, or altering the Work by the Owner or Others shall be done with the prior written approval of the Constructor, which approval shall not be unreasonably withheld.

4.4 OWNER'S RIGHT TO CLEAN UP In case of a dispute between the Constructor and Others with regard to respective responsibilities for cleaning up at the Worksite, the Owner may implement appropriate cleanup measures after two (2) Business Days' notice and allocate the cost among those responsible during the following pay period.

4.5 COST OF CORRECTING DAMAGED OR DESTROYED WORK With regard to damage or loss attributable to the acts or omissions of the Owner or Others and not to the Constructor, the Owner may either (1) promptly remedy the damage or loss or (2) accept the damage or loss. If the Constructor incurs



additional costs or is delayed due to such loss or damage, the Constructor shall be entitled to an equitable adjustment in the Contract Price or Contract Time.

## **ARTICLE 5 SUBCONTRACTS**

5.1 SUBCONTRACTORS The Work not performed by the Constructor with its own forces shall be performed by Subcontractors holding valid Public Works Contractor licenses pursuant to Idaho Code § 54-1902. All subcontracts shall be issued on a lump sum basis unless the Owner has given prior written approval of a different method of payment to the Subcontractor.

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK Promptly after the award of this Agreement, the Constructor shall provide the Project Architect and Owner's Representative with a written list of the proposed Subcontractors and significant Material suppliers.

5.3 BINDING OF SUBCONTRACTORS AND MATERIAL SUPPLIERS The Constructor agrees to bind every Subcontractor and Material Supplier (and require every Subcontractor to so bind its subcontractors and material suppliers) to all the provisions of this Agreement and the Contract Documents as they apply to the Subcontractor's or Material Supplier's portions of the Work.

### **5.4 CONTINGENT ASSIGNMENT OF SUBCONTRACTS**

5.4.1 If this Agreement is terminated, each subcontract and supply agreement shall be assigned by the Constructor to the Owner, subject to the prior rights of any surety, provided that:

5.4.1.1 this Agreement is terminated by the Owner pursuant to sections 11.3 or 11.4; and

5.4.1.2 the Owner accepts such assignment after termination by notifying the Subcontractor and Constructor in writing, and assumes all rights and obligations of the Constructor pursuant to each subcontract agreement.

5.4.2 If the Owner accepts such an assignment, and the Work has been suspended for more than thirty (30) consecutive Days, following termination, if appropriate, the Subcontractor's compensation shall be equitably adjusted as a result of the suspension.

## **ARTICLE 6 TIME**

6.1 DATE OF COMMENCEMENT The Constructor shall not commence the Work until it receives a written notice to proceed from the Owner. The notice to proceed shall identify the Date of Commencement.

6.2 SUBSTANTIAL/FINAL COMPLETION Substantial Completion of the Work shall be achieved in **ONE HUNDRED THIRTY (130) DAYS** from the Date of Commencement. Unless otherwise specified in the Certificate of Substantial Completion, the Constructor shall achieve Final Completion within TWENTY-ONE (21) Days after the date of Substantial Completion. The deadlines for Substantial and Final Completion are subject to adjustments as provided for in the Contract Documents.

6.3 Time is of the essence for this Agreement and the Contract Documents.

6.4 Unless instructed by the Owner in writing, the Constructor shall not knowingly commence the Work before the effective date of insurance and bonds to be provided by the Constructor or the Owner as required by the Contract Documents.

AGREEMENT BETWEEN OWNER AND CONTRACTOR  
EISENMAN ROAD PEDESTRIANIMPROVEMENTS

## 6.5 SCHEDULE OF THE WORK

6.5.1 Before submitting the first application for payment, the Constructor shall submit to the Project Architect and Owner's Representative for approval a Schedule of the Work showing the dates on which the Constructor plans to commence and complete various parts of the Work, including dates on which information and approvals are required from the Project Architect. The Constructor shall comply with the approved Schedule of the Work, unless directed by the Project Architect to do otherwise or the Constructor is otherwise entitled to an adjustment in the Contract Time. The Constructor shall update the Schedule of the Work on a monthly basis or at appropriate intervals as required by the conditions of the Work and the Project.

6.5.2 The Project Architect may determine the sequence in which the Work shall be performed, provided it does not unreasonably interfere with the Schedule of the Work. The Owner may require the Constructor to make reasonable changes in the sequence at any time during the performance of the Work in order to facilitate the performance of work by the Owner or Others. To the extent such changes increase the Constructor's costs or time, the Contract Price and Contract Time shall be equitably adjusted.

## 6.6 DELAYS AND EXTENSIONS OF TIME

6.6.1 If the Constructor is delayed at any time in the commencement or progress of the Work by any cause beyond the control of the Constructor, the Constructor shall be entitled to an equitable extension of the Contract Time. Examples of causes beyond the control of the Constructor include, but are not limited to, the following: (a) acts or omissions of the Project Architect, Owner, or Others; (b) changes in the Work or the sequencing of the Work ordered by the Project Architect or Owner, or arising from decisions of the Project Architect or Owner that impact the time of performance of the Work; (c) encountering Hazardous Materials, or concealed or unknown conditions; (d) delay authorized by the Project Architect or Owner pending dispute resolution or suspension by the Owner under section 11.1; (e) transportation delays not reasonably foreseeable; (f) labor disputes not involving the Constructor; (g) general labor disputes impacting the Project but not specifically related to the Worksite; (h) fire; (i) Terrorism; (j) epidemics; (k) adverse governmental actions; (l) unavoidable accidents or circumstances; (m) adverse weather conditions not reasonably anticipated. The Constructor shall submit any requests for equitable extensions of Contract Time in accordance with the provisions of ARTICLE 8.

6.6.2 In addition, if the Constructor incurs additional costs as a result of a delay that is caused by items (a) through (m) immediately above, the Constructor shall be entitled to an equitable adjustment in the Contract Price subject to section 6.9.

6.6.3 NOTICE OF DELAYS If delays to the Work are encountered for any reason, the Constructor shall provide prompt written notice to the Project Architect with a copy to the Owner's Representative of the cause of such delays after the Constructor first recognizes the delay. The Owner and the Constructor agree to take reasonable steps to mitigate the effect of such delays.

6.7 NOTICE OF DELAY CLAIMS If the Constructor requests an equitable extension of the Contract Time or an equitable adjustment in the Contract Price as a result of a delay described in the section above, the Constructor shall give the Owner written notice of the claim in accordance with section 8.4. If the Constructor causes delay in the completion of the Work, the Owner shall be entitled to recover its additional costs subject to section 6.9. The Owner shall process any such claim against the Constructor in accordance with ARTICLE 8.

## 6.8 LIQUIDATED DAMAGES

6.8.1 SUBSTANTIAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Substantial Completion.

6.8.1.1 The Constructor understands that if the Date of Substantial Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Substantial Completion is not attained, the Constructor shall pay the Owner FIVE HUNDRED DOLLARS (\$500.00) as liquidated damages and not as a penalty for each Day that Substantial Completion extends beyond the Date of Substantial Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Substantial Completion.

6.8.2 FINAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Final Completion.

6.8.2.1 The Constructor understands that if the Date of Final Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Final Completion is not attained, the Constructor shall pay the Owner FIVE HUNDRED DOLLARS (\$500.00) as liquidated damages and not as a penalty for each Day that Final Completion extends beyond the Date of Final Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Final Completion.

6.8.3 OTHER LIQUIDATED DAMAGES The Owner and the Constructor may agree upon the imposition of liquidated damages based on other project milestones or performance requirements. Such agreement shall be included as an exhibit to this Agreement.

6.9 LIMITED MUTUAL WAIVER OF CONSEQUENTIAL DAMAGES Except for damages mutually agreed upon by the Parties as liquidated damages in subsections 6.8 and excluding losses covered by insurance required by the Contract Documents, the Owner and the Constructor agree to waive all claims against each other for any consequential damages that may arise out of or relate to this Agreement, except for those specific items of damages excluded from this waiver as mutually agreed upon by the Parties and identified below. The Owner agrees to waive damages, including but not limited to the Owner's rental expenses incurred, loss of financing related to the Project, as well as the loss of financing not related to this Project, loss of reputation, or insolvency. The Constructor agrees to waive damages, including but not limited to loss of business, loss of financing, loss of profits not related to this Project, loss of bonding capacity, loss of reputation, or insolvency. The provisions of this section shall also apply to the termination of this Agreement and shall survive such termination.

6.9.1 The Owner and the Constructor shall require similar waivers in contracts with Subcontractors and Others retained for the Project.

## ARTICLE 7 PRICE

7.1 As full compensation for performance by the Constructor of the Work in conformance with the Contract Documents, the Owner shall pay the Constructor the not to exceed price of **DOLLAR AMOUNT IN WORDS (\$000,000)**. The not to exceed price is hereinafter referred to as the Contract Price, which shall be subject to increase or decrease as provided in Section 7.1.1 and ARTICLE 8.

7.1.1 The unit prices set forth in Division 00 Section 00 41 13, the Constructor's submitted Bid Form Proposal dated **DATE, 2023**, shall be the basis for the Contract Price. Payment at the unit price will be based on actual measured quantities in accordance with the Contract Documents, except where the unit is a lump sum, in which case payment will be based upon the lump sum price as stated. The unit price and payment made for each item listed shall constitute full compensation for furnishing all labor, materials, bonds, insurance, and equipment, and performing any associated Constructor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items. The sum of the unit prices times the contract quantities plus the sum of non-unit price items shall mean "Contract Price." The Contract Price shall be subject to increase or decrease based upon the actually accepted quantities performed times the current contract unit prices as provided in Article 8.

## **ARTICLE 8 CHANGES**

Changes in the Work that are within the general scope of this Agreement shall be accomplished, without invalidating this Agreement, by Change Order and Interim Directed Change.

### **8.1 CHANGE ORDER**

8.1.1 The Constructor may request or the Owner may order, at any time before completion of the Project, changes in the Work or the timing or sequencing of the Work that impacts the Contract Price or the Contract Time. All such changes in the Work that affect Contract Time or Contract Price shall be formalized in a Change Order. All terms and conditions of the original contract shall become a part of each Change Order.

8.1.1.1 Owner-Initiated Proposal Requests: Before any change is made or work done, the Owner will issue a detailed written description of proposed changes in the Work. Proposal requests issued by the Owner are for information only. The Constructor shall not consider them instructions either to stop Work in progress or to execute the proposed change. Promptly after receipt of such instructions, the Constructor shall submit to the Owner within ten (10) days a proposal with a detailed estimate showing the cost of the proposed change in the Work, including a detailed breakdown of costs for the additional work as well as the credit for the original Work, and a revised schedule showing the extension of time, if any. The revised schedule showing any time extension shall be submitted in writing under separate cover and approved by Owner. The Owner shall promptly notify the Constructor in writing whether the estimate is acceptable and, if it is, in writing authorize the change to be made or Work to be done. The Owner reserves the right to reject any such proposal and to have the work done by others.

8.1.1.2 Constructor-Initiated Proposals: If the Constructor contends that it has encountered conditions, changes, or occurrences entitling it to a change in the Contract or an adjustment in the contract schedule or price, the Constructor shall propose changes by submitting a written request for a change to the Owner. The proposal shall include a statement outlining reasons for the change and the effect of the change on the Work, the effect of the proposed change on the Contract Sum including a detailed breakdown of costs for the additional work as well as the credit for the original Work, list of quantities of products required or eliminated, applicable taxes, delivery charges, equipment rental, and amounts of trade discounts and a revised schedule showing any time extension. The proposal shall be submitted to the Owner within ten (10) days of the discovery of the condition, changes, or occurrences for review and approval. Except in an emergency, the proposal shall be given before proceeding with the Work. The failure of the Constructor to provide the written proposal as provided herein within such time period shall constitute a waiver by the Constructor of any claim for compensation or time extension, notwithstanding any purported

knowledge or lack of prejudice of the Owner. This written proposal requirement may not be waived, except explicitly and in writing by the Owner.

8.1.2 NO OBLIGATION TO PERFORM The Constructor shall not be obligated to perform changes in the Work that impact Contract Price or Contract Time until a Change Order has been executed or a written Interim Directed Change has been issued.

## 8.2 INTERIM DIRECTED CHANGE

8.2.1 The Owner may issue a written Interim Directed Change directing a change in the Work prior to reaching agreement with the Constructor on the adjustment, if any, in the Contract Price or the Contract Time. The Constructor shall proceed with the change in the Work when indicated in writing by Owner, for subsequent inclusion in a Change Order.

8.2.2 The Owner and the Constructor shall negotiate expeditiously and in good faith for appropriate adjustments, as applicable, to the Contract Price or the Contract Time arising out of an Interim Directed Change. As the changed Work is performed, the Constructor shall submit its costs for such Work with its application for payment beginning with the next application for payment within thirty (30) Days of the issuance of the Interim Directed Change. If there is a dispute as to the cost to the Owner, the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform such Work. In such event, the Parties reserve their rights as to the disputed amount, subject to the requirements of ARTICLE 12.

8.2.3 When the Owner and the Constructor agree upon the adjustment in the Contract Price or the Contract Time, for a change in the Work directed by an Interim Directed Change, such agreement shall be the subject of a Change Order. The Change Order shall include all outstanding Interim Directed Changes on which the Owner and Constructor have reached agreement on Contract Price or Contract Time issued since the last Change Order.

## 8.3 DETERMINATION OF COST OR CREDIT

8.3.1 An increase or decrease in the Contract Price or the Contract Time resulting from a change in the Work shall be determined by one or more of the following methods:

8.3.1.1 Unit prices set forth in this Agreement or as subsequently agreed;

8.3.1.2 A mutually accepted, itemized lump sum;

8.3.2 "Cost of the Work" shall include the following costs necessary and reasonably incurred by Constructor to perform a change in the Work. For Constructor self-performed Changes in the Work, Change Order markup costs for Constructor are limited to 10% for Overhead and profit on direct costs of the Constructor. For Subcontractor performed Work, any Change Order markup costs for Constructor are limited to 5% for Overhead and profit on direct costs of the Constructor and any markup costs for Subcontractors are limited to 10% for Overhead and profit on direct costs of the Subcontractors.

8.3.2.1 Wages paid for labor in the direct employ of the Constructor in the performance of the Work.

8.3.2.2 Salaries of the Constructor's employees when stationed at the field office or branch office to the extent necessary to complete the applicable Work and employees engaged on the road expediting the production or transportation of material and equipment;



8.3.2.3 Cost of applicable employee benefits and taxes, including but not limited to, workers' compensation, unemployment compensation, social security, health, welfare, retirement and other fringe benefits as required by law, labor agreements, or paid under the Constructor's standard personnel policy, insofar as such costs are paid to employees of the Constructor who are included in the Cost of the Work in subsections .1 and .2 immediately above;

8.3.2.4 Reasonable transportation, travel, and hotel expenses of the Constructor's personnel incurred in connection with the Work;

8.3.2.5 Cost of all materials, supplies, and equipment incorporated in the Work, including costs of inspection and testing if not provided by the Owner, transportation, storage, and handling.

8.3.2.6 Payments made by the Constructor to Subcontractors for Work performed under this Agreement;

8.3.2.7 Cost, including transportation and maintenance of all materials, supplies, equipment, temporary facilities, and hand tools not owned by the workers that are used or consumed in the performance of the Work, less salvage value or residual value; and cost less salvage value of such items used, but not consumed that remain the property of the Constructor;

8.3.2.8 Rental charges of all necessary machinery and equipment, exclusive of hand tools owned by workers, used at the Worksite, whether rented from the Constructor or Others, including installation, repair and replacement, dismantling, removal, maintenance, transportation, and delivery costs. Rental from unrelated third parties shall be reimbursed at actual cost. Rentals from the Constructor or its affiliates, subsidiaries, or related parties shall be reimbursed at the prevailing rates in the locality of the Worksite up to eighty-five percent (85%) of the value of the piece of equipment;

8.3.2.9 Cost of the premiums for all insurance and surety bonds which the Constructor is required to procure or deems necessary, and approved by the Owner including any additional premium incurred as a result of any increase in the cost of the Work;

8.3.2.10 Sales, use, gross receipts or other taxes, tariffs, or duties related to the Work for which the Constructor is liable;

8.3.2.11 Permits, fees, licenses, tests, and royalties;

8.3.2.12 Reproduction costs, photographs, facsimile transmissions, long-distance telephone calls, data processing costs and services, postage, express delivery charges, data transmission, telephone service, and computer-related costs at the Worksite to the extent such items are used and consumed in the performance of the Work or are not capable of use after completion of the Work;

8.3.2.13 All water, power, and fuel costs necessary for the Work;

8.3.2.14 Cost of removal of all nonhazardous substances, debris, and waste materials;

8.3.2.15 All costs directly incurred to perform a change in the Work which are reasonably inferable from the Contract Documents for the Changed Work.

8.3.3 DISCOUNTS All discounts for prompt payment shall accrue to the Owner. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment, shall be credited to the Cost of the Work.

8.3.4 COST REPORTING The Constructor shall maintain in conformance with generally accepted accounting principles a complete and current set of records that are prepared or used by the Constructor to calculate the Cost of Work. The Owner shall be afforded access to the Constructor's records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to requested payment for Cost of the Work. The Constructor shall preserve all such records for a period of three (3) years after the final payment or longer where required by law.

8.3.5 COST AND SCHEDULE ESTIMATES The Constructor shall use reasonable skill and judgment in the preparation of a cost estimate or schedule for a change to the Work, but does not warrant or guarantee their accuracy.

8.3.6 If an increase or decrease in the Contract Price or Contract Time cannot be agreed to as set forth in subsection 8.3.1, and the Owner issues an Interim Directed Change, the cost of the change in the Work shall be determined by the reasonable actual expense incurred and savings realized in the performance of the Work resulting from the change. If there is a net increase in the Contract Price, the Constructor's Overhead and profit shall be adjusted accordingly. In case of a net decrease in the Contract Price, the Constructor's Overhead and profit shall not be adjusted unless ten percent (10%) or more of the Project is deleted. The Constructor shall maintain a documented, itemized accounting evidencing the expenses and savings.

8.3.7 UNIT PRICES If the quantity of a unit-priced item in this contract is an estimated quantity and the actual quantity of the unit-priced item varies more than fifteen percent (15%) above or below the estimated quantity, an equitable adjustment in the contract price shall be made upon demand of either party. The equitable adjustment shall be based upon any increase in costs due solely to the variation above fifteen percent (15%) or solely to the decrease below fifteen percent (15%) of the estimated quantity. If unit prices are set forth in the Contract Documents or are subsequently agreed to by the Parties, but the character or quantity of such unit items as originally contemplated is so different in a proposed Change Order that the original unit prices will cause substantial inequity to the Owner or the Constructor, such unit prices shall be equitably adjusted.

8.3.8 If the Owner and the Constructor disagree as to whether work required by the Owner is within the scope of the Work, the Constructor shall furnish the Owner with an estimate of the costs to perform the disputed work in accordance with the Owner's interpretations. If the Owner issues a written order for the Constructor to proceed, the Constructor shall perform the disputed work and the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform the work. In such event, both Parties reserve their rights as to whether the work was within the scope of the Work, subject to the requirements of ARTICLE 12. The Owner's payment does not prejudice its right to be reimbursed should it be determined that the disputed work was within the scope of the Work. The Constructor's receipt of payment for the disputed work does not prejudice its right to receive full payment for the disputed work should it be determined that the disputed work is not within the scope of the Work.

#### 8.4 CLAIMS FOR ADDITIONAL COST OR TIME

8.4.1 Suspension of Work: Constructor shall not proceed with work which would alter, cover, damage or destroy evidence in support of Constructor's Claim. If Constructor proceeds to perform Work, with or without notice to Project Architect, that alters, covers, damages or destroys evidence in support of Constructor's Claim, Constructor is indicating by proceeding its acceptance and agreement that the work performed does not add to the Contract Sum or Contract Time.

8.4.2 Action on Change Order: Project Architect shall review the Claim and shall forward recommendations to Owner regarding the Claim within five (5) business days. Negotiation of changes to the Contract Sum and/or Contract Time between the Owner and Contractor shall follow the procedures set forth in the Contract Documents.

8.4.3 Owner and Project Architect shall respond in writing approving or denying the Constructor's claim no later than fourteen (14) Days after receipt of the Constructor's claim. Owner's failure to so respond shall be deemed a denial of the claim. Any change in the Contract Price or the Contract Time resulting from such claim shall be authorized by Change Order.

8.5 INCIDENTAL CHANGES The Project Architect may direct the Constructor to perform incidental changes in the Work, upon concurrence with the Constructor that such changes do not involve adjustments in the Contract Price or Contract Time. Incidental changes shall be consistent with the scope and intent of the Contract Documents. The Project Architect shall initiate an incidental change in the Work by issuing a written order to the Constructor. Such written notice shall be carried out promptly and is binding on the Parties.

## **ARTICLE 9 PAYMENT**

9.1 SCHEDULE OF VALUES In accordance with requirements in Division 01 Section 01 29 00 for "Schedule of Values," the Constructor shall prepare and submit to the Project Architect a Schedule of Values apportioned to the various divisions or phases of the Work. If the Contract Price is made up of unit prices, Constructor shall submit a schedule of values for all items whose value is a lump sum and that will take more than one month to perform. Each line item contained in the Schedule of Values shall be assigned a value such that the total of all items shall equal the Contract Price. Maintain the Schedule of Values during the construction period. If the Schedule of Values is revised, submit the updated Schedule of Values for Project Architect's review and approval after each meeting or other activity where revisions have been recognized or made.

### **9.2 APPLICATIONS FOR PAYMENT**

9.2.1 PROGRESS PAYMENTS In accordance with requirements in Division 01 Section 01 29 00 for "Applications for Payment", the Constructor shall submit to the Project Architect a monthly application for payment no later than the 5th Business Day of the calendar month for the preceding thirty (30) Days. Constructor's applications for payment shall be itemized and supported by the Constructor's Schedule of Values, quantities of unit price items acceptably installed, and any other substantiating data as required by this Agreement. Applications for payment shall include payment requests on account of properly authorized Change Orders or Interim Directed Changes. The Owner shall pay the amount otherwise due on any payment application, as certified by the Project Architect, no later than thirty (30) Days after the Constructor has submitted a complete and accurate payment application and the Owner has approved the Constructor's payment application, or such shorter time period as required by applicable state statute. The Owner may deduct from any progress payment amounts that may be retained pursuant to subsection 9.2.4. The initial Application for Payment and the Applications for Payment at Substantial Completion and Final Completion have additional requirements as stated in Division 01 Section 01 29 00 "Applications for Payment".

9.2.2 STORED MATERIALS AND EQUIPMENT Unless otherwise provided in the Contract Documents, applications for payment may include materials and equipment not yet incorporated into the Work but delivered to and suitably stored onsite or offsite including applicable insurance, storage, and costs incurred in transporting the materials to an offsite storage facility. Approval of payment applications for stored materials and equipment stored offsite shall be conditioned on a submission by the Constructor of bills of sale and proof of required insurance, or such other



documentation satisfactory to the Owner to establish the proper valuation of the stored materials and equipment, the Owner's title to such materials and equipment, and to otherwise protect the Owner's interests therein, including transportation to the Worksite.

**9.2.3 LIEN WAIVERS AND LIENS** Constructor acknowledges Owner is a public entity, that any property owned by Owner is considered public property, and that liens on public property are not enforceable. Constructor agrees that it shall not file any liens against property owned or controlled by Owner or by Ada County Highway District ("ACHD") which is a part of the Worksite (the "Property"). Constructor agrees that no lien will be at any time be filed against the Property, or any part thereof, by any of Constructor's subcontractors or other person employed by or furnishing labor, services, equipment, or materials to Constructor or any of its subcontractors for, in, or about the performance of the Work. The preceding clause will be inserted in all of the Constructor's or any of its subcontractor's purchase orders and material agreements. Subject to Owner's payment of the compensation in accordance with the terms of this Agreement, Constructor will promptly discharge all liens, if any, filed against the Property by Constructor's subcontractors, suppliers and materialmen, and agents and persons employed by any of such persons.

**9.2.4 RETAINAGE** From each progress payment made prior to Substantial Completion, the Owner may retain FIVE percent (5%) of the amount otherwise due after deduction of any amounts as provided in section 9.3, and in no event shall such percentage exceed any applicable statutory requirements. If the Owner chooses to use this retainage provision:

9.2.4.1 the Owner may, in its sole discretion, reduce the amount to be retained at any time;

9.2.4.2 the Owner may release retainage on that portion of the Work a Subcontractor has completed in whole or in part, and which the Owner has accepted. In lieu of retainage, the Constructor may furnish a retention bond or other security interest acceptable to the Owner, to be held by the Owner.

**9.3 ADJUSTMENT OF CONSTRUCTOR'S PAYMENT APPLICATION** The Owner may adjust or reject a payment application or nullify a previously approved payment application, in whole or in part, as may reasonably be necessary to protect the Owner from loss or damage based upon the following, to the extent that the Constructor is responsible under this Agreement:

9.3.1 the Constructor's repeated failure to perform the Work as required by the Contract Documents;

9.3.2 Except as accepted by the insurer providing builders risk or other property insurance covering the project, loss or damage arising out of or relating to this Agreement and caused by the Constructor to the Owner or to Others to whom the Owner may be liable;

9.3.3 the Constructor's failure to properly pay Subcontractors and Material Suppliers following receipt of such payment from the Owner;

9.3.4 rejected, nonconforming or Defective Work not corrected in a timely fashion;

9.3.5 reasonable evidence of delay in performance of the Work such that the Work will not be completed within the Contract Time;

9.3.6 reasonable evidence demonstrating that the unpaid balance of the Contract Price is insufficient to fund the cost to complete the Work; and

9.3.7 uninsured third-party claims involving the Constructor, or reasonable evidence demonstrating that third-party claims are likely to be filed unless and until the Constructor furnishes the Owner with

adequate security in the form of a surety bond, letter of credit, or other collateral or commitment sufficient to discharge such claims if established.

No later than seven (7) Days after receipt of an application for payment, the Project Architect shall give written notice to the Constructor, at the time of disapproving or nullifying all or part of an application for payment, stating its specific reasons for such disapproval or nullification, and the remedial actions to be taken by the Constructor in order to receive payment. When the above reasons for disapproving or nullifying an application for payment are removed, payment will be promptly made for the amount previously withheld.

**9.4 ACCEPTANCE OF WORK** Neither the Owner's payment of progress payments nor its partial or full use or occupancy of the Project constitutes acceptance of Work not complying with the Contract Documents.

**9.5 PAYMENT DELAY** If for any reason not the fault of the Constructor, the Constructor does not receive a progress payment from the Owner within seven (7) Days after the time such payment is due, then the Constructor, upon giving seven (7) Days' written notice to the Owner, and without prejudice to and in addition to any other legal remedies, may stop Work until payment of the full amount owing to the Constructor has been received. Interest shall not accrue on any unpaid amounts. The Contract Price and Contract Time shall be equitably adjusted by a Change Order for reasonable cost and delay resulting from shutdown, delay and start-up.

#### **9.6 SUBSTANTIAL COMPLETION**

**9.6.1 CLOSEOUT PROCEDURES** The Constructor shall comply with the requirements stated in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor's compliance with the requirements in sections 9.6 and 9.7.

**9.6.2** The Constructor shall notify the Project Architect and, if directed, the Owner, when it considers Substantial Completion of the Work or a designated portion to have been achieved. The Project Architect and Owner's Representative shall promptly conduct an inspection to determine whether the Work or designated portion can be occupied or used for its intended use by the Owner without excessive interference in completing any remaining unfinished Work. If the Project Architect determines that the Work or designated portion has not reached Substantial Completion, the Project Architect shall promptly compile a list of items ("Punch List") to be completed or corrected so the Owner may occupy or use the Work or designated portion for its intended use. The Constructor shall promptly complete all items on the Punch List and the list compiled by the Project Architect.

**9.6.3** When Substantial Completion of the Work or a designated portion is achieved, the Owner shall prepare a Certificate of Substantial Completion establishing the date of Substantial Completion and the respective responsibilities of the Owner and Constructor for interim items such as security, maintenance, utilities, insurance, and damage to the Work. In the absence of a clear delineation of responsibilities, the Owner shall assume all responsibilities for items such as security, maintenance, utilities, insurance, and damage to the Work. The Certificate of Substantial Completion shall also list any items to be completed or corrected, and establish the time for their completion or correction. The Certificate of Substantial Completion shall be submitted first to the Project Architect for written concurrence that Substantial Completion has been achieved and then to the Constructor for written acceptance of responsibilities assigned in the Certificate of Substantial Completion. The Certificate of Substantial Completion with signatures from the Project Architect and the Constructor shall be submitted to the Owner for Owner's signature indicating Owner's acceptance of responsibilities assigned to the Owner in the Certificate of Substantial Completion and approval of the Certificate. A copy of the signed Certificate of Substantial Completion shall be provided to the Constructor.

9.6.4 Unless otherwise provided in the Certificate of Substantial Completion, warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or a designated portion.

9.6.5 Upon the Owner's written acceptance and issuance of the Certificate of Substantial Completion, the Owner shall pay to the Constructor the remaining retainage held by the Owner for the Work described in the Certificate of Substantial Completion, less a sum equal to two hundred percent (200%) of the estimated cost of completing or correcting remaining items on that part of the Work, as agreed to by the Owner and Constructor as necessary to achieve Final Completion. Uncompleted items shall be completed by the Constructor in a mutually agreed upon timeframe. The Owner shall pay the Constructor monthly the amount retained for unfinished items as each item is completed.

## 9.7 PARTIAL OCCUPANCY OR USE

9.7.1 The Owner may occupy or use completed or partially completed portions of the Work when: (a) the portion of the Work is designated in a Certificate of Substantial Completion; (b) appropriate insurer(s) consent to the occupancy or use; and (c) appropriate public authorities authorize the occupancy or use. Such partial occupancy or use shall constitute Substantial Completion of that portion of the Work.

## 9.8 FINAL COMPLETION AND FINAL PAYMENT

9.8.1 CLOSEOUT PROCEDURES The Constructor shall comply with the requirements in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor's compliance with the requirements in this section.

9.8.2 INSPECTION Upon notification from the Constructor that the Work is complete and ready for final inspection and acceptance, the Project Architect and Owner's Representative shall promptly conduct an inspection to determine if the Work has been completed and is acceptable under the Contract Documents.

9.8.3 If the Project Architect and Owner's Representative determine that the Project has attained Final Completion, the Project Architect shall request the following submissions from the Constructor:

- (a) an affidavit declaring any indebtedness connected with the Work, e.g. payrolls or invoices for materials or equipment, to have been paid, satisfied, or to be paid with the proceeds of final payment, so as not to encumber the Owner's property;
- (b) as-built drawings and specifications, manuals, copies of warranties, and all other close-out documents required by the Contract Documents;
- (c) release of any liens, conditioned on final payment being received;
- (d) consent of any surety;
- (e) any outstanding known and unreported accidents or injuries experienced by the Constructor or its Subcontractors at the Worksite; and
- (f) any other submissions required by Section 01 77 00 CLOSEOUT PROCEDURES.

9.8.4 When Final Completion has been achieved, the Constructor shall prepare for the Owner's written acceptance a final application for payment stating that to the best of the Constructor's

knowledge, and based on the Owner's inspections, the Work has reached Final Completion in accordance with the Contract Documents.

9.8.5 Upon receipt of a final application for payment and Constructor's satisfactory completion of closeout procedures stated in sections 9.6 and 9.8, the Project Architect shall prepare a Certificate of Final Completion establishing the date of Final Completion. Upon signature by the Project Architect, the Certificate of Final Completion shall be submitted to the Constructor for signature. The Certificate of Final Completion with signatures from the Project Architect and the Constructor shall be returned to the Owner for Owner's signature indicating Owner's approval of the Certificate of Final Completion. A copy of the signed Certification of Final Completion shall be provided to the Constructor. The Project Architect's signature on the Final Completion Certificate shall signify the following: (a) Final Completion has been achieved; (b) Project has been inspected and complies with the requirements of the Contract Documents; and (c) Constructor has submitted all required closeout submittals and completed all required closeout procedures.

9.8.6 Final payment of the balance of the Contract Price shall be made to the Constructor within thirty (30) Days after the Constructor has submitted a complete and accurate application for final payment, has satisfactorily completed the requirements as set forth in sections 9.6 and 9.8 above, and a Certificate of Final Completion has been executed by the Owner and the Constructor.

9.8.7 If, after Substantial Completion of the Work, the Final Completion of a portion of the Work is materially delayed through no fault of the Constructor, the Owner shall pay the balance due for portion(s) of the Work fully completed and accepted. If the remaining contract balance for Work not fully completed and accepted is less than the retained amount prior to payment, the Constructor shall submit to the Project Architect the written consent of any surety to payment of the balance due for portions of the Work that are fully completed and accepted. Such payment shall not constitute a waiver of claims, but otherwise shall be governed by these final payment provisions.

9.8.8 OWNER RESERVATION OF CLAIMS Claims not reserved in writing by the Owner with the making of final payment shall be waived except for claims relating to liens or similar encumbrances, warranties, Defective Work, and latent defects.

9.8.9 ACCEPTANCE OF FINAL PAYMENT Unless the Constructor provides written identification of unsettled claims with an application for final payment, its acceptance of final payment constitutes a waiver of such claims.

9.9 LATE PAYMENT Payments due but unpaid shall bear interest from the date payment is due at the rate allowed by the State of Idaho.

## **ARTICLE 10 INDEMNITY, INSURANCE, AND BONDS**

### **10.1 INDEMNITY**

10.1.1 To the fullest extent permitted by law, the Constructor shall indemnify and hold harmless the Owner, the Owner's officers, directors, members, consultants, agents, and employees, the Design Professionals and the Design Professionals' officers, directors, members, consultants, agents, and employees and Others (the Indemnitees) from all claims for bodily injury and property damage, other than to the Work itself and other property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of the Work, but only to the extent caused by the negligent or intentional acts or omissions of the Constructor, Subcontractors, or anyone employed directly or indirectly by any of them or by anyone for whose acts any of them may be liable. The Constructor shall be entitled to reimbursement of any defense costs paid above the

Constructor's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.2 below.

10.1.2 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Constructor, its officers, directors, members, consultants, agents, and employees, Subcontractors, or anyone employed directly or indirectly by any of them or anyone for whose acts any of them may be liable from all claims for bodily injury and property damage, other than property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of work by the Owner, Owner's Representative, the Project Architect, and Others, but only to the extent caused by the negligent acts or omissions of the Owner, Owner's Representative, the Project Architect, or Others. The Owner shall be entitled to reimbursement of any defense costs paid above the Owner's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.1 above.

10.1.3 NO LIMITATION ON LIABILITY In any and all claims against the Indemnitees by any employee of the Constructor, anyone directly or indirectly employed by the Constructor or anyone for whose acts the Constructor may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Constructor under workers' compensation acts, disability benefit acts, or other employment benefit acts.

## 10.2 INSURANCE

Constructor's insurance obligations are set forth in Division 00 Section 00 73 16 INSURANCE AND BONDING REQUIREMENTS.

## 10.3 BONDS

Constructor's bond obligations are set forth Division 00 Section 00 73 16 INSURANCE AND BONDING REQUIREMENTS.

# ARTICLE 11 SUSPENSION, NOTICE TO CURE, AND TERMINATION

## 11.1 SUSPENSION BY OWNER FOR CONVENIENCE

11.1.1 OWNER SUSPENSION Should the Project Architect and/or Owner order the Constructor in writing to suspend, delay, or interrupt the performance of the Work for the convenience of the Owner and not due to any act or omission of the Constructor or any person or entity for whose acts or omissions the Constructor may be liable, then the Constructor shall immediately suspend, delay or interrupt that portion of the Work for the time period ordered by the Project Architect and/or Owner. Constructor shall take the actions necessary (or that the Owner may direct) for the protection and preservation of the Work and strive to minimize any further costs. Any suspension will be for such period of time as the Owner may determine, but in no event more than 14 consecutive days or 30 cumulative days, without the written agreement of the Constructor. The Contract Price and the Contract Time shall be equitably adjusted by Change Order for the cost and delay resulting from any such suspension.

11.1.2 Any action taken by the Project Architect and/or Owner that is permitted by any other provision of the Contract Documents and that result in a suspension of part or all of the Work does not constitute a suspension of Work under this section 11.1.



**11.2 NOTICE TO CURE A DEFAULT** If the Constructor persistently fails to supply enough qualified workers, proper materials, or equipment to maintain the approved Schedule of the Work, or fails to make prompt payment to its workers, Subcontractors, or Material Suppliers, disregards Laws or orders of any public authority having jurisdiction, or is otherwise guilty of a material breach of a provision of this Agreement, the Constructor may be deemed in default by Owner.

11.2.1 In the event of an emergency affecting the safety of persons or property, the Owner may immediately commence and continue satisfactory correction of such default without first giving written notice to the Constructor, but shall give prompt written notice of such action to the Constructor following commencement of the action.

### **11.3 OWNER'S RIGHT TO TERMINATE FOR DEFAULT**

**11.3.1 TERMINATION BY OWNER FOR DEFAULT** If, within seven (7) Days of receipt of a notice to cure pursuant to section 11.2, the Constructor fails to commence and satisfactorily continue correction of the default set forth in the notice to cure, the Owner may notify the Constructor and, if applicable, the surety, that it intends to terminate this Agreement for default absent appropriate corrective action within seven (7) additional Days. After the expiration of the additional seven (7) Day period, the Owner may, subject to any prior rights of the surety: (a) terminate this Agreement by written notice; b.) exclude the Constructor from the site and take possession of the site and of all materials previously paid for by Owner; c.) accept assignment of subcontracts; and d.) finish the Work by a reasonable method the Owner may deem expedient. Upon written request of the Constructor, the Owner shall furnish to the Constructor an accounting of the costs incurred by the OWNER in finishing the Work. If the Owner terminates the Agreement for one of the reasons stated above, the Constructor shall not be entitled to receive further payment until the Work is finished. If the unpaid balance of the contract price exceeds costs of finishing the Work, including compensation for consultant services and expenses made necessary thereby, and other damages incurred by the Owner, such excess shall be paid to the Constructor. If such costs and damages exceed the unpaid balance, the constructor shall pay the difference to the Owner. The remedies in this Section are in addition to any other remedies at law or in equity available to Owner.

**11.3.2 USE OF CONSTRUCTOR'S MATERIALS, SUPPLIES, AND EQUIPMENT** If the Owner or Others perform work under this section 11.3, the Owner shall have the right to take and use any materials, supplies, and equipment belonging to the Constructor and located at the Worksite for the purpose of completing any remaining Work. Immediately upon completion of the Work, any remaining materials, supplies, or equipment not consumed or incorporated in the Work shall be returned to the Constructor in substantially the same condition as when they were taken, reasonable wear and tear excepted.

**11.3.3** If the Constructor files a petition under the Bankruptcy Code, this Agreement shall terminate if the Constructor or the Constructor's trustee rejects the Agreement, or if there has been a default and the Constructor is unable to give adequate assurance that the Constructor will perform as required by this Agreement or otherwise is unable to comply with the requirements for assuming this Agreement under the applicable provisions of the Bankruptcy Code.

**11.3.4** The Owner shall make reasonable efforts to mitigate damages arising from Constructor default, and shall promptly invoice the Constructor for all amounts due pursuant to sections 11.2 and 11.3.

**11.3.5** If the Owner terminates this Agreement for default, and it is later determined that the Constructor was not in default, or that the default was excusable under the terms of the Contract Documents, then, in such event, the termination shall be deemed a termination for convenience, and the rights of the Parties shall be as set forth in section 11.4.

## 11.4 TERMINATION BY OWNER FOR CONVENIENCE

11.4.1 Upon written notice to the Constructor, the Owner may, without cause, terminate this Agreement. The Constructor shall immediately stop the Work, follow the Owner's instructions regarding shutdown and termination procedures, and strive to minimize any further costs.

11.4.2 If the Owner terminates this Agreement for Convenience, the Constructor shall be paid: (a) for the Work performed to date including Overhead and profit; and (b) for all demobilization costs and costs incurred as a result of the termination but not including Overhead or profit on Work not performed.

11.4.3 If the Owner terminates this Agreement, the Constructor shall:

11.4.3.1 Execute and deliver to the Owner all papers and take all action required to assign, transfer, and vest in the Owner the rights of the Constructor to all materials, supplies and equipment for which payment has been or will be made in accordance with the Contract Documents and all subcontracts, orders and commitments which have been made in accordance with the Contract Documents;

11.4.3.2 Exert reasonable effort to reduce to a minimum the Owner's liability for subcontracts, orders, and commitments that have not been fulfilled at the time of the termination;

11.4.3.3 Cancel any subcontracts, orders, and commitments as the Owner directs; and

11.4.3.4 Sell at prices approved by the Owner any materials, supplies, and equipment as the Owner directs, with all proceeds paid or credited to the Owner.

## 11.5 CONSTRUCTOR'S RIGHT TO TERMINATE

11.5.1 Upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Work has been stopped for a thirty (30) Day period through no fault of the Constructor for any of the following reasons:

11.5.1.1 under court order or order of other governmental authorities having jurisdiction;

11.5.1.2 as a result of the declaration of a national emergency or other governmental act during which, through no act or fault of the Constructor, materials are not available; or

11.5.1.3 suspension by the Owner for convenience pursuant to section 11.1

11.5.2 In addition, upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Owner:

11.5.2.1 assigns this Agreement over the Constructor's reasonable objection; or

11.5.2.2 fails to pay the Constructor in accordance with this Agreement and the Constructor has complied with section 9.5; or

11.5.2.3 otherwise materially breaches this Agreement.

11.5.3 Upon termination by the Constructor in accordance with section 11.5, the Constructor shall be entitled to recover from the Owner payment for all Work executed and for any proven loss, cost,



or expense in connection with the Work, including all demobilization costs plus reasonable Overhead and profit on Work not performed.

**11.6 OBLIGATIONS ARISING BEFORE TERMINATION** Even after termination, the provisions of this Agreement still apply to any Work performed, payments made, events occurring, costs charged or incurred or obligations arising before the termination date.

## **ARTICLE 12 DISPUTE MITIGATION AND RESOLUTION**

**12.1 WORK CONTINUANCE AND PAYMENT** Unless otherwise agreed in writing, the Constructor shall continue the Work and maintain the Schedule of the Work during any dispute mitigation or resolution proceedings. If the Constructor continues to perform, the Owner shall continue to make payments in accordance with this Agreement.

**12.2 DIRECT DISCUSSIONS** In the event that a dispute arises between Owner and Constructor regarding application or interpretation of any provision of this Agreement, the aggrieved Party shall promptly notify the other Party to this Agreement of the dispute within ten (10) days after such dispute arises. If the Parties shall have failed to resolve the dispute within thirty (30) days after delivery of such notice, the Parties may first endeavor to settle the dispute in an amicable manner by mediation. If the Parties elect to mediate their dispute, the Parties will select a mediator by mutual agreement and agree to each pay half of the mediator's costs and fees. The mediation will take place in Boise, Idaho, unless otherwise agreed by the Parties in writing. Should the Parties be unable to resolve the dispute to their mutual satisfaction within thirty (30) days after such completion of mediation, each Party shall have the right to pursue any rights or remedies it may have at law or in equity. If the Parties do not mutually agree to mediate the dispute, either Party may pursue any rights or remedies it may have at law.

## **ARTICLE 13 MISCELLANEOUS**

**13.1 EXTENT OF AGREEMENT** Except as expressly provided, this Agreement is for the exclusive benefit of the Parties, and not for the benefit of any third party. This Agreement represents the entire and integrated agreement between the Parties, and supersedes all prior negotiations, representations, or agreements, either written or oral.

**13.2 ASSIGNMENT** Except as to the assignment of proceeds, the Parties shall not assign their interest in this Agreement without the written consent of the other. The terms and conditions of this Agreement shall be binding upon both Parties, their partners, successors, assigns, and legal representatives. Neither Party shall assign the Agreement as a whole without written consent of the other except that the Owner may assign the Agreement to a wholly owned subsidiary of the Owner when the Owner has fully indemnified the Constructor or to an institutional lender providing construction financing for the Project as long as the assignment is no less favorable to the Constructor than this Agreement. If such assignment occurs, the Constructor shall execute any consent reasonably required. In such event, the wholly owned subsidiary or lender shall assume the Owner's rights and obligations under the Contract Documents. If either Party attempts to make such an assignment, that Party shall nevertheless remain legally responsible for all obligations under this Agreement, unless otherwise agreed in writing by the other Party.

**13.3 GOVERNING LAW** This Agreement shall be governed by the laws of the State of Idaho.

**13.4 SEVERABILITY** The partial or complete invalidity of any one or more provisions of this Agreement shall not affect the validity or continuing force and effect of any other provision.

13.5 NO WAIVER OF PERFORMANCE The failure of either Party to insist, in any one or more instances, on the performance of any of the terms, covenants, or conditions of this Agreement, or to exercise any of its rights, shall not be construed as a waiver or relinquishment of such term, covenant, condition, or right with respect to further performance or any other term, covenant, condition, or right.

13.6 TITLES The titles given to the articles are for ease of reference only and shall not be relied upon or cited for any other purpose.

13.7 JOINT DRAFTING The Parties expressly agree that this Agreement was jointly drafted, and that both had opportunity to negotiate its terms and to obtain the assistance of counsel in reviewing its terms prior to execution. Therefore, this Agreement shall be construed neither against nor in favor of either Party, but shall be construed in a neutral manner.

13.8 RIGHTS AND REMEDIES The Parties' rights, liabilities, responsibilities and remedies with respect to this Agreement, whether in contract, tort, negligence or otherwise, shall be exclusively those expressly set forth in this Agreement.

13.9 ANTI-BOYCOTT AGAINST ISRAEL CERTIFICATION Constructor, by entering into this Agreement, hereby certifies that it is not currently engaged in, or for the duration of this Agreement will not engage in, a boycott of goods or services from the State of Israel or territories under its control.

13.10 CERTIFICATION REGARDING GOVERNMENT OF CHINA. In accordance with Idaho Code Section 67-2359, Constructor, by entering into this Agreement, hereby certifies that it is not currently owned or operated by the government of China and will not, for the duration of the Agreement, be owned or operated by the government of China.

#### **ARTICLE 14 CONTRACT DOCUMENTS**

14.1 EXISTING CONTRACT DOCUMENTS This Contract expressly incorporates the following documents, together with any amendments that may be agreed to in writing by both parties:

Project Manual dated **OCTOBER 25, 2023** including:

PROJECT MANUAL COVER PAGE  
00 01 10 TABLE OF CONTENTS  
00 11 16 INVITATION TO BID  
00 21 13 INSTRUCTIONS TO BIDDERS  
00 25 00 PRE BID MEETING  
00 41 13 BID FORM  
00 45 46 CONTRACTOR'S AFFIDAVIT CONCERNING TAXES  
00 52 13 AGREEMENT BETWEEN OWNER AND CONTRACTOR  
00 62 76 APPLICATION FOR PAYMENT FORM  
00 63 13 REQUEST FOR INFORMATION FORM  
00 63 49 WORK CHANGE DIRECTIVE FORM  
00 73 00 SUPPLEMENTARY CONDITIONS  
00 73 16 INSURANCE AND BONDING REQUIREMENTS  
00 73 73 STATUTORY REQUIREMENTS – TAX COMMISSION  
  
01 10 00 SUMMARY OF WORK  
01 22 00 UNIT PRICES  
01 25 00 SUBSTITUTION PROCEDURES  
01 26 00 CONTRACT MODIFICATION PROCEDURES  
01 29 00 PAYMENT PROCEDURES  
01 31 00 PROJECT MANAGEMENT AND COORDINATION

AGREEMENT BETWEEN OWNER AND CONTRACTOR  
EISENMAN ROAD PEDESTRIAN IMPROVEMENTS

01 33 00 SUBMITTAL PROCEDURES  
01 40 00 QUALITY REQUIREMENTS  
01 50 00 TEMPORARY FACILITIES AND CONTROLS  
01 73 00 EXECUTION  
07 77 00 CLOSEOUT PROCEDURES

**SPECIAL PROVISIONS**

Eisenman Road Pedestrian Facilities July 6, 2023 by Civil Survey Consultants, Inc. (46 pages)

**DRAWINGS**

Eisenman Road Pedestrian Facilities July 2023 Construction Plans by Civil Survey Consultants, Inc.

SHEET 1 TITLE SHEET  
SHEET 2 TYPICAL SECTIONS, DETAILS & NOTES  
SHEET 3 PATHWAY PLAN & PROFILE  
SHEET 4 PATHWAY PLAN & PROFILE  
SHEET 5 PATHWAY PLAN & PROFILE  
SHEET 6 RETAINING WALL PLAN & PROFILE  
SHEET 7 RETAINING WALL NOTES & DETAILS  
SHEET 8 RAILING DETAILS  
SHEET 9 REINFORCING DETAILS

Constructor's Bid Proposal dated xxxxxxxx  
Payment and Performance Bonds dated xxxxxxxxxx  
Insurance Certificates dated xxxxxxxxxxxxxx

**14.2 INTERPRETATION OF CONTRACT DOCUMENTS**

14.2.1 The drawings and specifications are complementary. If Work is shown only on one but not on the other, the Constructor shall perform the Work as though fully described on both, consistent with the Contract Documents and reasonably inferable from them.

14.2.2 In case of conflicts between the drawings and specifications, the specifications shall govern. In any case of omissions or errors in figures, drawings, or specifications, the Constructor shall immediately submit the matter to the Project Architect for clarification. The Project Architect shall confer with the Owner's Representative, and shall issue a clarification to the Constructor. Owner's clarifications are final and binding on all Parties, subject to an equitable adjustment in Contract Time or Contract Price or dispute mitigation and resolution.

14.2.3 Where figures are given, they shall be preferred to scaled dimensions.

14.2.4 Unless otherwise specifically defined in this Agreement, any terms that have well-known technical or trade meanings shall be interpreted in accordance with their well-known meanings.

14.2.5 **ORDER OF PRECEDENCE** In case of any inconsistency, conflict, or ambiguity among the Contract Documents, the documents shall govern in the following order: (a) Change Orders and written amendments to this Agreement; (b) this Agreement; (c) subject to subsection 14.2.2, the drawings (large scale governing over small scale), specifications, and addenda issued prior to the

execution of this Agreement or signed by both Parties; (d) information furnished by the Owner pursuant to subsection 3.13.4 or designated as a Contract Document in section 14.1; (e) other documents listed in this Agreement. Among categories of documents having the same order of precedence, the term or provision that includes the latest date shall control. Information identified in one Contract Document and not identified in another shall not be considered a conflict or inconsistency.

End of Agreement | *Signatures appear on the following page.*

SAMPLE

IN WITNESS WHEREOF, OWNER AND CONSTRUCTOR have executed this Agreement with an effective date as first written above.

OWNER: Capital City Development Corporation

BY: \_\_\_\_\_  
John Brunelle, Executive Director

Date: \_\_\_\_\_

Approved as to Form

\_\_\_\_\_  
Mary Watson, General Counsel

CONSTRUCTOR: [insert company name]

BY: \_\_\_\_\_  
[Insert name of person who can sign contract and Title]

Date: \_\_\_\_\_

**END OF DOCUMENT**

Budget Info / For Office Use	
Fund / District	
Account	
Activity Code	
PO #	
Project Completion	
Contract Term	

**SECTION 00 62 76 APPLICATION FOR PAYMENT FORM**

**APPLICATION FOR PAYMENT NO. \_\_\_\_\_**

To: Capital City Development Corporation (OWNER)  
From: \_\_\_\_\_  
Contract: \_\_\_\_\_  
Project: \_\_\_\_\_  
OWNER's Contract No. \_\_\_\_\_  
PROJECT ENGINEER's Project No. \_\_\_\_\_

For Work accomplished  
through the date of:

1. Original Contract Price: \$ \_\_\_\_\_
2. Net change by Change Orders and Written Amendments (+/-): \$ \_\_\_\_\_
3. Current Contract Price (1 plus 2): \$ \_\_\_\_\_
4. Total completed and stored to date: \$ \_\_\_\_\_
5. Retainage (per Agreement): \_\_\_\_\_ % of completed Work: \$ \_\_\_\_\_  
\_\_\_\_\_ % of stored material: \$ \_\_\_\_\_  
Total Retainage: \$ \_\_\_\_\_
6. Total completed and stored to date less retainage (4 minus 5): \$ \_\_\_\_\_
7. Less previous Application for Payments: \$ \_\_\_\_\_
- 8. DUE THIS APPLICATION (6 MINUS 7): \$ \_\_\_\_\_**

***Accompanying Documentation:***

CONTRACTOR'S Certification: The undersigned CONTRACTOR certifies that: 1.) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_\_\_\_\_ inclusive; 2.) title of all Work, materials, and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and 3.) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

Dated: \_\_\_\_\_

\_\_\_\_\_  
CONTRACTOR

Notarized By: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

**Payment of the above AMOUNT DUE THIS APPLICATION is recommended.**

Dated: \_\_\_\_\_

\_\_\_\_\_  
PROJECT ENGINEER / OWNER'S PROJECT MANAGER

## **APPLICATION FOR PAYMENT – INSTRUCTIONS**

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### **A. GENERAL INFORMATION**

The sample Schedule of Values (next page) is intended as a guide only. Many projects require a more extensive form with space for numerous items, descriptions of Change Orders, identification of variable quantity adjustments, summary of materials and equipment stored at the site and other information. It is expected that a separate form will be developed by Project Engineer and Contractor at the time Contractor's Schedule of Values is finalized. Note also that the format for retainage must be changed if the Contract permits (or the law provides), and Contractor elects to deposit securities in lieu of retainage. See Division 01 Section 01 29 00 "Payment Procedures" for provisions concerning payments to Contractor.

### **B. COMPLETING THE FORM**

The Schedule of Values, submitted and approved as provided in the General Conditions, should be reproduced as appropriate in the space indicated on the Application for Payment form. Note that the cost of materials and equipment is often listed separately from the cost of installation. Also, note that each Unit Price is deemed to include Contractor's overhead and profit.

All Change Orders affecting the Contract Price should be identified and included in the Schedule of Values as required for progress payments.

The form is suitable for use in the Final Application for Payment as well as for Progress Payments; however, the required accompanying documentation is usually more extensive for final payment. All accompanying documentation should be identified in the space provided on the form.

### **C. LEGAL REVIEW**

All accompanying documentation of a legal nature, such as Lien waivers, should be reviewed by an attorney, and Project Engineer should so advise Owner.

END OF SECTION 00 62 76



<b>Project:</b>							<b>NAME OF PROJECT</b>			
<b>Contractor:</b>										
<b>Application for Payment</b>										
<b>Continuation Sheet</b>										
A	B	C	D	E	F	G	H	I	J	
			Work Completed							
Item No.	Description of Work	Scheduled Value	Previous Application	This Period	Materials Presently Stored	Total Completed & Stored	%	Balance to Finish	Retainage to Date	
<div style="text-align: center;"> <b>EXAMPLE ONLY</b>  <i>Contractor to List Based on Scope of Work</i> </div>										
1	Mobilization, Bond					\$0.00	#DIV/0!	\$0.00	\$0.00	
2	Site Work					\$0.00	#DIV/0!	\$0.00	\$0.00	
3	Demolition					\$0.00	#DIV/0!	\$0.00	\$0.00	
4	Boring					\$0.00	#DIV/0!	\$0.00	\$0.00	
5	Electrical					\$0.00	#DIV/0!	\$0.00	\$0.00	
6	Surface Prep and Restoration					\$0.00	#DIV/0!	\$0.00	\$0.00	
7	Other					\$0.00	#DIV/0!	\$0.00	\$0.00	
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			\$0.00	
<b>Retainage for This Period</b>				\$0.00	\$0.00					
<b>Application No.</b>										
Total Completed & Stored		\$0.00								
Less Retainage for this Period - Work Completed		\$0.00								
Less Retainage for this Period - Materials Presently Stored		\$0.00								
<b>Total Requested for Payment</b>		<b>\$0.00</b>								

**SECTION 00 63 13 REQUEST FOR INFORMATION FORM**

**REQUEST FOR INFORMATION**

PROJECT: \_\_\_\_\_ RFI#: \_\_\_\_\_

ITEM: \_\_\_\_\_

REF. DWG. OR SPEC.: \_\_\_\_\_

SCHEDULE IMPACT? YES ☐ NO ☐

COST IMPACT? YES ☐ NO ☐

REQUEST RETURN BY: \_\_\_\_\_

DESCRIPTION/REQUEST: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ORIGINATOR: \_\_\_\_\_ FIRM: \_\_\_\_\_ DATE: \_\_\_\_\_

**RESPONSE**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BY: \_\_\_\_\_ FIRM: \_\_\_\_\_ DATE: \_\_\_\_\_

This is not an authorization to proceed with work involving additional costs and/or time.  
Notification must be given in accordance with the Contract Documents if any response causes  
any changes to the Contract Documents.

END OF SECTION 00 63 13

**SECTION 00 63 49 WORK CHANGE DIRECTIVE FORM**

**WORK CHANGE DIRECTIVE FORM**

No. \_\_\_\_\_

DATE OF ISSUANCE \_\_\_\_\_ EFFECTIVE DATE \_\_\_\_\_

OWNER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

Contract: \_\_\_\_\_

Project: \_\_\_\_\_

You are directed to proceed promptly with the following change(s):  
Description:

Purpose of Work Change Directive:

Attachments: (List documents supporting change)

If OWNER or CONTRACTOR believe that the above change has affected Contract Price, any Claim for a Change Order based thereon will involve one or more of the following methods as defined in the Contract Documents.

Method of determining change in  
Contract Price:

- ☐ Unit Prices  
☐ Lump Sum  
☐ Cost of the Work \_\_\_\_\_

Estimated increase (decrease) in Contract  
Price:  
\$ \_\_\_\_\_.  
If the change involves an increase, the  
estimated amount is not to be exceeded  
without further authorization.

Estimated increase (decrease) in Contract  
Times:  
Substantial Completion: \_\_\_\_\_ days;  
Ready for final payment: \_\_\_\_\_ days.

RECOMMENDED:

AUTHORIZED:

PROJECT ENGINEER  
By: \_\_\_\_\_

OWNER  
By: \_\_\_\_\_

## **WORK CHANGE DIRECTIVE – INSTRUCTIONS**

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### **A. GENERAL INFORMATION**

This document was developed for use in situations involving changes in the Work which, if not processed expeditiously, might delay the Project. These changes are often initiated in the field and may affect the Contract Price or the Contract Times. This is not a Change Order, but only a directive to proceed with Work that may be included in a subsequent Change Order. See Division 01 General Requirements for procedures regarding issuance of Work Change Directives by Project Engineer.

For supplemental instructions and minor changes not involving a change in the Contract Price or the Contract Times a Field Order should be used.

### **B. COMPLETING THE FORM**

Project Manager/Engineer initiates the form, including a description of the items involved and attachments.

Based on conversations between Project Engineer and Contractor, Project Engineer completes the following:

METHOD OF DETERMINING CHANGE, IF ANY, IN CONTRACT PRICE: Mark the method to be used in determining the final cost of Work involved and the estimated net effect on the Contract Price. If the change involves an increase in the Contract Price and the estimated amount is approached before the additional or changed Work is completed, another Work Change Directive must be issued to change the estimated price or Contractor may stop the changed Work when the estimated time is reached. If the Work Change Directive is not likely to change the Contract Price, the space for estimated increase (decrease) should be marked "Not Applicable."

Once Project Engineer has completed and signed the form, all copies should be sent to Owner for authorization – the Project Engineer alone does not have authority to authorize changes in Price or Times. Once authorized by Owner, a copy should be sent by Project Engineer to Contractor. Price and Times may only be changed by Change Order signed by Owner and Contractor with Project Engineer's recommendation.

Once the Work covered by this directive is completed or final cost and times are determined, Contractor should submit documentation for inclusion in a Change Order. Division 01 General Requirements requires that a Change Order be initiated and processed to cover any undisputed sum or amount of time for Work actually performed pursuant to this Work Change Directive.

THIS IS A DIRECTIVE TO PROCEED WITH A CHANGE THAT MAY AFFECT THE CONTRACT PRICE OR CONTRACT TIMES. A CHANGE ORDER, IF ANY, SHOULD BE CONSIDERED PROMPTLY.

END OF SECTION 00 63 49

## **SECTION 00 73 00 SUPPLEMENTARY CONDITIONS**

1. **FEDERAL, STATE, AND LOCAL PAYROLL TAXES:** Neither federal, state or local income taxes, nor payroll taxes of any kind shall be withheld and paid by Owner on behalf of Contractor or the employees of Contractor. Contractor shall not be treated as an employee with respect to the services performed hereunder for federal or state tax purposes. Contractor understands that Contractor is responsible to pay, according to law, Contractor's income tax. Contractor further understands that Contractor may be liable for self-employment (Social Security) tax to be paid by Contractor according to law.
2. **LICENSES AND LAW:** Contractor represents that it possesses the requisite skill, knowledge, and experience necessary, as well as all licenses required to perform the services under this Agreement. Contractor further agrees to comply with all applicable laws, ordinances, and codes of Federal, State and local governments in the performance of the services hereunder.
3. **FRINGE BENEFITS:** Because Contractor is engaged in its own independently established business, Contractor is not eligible for, and shall not participate in, any employee pension, health, or other fringe benefit plans of Owner.
4. **AMENDMENTS:** This Agreement, including the amount of compensation and the Scope of Work, may be amended only in writing, upon mutual agreement of both Owner and Contractor.
5. **DISCRIMINATION PROHIBITED:** In performing the services required herein, Contractor shall not discriminate against any person on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin or ancestry, age or handicap. Violation of this section shall constitute a material breach of this Agreement and be deemed grounds for cancellation, termination or suspension of the Agreement by Owner, in whole or in part, and may result in ineligibility for further work for Owner.
6. **NUMERATION:** Owner and Contractor acknowledge the Agreement may contain gaps in the numbering of the provisions. Despite the gaps in the numbering, Owner and Contractor acknowledge the Agreement is the complete Agreement between them.
7. **SILENCE OF SPECIFICATION:** The apparent silence of this specification and supplemental specifications as to any detail, or the apparent omission from it of a detailed description concerning any point shall be regarded as meaning that only best commercial practice is to be used. Any exception to this specification shall be cause for rejection. Owner reserves the right to verify specification compliance and other information with published sources as deemed necessary.
8. **ACCIDENT PREVENTION:** The Contractor shall provide and maintain work environments and procedures which will:
  - A. Safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to Contractor operations and activities.
  - B. Comply with all local, County, State, or other applicable legal requirements and will exercise all legally required safety precautions at all times.

- C. Ensure that all Contractor employees who are performing work in the streets wear an appropriate safety vest.
- D. Avoid interruptions of Government operations and delays in Project completion dates; and will exercise due care during the performance of work to protect from damage all existing facilities, structures, landscaping and utilities on local jurisdiction and private property.
- E. For these purposes on contracts for construction or dismantling, demolition, or removal of improvements, the Contractor shall:
  - i) Provide appropriate safety barricades, signs, and signal lights;
  - ii) Ensure that any additional measures the Owner determines to be reasonably necessary for the purposes are taken.
  - iii) Take every reasonable effort to keep sidewalks, vehicle travel lanes, driveways and crosswalks open at all times.
  - v) Report to Owner immediately any Contractor caused damages.
  - vi) Effect the prompt repair any damage to any public property incurred while installing the required items. Repairs to be completed as quickly as is reasonably possible and as required by local ordinance.

9. EMPLOYMENT OF IDAHO RESIDENTS IN PUBLIC WORKS CONSTRUCTION. Contractor shall comply with Idaho Code § 44-1001 in performing the Work on the Project. **This Code provision is reproduced below for convenience from the State of Idaho website and shall be verified by Contractor.**

44-1001. EMPLOYMENT OF RESIDENTS OF IDAHO -- WAGE SCALE -- FEDERAL FUNDS. In all state, county, municipal, and school construction, repair, and maintenance work under any of the laws of this state the contractor, or person in charge thereof must employ ninety-five percent (95%) bona fide Idaho residents as employees on any such contracts except for procurement authorized in section 67-2808(2), Idaho Code, or where under such contracts fifty (50) or less persons are employed the contractor may employ ten percent (10%) nonresidents, provided however, in such a case employers must give preference to the employment of bona fide Idaho residents in the performance of such work; provided, that in work involving the expenditure of federal aid funds this act shall not be enforced in such a manner as to conflict with or be contrary to the federal statutes prescribing a labor preference to honorably discharged members of the United States armed forces, including airmen, soldiers, sailors, and marines, prohibiting as unlawful any other preference or discrimination among the citizens of the United States.

END OF SECTION 00 73 00

## **SECTION 00 73 16 INSURANCE AND BONDING REQUIREMENTS**

### **Insurance**

Upon execution of the Contract and prior to commencing any Work under the Contract, Contractor shall obtain at its sole cost and expense and thereafter maintain, for the duration of the Contract, at least the minimum insurance coverages set forth below:

- (a) Worker's compensation insurance as required by applicable law or regulation;
- (b) Employer's liability insurance in the minimum amount of \$500,000 each accident for bodily injury, \$500,000 each employee for bodily injury by disease and \$500,000 policy limit for bodily injury by disease;
- (c) Commercial General Liability ("CGL") insurance covering all operations by or on behalf of Contractor with minimum limits of liability of \$1,000,000 for each occurrence and \$2,000,000 aggregate for both bodily injury and property damage. Contractor may provide insurance up to the required limits through a CGL policy or through a CGL policy and an umbrella policy.

The aggregate limits shall apply separately to the Project, or the Contractor shall obtain separate insurance to provide the required limit which shall not be subject to depletion because of claims arising out of any other project or activity of the Contractor.

The CGL insurance policy shall name Owner and City of Boise as Additional Insured and shall protect its officers, agents and employees from and against claims for bodily injury, property damage, personal injury and advertising injury that shall be no less comprehensive and no more restrictive than the coverage provided by Insurance Services Office (ISO) form for Commercial General (CG 00 01 04 13).

By its terms or appropriate endorsements such insurance shall include the following coverage, to wit: Bodily Injury, Property Damage, Fire Legal Liability (not less than the replacement value of the portion of the premises occupied), Personal Injury, Blanket Contractual, Independent Contractors, Premises Operations, Products and Completed Operations for a minimum of two (2) years following Final Completion of the Project. The policy cannot be endorsed to exclude the perils of explosion (x), collapse (c), and underground (u) exposures without the specific written approval of the Owner. Owner and City of Boise shall be named as an Additional Insured by the terms of the policy or by an endorsement issued by the insurer; and

- (d) Automobile liability insurance including coverage for owned, hired, and non-owned automobiles. The limits of liability shall not be less than \$1,000,000 combined single limit each accident for bodily injury and property damage combined. Contractor shall require each of its subcontractors to include in their liability insurance policies coverage for automobile contractual liability. The automobile liability insurance policy shall name Owner as Additional Insured and shall protect its officers, agents and employees from and against claims.



All insurance required in the Contract shall be occurrence based coverage as opposed to claims based coverage and shall be procured from companies which are authorized to do business in Idaho.

To the extent commercially available to the Contractor from its current insurance company, insurance policies required under the Contract shall contain a provision that the insurance company or its designee must give the Owner written notice transmitted in paper or electronic format: (a) 30 Days before coverage is non-renewed by the insurance company and (b) within 10 Business Days after cancelation of coverage by the insurance company. Prior to commencing the Work and upon renewal or replacement of the insurance policies, the Contractor shall furnish the Owner with certificates of insurance until two years after Substantial Completion or longer if required by the Contract. In addition, if any insurance policy required under the Contract is not to be immediately replaced without lapse in coverage when it expires, exhausts its limits, or is to be cancelled, the Contractor shall give Owner prompt written notice upon actual or constructive knowledge of such condition.

Contractor may include all subcontractors as insureds under the Contractor's policies in lieu of separate policies by each subcontractor.

Contractor shall furnish Owner with a copies of the CGL policies or endorsement naming Owner and City of Boise as an Additional Insured and certificates of insurance including the required endorsements for Contractor and all subcontractors not included under Contractor's policy prior to execution of the contract by Owner and prior to any work being performed.

All insurance provided by Contractor under the Contract shall include a waiver of subrogation by the insurers in favor of Owner. Contractor hereby releases CCDC, including its respective affiliates, directors, and employees, for losses or claims for bodily injury, property damage covered by Contractor's insurance or other insured claims arising out of Contractor's performance under the Contract.

The foregoing insurance coverage shall be primary and noncontributing with respect to any other insurance or self-insurance that may be maintained by Owner. The fact that the Contractor has obtained the insurance required shall in no manner lessen or affect the Contractor's other obligations or liabilities set forth in the Contract.

### **Payment and Performance Bonds**

Payment and Performance Bonds are required of the Contractor. Such bonds shall be issued by a surety admitted in the state of Idaho, payable to Owner, and must be acceptable to the Owner to be valid. The Owner's acceptance shall not be withheld without a reasonable cause. The penal sum of the bonds shall each be one hundred percent (100%) of the original Contract Price. Any increase in the Contract Price that exceeds ten percent (10%) in the aggregate shall require a rider to the Bonds increasing penal sums accordingly. Up to such ten percent (10%) amount, the penal sum of the bond shall remain equal to one hundred percent (100%) of the Contract Price. The Contractor shall endeavor to keep its surety advised of changes potentially impacting the Contract Price and Contract Time, though the Contractor shall require that its surety waives any requirement to be notified of any alteration or extension of time within the scope of the initial Agreement. The performance bond shall include coverage in favor of Owner for correction of Defective Work by the Contractor for two years following Substantial Completion of the Work.

END OF SECTION 00 73 16

## SECTION 00 73 73 STATUTORY REQUIREMENTS – TAX COMMISSION

Contractor shall complete the WH-5 PUBLIC WORKS CONTRACT REPORT and provide to Owner at the time of execution of the Contract. See WH-5 report on next page.

Do not file with the State Tax Commission; Owner will file the Report.

Idaho Code § 54-1904A and § 63-3624(g) require all public works contracts to be reported to the Tax Commission within thirty (30) days after a contract is awarded.

END OF SECTION 00 73 73

# Form WH-5 Public Works Contract Report

Contractors awarded Idaho public works contracts must submit this form to the Tax Commission within 30 days of receiving the award. (Idaho Code sections 54-1904A and 63-3624(g)).

Contract awarded by (public body and address)

Contract awarded to (contractor's name and address)

State of incorporation	Federal Employer Identification Number (EIN)	Date qualified to do business in Idaho
Business operates as <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input type="checkbox"/> LLC		Public works contractor license number
Sole proprietor's Social Security number	Idaho sellers permit number	Idaho withholding tax permit number
Awarding agency project number		Amount of contract \$
Description and location of work to be performed		

## Project Dates

Scheduled project start date: \_\_\_\_\_ Completion date: \_\_\_\_\_

If the following information isn't available at this time, please enter date it will be: \_\_\_\_\_

## All Subcontractors

Name			Federal EIN
Address			Public works contractor license number
City	State	ZIP Code	Amount of subcontract \$
Description of work			

Name			Federal EIN
Address			Public works contractor license number
City	State	ZIP Code	Amount of subcontract \$
Description of work			

Name			Federal EIN
Address			Public works contractor number
City	State	ZIP Code	Amount of subcontract \$
Description of work			

Name			Federal EIN
Address			Public works contractor license number
City	State	ZIP Code	Amount of subcontract \$
Description of work			

### All Subcontractors (continued)

Name			Federal EIN	
Address			Public works contractor license number	
City	State	ZIP Code	Amount of subcontract \$	

Description of work

Name			Federal EIN	
Address			Public works contractor license number	
City	State	ZIP Code	Amount of subcontract \$	

Description of work

Name			Federal EIN	
Address			Public works contractor license number	
City	State	ZIP Code	Amount of subcontract \$	

Description of work

### Suppliers

List your major suppliers of materials, equipment, and supplies. Include items removed from inventory and items provided to you by the government agency for use in this project.

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP Code	Phone number	Please select how sales or use tax was paid. <input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax was paid	

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP Code	Phone number	Please select how sales or use tax was paid. <input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax was paid	

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP Code	Phone number	Please select how sales or use tax was paid. <input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax was paid	

\*If you're reporting any untaxed materials, equipment, or supplies as "items subject to use tax" on your Idaho return, provide the period when you did or will report it: \_\_\_\_\_

If you paid tax to a state other than Idaho, write the name state next to "total value" boxes, above. For any tax due that you haven't reported yet, include payment with this form. You can make copies of this form if you need more room.

<b>Sign Here</b>	Authorized signature	Print name	Phone number	Date
------------------	----------------------	------------	--------------	------

File with the Idaho State Tax Commission, PO Box 36, Boise ID 83722-0410

For more information, call (208) 334-7618 | Fax: (208) 332-6619 | Email: [contractdesk@tax.idaho.gov](mailto:contractdesk@tax.idaho.gov)

**SECTION 01 10 00 SUMMARY****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section Includes:
  - 1. Project Information
  - 2. Work covered by Contract Documents
  - 3. Substantial Completion
  - 4. Work Restrictions
  - 5. Construction Schedule
  - 6. Contractor Responsibilities for Community Relations
- B. Related Requirements: See Section 01 50 00 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's and adjacent public and/or private facilities.
- C. The terms "Agreement" and "Contract" are equivalent; the terms "Capital City Development Corporation," "CCDC," and "Owner" are equivalent; the terms "Project Engineer," "Owner's Project Manager," and "Project Manager" are equivalent.

**1.3 PROJECT INFORMATION**

- A. Project Identification: Eisenman Road Pedestrian Improvements ("Project")
- B. Project Area: Eisenman Road between Blue Sage Lane and Blue Lake Lane, Boise, Idaho.
- C. Owner: Capital City Development Corporation (CCDC).  
Owner's Representative: Kassi Brown, CCDC Project Manager.  
208-384-4264 (main) / 208-391-7289 (direct)  
[kbrown@ccdcbiose.com](mailto:kbrown@ccdcbiose.com)
- D. Project Engineer / Owner's Project Manager: Civil Survey Consultants, Inc.  
Corey Peacock, P.E. 208-888-4312  
[cpeacock@civilsurvey.net](mailto:cpeacock@civilsurvey.net)

#### 1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Project Scope or Work consists of all labor, equipment, materials, products, systems, structure, finishes, accessories, furnishings, specialists, special construction, transportation facilities and services, taxes, insurance, bonding, overhead and profit necessary for and/or reasonably incidental to the entire completion of the **Eisenman Road Pedestrian Improvements Project** as shown and described in the contract documents including the Drawings, Special Provisions and the Project Manual: Eisenman Road Pedestrian Improvements Project, dated October 25, 2023. For convenience, the Work may be summarized as follows:
1. The Project generally includes an attached and protected five-foot-wide asphalt pathway along Eisenman Road, from E Blue Valley Lane to E Blue Sage Lane, with a new retaining wall with railing at Five Mile Creek.
- B. Type of Contract: Project will be constructed under one contract awarded to a single Contractor, who shall be responsible for completion of the Project, if the CCDC Board of Commissioners decides to award a contract. The contract is a Standard Agreement and General Conditions between Owner and Contractor and as modified by supplementary conditions prepared by Owner. Owner reserves the right to make revisions to the contract provisions prior to presenting the final contract for execution.

#### 1.5 SUBSTANTIAL COMPLETION

- A. Refer to Division 01 Section 017700 "Closeout Procedures" for additional Substantial Completion Procedures.
1. Contactor shall work diligently to ensure completion of the entire Work is completed within ONE HUNDRED THIRTY (130) Days from Date of Commencement.
  2. Final Completion in TWENTY-ONE (21) days after Substantial Completion.
  3. Project must be complete by June 07, 2024.

#### 1.6 WORK RESTRICTIONS

- A. Work Restrictions, General
1. Comply with all requirements and limitations on use of public streets and sidewalks and with other requirements of authorities having jurisdiction.
    - a. Traffic Signals: Disruption of traffic signals is not anticipated. If disruption is unavoidable, contact ACHD and notify Project Engineer at least five (5) business days prior to disruption of traffic lights.
    - b. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to adjacent property owners, tenants, businesses, and residents. Notify Project

- Engineer and the appropriate parties not less than two (2) business days in advance of proposed disruptive operations.
- c. Nonsmoking Buildings: Smoking is not permitted within 25 feet of building entrances, operable windows, or outdoor-air intakes.
  - d. Controlled Substances: Use of alcohol and other controlled substances on Project Site is not permitted.
- B. Work Hours: Exercise care and good judgment when operations causing high levels of noise or other disturbances are performed so as to minimize impacts on nearby residents and businesses.
- 1. Work Hours are in accordance with ACHD permit.
  - 2. Low noise impact activities such as surveying, layout and weather protection may be performed at any time.
- C. Protection of Existing Utilities; Utility Interruptions: Contractor shall exercise extreme care when working in the vicinity of existing utilities.
- 1. Retain and protect all utilities within the Project Limits not specifically identified for abandonment or relocation.
  - 2. Do not disrupt utility services without notification to utility provider and Project Engineer at least five (5) business days prior disruption.
- D. Construction in Public Rights-of-Way; Temporary Closures: The entire Project Site is in public rights-of-way. Sidewalks and vehicular travel lanes shall remain open to pedestrians, bicyclists, and motorists except for temporary closures during construction activity.
- 1. Provide continuous access during hours of use throughout the duration of the Work for all main entries and emergency exits for businesses and other occupied spaces which front on and/or take access from areas affected by the construction activity, or provide alternate entry/exit points acceptable to Project Engineer and authorities having jurisdiction.
  - 2. Maintain continuous driveway access to parking lots taking access to streets through Work Areas, except for temporary closures coordinated with parking lot owners and the Project Engineer.
  - 3. Install fencing, barricades, or other measures to direct travel by the general public through Work Areas; prevent the general public from entering Construction Zones within a Work Area where construction activity warrants such exclusion; protect the Work from damage; and protect public safety.
    - a. Install protected pedestrian routes where required by ACHD using methods acceptable to ACHD.
    - b. Temporary closures, installation of protected routes, and/or re-routing of motorists, pedestrians, and bicycle traffic are subject to the requirements and approval of authorities having jurisdiction.



- E. Securing Work Areas: Secure portions of or entire Work Areas from entry by the general public where construction activities are occurring that require exclusion to protect public safety (Construction Zones); where safe to do so, allow the general public to travel through the remainder of Work Areas (if any) to access businesses or other uses fronting on and/or taking access from Work Areas. Contractor is responsible for selecting appropriate materials and methods to identify which part(s) of a given Work Area are open to use by the general public and which part(s) should be closed Construction Zones.
1. Contractor is responsible for the safety of each Work Area on a continuing basis throughout the construction period.
  2. Contractor shall advise Project Engineer no later than the Preconstruction Meeting of the proposed materials and methods Contractor proposes to use to keep each Work Area safe for the general public. Proposed materials and methods are subject to Project Engineer acceptance.

#### 1.7 CONSTRUCTION SCHEDULE

- A. Contractor shall submit a tentative Construction Schedule including all activities, locations, and dates to Project Engineer at or before the Preconstruction Meeting. Submit a detailed Construction Schedule for Project Engineer's review and approval prior to commencement of Work.
- B. Contractor shall not begin any surface demolition or work until receipt of a written Notice to Proceed. Contractor shall diligently maintain progress and complete the work by the required Substantial and Final Completion dates.
- C. Construction Schedule shall provide for a minimum of disruption to adjacent residents and businesses.
- D. Contractor shall update the Construction Schedule as the Work progresses and provide a copy of schedule revisions to the Project Engineer as they occur. At a minimum, Contractor shall provide an updated schedule no later than the first business day of each month. Schedule revisions which would affect Contractor's ability to complete the Work by the established Substantial Completion or Final Completion date require Project Engineer and Owner approval through issuance of an approved Change Order.

#### 1.8 CONTRACTOR RESPONSIBILITIES FOR COMMUNITY RELATIONS

- A. Prior to commencement of construction, Contractor shall participate with Project Engineer and Owner in developing a communication and community relations strategy for resolving day-to-day issues, concerns, and complaints raised by property owners, building owners, tenants, residents, customers, visitors, and the general public which may be affected by construction activities in the Work Areas during the construction period. ("Other Parties Affected by Construction"). Contractor's Project Manager and point person, if different, shall attend meetings with the Owner, Project Engineer, and

Other Parties Affected by Construction to address community relations issues as needed. Contractor shall:

1. Assume responsibility for communicating the importance of maintaining good community relations during the Project to employees, subcontractors, and other construction personnel.
2. Enlist employees, subcontractors and other construction personnel in implementing the community relations plan.
3. Identify a point person employed by the Contractor who will represent the Contractor in taking calls from and meeting with Other Parties Affected by Construction.
4. Provide contact information for the point person which can be given to the general public.
5. Attend meetings with the Owner, Project Engineer, and Other Parties Affected by Construction to address community relations issues as needed.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

END OF SECTION 01 10 00

**SECTION 01 22 00 - UNIT PRICES****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
  - 1. Section 01 26 00 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
  - 2. Section 01 40 00 "Quality Requirements" for general testing and inspecting requirements.

**1.3 DEFINITIONS**

- A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

**1.4 PROCEDURES**

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included on 00 41 13 BID FORM and Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

**PART 2 - PRODUCTS (Not Used)****PART 3 - EXECUTION (Not Used)**

END OF SECTION 01 22 00

**SECTION 01 25 00 - SUBSTITUTION PROCEDURES****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for handling requests for substitutions made after award of Contract.

**1.3 DEFINITIONS**

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor after award of the contract are considered to be request for substitutions.
  - 1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
  - 2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.
- B. The following are not considered to be requests for substitutions:
  - 1. Substitutions requested during the bidding period and accepted by Addendum prior to award of the Contract are included in the Contract Documents and are not subject to requirements specified in this Section for substitutions.
  - 2. Revisions to the Contract Documents requested by the Owner or Project Engineer.
  - 3. Specified options of products and construction methods included in the Contract Documents.
  - 4. The Contractor's determination of and compliance with governing regulations and orders issued by governing authorities.

**1.4 ACTION SUBMITTALS**

- A. Substitution Requests: Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.

1. Owner and Project Engineer require electronic submittals. Identify and incorporate information in each electronic submittal. Submit requests according to procedures required for change order proposals.
2. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
  - a. Statement indicating why specified product, fabrication, or installation cannot be provided, if applicable.
  - b. Coordination information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors that will be necessary to accommodate proposed substitution.
  - c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
  - d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
  - e. Samples, where applicable or requested.
  - f. Certificates and qualification data, where applicable or requested.
  - g. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
  - h. A statement indicating the substitution's effect on the Contractor's Construction Schedule compared to the schedule without approval of the substitution. Indicate the effect of the proposed substitution on overall Contract Time.
  - i. Cost information, including a proposal of change, if any, in the Contract Sum.
  - j. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.
  - k. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.
3. Project Engineer's Action: If necessary, Project Engineer will request additional information or documentation for evaluation within five (5) business days of receipt of a request for substitution. Project Engineer will notify Contractor of acceptance or rejection of proposed substitution within five (5) business days of receipt of request, or five (5) business days of receipt of additional information or documentation, whichever is later.
  - a. Forms of Acceptance: Change Order, Construction Change Directive, or Project Engineer's Supplemental Instructions for minor changes in the Work.
  - b. Use product specified if Project Engineer does not issue a decision on use of a proposed substitution within time allocated.

## 1.5 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

## 1.6 PROCEDURES

- A. Coordination: Revise or adjust affected work as necessary to integrate work of the approved substitutions.

## PART 2 - PRODUCTS

### 2.1 SUBSTITUTIONS

- A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than seven (7) days prior to time required for preparation and review of related submittals.
  - 1. Conditions: Project Engineer will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Project Engineer will return requests without action, except to record noncompliance with these requirements.
    - a. Requested substitution is consistent with the Contract Documents and will produce indicated results.
    - b. Substitution request is fully documented and properly submitted.
    - c. Requested substitution will not adversely affect Contractor's construction schedule.
    - d. Requested substitution has received necessary approvals of authorities having jurisdiction.
    - e. Requested substitution is compatible with other portions of the Work.
    - f. Requested substitution has been coordinated with other portions of the Work.
    - g. Requested substitution provides specified warranty.
    - h. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.
- B. Substitutions for Convenience: Not allowed.

## PART 3 - EXECUTION (Not Used)

END OF SECTION 01 25 00

**SECTION 01 26 00 - CONTRACT MODIFICATION PROCEDURES****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.
  - 1. Division 01 Section 01 25 00 SUBSTITUTION PROCEDURES for administrative procedures for handling requests for substitutions made after award of the contract.

**1.2 SUMMARY**

- A. Section includes:
  - 1. Minor Changes in the Work.
  - 2. Requests for Information (RFIs).
  - 3. Change Order Proposal Requests.
  - 4. Unit Prices for Change Orders.
  - 5. Construction Change Directives.

**1.3 MINOR CHANGES IN THE WORK**

- A. Owner or Project Engineer will issue supplemental instructions authorizing minor changes in the Work not involving adjustment to the Contract Sum or the Contract Time.

**1.4 REQUESTS FOR INFORMATION (RFIs).**

- A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI to the Project Engineer, with a copy to Owner. Contractor shall submit all RFIs.
  - 1. RFI Form: Use the RFI Form provided in the Project Manual or an alternative form acceptable to the Project Engineer; follow the format and submit complete information as indicated on the provided form.
  - 2. Project Engineer will return without review any RFIs submitted to Project Engineer by any other entity, whether controlled by Contractor or not.
  - 3. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
- B. Project Engineer's Action: Project Engineer will review each RFI, determine action required, and respond within 48 hours, not including weekends.



1. Project Engineer's response may include a request for additional information, in which case Project Engineer's time for response will date from time of receipt of additional information.
2. Project Engineer's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit a Change Order Proposal according to the procedures set forth herein.
3. If Contractor believes the Project Engineer's RFI response warrants a change in the Contract Time or the Contract Sum, Contractor must notify Project Engineer in writing within 48 hours (weekends omitted) of receipt of the RFI response.

## 1.5 CHANGE ORDER PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Owner or Project Engineer will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
1. Proposal requests issued by Owner or Project Engineer are for information only. Do not consider them as an instruction either to stop work in progress or to execute the proposed change.
  2. Within five (5) days of receipt of a proposal request, submit an estimate of cost necessary to execute the change to the Owner or Project Engineer for the Owner's review.
    - a. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities.
    - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
    - c. Include costs of labor and supervision directly attributable to the change.
    - d. Include an updated Contractor's construction schedule that indicates the effect of the change on the Contract Time, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
- B. Contractor-Initiated Proposals: When latent or unforeseen conditions require modifications to the Contract, the Contractor may propose changes by submitting a request for a change to the Owner.
1. Include a statement outlining the reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and Contract Time.
  2. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities.
  3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  4. Include costs of labor and supervision directly attributable to the change.

5. Include an updated Contractor's construction schedule that indicates the effect of the change on the Contract Time, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
6. Comply with requirements in 01 25 00 SUBSTITUTION PROCEDURES if the proposed change requires substitution of one product or system for product or system specified.

#### 1.6 CHANGE ORDER PROCEDURES

- A. Upon the Owner's approval of a Proposal Request, the Owner or Project Engineer will issue a Change Order for signatures.

#### 1.7 UNIT PRICES FOR CHANGE ORDERS

- A. Unit Prices Offered by Contractor and Accepted by Owner are those listed on 00 41 13 BID FORM, submitted by Contractor with Contractor's Bid.
- B. Application of Unit Prices during Contract Time: The unit prices which were provided by the Contractor and accepted by the Owner as part of the bidding process, will be used during the Contract Time if changes in the Scope of Work occur which would add or subtract square footage, lineal footage or lump sum units included in the Unit Prices Table to or from the Project.

#### 1.8 CONSTRUCTION CHANGE DIRECTIVE

- A. Work Change Directive: When the Owner and the Contractor disagree on the terms of a Proposal Request, the Owner and Project Engineer may issue a Work Change Directive. A Work Change Directive instructs the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
  1. Work Change Directive contains a complete description of change in the Work. It also designates the method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Work Change Directive.
  1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

### **PART 2 - PRODUCTS (Not Used)**

### **PART 3 - EXECUTION (Not Used)**

END OF SECTION 01 26 00

**SECTION 01 29 00 - PAYMENT PROCEDURES****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. This Section specifies administrative and procedural requirements governing the Contractor's Applications for Payment.

**1.3 DEFINITIONS**

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
  - 1. Coordinate the Schedule of Values and Applications for Payment with Contractor's Construction Schedule, Submittal Schedule, and List of Subcontracts.

**1.4 SCHEDULE OF VALUES**

- A. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
  - 1. Correlate line items in the Schedule of Values with other required administrative forms and schedules.
  - 2. Submit the Schedules of Values for Project Engineer's review and approval no later than the date for the Preconstruction Meeting.
- B. Format and Content: Use a Schedule of Values similar to the sample (associated with Section 00 62 76 APPLICATION FOR PAYMENT FORM) provided in the Project Manual, or use an alternate form acceptable to the Project Engineer; follow the format and submit complete information as indicated in the sample.
  - 1. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports.
  - 2. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
  - 3. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

4. Each item in the Schedules of Values and Payment Applications shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
  - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense, at Contractor's option.
5. Schedule Updating: Update and resubmit the Schedule of Values before the next Application for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

#### 1.5 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as certified by and paid for by Owner.
  1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.
- B. Payment Application Times: The period covered by each Application for Payment is one month, ending on the last day of the month. Contractor shall submit the Application for Payment by the fifth business day following the last day of the month. Applications received after the fifth business day following the last day of the month shall be reviewed the following month, without exception.
- C. Forms of Payment: Owner may make payment in the form of paper check or Electronic Funds Transfer (EFT). It is the Contractor's responsibility to confirm payment choice and verify correct banking information has been provided.
- D. Application for Payment Forms: Use Application for Payment form provided or an equivalent form acceptable to the Project Engineer.
- E. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Project Engineer will return incomplete applications without action.
  1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.
  2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
- F. Information on Mechanic's Liens: Contractor acknowledges that Owner is a public entity and that any property owned by Owner is considered public property, and that liens on public property are not enforceable. Contractor agrees that it shall not file any liens against property owned or controlled by Owner which is a part of the Worksite (the "Property"). Subject to Owner's payment of the compensation in accordance with the terms of this Agreement, Contractor will promptly discharge all liens, if any, filed

against the Property by Contractor's subcontractors, suppliers and materialmen, and agents and persons employed by any of such persons.

- G. Initial Application for Payment: Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
  2. List of principal suppliers and fabricators.
  3. Schedule of Values.
  4. Contractor's Construction Schedule.
  5. Schedule of unit prices.
  6. Submittal Schedule (preliminary if not final).
  7. Copies of building permits.
  8. Copies of authorizations and licenses from governing authorities for performance of the Work.
  9. Certificates of insurance and insurance policies.
  10. Performance and payment bonds.
  11. Data needed to acquire the Owner's insurance.
  12. Report of preconstruction.
- H. Application for Payment at Substantial Completion: After the Project Engineer issues the Certificate of Substantial Completion, submit an Application for Payment.
1. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
  2. Administrative actions and submittals that shall precede or coincide with this application include:
    - a. Occupancy permits and similar approvals.
    - b. Warranties (guarantees) and maintenance agreements.
    - c. Test/adjust/balance records.
    - d. Maintenance instructions.
    - e. Changeover information related to Owner's occupancy, use, operation, and maintenance.
    - f. Final cleaning.
    - g. Application for reduction of retainage and consent of surety.
    - h. List of incomplete Work, recognized as exceptions to Project Engineer's Certificate of Substantial Completion.
- I. Final Payment Application: Administrative actions and submissions that must precede or coincide with submittal of the final Application for Payment include the following:
1. Completion of Project closeout requirements.
  2. Completion of items specified for completion after Substantial Completion.
  3. Transmittal of required Project construction records to the Owner.
  4. Insurance certificates for products and completed operations where required.
  5. Proof that taxes, fees, and similar obligations were paid.
  6. Removal of temporary facilities and services.
  7. Removal of surplus materials, rubbish, and similar elements.
  8. Updated final statement, accounting for final changes to the Contract Sum.

9. Tax Release from the Idaho State Tax Commission.
  10. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."
  11. Evidence that claims have been settled, if applicable.
  12. Final liquidated damages settlement statement, if applicable.
- J. Contractor shall execute an Acknowledgment of Final Payment Form provided to Contractor by Owner in exchange for the Final Payment.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

END OF SECTION 01 29 00

**SECTION 01 31 00 – PROJECT MANAGEMENT AND COORDINATION****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section Includes:
  - 1. General Coordination Procedures
  - 2. Project Meetings

**1.3 GENERAL COORDINATION PROCEDURES**

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation, connection, and operation of each part of the Work.
  - 1. Coordinate construction operations with other contractors.
  - 2. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation and to ensure compliance with project milestones.
  - 3. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
  - 4. Make adequate provisions to accommodate items scheduled for later installation.
- B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to:
  - 1. Preparation of Contractor's Construction Schedule.
  - 2. Preparation of the Schedule of Values.
  - 3. Installation and removal of temporary facilities and controls.
  - 4. Delivery and processing of submittals.
  - 5. Progress Meetings
  - 6. Project closeout activities.

**1.4 PROJECT MEETINGS**

- A. General: Conduct progress meetings at regular intervals.

1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Project Engineer of scheduled meeting dates and times.
  2. Agenda: Prepare the meeting agenda; distribute to all invited attendees.
  3. Minutes: Record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Project Engineer, within three (3) business days of the meeting.
- B. Preconstruction Meeting: Owner shall schedule and conduct a Preconstruction Meeting to review responsibilities and personnel assignments at a time convenient to Contractor and Project Engineer, but no later than seven (7) Days after execution of the Agreement and prior to start of construction.
1. Attendees: Authorized representatives of Owner, Project Engineer, Contractor, and Contractor's Project Manager; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to make decisions related to the Work.
  2. Agenda: Discuss items of significance that could affect progress, including:
    - a. Designation of key personnel and their duties.
    - b. Lines of communication.
    - c. Distribution of the Contract Documents.
    - d. Tentative Construction Schedule, including project milestones.
    - e. Communication and community relations strategy.
    - f. Procedures for RFIs.
    - g. Submittal procedures.
    - h. Procedures for processing field decisions and Change Orders.
    - i. Procedures for testing and inspecting.
    - j. Procedures for processing Applications for Payment.
    - k. Owner's occupancy requirements.
    - l. Work restrictions (days and hours); events that may create restrictions.
    - m. Traffic controls and temporary closures.
    - n. Parking availability.
    - o. Work and storage areas.
    - p. Equipment deliveries and priorities.
    - q. First aid.
    - r. Progress cleaning.
  3. Minutes: Owner or designee will record and distribute meeting minutes.
- C. Progress Meetings: Contractor shall conduct a weekly Progress Meeting with Project Engineer and Owner's Representative each week during the construction period in order to coordinate construction activities and to identify and resolve issues arising during construction.
4. Location: Progress Meetings are typically held in the field but may be held at Owner's offices if an office location is needed.
  5. Attendees: Contractor, Project Engineer, Owner's Representative and any subcontractors or subconsultants needed in attendance to better coordinate the



work. Contractor shall be responsible for notifying subcontractors, and Project Engineer shall be responsible for notifying subconsultants needed in attendance.

6. Agenda: Items to be discussed not limited to the following:
  - a. Project Schedule.
  - b. Status of Work, including any specific field issues or questions.
  - c. Review present and future needs of Attendees, including:
    - 1) Interface requirements.
    - 2) Any intermediate (milestone) completion dates identified in Contract Documents.
    - 3) Status of submittals.
    - 4) Deliveries.
    - 5) Site utilization and access.
    - 6) Quality and work standards.
    - 7) Status of correction of deficient items.
    - 8) Field observations.
    - 9) Testing results.
    - 10) Status of RFIs.
    - 11) Pending changes.
7. Minutes: Project Engineer shall be responsible for preparing and distributing meeting minutes to Owner, Contractor, and any subcontractors or subconsultants that have work assignments resulting from the meeting.

## **PART 2 - PRODUCTS (Not Used)**

## **PART 3 - EXECUTION (Not Used)**

END OF SECTION 01 31 00

## SECTION 01 33 00 - SUBMITTAL PROCEDURES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for submittals required for performance of the Work, including: Shop Drawings, Product Data, Samples, and other submittals.

#### 1.3 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Project Engineer's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals." Submittals may be rejected for not complying with requirements.
- B. Informational Submittals: Written and graphic information and physical samples that do not require Project Engineer's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."
- C. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

#### 1.4 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
  - 3. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.

- a. Project Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- B. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Project Engineer's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
  1. Initial Review: Allow five (5) business days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required.
  2. Resubmittal Review: Allow five (5) business days for review of each resubmittal.
  3. No extension of Contract Time will be authorized because of failure to transmit submittals to the Project Engineer sufficiently in advance of the Work to permit processing.
- C. Electronic Submittals: Owner and Project Engineer require electronic submittals. Identify and incorporate information in each electronic submittal file as follows:
  1. Assemble complete submittal package into a single indexed file incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
  2. Name file with submittal number or other unique identifier, including revision identifier.
    - a. File name shall use project identifier and Specification Section number followed by a decimal point and then a sequential number (e.g., LNHS-061000.01).
    - b. Resubmittals shall include an alphabetic suffix after another decimal point (e.g., LNHS-061000.01.A).
  3. Provide means for insertion to permanently record Contractor's review and approval markings and action taken by Project Engineer.
  4. Transmittal Form for Electronic Submittals: Use electronic form acceptable to Owner, containing the following information:
    - a. Project name.
    - b. Date.
    - c. Name and address of Contractor's Project Manager.
    - d. Name of firm or entity that prepared submittal.
    - e. Names of subcontractor, manufacturer, and supplier.
    - f. Category and type of submittal.
    - g. Submittal purpose and description.
    - h. Transmittal number.
    - i. Transmittal index and navigation links to each specification section or drawing number for which a submittal is being made.
    - j. Location(s) where product is to be installed, as appropriate.
    - k. Related physical samples submitted directly.
    - l. Indication of full or partial submittal.
    - m. Other necessary identification.
    - n. Remarks.

- D. Options: Identify options requiring selection by Project Engineer.
- E. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
  - 1. Note date and content of previous submittal.
  - 2. Note date and content of revision in label or title block and clearly indicate extent of revision.
  - 3. Resubmit submittals until they are marked with approval notation from Project Engineer's action stamp.
- F. Distribution: Furnish copies of final submittals to manufacturers' representatives, subcontractors, suppliers, fabricators, Installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- G. Use for Construction: Use only final action submittals that are marked with approval notation from Project Engineer's action stamp.

## **PART 2 - PRODUCTS**

### **2.1 SUBMITTAL PROCEDURES**

- A. General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
  - 1. Submit electronic submittals via email as PDF electronic files.
    - a. Each submittal shall have a shop drawing or Contractor's document stamp on the submittal prior to submittal to Project Engineer. Contractor's document stamp shall indicate that Contractor reviewed the submittal and determined, to the best of Contractor's ability, the submittal is in general conformance with the Drawings and Specifications. Contractor's document stamp shall be signed and dated.
    - b. Project Engineer will return annotated electronic file. Annotate and retain one copy of file as an electronic Project record document file.
  - 2. Action Submittals: Submit via email as PDF electronic files. Project Engineer will return annotated electronic file.
  - 3. Informational Submittals: Submit via email as PDF electronic files. Project Engineer will not respond to informational submittals.
  - 4. Certificates and Certifications Submittals: Provide a digital signature on electronically submitted certificates and certifications where allowed. Provide a notarized statement on original paper copy certificates and certifications where indicated or where required by Project Engineer or Owner.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.

1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
  2. Mark each copy of each submittal to show which products and options are applicable.
  3. Each submittal and/or product data shall have a shop drawing or Contractor's document stamp on the submittal prior to submittal to Project Engineer. Contractor's document stamp shall indicate that Contractor reviewed the submittal and determined, to the best of Contractor's ability, the submittal is in general conformance with the Drawings and Specifications. Contractor's document stamp shall be signed and dated.
  4. Include the following information, as applicable:
    - a. Manufacturer's catalog cuts.
    - b. Manufacturer's product specifications.
    - c. Standard color charts.
    - d. Statement of compliance with specified referenced standards.
    - e. Testing by recognized testing agency.
    - f. Application of testing agency labels and seals.
    - g. Notation of coordination requirements.
    - h. Availability and delivery time information.
  5. Submit Product Data before or concurrent with Samples.
- C. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
  2. Identification: Attach label on unexposed side of Samples that includes the following:
    - a. Specification Section number and reference.
    - b. Generic description of Sample.
    - c. Sample source.
    - d. Product name or name of manufacturer.
    - e. Compliance with recognized standards.
    - f. Availability and delivery time.
  3. For projects where electronic submittals are required, provide corresponding electronic submittal of Sample transmittal, digital image file illustrating Sample characteristics, and identification information for record.
  4. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
    - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.

5. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
  - a. Number of Samples: Submit one set of Samples. Project Engineer will retain Sample set.
    - 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
    - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three (3) sets of paired units that show approximate limits of variations.
- D. Application for Payment and Schedule of Values: Comply with requirements specified in Section 01 29 00 "Payment Procedures."
- E. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Section 01 77 00 "Closeout Procedures."
- F. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of Engineers and owners, and other information specified.
- G. Installer Certificates: Submit written statements on manufacturer's letterhead certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
- H. Manufacturer Certificates: Submit written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
- I. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.
- J. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
- K. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
- L. Field Test Reports: Submit reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.

**PART 3 - EXECUTION****3.1 CONTRACTOR'S REVIEW**

- A. Action and Informational Submittals: Review each submittal and check for coordination with other Work under the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Project Engineer.
- B. Project Closeout and Maintenance Material Submittals: Follow the requirements in Section 01 77 00 "Closeout Procedures."
- C. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

**3.2 PROJECT ENGINEER'S ACTION**

- A. General: Project Engineer will not review submittals that do not bear Contractor's approval stamp and will return them without action. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from the Project Engineer.
- B. Action Submittals: Project Engineer will review each submittal, make marks to indicate corrections or revisions required, and return promptly. Project Engineer will stamp each submittal with an action stamp and will mark stamp appropriately to indicate the action taken.
- C. Informational Submittals: Project Engineer will review each submittal and will not return it, or will return it if it does not comply with requirements. Project Engineer will forward each submittal which complies with requirements to appropriate party.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Submittals not required by the Contract Documents may be returned by the Project Engineer without action.

END OF SECTION 01 33 00

## **SECTION 01 40 00 - QUALITY REQUIREMENTS**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
  - 1. Specific quality assurance and quality control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in these Sections may also cover production of standard products.
  - 2. Specified tests, inspections, and related actions do not limit Contractor's other quality assurance and quality control procedures that facilitate compliance with the Contract Document requirements.
  - 3. Requirements for Contractor to provide quality assurance and quality control services required by Project Engineer, Owner, or authorities having jurisdiction are not limited by provisions of this section.

#### **1.3 DEFINITIONS**

- A. Quality Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.
- B. Quality Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated in the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Project Engineer.
- C. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria.
- D. Product Testing: Tests and inspections that are performed by an NRTL, an NVLAP, or a testing agency qualified to conduct product testing and acceptable to authorities



having jurisdiction, to establish product performance and compliance with specified requirements.

- E. Source Quality Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- F. Field Quality Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- G. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- H. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
- I. Experienced: When used with an entity or individual, "experienced" means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

#### 1.4 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Project Engineer for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Project Engineer for a decision before proceeding.

#### 1.5 ACTION SUBMITTALS

- A. Shop Drawings: For integrated exterior mockups, provide plans, sections, and elevations, indicating materials and size of mockup construction.
  - 1. Indicate manufacturer and model number of individual components.
  - 2. Provide axonometric drawings for conditions difficult to illustrate in two dimensions.

## 1.6 INFORMATIONAL SUBMITTALS

- A. Contractor's Quality Control Plan: For quality assurance and quality control activities and responsibilities.
- B. Qualification Data: For Contractor's quality control personnel.

## 1.7 CONTRACTOR'S QUALITY CONTROL PLAN

- A. Quality Control Plan, General: Submit quality control plan prior to or on the date established for the Preconstruction Conference. Submit in format acceptable to Project Engineer. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality assurance and quality control responsibilities. Coordinate with Contractor's Construction Schedule.
- B. Quality Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality assurance and quality control procedures similar in nature and extent to those required for Project.
- C. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.
- D. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mockups.
- E. Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include work the Project Engineer has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming work into compliance with requirements. Comply with requirements of authorities having jurisdiction.

## 1.8 REPORTS AND DOCUMENTS

- A. Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:
  - 1. Name, address, and telephone number of technical representative making report.
  - 2. Statement on condition of substrates and their acceptability for installation of product.
  - 3. Statement that products at Project site comply with requirements.
  - 4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
  - 5. Results of operational and other tests and a statement of whether observed performance complies with requirements.

6. Statement whether conditions, products, and installation will affect warranty.
  7. Other required items indicated in individual Specification Sections.
- B. Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Specification Sections. Include the following:
1. Name, address, and telephone number of factory-authorized service representative making report.
  2. Statement that equipment complies with requirements.
  3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
  4. Statement whether conditions, products, and installation will affect warranty.
  5. Other required items indicated in individual Specification Sections.
- C. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

## 1.9 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
- D. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- E. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

## 1.10 QUALITY CONTROL

- A. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality control activities required to verify that the Work complies with requirements, whether specified or not.
1. Unless otherwise indicated, provide quality control services specified and those required by authorities having jurisdiction. Perform quality control services required of Contractor by authorities having jurisdiction, whether specified or not.
  2. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality control services.
  3. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
  4. Where quality control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality control service.
  5. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
  6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- B. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing.
- C. Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in pre-installation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.
- D. Retesting/Reinspection: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
- E. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel.
- F. Coordination: Coordinate sequence of activities to accommodate required quality assurance and quality control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

**PART 2 - PRODUCTS (Not Used)****PART 3 - EXECUTION****3.1 REPAIR AND PROTECTION**

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
  - 1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible.
- B. Protect construction exposed by or for quality control service activities.
- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality control services.

END OF SECTION 01 40 00

**SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Requirements:
  - 1. See Section 01 10 00 SUMMARY for work restrictions and limitations on utility interruptions.

**1.3 USE CHARGES**

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated in this Section.

**PART 2 - PRODUCTS****2.1 MATERIALS**

- A. Contractor shall be responsible to select appropriate materials and methods for temporary installations. Provide types and qualities which are recognized in the construction industry as suitable for the intended use in each application.

**2.2 EQUIPMENT**

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

**PART 3 - EXECUTION****3.1 INSTALLATION, GENERAL**

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay.

**3.2 TEMPORARY UTILITY INSTALLATION**

- A. Water Service: Contractor shall furnish own water supply for construction operations. Do not connect to public water mains or property owners' water service lines for water required for construction operations.
- B. Wastewater: Dispose of any wastewater from construction operations at an approved off-site location. Do not dispose of wastewater into public sanitary sewer system, public storm drains or public or private landscaped areas. Disposal of wastewater into any storm sewer is strictly prohibited by the City of Boise. Contractor is responsible for proper off-site disposal in a legal manner of all wastewater generated by the Work and for any associated disposal fees.
- C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Temporary toilets shall be secured when construction personnel are not present in the adjacent Work Area. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
  - 1. Coordinate with other on-site contractors, if applicable.
- D. Electric Power Service: Do not connect to Owner's, Boise City's, or private property owners' electric power. Contractor shall furnish own electric power for construction operations.
- E. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions, if required for construction operations or security on Project Site.

**3.3 SUPPORT FACILITIES INSTALLATION**

- A. Parking: Contractor shall be responsible at its sole cost and expense for making arrangements for parking needed by its operations.
- B. Waste Disposal Facilities:
  - 1. Provide waste collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having

jurisdiction. Comply with progress cleaning requirements in all Specifications and final cleaning requirements in Section 01 77 00 "Closeout Procedures".

2. Trash dumpsters on adjacent properties to the Project Site shall not be used for waste disposal.

### 3.4 SAFETY, SECURITY AND PROTECTION FACILITIES INSTALLATION

Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project Site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- B. Safety and Security Measures: On project Site Work Areas in public rights-of-way, comply with requirements of ACHD and other agencies having jurisdiction in establishing safety and security measures.
  1. Install temporary enclosures within Work Areas as is practical and advisable to protect public safety, protect construction in progress or completed, and secure equipment, materials and work products while maintaining the general public's access to adjacent buildings and parking lots.
  2. Parking lanes may be used for staging and temporary storage of materials if temporary enclosures or other measures are installed to protect public safety and secure equipment and materials, and use of parking lanes is approved by agencies having jurisdiction.
  3. Provide fencing, barricades, signs, and/or other measures to prevent the general public from gaining access to those portions of Work Areas that are under active construction.
  4. Protect construction, in progress and completed, from other construction operations and from damage, theft, vandalism, and mischief.
  5. Temporary railing to be installed upon pathway completion and prior to installation of permanent railing.
- C. Traffic Controls: Travel lanes in street rights-of-way shall remain open to traffic except during temporary street closures approved by ACHD. Implement traffic controls during right-of-way closures as required by authorities having jurisdiction.



- D. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.

### 3.5 OPERATION, TERMINATION, AND REMOVAL

- A. Maintenance: Maintain facilities in good operating condition until removal.
- B. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Materials and facilities that constitute temporary facilities are the property of Contractor.
- C. Care of Permanent Construction and Facilities: Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired. Repair or replacement of construction and cleaning shall be at the sole cost of the Contractor.
  - 1. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements of Section 01 77 00 "Closeout Procedures."

END OF SECTION 01 50 00

**SECTION 01 73 00 - EXECUTION****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this section.

**1.2 SUMMARY**

- A. Section includes:
  - 1. Quality Assurance
  - 2. Warranty
  - 3. Materials
  - 4. Examination and Preparation
  - 5. Construction Layout
  - 6. Installation of the Work.
  - 7. Cutting and patching.
  - 8. Progress cleaning.
  - 9. Starting and adjusting.
  - 10. Protection of installed construction.
  - 11. Correction of the Work.

**1.3 QUALITY ASSURANCE**

- A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.
  - 1. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that result in increased maintenance or decreased operational life or safety.
  - 2. Visual Elements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch exposed construction in a manner that would, in Project Manager's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

**1.4 WARRANTY**

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during installation or cutting and patching operations, by methods and with materials so as not to void existing warranties.

**PART 2 - PRODUCTS****2.1 MATERIALS**

- A. General: Comply with requirements specified in other Sections.
- B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.
  - 1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to the Project Manager for the visual and functional performance of in-place materials.

**PART 3 - EXECUTION****3.1 EXAMINATION**

- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.
  - 1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; underground electrical services, and other utilities.

**3.2 PREPARATION**

- A. Existing Utility Information: Furnish information to local utility and Owner that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. Coordinate with authorities having jurisdiction.
- B. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- C. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- D. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of the Contractor, submit a request for information (RFI) to Project Manager.

### 3.3 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify Project Manager promptly.
- B. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rim and invert elevations.

### 3.4 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
  - 1. Make vertical work plumb and make horizontal work level.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- E. Sequence the work in coordination with other contractors on site as needed.
- F. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.
- G. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.
  - 1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Project Manager.
  - 2. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
- H. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.
- I. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

### 3.5 CUTTING AND PATCHING

- A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.
  - 1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.
- B. Temporary Support: Provide temporary support of work to be cut.
- C. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.
- D. Adjacent Occupied Areas: Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.
- E. Existing Utility Services and Mechanical/Electrical Systems: Where existing services/systems are required to be removed, relocated, or abandoned, bypass such services/systems before cutting to minimize interruption to occupied areas.
- F. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
  - 1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  - 2. Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
  - 3. Concrete and Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
  - 4. Excavating and Backfilling: Comply with requirements in applicable sections and/or Construction Drawings where required by cutting and patching operations.
  - 5. Mechanical and Electrical Services: Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
  - 6. Proceed with patching after construction operations requiring cutting are complete.
- G. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Patch with durable seams that are as invisible as practicable. Provide materials and comply with installation requirements specified in other Sections, where applicable.
  - 1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.

2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will minimize evidence of patching and refinishing.

- H. Cleaning: Clean areas and spaces where cutting and patching are performed. Remove paint, mortar, oils, putty, and similar materials from adjacent finished surfaces.

### 3.6 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
  1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
  2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F
  3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
  4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
  1. Remove liquid spills promptly.
  2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
- D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.
- E. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
- F. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways or into planters or tree wells.
- G. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

- H. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

### 3.7 STARTING AND ADJUSTING

- A. Starting: Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.
- B. Adjusting: Adjust equipment for proper operation. Adjust operating components for proper operation without binding.
- C. Testing: Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

### 3.8 PROTECTION OF INSTALLED CONSTRUCTION

- A. General: Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Comply with manufacturer's written instructions for temperature and relative humidity.

### 3.9 CORRECTION OF THE WORK

- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
  - 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.
- B. Restore permanent facilities used during construction to their specified condition.
- C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.
- D. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.

END OF SECTION 01 73 00

**SECTION 01 77 00 CLOSEOUT PROCEDURES****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Special Provisions, and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. This section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Substantial Completion Procedures
  - 2. Substantial & Final Completion Procedures
  - 3. Warranties
  - 4. Project Record Documents
  - 5. Materials
  - 6. Final Cleaning
  - 7. Repair of the Work
- B. For purposes of this Section 01 77 00, requirements applicable to the Project Site are also applicable to each individual Work Area unless otherwise noted.

**1.3 SUBSTANTIAL & FINAL COMPLETION PROCEDURES**

- A. Substantial Completion Procedures
  - 1. Substantial Completion Procedures - General
    - a. Substantial Completion of the Work, or a designated portion, occurs on the date when the Work is sufficiently complete in accordance with the Contract Documents that the Owner may occupy and utilize the Project for its intended use, without unscheduled disruption. This date shall be confirmed by a Certificate of Substantial Completion ("Substantial Completion Certificate") signed by the Owner, Project Engineer, and Contractor.
    - b. Procedures for determining if the Project has achieved Substantial Completion and for issuing a Substantial Completion Certificate are set forth in this Section and section 9.6 of the Contract.
    - c. The Contractor is responsible for substantially completing the Work based on the Contractor's best knowledge and understanding of the Contract Documents, for providing the Project Engineer submittals listed in this Section 01 77 00, and for completing the procedures described herein before requesting an inspection to determine if the Project has achieved



Substantial Completion. The Project Engineer and Owner shall assess if the Contractor has met the requirements and Work on the Project is sufficient to issue a Substantial Completion Certificate.

2. Submittals Prior to Substantial Completion: Deliver the following submittals to the Project Engineer a minimum of five (5) business days prior to requesting an inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
  - a. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
  - b. Submit proof of filing the Request for Tax Release form with Idaho State Tax Commission.
  - c. Submit warranties, insurance and/or bonds on workmanship and materials, maintenance service agreements, final certifications, and similar documents as required by the Contract, the drawings and specifications, and authorities having jurisdiction.
  - d. Submit Project Record Documents.
  - e. Test/adjust/balance records, if applicable.
3. Procedures Prior to Substantial Completion Inspection: Complete the following a minimum of five (5) business days prior to requesting an inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
  - a. Terminate and remove temporary facilities and mockups from Project Site unless approved by Project Engineer to be incorporated into the Work, construction tools, and similar elements.
  - b. Complete final cleaning requirements.
  - c. Repair and restore existing buildings and improvements if damaged and/or defaced by construction activity whether inside or outside Project Site to match existing condition prior to commencement of construction.
  - d. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects including touchup painting.
4. Inspection; Issuance of Punch List: Submit a written request for inspection to determine Substantial Completion a minimum of three (3) business days prior to date the Work will be completed and ready for inspection. On receipt of request, Project Engineer will schedule the Inspection within two (2) business days of receipt of request. Upon inspection, if the Project Engineer deems the Project is Substantially Complete at time of inspection, a punch list of incomplete items will be given to the Contractor along with a Certificate of Substantial Completion. If significant amounts of Work are unfinished, the Project Engineer, at his or her discretion, can deem the Work not Substantially Complete and require the Contractor to request a reinspection upon completion of the Work.
  - a. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete or defective is completed or corrected.

- b. Results of completed inspection may result in Certificate of Substantial Completion or requirement to request another reinspection.
  5. Issuance of Certificate of Substantial Completion: The Certificate of Substantial Completion shall include the date on which Substantial Completion was attained. The Punch List, if issued, shall be attached to the Certificate of Substantial Completion. Owner shall distribute copies of the fully executed Certificate of Substantial Completion to the Project Engineer and Contractor.
- B. Final Completion Procedures
  1. Final Completion Procedures – General
    - a. Final Completion of the Work occurs on the date when the Work under the Contract is complete and is accepted by Owner and final payment becomes due and payable. This date shall be confirmed by a Certificate of Final Completion signed by the Owner, Project Engineer, and Contractor ("Final Completion Certificate").
    - b. Procedures for determining if the Project has achieved Final Completion and for issuing a Certificate of Final Completion are set forth in this Section and the Contract.
    - c. The Contractor is responsible for completing the Work based on the Contractor's best knowledge and understanding of the Contract Documents, for providing the Project Engineer submittals listed in Section 01 77 00, and for completing the procedures described herein before requesting an inspection to determine if the Project has achieved Final Completion. The Project Engineer and Owner shall assess if the Contractor has met the requirements and Work on the Project is sufficient to issue a Certificate of Final Completion.
  2. Submittals Prior to Final Completion Inspection: Before requesting a final inspection, complete the following:
    - a. Submit a final Application for Payment according to Contract requirements.
    - b. Submit a copy of the Project Engineer's Punch List with notations indicating each item has been completed or otherwise resolved for acceptance.
    - c. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance and /or warranty requirements.
    - d. Submit proof of Tax Release from the Idaho State Tax Commission.
    - e. AIA document G706, "Contractor's Affidavit of Payment of Debts and Claims".
  3. Procedures Prior to Final Completion Inspection:
    - a. Perform final cleaning of Project Site and adjacent areas affected by construction.
  4. Inspection: Submit a written request for inspection to determine if Final Completion has been achieved a minimum of two (2) business days prior to

date the work will be completed and ready for final inspection and tests ("Final Inspection"). Project Engineer will either schedule the Final Inspection within two (2) business days of the request and proceed with the inspection or notify Contractor of requirements that must be fulfilled before the inspection can proceed. If the Project Engineer determines that the Contractor has achieved Final Completion of the Project, Project Engineer shall issue a Certificate of Final Completion. If the Project Engineer determines that the Contractor has not achieved Final Completion of the Project, the Project Engineer will notify the Contractor of Punch List items that must be completed or corrected before a Certificate of Final Completion can be issued.

- a. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete or defective is completed or corrected.
  - b. Results of completed inspection may result in Certificate of Final Completion or requirement to request another reinspection.
5. Issuance of Certificate of Final Completion: The Certificate of Final Completion shall include the date on which Final Completion was attained.
  6. Acknowledgement of Final Payment: Contractor shall execute an Acknowledgment of Final Payment Form for Owner in exchange for Final Payment.

C. List of Incomplete Items (PUNCH LIST)

1. Project Engineer is responsible for preparing and issuing the Punch List at the time which the Certificate of Substantial Completion is issued. If work to complete or correct these items is minor in nature and will not interfere with Owner's ability to occupy and use the Project or a designated portion thereof for its intended use and such occupation and use will not cause undue interference in the completion of the Work, the Project Engineer may issue the Certificate of Substantial Completion with a Punch List. The Punch List shall specify the time for completion or correction of items listed. Contractor shall promptly complete all items on the Punch List.
2. Organization of List: Project Engineer shall include name and identification of each area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the Project Site. Project Engineer shall use a standard Punch List form that includes the following information:
  - a. Project name
  - b. Project area
  - c. Name of Project Superintendent/Contractor's Project Manager
  - d. Name of Contractor
  - e. Page number

1.4 WARRANTIES; CORRECTION OF WORK

- A. Contractor's Warranty: See Warranty requirements in the Contract.

- B. Warranties Required by Technical Specifications: Requirements regarding warranties appear in the Drawings.
- C. Manufacturer's and Supplier's Warranties
  - 1. Identify each product expected to be used in the Work that has a manufacturer's or supplier's written warranty. For warranted products, submit warranty information to the Project Engineer as soon as the product is received by Contractor for installation.
  - 2. Time of Submittal
    - a. File documentation required by the manufacturer or supplier for the warranty to be effective in a timely manner so warranty rights are not lost. Provide copies of this documentation to Project Engineer. If the Project Engineer or Owner is required to submit documentation to the manufacturer or supplier to activate a warranty, notify the Project Engineer promptly so due dates for filing, if any, are not missed.
    - b. If the warranty is triggered by Substantial or Final Completion, submit warranties at the appropriate time to Project Engineer.
    - c. Project Engineer may request Contractor to submit warranties at an earlier date when warranties commence earlier than Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.
  - 3. Organize warranty documents in an orderly sequence based on the Technical Specification Sections.
- D. Correction of Work
  - 1. Requirement for Correction of Defective Work: Contractor is required to correct any Defective Work promptly and at its own cost and time for two (2) years after date of Substantial Completion as per Contract.

## 1.5 ACKNOWLEDGEMENT OF FINAL PAYMENT

- A. Contractor shall execute an Acknowledgment of Final Payment Form for Owner in exchange for Final Payment.

## PART 2 - PRODUCTS

### 2.5 PROJECT RECORD DOCUMENTS

- A. General: This Section includes administrative and procedural requirements for Project Record Documents, including the following:
  - 1. As-Built Drawings.
  - 2. Record Specifications.
  - 3. Record Documents.
- B. As-Built Drawings and Record Drawings:

1. As-Built Drawings: Submit one set of original, clean Drawings issued by Owner as part of the Contract Documents, marked-up to show any changes made in the field during the course of construction such as design changes approved by Owner, actual installations, component relocations required for coordination, rerouting of distribution system, etc. which differ from the original As-Built Drawings. As-Built Drawings shall be delivered to the Project Engineer at the time the Substantial Completion Inspection is requested. Project Engineer will indicate whether general scope of changes, additional information recorded, and quality of drafting are acceptable. If the submittal is not acceptable to Project Engineer, it will be returned to Contractor for corrections.
  2. Record Drawings: Project Engineer shall be responsible for creating digital Record Drawings incorporating the mark-ups on the As-Built Drawings submitted by the Contractor. A digital copy of Record Drawings will be issued to the Contractor at Final Completion.
- C. As-Built Drawings, General: Maintain one set of marked up paper copies of Contract Drawings and Shop Drawings.
1. Preparation: Mark Contract Drawings to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding As-Built Drawings.
    - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later such as irrigation, storm water, and suspended pavement systems.
    - b. Record data as soon as possible after obtaining it.
    - c. Record and check the markup before enclosing concealed installations.
  2. Mark the Contract Drawings and Shop Drawings completely and accurately. Utilize personnel proficient at recording graphic information in production of marked-up record prints.
  3. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location. Colored pencil marks are to be made bold enough such that if they are scanned the marks will be legible.
  4. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification where applicable.
- D. As-Built Drawings, Format: Identify and date each As-Built Drawing; include the designation "AS-BUILTS" in a prominent location.
1. As-Built Prints: Organize As-Built prints and newly prepared As-Built Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
  2. Identification: As follows:
    - a. Project name.
    - b. Date.
    - c. Designation "AS-BUILTS."

- d. Name of Project Superintendent/Contractor's Project Manager.
  - e. Name of Contractor.
- E. Recording of Record Documents: Maintain one copy of each submittal during the construction period for Project Record Document purposes. Post changes and modifications to Project Record Documents as they occur; do not wait until the end of Project.
- F. Maintenance of Record Documents. Store record documents in the field apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Project Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Project Engineer's reference during normal working hours.

### **PART 3 - EXECUTION**

#### **3.5 MATERIALS**

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
- 1. Use cleaning products that comply with Green Seal's GS-37; if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

#### **3.6 FINAL CLEANING**

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Technical Specifications: Requirements regarding cleaning appear in the Drawings.
- C. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
- 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
    - a. Clean Project site, areas affected by construction activity outside the Project Site, storage areas and staging areas of rubbish, waste material, litter, and other foreign substances.

- b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
  - c. Freshen and rake mulch in planter beds, tree circles and under trees.
  - d. Clean surfaces of site furnishings to remove dust, dirt, staining, mortar or grout droppings and other foreign substances. Surface of furnishings shall be in new condition as of the date the Certification of Final Completion is issued. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
  - e. Remove tools, construction equipment, machinery, and surplus material from Project Site.
  - f. Leave Project Site clean and ready for use.
- D. Construction Waste Disposal: Comply with waste disposal requirements in Section 01 50 00 TEMPORARY FACILITIES AND CONTROLS

### 3.7 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
  - 1. Touch up and otherwise repair and restore marred or exposed finishes and surfaces so the repair or restoration work is undetectable. Replace finishes and surfaces that show evidence of repair or restoration work.
    - a. Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates. Remove paint applied to required labels and identification.
  - 2. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
  - 3. Replace burned-out bulbs, bulbs noticeably dimmed by hours of use, and defective and/or noisy ballasts to comply with requirements for new fixtures.
- C. Replace plant material which is dead, not surviving, or in poor condition at the time of Substantial Completion. All replacement work shall be done prior to issuance of the Certificate of Final Completion for the Project, except if necessary due to weather conditions and temperatures, shall be done in the next planting season. All replacement work shall be done at no cost to Owner.
- D. Repair, refinish, or replace site furnishings that have been damaged, dented, scraped or defaced by the time of Substantial Completion. Furnishings which

cannot be repaired or refinished to new condition shall be replaced. All replacement work shall be done prior to issuance of the Certificate of Final Completion for the Project, and shall be done at no cost to Owner.

- E. Repair and restore existing buildings and improvements if damaged and/or defaced by construction activity whether inside or outside Project Site to match existing condition prior to commencement of construction.

END OF SECTION 01 77 00



**SPECIAL PROVISIONS**  
**FOR**  
**EISENMAN ROAD**  
**PEDESTRIAN FACILITIES**

OWNER

**CAPITAL CITY DEVELOPMENT CORPORATION**  
121 N. 9<sup>TH</sup> STREET, SUITE 501  
BOISE, IDAHO 83702  
208-384-4264



PREPARED BY  
**CIVIL SURVEY CONSULTANTS, INC.**  
2893 S. MERIDIAN ROAD  
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208-888-4312

## **GENERAL PROVISIONS**

### **1. BASIS OF PAYMENT**

Except as modified herein, the various work items called for on the "Bid Schedule" will be performed, measured, and paid for as indicated on said Bid Schedule and as provided in the Current Edition of the Idaho Standards for Public Works Construction (ISPWC) and adopted ACHD Supplements. The Contractor is required to be a current holder of the Idaho Standards for Public Works Construction and all ACHD supplements. Any work required to complete the project but not specifically included in a bid item shall be considered incidental to the project and no separate payment shall be made.

### **2. DAMAGE**

The Contractor will be responsible for retaining and protecting all fire hydrants, mailboxes, sprinkler systems, shrubs, sod, landscaping, trees, fences, etc., within the construction limits, unless otherwise shown on the plans. The Contractor will also be responsible for retaining and protecting all improvements outside the construction limits. Any items damaged shall be promptly repaired or replaced to a condition "equal to or better" than existed prior to construction by the Contractor. The cost to complete such repairs shall be considered as incidental to the cost of the project and no separate payment will be made.

### **3. PROJECT MAINTENANCE**

The Contractor will be responsible for project maintenance throughout the life of the contract. This responsibility includes, but is not limited to, dust control, maintenance of irrigation facilities, blading, maintenance of detours, maintenance of all intersecting street approaches, proper and adequate drainage, access for emergency equipment and appropriate access for property owners.

The cost of all maintenance work shall be considered incidental to other project work and no separate payment will be made.

### **4. COORDINATION**

It shall be the Contractor's responsibility to contact and work with the property owners, irrigation districts, ditch riders, utility companies, and any other parties as necessary to coordinate and install improvements required by this project. This coordination effort shall include, but not be limited to, coordination with utility companies in their efforts to relocate their facilities as a result of this project and working other than normal working hours to permit the relocation of the utilities and construction of the required improvements within the time frame of this contract.

Utility information is shown only for surface features. The information shown is for reference purposes only and does not necessarily represent actual field conditions. The Engineer assumes no liability for the accuracy of the information shown, or conflicts due to inaccurate or incomplete utility information. The Contractor shall call Dig Line a minimum of 48 hours prior to any excavation to request utility locations at 1-800-342-1585.

The Contractor shall expose all existing utility crossings to verify locations and elevations prior to any other construction that may affect those utilities. The cost associated with exposing the existing utilities is considered incidental to the project and no separate payment will be made unless otherwise specified on plans.

Contractor shall coordinate all work with property owners and complete all work within existing public utilities or irrigation easements. All disturbed surfaces shall be restored to a condition equal to or better than existed prior to construction. All surface restoration shall be considered incidental to the project and no separate payment will be made.

5. ACCESS TO PROJECT

Local access, business, and emergency vehicle access shall be maintained at all times.

6. QUANTITY PAYMENT

Payment will be made for the actual quantity of each bid item completely installed and accepted by the Owner. Payment will be based upon the units specified for each item at the unit prices shown in the bid schedule or approved change order.

7. COMPACTION

Compaction requirements shall be in accordance with the applicable sections of the ISPWC and ACHD supplemental specifications. The cost to complete this work, including watering and drying, shall be considered incidental to the cost of the project and no additional payment shall be made. Contractor shall provide compaction testing of all materials by an independent thirty party testing firm. A copy of testing results shall be provided to the project owner.

8. LANDSCAPING

The Contractor shall maintain the existing landscaping in the same condition as found. If the contractor is unable to work around the landscaping, then the work shall be completed and the contractor shall repair or replace the landscaping to an "as good or better condition" than existed before work started. The Contractor shall retain and protect any sprinkler systems encountered, unless specifically designated otherwise. The cost of this work shall be considered incidental to the project. All work to remove and reinstall existing trees or bushes shall be completed by a licensed landscape contractor. Removed trees or bushes that Contractor plans to reinstall shall be properly bedded and irrigated during construction activities. If existing trees and bushes are replaced with a new tree or bush, they shall be of same type and property owner shall approve items prior to Contractor planting items. Each new tree shall have a minimum caliper of 2 inches.

9. MISCELLANEOUS

The Contractor shall repair or pay the owner to repair, any utility damaged during construction. The Contractor shall repair any sprinkler systems damaged during construction. The cost of these repairs, unless specifically identified as a bid item, shall be considered as incidental to the cost of the project, and no separate payment will be made.

Removing and resetting of any existing street signs, fences, mailboxes, or miscellaneous items as required shall be incidental to the project and no separate payment shall be made.

The Contractor shall perform, coordinate and schedule various construction tasks such that adequate protection is provided to all existing and new underground utilities.

#### 10. HIGH VOLTAGE, OVERHEAD, POWER LINES

The Contractor's attention is directed to, and compliance is required with, the requirements of Title 55, chapter 24, Idaho Code, which regulates certain work by contractors near high voltage, overhead, power lines.

#### 11. SURVEYING

The Owner will provide one set of construction stakes for the new back of pathway and retaining wall.

It shall be the Contractor's responsibility to protect construction stakes once requested by the Contractor. Construction stakes destroyed after being requested by the Contractor shall be restored at Contractor's expense. These costs shall be deducted from progress payments. The Contractor shall remove all construction stakes remaining at project completion. The cost to remove stakes shall be considered incidental to the project.

Contractor shall preserve all survey land monuments. If monuments are disturbed, Contractor shall be responsible for having a licensed professional surveyor reestablish monuments. Cost shall be considered incidental to project. If Contractor fails to have monuments reestablished the Owner shall contract with a licensed surveyor to reestablish disturbed monuments and the cost shall be deducted from the final payment.

#### 12. TESTING

Contractor shall provide compaction testing of all materials by an independent third-party testing firm. A copy of testing results shall be provided to the project owner.

Re-testing necessitated by the failure of quality assurance testing of materials placed by the Contractor shall be at the Contractor's expense. These costs shall be deducted from progress estimates.

#### 13. ON-SITE SUPERVISION

The General Contractor shall provide competent on-site supervision during any and all construction activities by his forces or subcontractors. The superintendent shall be identified at the preconstruction conference, and at a minimum be on-site from notice to proceed date to the substantial completion date. If for any reason the superintendent needs to be replaced by the General Contractor, a written notice must be submitted to the Owner within (5) five working days before the event occurs.

#### 14. PERMITS

The Contractor, at his own expense, shall procure all permits, certificates and licenses required of him by law for execution of the work. He shall comply with all federal, state, or local laws, ordinances or rules and regulations relating to the performance of the work. He shall file such reports of construction as required by law. The cost for this work is considered incidental to the project and no separate payment will be made.

Contractor shall be responsible for obtaining an ACHD right of way permit and providing all required traffic control. A copy of the permit shall be provided to the project owner prior to construction.

## **SPECIAL PROVISIONS**

### **1. 201.4.1.C.1. – REMOVAL OF OBSTRUCTIONS**

ON PAGE 3 OF SECTION 201 OF THE ISPWC, PART 3.1.A.5.f., add the following:

Existing trees and bushes shall be trimmed at the locations shown on the plans to meet current ACHD pruning requirements and as needed to complete the project earthwork. Existing trees shall be trimmed to provide a minimum of 8 feet of vertical clearance over the pathway. Existing shrubs shall be pruned to behind the back of the pathway.

### **2. 202.4.1.A.1. – EXCAVATION (PLAN UNIT QUANTITY)**

ON PAGE 15 OF SECTION 202 OF THE ISPWC, PART 4.1.A., replace the entire section with the following:

This item shall be paid for by the cubic yard on a plan unit quantity basis with no final measurement, for which the price and payment shall constitute full compensation for excavating, loading, hauling and disposing of excess excavated material, and for loading, hauling, spreading, blending, shaping, drying, watering and compacting excavated material that is acceptable for the use as on-site borrow for embankment fill, and for all tools, labor and incidentals necessary to complete the work and all appurtenances not itemized on the Bid Schedule. Placing on-site material for the fill slopes shall be considered incidental to the excavation pay item and no separate payment shall be made.

### **3. 202.4.2.A.1. – ROCK EXCAVATION**

ON PAGE 16 OF SECTION 202 OF THE ISPWC, PART 4.2.A., add the following:

Exploratory excavation or drilling has not been conducted to determine if rock exists within the project site other than what was identified in the geotechnical report for the retaining wall. See the geotechnical report provided in the appendix. If rock is encountered, the Contractor shall notify the Project Owner and the Engineer prior to continuing with construction activity. Contractor shall obtain written approval from the Project Owner prior to performing rock excavation. Contractor shall provide a written estimate of the expected width, depth, and length of required rock excavation. Contractor shall notify the Project Owner and the Engineer if rock excavation requirements significantly change from those pre-approved by the Project Owner and the Engineer.

Contractor shall keep a daily record of rock excavation quantities and a copy of these records shall be provided to the Project Owner. Daily record shall include total quantity, width, depth, and length of rock excavation.

ON PAGE 16 OF SECTION 202 OF THE ISPWC, PART 4.2.A, add the following:

Rock excavation quantities shall only be paid for if pre-approved by the Project Owner and they do not significantly change from those pre-approved by the Project Owner and the Engineer.

4. 706.4.1.A.13. – EXTRUDED CONCRETE CURB

ON PAGE 1 OF SECTION 706 OF THE ISPWC, PART 1.1, add the following:

This section includes all materials, equipment and labor required to install extruded concrete curb at the locations shown on the plans and as detailed on the plans.

ON PAGE 2 OF SECTION 706 OF THE ISPWC, PART 2.4.A., add the following:

Concrete shall be Class 3000 conforming to Section 703 of the ISPWC Specifications. Epoxy shall conform to ASTM C881. Contractor shall submit manufacturer's certification for approval.

ON PAGE 3 OF SECTION 706 OF THE ISPWC, PART 3, add the following:

The extruded concrete curb shall be constructed following placement of the asphalt pavement. The contractor shall mill a 3-inch wide by 1-inch-deep key way into the paved surface as detailed on the plans. The key way and adjoining pavement shall be completely coated with epoxy on the surface to be covered by the extruded curb prior to placing the curb.

ON PAGE 7 OF SECTION 706 OF THE ISPWC, PART 4.1.A.13., add the following:

Payment for Extruded Curb shall be on a linear foot basis.

5. 810.4.1.A.1. – PLANT MIX PAVEMENT

ON PAGE 2 OF SECTION 810 OF THE ISPWC, PART 2.1., add the following:

Plant mix pavement shall be Superpave 1/2" SP-3 HMA

ON PAGE 4 OF SECTION 810 OF THE ISPWC, PART 2.3., add the following:

Asphalt shall be PG 64-28.

ON PAGE 4 OF SECTION 810 OF THE ISPWC, PART 2.4., add the following:

Asphalt shall have 0.50% anti-stripping additive.

ON PAGE 10 OF SECTION 810 OF THE ISPWC, PART 3.7.B., add the following:

Pavement shall be placed in multiple lifts with each lift not to exceed three inches placed and compacted.

ON PAGE 10 OF SECTION 810 OF THE ISPWC, PART 3.7.C., add the following:

Apply SS-1 tack coat to existing asphalt at pavement match points.

6. 1001.4.1.A.1. – SEDIMENT CONTROL

ON PAGE 1 OF SECTION 1001 OF THE ISPWC, PART 1.1., add the following:

This item shall also include furnishing all materials, equipment and labor required to provide storm water management during construction in accordance with all local, state and federal laws. Contractor shall be responsible for preparing and maintaining an erosion and sediment control plan (ESCP).

Contractor shall be responsible for submitting the ESCP to the Ada County Highway District for review and approval. Contractor is responsible for installing, maintaining, removing and disposing of all Best Management Practices (BMPs).

Contractor shall be responsible for providing all storm water management in accordance with all local, state, and federal laws. Contractor shall determine expected area of disturbance and apply for applicable permits. Contractor shall prepare and submit Storm Water Pollution Prevention Plan (SWPPP), Notice of Intent, Notice of Termination and any other required forms.

As of July 1, 2021, the permitting authority of construction stormwater permits has changed from the United States Environmental Protection Agency to the Idaho Department of Environmental Quality. The guidance document was written prior to July 1, 2021; therefore, certain items may be out of date. Contact the Idaho Pollutant Discharge Elimination System Program (IPDES) permitting office at (833) 473-3724 for further information.” The guidance document can be found at <https://www2.deq.idaho.gov/admin/LEIA/api/document/download/4792>.

7. 1104.4.1.C.1. – CHANNELIZER (WHITE)

ON PAGE 1 OF SECTION 1104 OF THE ISPWC, PART 1.1.C., add the following:

This section includes all materials, equipment and labor required to install channelizers at the locations shown on the plans and as detailed on the plans.

ON PAGE 2 OF SECTION 1104 OF THE ISPWC, PART 2.1., add the following:

Channelizers shall be manufactured by Davidson and shall be FG 300 series bases and posts or approved equal by ACHD.

ON PAGE 3 OF SECTION 1104 OF THE ISPWC, PART 3.1., add the following:

All channelizers shall be installed per the manufacturer’s recommendations. All channelizer installations shall comply with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD) and ACHD requirements.

ON PAGE 6 OF SECTION 1104 OF THE ISPWC, PART 4.1.C., add the following:

Payment for Channelizer shall be on a per each basis.



8. 2040.4.1.A.1. – REMOVE AND RESET FENCE

ON PAGE 1 OF SECTION 20401 OF THE ISPWC, PART 1.1., add the following:

This section includes all materials, equipment and labor required to remove and reset the existing fence at the locations shown on the plans. The existing chain link fence with barbed and razor wire shall be removed to allow for site grading and then reset in its original location on top of the new site finish grade. The existing fencing materials may be reused, except new posts shall be provided. Contractor shall provide any additional fencing materials as required to properly reset the fence to its pre-construction condition or better. Any materials damaged prior to starting construction or during construction shall be replaced by the Contractor.

ON PAGE 7 OF SECTION 2040 OF THE ISPWC, PART 3.2.M., add the following:

All fencing shall be installed per manufacturer's recommendations. Posts shall be set in concrete footings having a minimum depth of 36". Concrete footings shall be flush with finished grade and sloped for water runoff away from posts.

9. SP-1 – LAWN SOD RESTORATION

*Description:* This item includes furnishing all materials, equipment, and labor necessary to restore existing sod surfaces or establish new sod surfaces at the locations specifically shown on the plans. All other existing sod areas damaged during construction shall be restored and considered incidental to the project.

*Materials:* Fertilizers shall comply with the following chemical analysis:

15% to 20% Nitrogen (N)  
20% to 25% Phosphorous (P<sub>2</sub>O<sub>5</sub>)  
2% to 10% Potassium (K<sub>2</sub>O)

Sod shall consist of Merrion, Parks, Delta or Windsor Kentucky Bluegrass or combinations of approved fine textured grasses suitable for the area to be sodded and closely matching adjacent grass.

*Workmanship:* The lawn areas shall be tilled to a minimum depth of 6 inches by such means as will loosen the soil and bring it to condition suitable for fine grading. Prior to and during the operation, the surface shall be made free of vegetative growth. All stones, hard clods, roots, sticks, debris and other matter encountered during tilling which are detrimental to the preparation of a good seed bed, or which are toxic to the growth of grass, shall be removed. Four inches of topsoil shall then be placed under the areas to receive sod.

The area shall be floated and rolled to bring it to the finished grade. All irregularities in the surface that form pockets where water will stand shall be smoothed out to provide good drainage. The finished grade of lawn area adjacent to walks, curbs, driveways and pavements shall be approximately 1 inch below adjacent grades.

Fertilizers shall be spread evenly over the cultivated areas at a rate of 4 pounds per 1,000 square feet and shall be uniformly incorporated into the upper 3 inches of the soil, after which the areas

shall be worked as necessary to provide a smooth, firm but friable lawn bed at the established grades.

Sod shall be placed in straight strips. The joints between strips shall be butted together, tight and without gaps. Sod shall be placed in a manner to stagger the end joints of the rolls. The sod shall be rolled with a 100-pound roller after placement. The surface of the finished sod shall be smooth, uniform and mowable.

Contractor shall repair any damaged sprinkler systems and adjust all disturbed sprinkler heads.

*Measurement and Payment:* Lawn Sod Restoration shall be on a square-foot basis and shall include all labor, equipment, and materials necessary for the completion of the bid item. Construction limits for this item shall be as shown on the plans. Any sod restoration required beyond the specified construction limits shall be made by the Contractor at his expense and no separate payment will be made unless preapproved by CCDC.

Payment for this item shall be made under:

SP-1      Lawn Sod Restoration.....Per Square Foot

10.    SP-2 – SPRINKLER SYSTEM REPAIR/ADJUSTMENT

*Description:* This item includes furnishing all materials, equipment, and labor necessary to repair and adjust the existing sprinkler system to fit the new limits of the lawn sod.

*Materials:* All materials shall be the same or better as the existing sprinkler system materials.

*Workmanship:* The existing system shall be modified to provide 100 percent coverage on all lawn sod areas within the project area and to eliminate all sprinkler watering onto pavement or gravel areas within the project area. All valves and valve boxes shall be relocated into the new lawn sod areas if they are located outside of the new limits of the lawn sod. All existing sprinkler pipes located under the new pavement or gravel areas shall be relocated into lawn sod areas.

Additional pipe, valves, valve boxes, sprinklers, fittings, wire and all other necessary items shall be furnished and installed to provide a properly working system.

*Measurement and Payment:* Sprinkler System Repair/Adjustment shall be on a per lump sum basis and shall include all labor, equipment, and materials necessary for the completion of the bid item to provide a complete and workable system.

SP-2      Sprinkler System Repair/Adjustment.....Per Lump Sum

11.    SP-3 – PEDESTRIAN RAILING

*Description:* This item includes furnishing all materials, equipment, and labor necessary to install the pedestrian railing on the new retaining wall and the existing bridge wing wall. The railing shall be in accordance with the details specified in the plans.

*Materials:* All materials supplied shall meet the requirements outlined below as well as the requirements outlined in the plans.

All joints shall be welded unless the Engineer specifically approves other fastening methods. Finish exposed welds flush and smooth. Accurately set and securely attach work plumb and level.

This item shall include furnishing and applying paint in accordance with the manufacturer's recommendations and ITD Standard Specification, Section 627.03, Part C. The railing shall be painted with No. D Paint System, Powder Coating for New Steel Bridge Rails.

Primer – Generic Type, Zinc-rich epoxy powder coating

Topcoat – Generic Type, TGIC – Polyester powder coating. Color – Black

Special Requirements for Paint System D.

Coating shall have the following minimum thicknesses:

<u>Coat</u>	<u>Formula</u>	<u>Minimum Dry Film Thickness</u>
Prime	Zinc-rich epoxy powder coating	3 mils
Topcoat	TGIC-Polyester powder coating	2 mils

Coating shall conform to the following performance criteria:

<b>Property</b>	<b>Reference</b>
Adhesion	ASTM Designation: D 3359B
Pencil hardness	ASTM Designation: D 3363
Flexibility	ASTM Designation: D 522
Impact resistance	ASTM Designation: D 2794, Modified
Abrasion resistance	ASTM Designation: D 4060, Modified
Salt spray resistance	ASTM Designation: B 117
Humidity resistance	ASTM Designation D 2247

*Measurement and Payment:* Pedestrian Railing shall be on a per linear foot basis and shall include all labor, equipment, and materials necessary for the completion of the bid item.

SP-3 Pedestrian Railing.....Per Linear Foot

## 12. SP-4 – TEMPORARY COFFER DAM

*Description:* This item includes furnishing all materials, equipment, and labor necessary to provide a temporary coffer dam in Five Mile Creek for the installation of the retaining wall and

the riprap. The Contractor shall be responsible for designing, installing and maintaining the temporary coffer dam.

All materials and workmanship shall be in accordance with the requirements of the 404-permit issued by the U.S. Army Corps of Engineers and the Idaho Department of Water Resources, the floodplain permit issued by the City of Boise and the construction stormwater permit. The 404 and floodplain permits are available upon request.

*Measurement and Payment:* Temporary Cofferd Dam shall be on a per each basis and shall include all labor, equipment, and materials necessary for the completion of the bid item.

SP-4      Temporary Cofferd Dam.....Per Each

APPENDIX

RETAINING WALL  
GEOTECHNICAL REPORT



# Geotechnical Engineering Report

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**Eisenman Road Retaining Wall  
Boise, Ada County, Idaho**

July 28, 2022

Terracon Project No. 62225030

**Prepared for:**

Civil Survey Consultants, Inc.  
Meridian, Idaho

**Prepared by:**

Terracon Consultants, Inc.  
Boise, Idaho



July 28, 2022

Civil Survey Consultants, Inc.  
2893 South Meridian Road  
Meridian, Idaho 83642



Attn: Mr. Matt Hart, P.E.  
P: (208) 888 4312  
E: mhart@civilsurvey.net

Re: Geotechnical Engineering Report  
Eisenman Road Retaining Wall  
Northwest of the intersection of Eisenman Road and Blue Sage Lane  
Boise, Ada County, Idaho  
Terracon Project No. 62225030

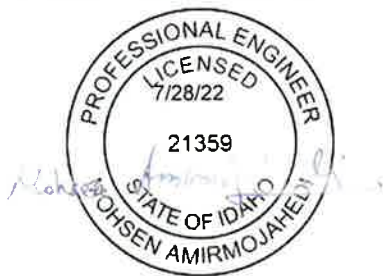
Dear Mr. Hart:

We have completed the Geotechnical Engineering services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. P62225030 dated April 14, 2022. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of the new retaining wall.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,

**Terracon Consultants, Inc.**



Monsen Amirmojanehi, Ph.D., P.E.  
Staff Engineer

*Ryan J. Olsen*

Ryan J. Olsen, P.E.  
Senior Geotechnical Engineer

Terracon Consultants, Inc. 11849 West Executive Drive, Suite G Boise, Idaho 83713  
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**Environmental**



**Facilities**



**Geotechnical**



**Materials**

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**Note:** This report was originally delivered in a web-based format. **Orange Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the **GeoReport** logo will bring you back to this page. For more interactive features, please view your project online at [client.terracon.com](http://client.terracon.com).

## ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES  
SITE LOCATION AND EXPLORATION PLANS  
EXPLORATION RESULTS  
SUPPORTING INFORMATION

**Note:** Refer to each individual Attachment for a listing of contents.



## REPORT SUMMARY

Topic <sup>1</sup>	Overview Statement <sup>2</sup>
<b>Project Description</b>	<p>The project includes the construction of a reinforced-concrete cantilevered retaining wall between a new pathway along the west side of Eisenman Road and east of Five Mile Creek. The proposed concrete wall will be about 80 feet long. Wall heights of up to 10 feet are anticipated.</p> <p>Approximate Latitude/Longitude: 43.5247°, -116.1535°</p>
<b>Geotechnical Characterization</b>	<p>Fill was encountered in borings to a depth of about 2½ feet below the existing ground surface (BGS).</p> <p>Near surface native soils generally consisted of medium stiff to stiff lean clay with varying amounts of sand and cemented particles underlain by medium dense to very dense sand and gravel deposits with varying amounts of clay, silt, basalt fragments, and cemented particles.</p> <p>Basalt rock or basalt boulders were encountered in borings B-2 at approximate depth of 12 feet BGS. Basalt or basalt boulders were encountered in boring B-1 at depths of 8 to 9½ feet below existing surface underlain by silty sand and gravel with silt and sand layers.</p> <p>Groundwater was not encountered within the depth of our borings.</p>
<b>Earthwork</b>	<p>Basalt rock may be encountered in foundation excavations, and rock excavation methods may be required.</p> <p>Existing undocumented fill soils should be completely removed from foundation areas.</p> <p>Existing site soils can be used as Site Grading Materials outside of structure areas.</p>
<b>Shallow Foundations</b>	<p>Shallow foundations are recommended for this project.</p> <p>The proposed foundations should be supported on undisturbed native soils or compacted Structural Fill or Aggregate Base extending to undisturbed native soils.</p> <p>If clay is exposed at the bottom of the foundation excavation, the clay soils should be removed and replaced with compacted Structural Fill or Aggregate Base.</p> <p>Structural Fill and Aggregate Base should meet requirements in <b>Earthwork</b></p>
<b>General Comments</b>	<p>This section contains important information about the limitations of this geotechnical engineering report.</p>
<p>1. If the reader is reviewing this report as a pdf, the topics above can be used to access the appropriate section of the report by simply clicking on the topic itself.</p> <p>2. This summary is for convenience only. It should be used in conjunction with the entire report for design purposes.</p>	

**Geotechnical Engineering Report**  
**Eisenman Road Retaining Wall**  
**Northwest of the intersection of Eisenman Road and Blue Sage Lane**  
**Boise, Ada County, Idaho**  
Terracon Project No. 62225030  
July 28, 2022

## INTRODUCTION

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the construction of a retaining wall located northwest of the intersection of Eisenman Road and Blue Sage Lane in Boise, Ada County, Idaho. The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil and rock conditions
- Groundwater conditions
- Site preparation and earthwork
- Lateral earth pressures
- Foundation design and construction
- Seismic site classification per IBC

The geotechnical engineering Scope of Services for this project included the advancement of two test borings to depths ranging from approximately 12 to 21½ feet below existing site grades.

Maps showing the site and boring locations are shown in the **Site Location and Exploration Plans** sections, respectively. The results of the laboratory testing performed on soil samples obtained from the site during the field exploration are included on the boring logs and as a separate graph in the **Exploration Results** section.

## SITE CONDITIONS

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
<b>Parcel Information</b>	<p>The project is located northwest of the intersection of Eisenman Road and Blue Sage Lane in Boise, Ada County, Idaho.</p> <p>The project is part of a Capital City Development Corporation (CCDC) project on Eisenman Road to construct a retaining wall between a new pathway along the west side of Eisenman Road and east of Five Mile Creek.</p> <p>Approximate Latitude/Longitude: 43.5247°, -116.1535°</p> <p>See <b>Site Location and Exploration Plans</b></p>
<b>Existing Improvements</b>	<p>Currently, the west side of Eisenman Road is sloped toward Five Mile Creek. Riprap is along the bank of the creek.</p>

## Geotechnical Engineering Report

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho

July 28, 2022 ■ Terracon Project No. 62225030



Item	Description
<b>Current Ground Cover</b>	Asphalt paved surface of Eisenman Road and Blue Sage Lane with some gravel shoulders. Riprap is within Five Mile Creek.
<b>Existing Topography</b>	Based on the provided topographic survey, the elevation of the bottom of the creek is about 3023 and the pavement surface elevation of Eisenman Rd is about 3030.5.

## PROJECT DESCRIPTION

Our initial understanding of the project was provided in our proposal and was discussed during project planning. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

Item	Description
<b>Information Provided</b>	Project information is based on the details provided via an email from Matt Hart on April 5, 2022, including the Concept Pathway and Retaining Wall Plan dated March 2021 and a Google Earth view of the site location. A site topographic survey map was provided on July 15, 2022.
<b>Project Description</b>	We understand the proposed concrete wall will be about 80 feet long. Wall heights of up to 10 feet are anticipated. The top edge of the wall will be about 10 feet away from the edge of pavement along Eisenman Road. The wall is expected to be a reinforced-concrete cantilevered retaining wall with standard pedestrian railing.  Wall design recommendations are provided based on LRFD methods. If ASD design methods will be used, we should be notified to modify the provided foundation design parameters.
<b>Pavements</b>	Not included in our Terracon services.
<b>Stormwater disposal</b>	None.

The design team should verify this information. If there are any changes to this information we should be notified so that we might modify our recommendations, as appropriate.

## GEOTECHNICAL CHARACTERIZATION

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical calculations and evaluation of site preparation and foundation options. Conditions encountered at

each exploration point are indicated on the individual logs. The individual logs can be found in the **Exploration Results** section and the GeoModel can be found in the **Figures** section of this report.

As part of our analyses, we identified the following model layers within the subsurface profile. For a more detailed view of the model layer depths at each boring location, refer to the GeoModel.

Model Layer	Layer Name	General Description
1	Asphalt	Asphalt pavement, about 6 inches thick.
2	Fill	Fill consisted of poorly graded gravel with sand and varying amounts of silt and clay. This was encountered to an approximate depth of 2½ feet below existing surface.
3	Lean Clay	Medium stiff to stiff lean clay with varying amounts of sand and cemented particles, encountered to approximate depths of about 4½ to 8 feet below existing surface.
4	Gravel and Sand	Medium dense to very dense sand and gravel with varying amounts of silt, clay, basalt fragments, and cemented particles.
5	Basalt	Basalt or basalt boulders were encountered in boring B-2 at approximate depth of about 12 feet below existing surface. Basalt or basalt boulders were encountered in boring B-1 at depths of about 8 to 9½ feet below existing surface.

Groundwater was not encountered at the time of drilling in the two borings. Five Mile Creek was not carrying water at the time of exploration. Groundwater level fluctuations occur due to the water level in the nearby creek, and seasonal variations in the amount of rainfall, runoff, irrigation, and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

## GEOTECHNICAL OVERVIEW

Primary geotechnical considerations identified are discussed below.

- Undocumented fill soils were encountered in two borings drilled at the site to depths of about 2½ feet below the existing ground surface. Additional fill that was not encountered as part of this geotechnical exploration may exist at the site, including fill to greater depths. Any fill and other deleterious materials should be removed from the foundation areas prior to construction as required in the **Site Preparation** subsection.
- Basalt rock or basalt boulders were encountered in boring B-2 at approximate depth of about 12 feet below ground surface. Basalt or basalt boulders were encountered in boring

B-1 at depths of about 8 to 9½ feet below ground surface. The depth to basalt can vary significantly over relatively short distances and variations in the depth to rock should be expected. Rock may be encountered in foundation excavations.

Specific conclusions and recommendations regarding these geotechnical considerations, as well as other geotechnical aspects of design and construction are presented in the following sections. The recommendations contained in this report are based upon the results of field and laboratory testing, engineering analyses, and our current understanding of the proposed project.

The **General Comments** section provides an understanding of the report limitations.

## **EARTHWORK**

Earthwork is anticipated to include clearing and grubbing, excavations, and fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria, as necessary, to render the site in the state considered in our geotechnical engineering evaluation for retaining wall and foundations.

### **Site Preparation**

Prior to construction, the subgrade should be prepared as described in Sections 201 and 202 of the ISPWC and ACHD Supplemental Specifications to ISPWC. In general, the existing pavement section, undocumented fills, deleterious materials such as vegetation, root systems, topsoil, and soft, frozen, disturbed, or otherwise unsuitable materials should be completely removed from the proposed construction areas. Surfaces exposed after excavation should be free of mounds and depressions that could prevent uniform compaction. Subgrade soils exposed during construction will be susceptible to rutting or pumping under construction traffic when wet. See **Earthwork Construction Considerations**.

### **Excavation Considerations**

As previously discussed, basalt rock or boulders were encountered within the explorations at the site. Based on the explorations at this site and on other experience with basalt in the area, variation in the top of rock elevation can occur abruptly in short horizontal distances. We anticipate that basalt rock and cemented soils may impact excavations during construction.

Local experience indicates that blasting, use of hydraulic or pneumatic breakers, or other specialize hard rock excavation equipment will likely be required for rock excavation. The Contractor should be prepared for blasting and/or to utilize hydraulic or pneumatic breakers or other hard rock excavation equipment to assist in rock removal. Blasting to remove relatively small thicknesses of rock can be difficult and inefficient. Care should be taken to avoid overblasting and disturbing rock that is to be left in place.



## Fill Material Types

Fill material requirements vary depending on the intended use of the material. The following table summarizes the fill material designations and the zones where they may be placed.

Fill Designation <sup>1</sup>	Materials	Acceptable Location for Placement
<b>Structural Fill</b>	Structural Fill should consist of 3-inch or 6-inch minus uncrushed aggregates meeting the requirements of Idaho Standards for Public Works Construction (ISPWC) Section 801.	Beneath or behind the proposed wall and other areas of site grading.
<b>Aggregate Base</b>	Aggregate base should meet the requirements for ¾-inch (Type I) crushed aggregates in accordance with ISPWC Section 802.	Beneath or behind the proposed wall and other areas of site grading.

<sup>1</sup> Frozen material should not be used, and fill should not be placed on a frozen subgrade.

## Fill Compaction Requirements

All fill soil should be free of deleterious, organic, or frozen matter. Structural Fill and Aggregate Base should be compacted in accordance with ISPWC Sections 801 and 802, and ACHD Supplemental Specifications, as appropriate. Embankments should be constructed in accordance with Section 202 Part 3.8 of the ISPWC. If placed under wall footings, Structural Fill and Aggregate Base should be compacted to at least 98 percent of the maximum dry density, as determined by AASHTO T 99. Each lift of fill should be tested at various locations within the roadway alignment to verify that it meets the density requirements. Where fill is placed against a slope, the slope should be benched to key the new fill into the slope. This should be done in accordance with Section 202, Part 3.8, Item A.3 of the ISPWC.

## Grading and Drainage

All grades should provide effective drainage away from the wall during and after construction. Roadway runoff should be collected and discharged away from the wall and embankment slopes. Effective drainage should be maintained for the life of the structure.

Runoff of surface water should be prevented from discharging over or infiltrating behind the face of proposed wall or slopes. Surface water from the roadway and adjacent areas should be collected and discharged to safe locations away from the wall. The ground surface in front of the wall should be graded to prevent ponding and to provide positive drainage away from the wall.

Best management practices and erosion control measures should be taken to protect slopes and exposed soils from storm water runoff. Project design should provide for drainage of the improvements and maintenance of the existing drainage patterns.

## **Earthwork Construction Considerations**

We recommend that construction of the proposed wall occur when the Five Mile Creek is not carrying water. If construction occurs when water is in the Creek, or soon after, groundwater will likely be encountered during construction. If groundwater is encountered during construction, a positive means of construction dewatering will be required to complete the excavations and placement of the foundations and backfill. The dewatering system should be sized and located such that the groundwater level is maintained below the bottom of the foundation excavations. Failure to adequately dewater the excavations may lead to failure of temporary slopes, difficulties properly constructing the foundation, and/or difficulties placing and compacting backfill material. If construction occurs soon after water is drained from the creek, dewatering may still be required due to bank storage and a seasonally elevated perched groundwater level.

Grading operations should be controlled to prevent water from flowing into construction areas. Excessive wetting or drying of the subgrade soils should be avoided during construction. Excess water should be promptly removed.

Soils exposed during construction will be susceptible to rutting or pumping under construction traffic when wet and wet soils should be expected due to the proximity of the wall to the Five Mile Creek. Measures that may help reduce disturbance of exposed soils include performing earthwork during warm, dry weather, the use of light track-mounted equipment, and avoidance of heavy repeated traffic over a given area. Soils that rut, pump, or are otherwise disturbed are not suitable for support of foundations or embankments. If unstable subgrade conditions develop during construction, suitable methods of stabilization, if required, will depend on factors such as schedule, weather, size of area to be stabilized, and the nature of the instability. Possible stabilization methods could include the following:

- Scarification and Recompaction: During dry weather it may be feasible to scarify, dry, and recompact the exposed soils. The success of this procedure would depend primarily upon favorable weather and sufficient time to dry the soils. Limited use of this stabilization method should be expected if construction is planned during winter months or periods of rain.
- Removal and Replacement: Removing unstable soils and replacing them with Aggregate Base or Structural Fill. The use of geotextiles meeting the ISPWC requirements for a Type III Subgrade Separation Geotextile could be considered, depending on the soil conditions and possible work planned. Equipment should not be operated above the geotextile until one full lift (12 inches loose) of fill is placed above it.

As a minimum, excavations should be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P, "Excavations" and its appendices, and in accordance with any applicable local, and/or state regulations. The Contractor is responsible for designing and constructing stable, temporary excavations as required to maintain stability of the excavation sides and bottom, and for protecting existing facilities/utilities.

## Geotechnical Engineering Report

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho

July 28, 2022 ■ Terracon Project No. 62225030



Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety, or the contractor's activities; such responsibility shall neither be implied nor inferred.

### Construction Observation and Testing

Earthwork on the project should be observed and evaluated by the Geotechnical Engineer. Monitoring of earthwork should include observation and testing of site clearing and subgrade preparation, placement of Structural Fill, foundation construction, and other geotechnical conditions exposed during the construction of the project.

Each lift of compacted fill should be tested, evaluated, and reworked, as necessary, until approved by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content.

In areas of foundation excavations, the bearing subgrade should be evaluated under the direction of the Geotechnical Engineer. If unanticipated conditions are encountered, the Geotechnical Engineer should prescribe mitigation options.

## SHALLOW FOUNDATIONS

If the site has been prepared in accordance with the requirements noted in **Earthwork**, the following design parameters are applicable for shallow foundations.

### Design Parameters – Compressive Loads

Description	Criteria
Foundation Type	Conventional shallow spread footings.
Required Bearing Stratum <sup>1</sup>	Undisturbed native soils or compacted Structural Fill or Aggregate Base extending to undisturbed native soils. If used, Structural Fill or Aggregate Base should be compacted to meet the requirements of <b>Earthwork</b> .
Minimum Embedment Below Finished Grade <sup>2</sup>	24 inches for frost protection. Spread foundations should also be set below the elevation of the creek bottom. Footings should be embedded below the potential depth of scour, or footings should be adequately protected against scour.
Nominal (Ultimate) Net Bearing Capacity	See chart below



## Geotechnical Engineering Report

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho

July 28, 2022 ■ Terracon Project No. 62225030

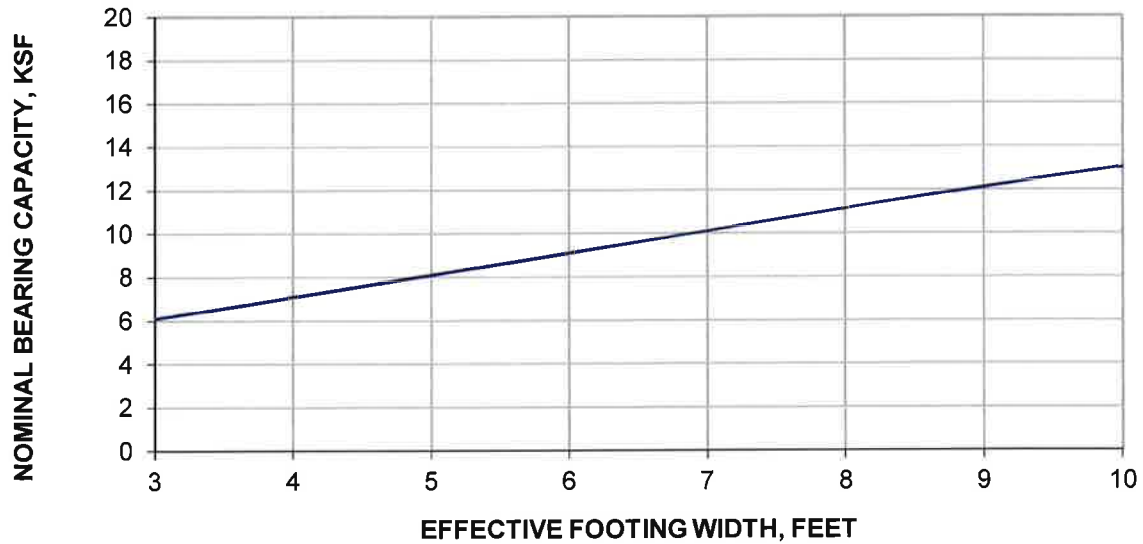


Description	Criteria
Recommended resistance factor to be used with the nominal bearing capacity for strength limit state design <sup>3</sup>	0.45
Presumptive bearing pressure for settlement less than 1 inch	See chart below
Recommended resistance factor to be used with the bearing pressure for service limit state design <sup>3</sup>	1.0
Ultimate coefficient of friction to resist sliding	<u>Precast footings:</u> 0.53 <u>Cast-in-place footings:</u> 0.67
Recommended resistance factors when designing resistance to sliding <sup>3</sup>	<u>Precast footings:</u> 0.90 <u>Cast-in-place footings:</u> 0.80

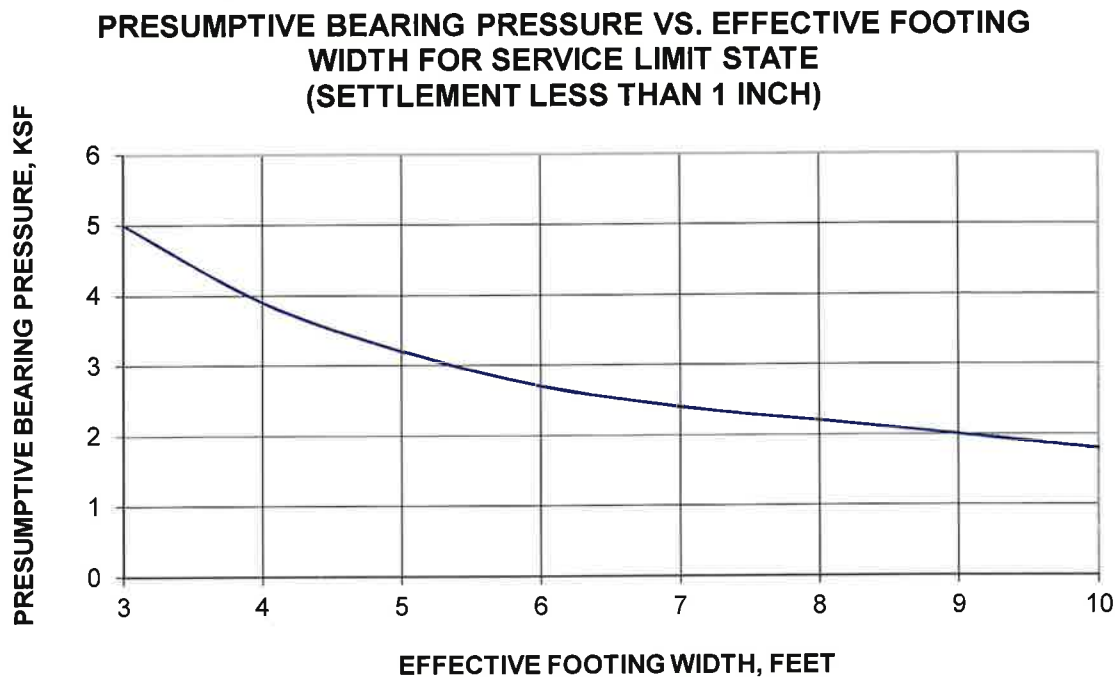
1. Unsuitable or soft soils should be over-excavated and replaced.  
2. Embedment accounts for frost depth. For sloping ground, maintain depth below the lowest adjacent exterior grade within 5 horizontal feet of the structure.  
3. Recommended resistance factors are based on AASHTO LRFD Bridge Design Specifications, 9th Edition.

Standard penetration test (SPT) results from our borings were used to evaluate the strength of the foundation soil for bearing capacity. The ultimate bearing capacity is shown as a function of effective footing width in the chart below. The resistance factor shown above should be applied to the bearing values presented. The bearing capacity shown in the table below is based on the foundation extending at least 24 inches below adjacent grade and below the elevation of Five Mile Creek bottom. If foundations will be supported above the bottom of the ditches, we should be notified to modify the estimated bearing capacity and foundation settlement.

**NOMINAL (ULTIMATE) BEARING CAPACITY VS. EFFECTIVE  
FOOTING WIDTH FOR STRENGTH AND EXTREME LIMIT STATE**



The presumptive bearing pressure versus footing width at the service limit state for a total estimated settlement of approximately 1-inch is presented on the graph below. Settlement estimates were calculated based on the empirical Hough method and the native granular soils encountered in our borings.



### Foundation Construction Considerations

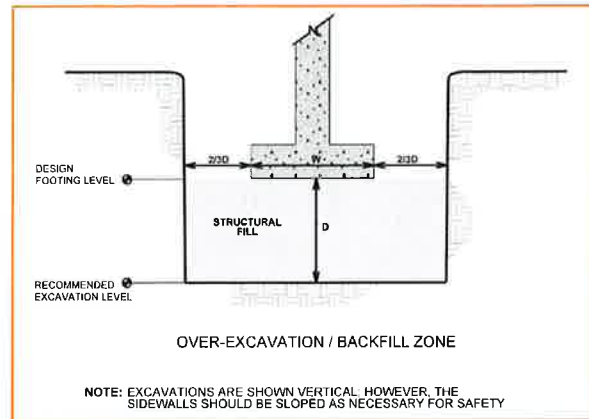
As noted in **Earthwork**, the footing excavations should be evaluated under the direction of the Geotechnical Engineer. The base of all foundation excavations should be free of water and loose soil, prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Care should be taken to prevent wetting or drying of the bearing materials during construction. Excessively wet or dry material or any loose/disturbed material in the bottom of the footing excavations should be removed/reconditioned before foundation concrete is placed.

If clay is exposed at the bottom of the foundation excavation, the clay soils should be removed and replaced with compacted Structural Fill or Aggregate Base. If foundations are supported by Structural Fill or Aggregate Base, the fill should extend laterally at least a distance equal to 2/3 the depth of the Structural Fill below the footing as shown in the following figure.

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## SCOUR AND EROSION PROTECTION

The proposed structure, creek banks and embankments should be protected from scour and erosion. The bearing capacity and settlement estimates provided in this report are based on the assumption that scour will be prevented. If scour does occur, bearing capacity could be reduced and settlement could increase.

## SEISMIC CONSIDERATIONS

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC). Based on the soil/bedrock properties encountered at the site and as described on the exploration logs and results, it is our professional opinion that the **Seismic Site Classification is D**. Subsurface explorations at this site were extended to a maximum depth of about 21½ feet. The site properties below the boring depth to 100 feet were estimated based on our experience and knowledge of geologic conditions of the general area. If desired, a geophysical exploration could be performed to confirm the site classification, or possibly justify a more favorable site classification.

## LATERAL EARTH PRESSURES

### Design Parameters

Backfill placed against structures should consist of imported Structural Fill or Aggregate Base. For these values to be valid, the wall backfill should extend out and up from the base of the wall

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at an angle of at least 30, 45, and 60 degrees from vertical for the active, at-rest, and passive cases, respectively.

Earth Pressure Condition	Slope Above Wall	Pressure Coefficient	Equivalent Fluid Density (pcf)	
			Fully Drained Condition Above Groundwater	Soil Below Groundwater Condition <sup>1</sup>
Structural Fill or Aggregate Base				
(Based on moist and saturated unit weights of 125 pcf and 130 pcf, respectively, and an angle of internal friction of 34 degrees)				
Active	Horizontal	0.28	35	81
	2(H):1(V)	0.41	51	90
At-rest	Horizontal	0.44	55	92
	2(H):1(V)	0.64	80	106
Passive	Horizontal	3.54	442	239

1. For the active and at-rest earth pressures, the values presented for the soil-below-groundwater condition include water pressure. The passive earth pressure for the soil-below-groundwater condition does not include water pressure.

Active earth pressures are applicable for a wall that is free to rotate. At-rest earth pressures are appropriate for a wall that is restrained at the top. Some movement of the structure would be required to mobilize the full passive pressure. Because of this, passive pressures are often neglected when resisting sliding. If passive pressures are needed to resist sliding, appropriate reductions should be applied.

The recommended design lateral earth pressures do not include load factors or a factor of safety. Appropriate load and resistance factors should be determined in accordance with AASHTO. These values presented above are for horizontal backfill only. The walls should be designed to support hydrostatic pressures or be designed with sufficient drainage so that hydrostatic pressures do not develop. Lateral earth pressures should be adjusted as necessary for surcharge loads, sloping backfill, live loads near the wall (including traffic and compaction equipment), and/or seismic loads as appropriate.

Debris, and loose soil should be removed before placing backfill behind walls. Compaction should be in accordance with Section 202 Part 3.8 of the ISPWC. Adequate compaction of backfill soils is critical to performance of overlying pavements. Care should be taken to avoid over-compacting the backfill adjacent to the walls to reduce the potential for damaging or displacing the structure. Lightweight, hand-operated compaction equipment should be used within 3 feet of any concrete structure or retaining wall. Thinner lifts of the backfill may be needed to achieve the required compaction where lightweight, hand-operated compaction equipment is used.

## Geotechnical Engineering Report

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho  
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## GENERAL COMMENTS

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Natural variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence or collaboration through this system are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client, and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety, and cost estimating including, excavation support, and dewatering requirements/design are the responsibility of others. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

## FIGURES

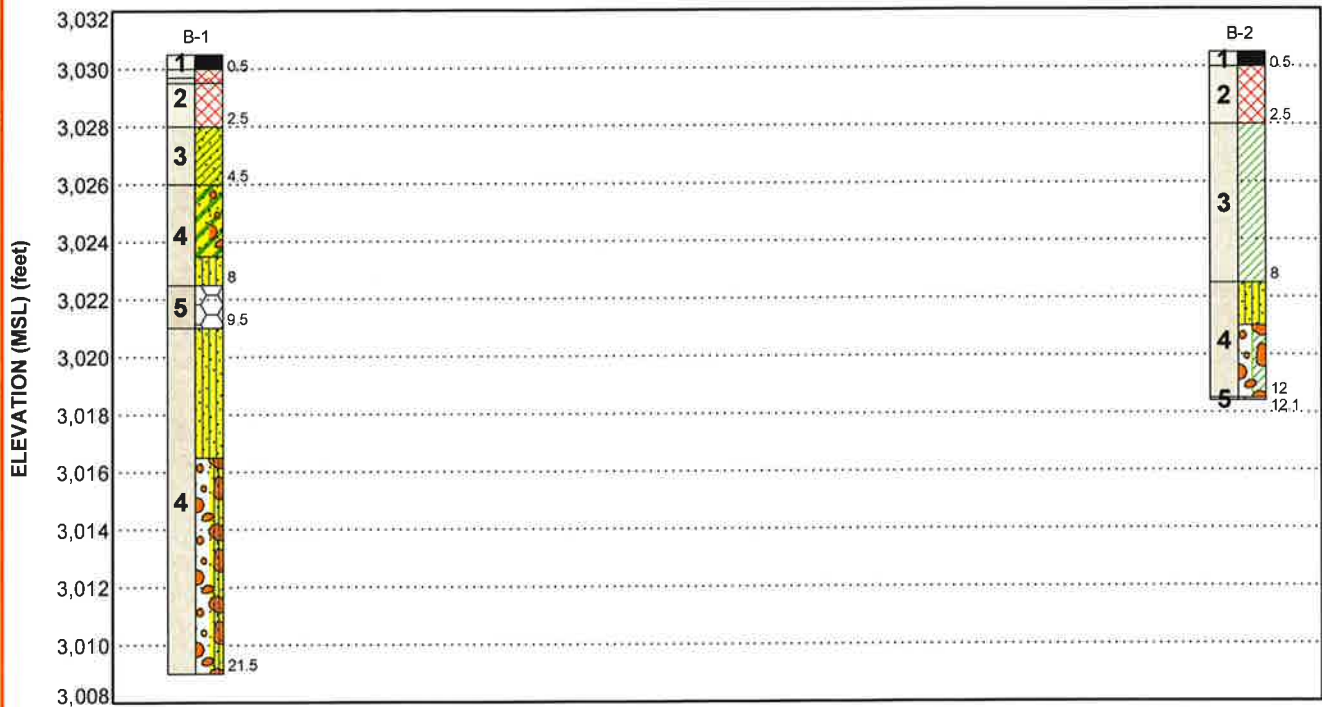
### Contents:

GeoModel



## GEOMODEL

Eisenman Rd Retaining Wall ■ Boise, ID  
Terracon Project No. 62225030



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description
1	Asphalt	asphalt pavement.
2	Fill	Fill consisted of poorly graded gravel with sand and varying amounts of silt and clay.
3	Lean Clay	Lean clay with varying amounts of sand and cemented particles.
4	Gravel and Sand	Sand and gravel with varying amounts of silt, clay, and cemented particles.
5	Basalt	Basalt or basalt boulders.

### LEGEND

Asphalt	Clayey Sand with Gravel	Poorly-graded Gravel with Silt and Sand
Fill	Silty Sand	Lean Clay
Sandy Lean Clay	Basalt	Poorly-graded Gravel with Clay

### NOTES:

Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project. Numbers adjacent to soil column indicate depth below ground surface.



## ATTACHMENTS

## EXPLORATION AND TESTING PROCEDURES

### Field Exploration

Number of Borings	Approximate Boring Depth (feet)	Planned Location
2	12 <sup>1</sup> to 21½	Southeast bound lane of Eisenman Road, near the proposed retaining wall

<sup>1</sup> The boring was terminated due to auger refusal on basalt rock or basalt boulders.

**Boring Layout and Elevations:** Terracon personnel selected the boring locations. Coordinates of the borings were obtained with a handheld GPS unit (estimated horizontal accuracy of about ±10 feet) and approximate elevations were obtained by interpolation from the provided site topographic survey. Approximate elevations reported on the boring logs are rounded to the nearest ½ foot. If more precise elevations and boring locations are desired, we recommend borings be surveyed.

**Subsurface Exploration Procedures:** We advanced the borings with a truck-mounted rotary drill rig using continuous-flight hollow-stem augers. Four samples were obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon was driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. At the time of exploration, groundwater was not encountered. Borings were backfilled in accordance with Idaho Department of Water Resources requirements upon completion. Pavements were patched with cold-mix asphalt.

The N-value provides a reasonable estimate of the relative in-place density of non-cemented sandy type materials. However, the N-value only provides an indication of the relative stiffness of cohesive materials, since the penetration resistance of these soils may be affected by the moisture content. Considerable care should be exercised in interpreting the N-value in gravelly soils, particularly where the size of the gravel particles exceeds the inside diameter of the sampling spoon.

An automatic SPT hammer was used to advance the split-spoon sampler in the borings performed on this site. A greater efficiency is typically achieved with the automatic hammer compared to the conventional safety hammer operated with a cathead and rope. Published correlations between the SPT values and soil properties are based on the cathead and rope method. The higher efficiency of the automatic hammer affects the standard penetration resistance blow count (N-

## Geotechnical Engineering Report

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho  
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value) by increasing the penetration per hammer blow over what would be obtained using the cathead and rope method. The effect of the automatic hammer's efficiency has been considered in the interpretation and analysis of the subsurface information for this report.

### Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests to evaluate the engineering properties of the various soil strata. The tests were performed in general accordance with the respective ASTM standards. The standards are references to general methodology. In some cases, variations to methods were applied because of local practice or professional judgment.

- Water content
- Atterberg limits
- Grain size analysis
- Percent passing No. 200 sieve

Based on laboratory test results and visual observation, we described and classified the soil samples in accordance with the Unified Soil Classification System, see **Supporting Information**. Results of laboratory testing are generally summarized on the boring logs. The graphical result of the gradation test is included in **Exploration Results**.

## **SITE LOCATION AND EXPLORATION PLANS**

### **Contents:**

Site Location Plan

Exploration Plan

Note: All attachments are one page unless noted above.



## SITE LOCATION

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho  
July 28, 2022 ■ Terracon Project No. 62225030



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS



## EXPLORATION PLAN

Eisenman Road Retaining Wall ■ Boise, Ada County, Idaho  
July 28, 2022 ■ Terracon Project No. 62225030

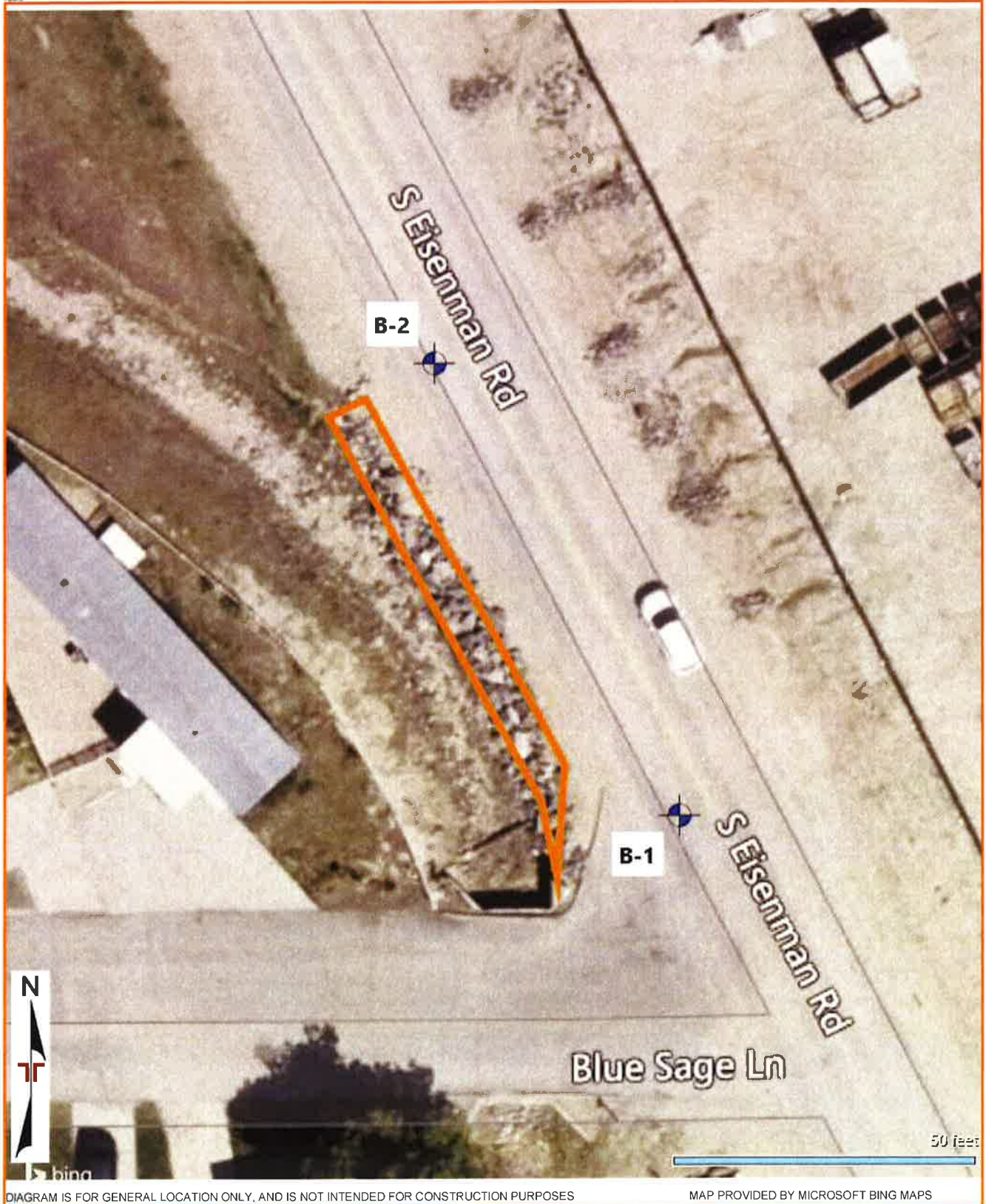


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

## **EXPLORATION RESULTS**

### **Contents:**

Boring Logs (B-1 and B-2)

Grain Size Distribution

Note: All attachments are one page unless noted above.

# BORING LOG NO. B-1












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PROJECT: Eisenman Rd Retaining Wall

CLIENT: Civil Survey Consultants Inc  
Meridian, ID

SITE: Between Eisenman Road and Five Mile Creek  
Boise, ID

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 62225030 EISENMAN RD RETAI GPJ TERRACON DATA TEMPLATE GDT 7/28/22

MODEL LAYER	GRAPHIC LOG	LOCATION See <a href="#">Exploration Plan</a> Latitude: 43.5246° Longitude: -116.1534° Approximate Surface Elev.: 3030.5 (Ft.) +/-	DEPTH (Ft.)	ELEVATION (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
1		0.5 <b>ASPHALT</b> , black, 6" thick		3030+/-							
2		1.0 <b>FILL - POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM)</b> , brown		3029.5+/-			1.2	7-12-10 N=22			
2		2.5 <b>FILL - POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC)</b> , brown		3028+/-							
3		<b>SANDY LEAN CLAY (CL)</b> , trace gravel, dark brown, stiff, trace cemented particles					1.2	4-8-5 N=13	25.3	43-26-17	62
4		4.5 <b>CLAYEY SAND WITH GRAVEL (SC)</b> , brown, dense, trace cemented particles	5	3026+/-							
4		7.0 <b>SILTY SAND (SM)</b> , brown, very dense, cemented particles		3023.5+/-			1.3	5-12-26 N=38	21.8		28
5		8.0 <b>BASALT OR BASALT BOULDERS</b> , black and brown, very dense		3022.5+/-			0.7	28-50/3"	25.9		
5		9.5 <b>SILTY SAND (SM)</b> , dark brown, very dense	10	3021+/-							
4		14.0 <b>POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM)</b> , brown and black, dense, with basalt fragments	15	3016.5+/-			1.5	13-20-26 N=46			
		medium dense	20								
		21.5 <b>Boring Terminated at 21.5 Feet</b>		3009+/-			1	10-12-17 N=29			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:  
Hollow Stem Auger

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Abandonment Method:  
Boring backfilled with bentonite chips upon completion.  
Surface capped w/ asphalt.

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were interpolated from provided topographic survey info.

## WATER LEVEL OBSERVATIONS

Groundwater not encountered

**Terracon**

11849 W Executive Dr Ste G  
Boise, ID

Boring Started: 06-24-2022

Boring Completed: 06-24-2022

Drill Rig: BK-81

Driller: HazTech Drilling

Project No.: 62225030



# BORING LOG NO. B-2

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**PROJECT:** Eisenman Rd Retaining Wall

**CLIENT:** Civil Survey Consultants Inc  
Meridian, ID

**SITE:** Between Eisenman Road and Five Mile Creek  
Boise, ID

MODEL LAYER	GRAPHIC LOG	LOCATION See <a href="#">Exploration Plan</a> Latitude: 43.5248° Longitude: -116.1536°  Approximate Surface Elev.: 3030.5 (Ft.) +/-	DEPTH (Ft.)	ELEVATION (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
1		0.5 <b>ASPHALT</b> , black, 6" thick		3030+/-							
2		<b>FILL - POORLY GRADED GRAVEL WITH SAND (GP)</b> , brown					1.2	12-13-12 N=25			
		2.5		3028+/-							
3		<b>LEAN CLAY (CL)</b> , brown, stiff, trace cemented particles  dark brown, medium stiff	5				1.1	4-5-6 N=11	24.0	41-24-17	89
		8.0		3022.5+/-							
		<b>SILTY SAND (SM)</b> , brown, dense, trace cemented particles					1.5	1-15-30 N=45	23.2		
		9.5		3021+/-							
4		<b>POORLY GRADED GRAVEL WITH CLAY (GP-GC)</b> , black, very dense, with basalt fragments	10				0.2	50/3"			
		12.0		3018.5+/-							
		12.1 <b>BASALT</b> , black <b>Auger Refusal at 12.1 Feet</b>		3018.4+/-			1	50/1"			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:  
Hollow Stem Auger

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Abandonment Method:  
Boring backfilled with bentonite chips upon completion.  
Surface capped w/ asphalt.

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were interpolated from provided topographic survey info.

**WATER LEVEL OBSERVATIONS**  
Groundwater not encountered

**Terracon**  
11849 W Executive Dr Ste G  
Boise, ID

Boring Started: 06-24-2022

Boring Completed: 06-24-2022

Drill Rig: BK-81

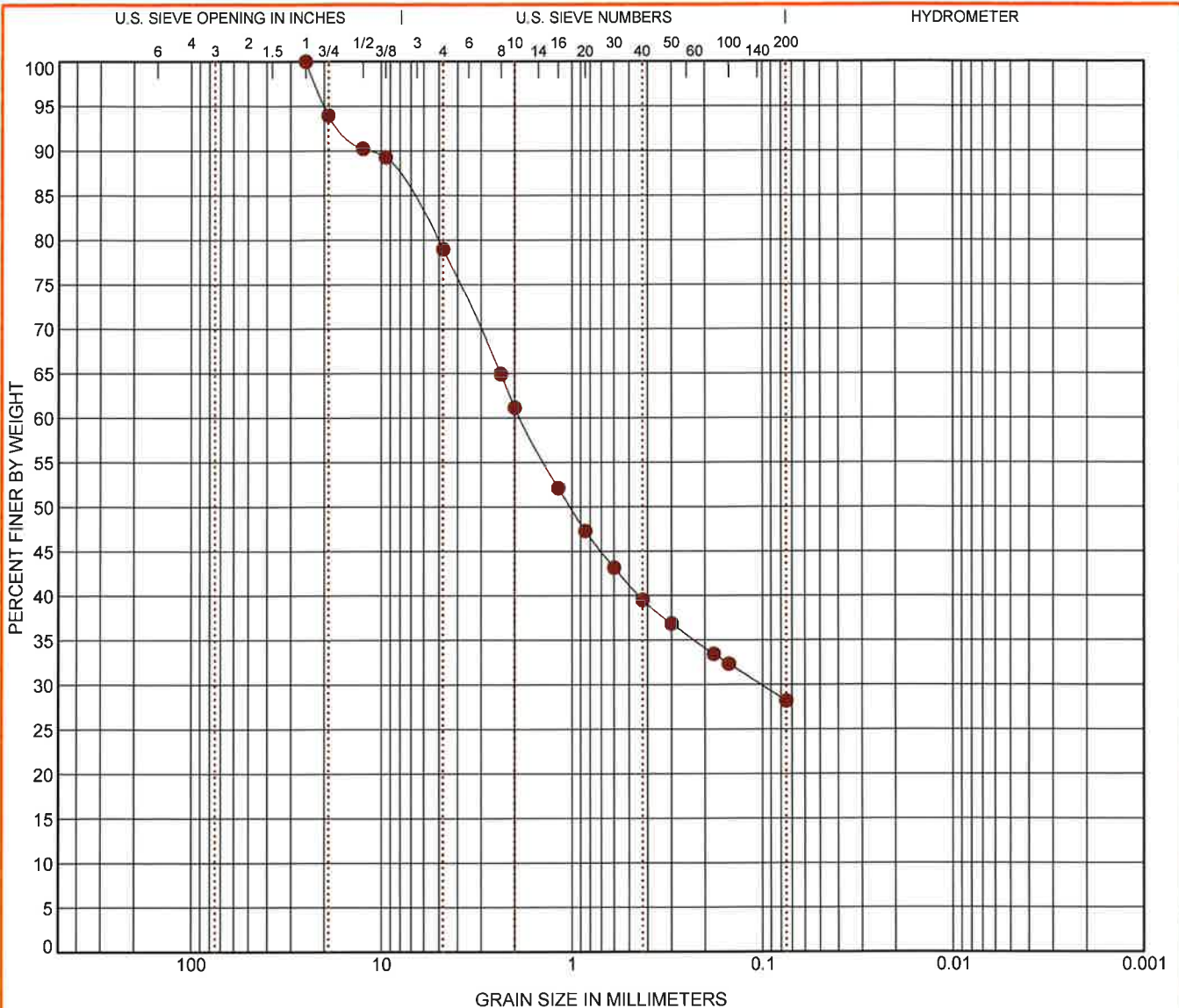
Driller: HazTech Drilling

Project No.: 62225030

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 62225030 EISENMAN RD RETAIL GP TERRACON DATATEMPLATE GDT 7/28/22

# GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth (Ft)	USCS Classification				WC (%)	LL	PL	PI	Cc	Cu
B-1	5 - 6.5	CLAYEY SAND with GRAVEL (SC)				21.8					
Boring ID	Depth (Ft)	D <sub>100</sub>	D <sub>60</sub>	D <sub>30</sub>	D <sub>10</sub>	%Cobbles	%Gravel	%Sand	%Silt	%Fines	%Clay
B-1	5 - 6.5	25	1.869	0.102		0.0	21.0	50.8		28.2	

PROJECT: Eisenman Rd Retaining Wall

SITE: Between Eisenman Road and Five Mile Creek  
Boise, ID

**Terracon**  
11849 W Executive Dr Ste G  
Boise, ID

PROJECT NUMBER: 62225030

CLIENT: Civil Survey Consultants Inc  
Meridian, ID

## **SUPPORTING INFORMATION**

### **Contents:**

General Notes

Unified Soil Classification System







Note: All attachments are one page unless noted above.

# GENERAL NOTES

## DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

Eisenman Rd Retaining Wall ■ Boise, ID

Terracon Project No. 62225030

SAMPLING	WATER LEVEL	FIELD TESTS
 Auger Cuttings  Standard Penetration Test	 Water Initially Encountered  Water Level After a Specified Period of Time  Water Level After a Specified Period of Time  Cave In Encountered <p>Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.</p>	(N) Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer (UC) Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

## DESCRIPTIVE SOIL CLASSIFICATION

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

## LOCATION AND ELEVATION NOTES

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See [Exploration and Testing Procedures](#) in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

## STRENGTH TERMS

RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance		CONSISTENCY OF FINE-GRAINED SOILS (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
Descriptive Term (Density)	Standard Penetration or N-Value Blows/Ft.	Descriptive Term (Consistency)	Unconfined Compressive Strength Qu, (psf)	Standard Penetration or N-Value Blows/Ft.
Very Loose	0 - 3	Very Soft	less than 500	0 - 1
Loose	4 - 9	Soft	500 to 1,000	2 - 4
Medium Dense	10 - 29	Medium Stiff	1,000 to 2,000	4 - 8
Dense	30 - 50	Stiff	2,000 to 4,000	8 - 15
Very Dense	> 50	Very Stiff	4,000 to 8,000	15 - 30
		Hard	> 8,000	> 30

## RELEVANCE OF SOIL BORING LOG

The soil boring logs contained within this document are intended for application to the project as described in this document. Use of these soil boring logs for any other purpose may not be appropriate.



Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests <sup>A</sup>					Soil Classification	
					Group Symbol	Group Name <sup>B</sup>
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines <sup>C</sup>	Cu ≥ 4 and 1 ≤ Cc ≤ 3 <sup>E</sup>		GW	Well-graded gravel <sup>F</sup>
			Cu < 4 and/or [Cc<1 or Cc>3.0] <sup>E</sup>		GP	Poorly graded gravel <sup>F</sup>
		Gravels with Fines: More than 12% fines <sup>C</sup>	Fines classify as ML or MH		GM	Silty gravel <sup>F, G, H</sup>
			Fines classify as CL or CH		GC	Clayey gravel <sup>F, G, H</sup>
	Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands: Less than 5% fines <sup>D</sup>	Cu ≥ 6 and 1 ≤ Cc ≤ 3 <sup>E</sup>		SW	Well-graded sand <sup>I</sup>
			Cu < 6 and/or [Cc<1 or Cc>3.0] <sup>E</sup>		SP	Poorly graded sand <sup>I</sup>
		Sands with Fines: More than 12% fines <sup>D</sup>	Fines classify as ML or MH		SM	Silty sand <sup>G, H, I</sup>
			Fines classify as CL or CH		SC	Clayey sand <sup>G, H, I</sup>
Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic:	PI > 7 and plots on or above "A"		CL	Lean clay <sup>K, L, M</sup>
			PI < 4 or plots below "A" line <sup>J</sup>		ML	Silt <sup>K, L, M</sup>
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay <sup>K, L, M, N</sup>
			Liquid limit - not dried			Organic silt <sup>K, L, M, O</sup>
	Silts and Clays: Liquid limit 50 or more	Inorganic:	PI plots on or above "A" line		CH	Fat clay <sup>K, L, M</sup>
			PI plots below "A" line		MH	Elastic Silt <sup>K, L, M</sup>
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic clay <sup>K, L, M, P</sup>
			Liquid limit - not dried			Organic silt <sup>K, L, M, Q</sup>
Highly organic soils:	Primarily organic matter, dark in color, and organic odor				PT	Peat

<sup>A</sup> Based on the material passing the 3-inch (75-mm) sieve.

<sup>B</sup> If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

<sup>C</sup> Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

<sup>D</sup> Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

<sup>F</sup> If soil contains  $\geq 15\%$  sand, add "with sand" to group name.

<sup>G</sup> If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

<sup>H</sup> If fines are organic, add "with organic fines" to group name.

<sup>I</sup> If soil contains  $\geq 15\%$  gravel, add "with gravel" to group name.

<sup>J</sup> If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

<sup>K</sup> If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

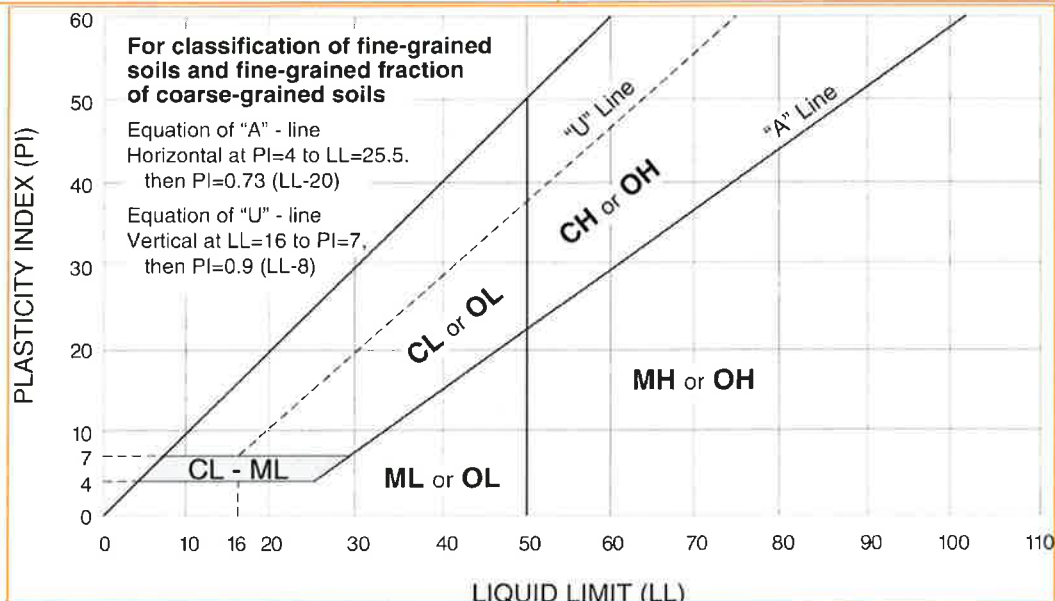
<sup>L</sup> If soil contains  $\geq 30\%$  plus No. 200 predominantly sand, add "sandy" to group name.

<sup>M</sup> If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

<sup>N</sup>  $PI \geq 4$  and plots on or above "A" line.

<sup>O</sup>  $PI < 4$  or plots below "A" line.

<sup>P</sup>  $PI$  plots on or above "A" line.

<sup>Q</sup>  $PI$  plots below "A" line.


**Signature:**



**Email:** [Mohsen.Amirmojahedi@terracon.com](mailto:Mohsen.Amirmojahedi@terracon.com)

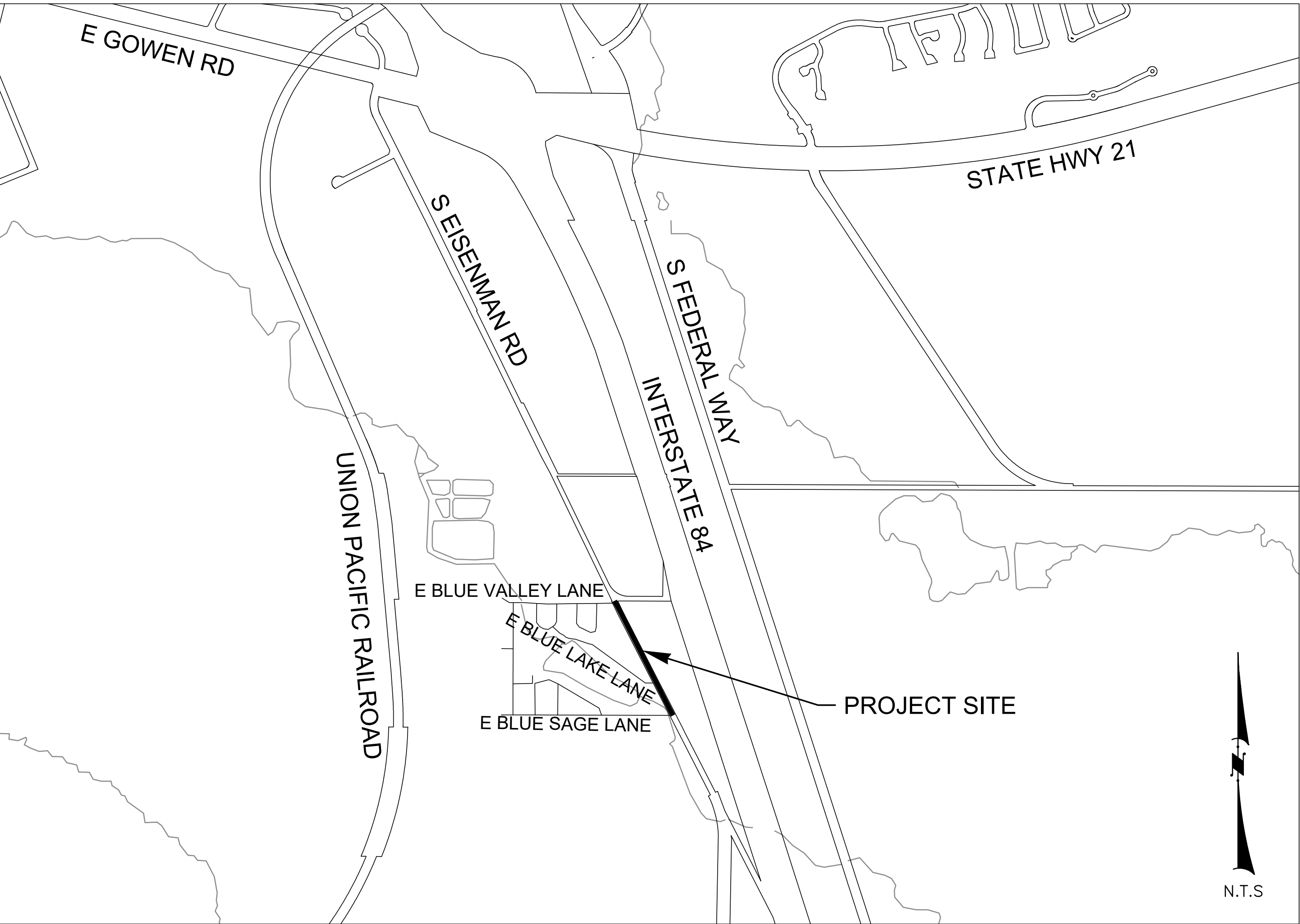
# CAPITAL CITY DEVELOPMENT CORPORATION CONSTRUCTION PLANS

## FOR EISENMAN ROAD PEDESTRIAN FACILITIES JULY 2023

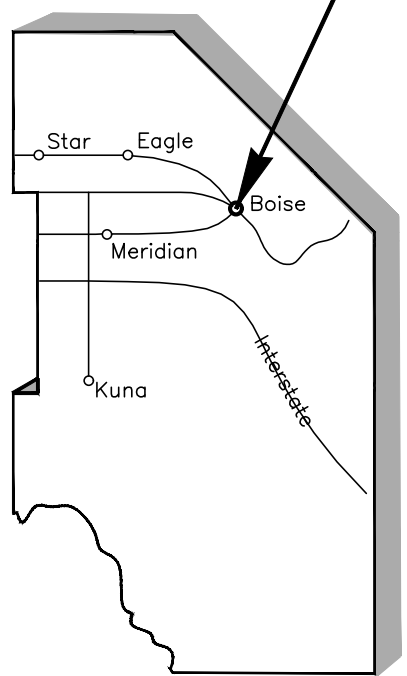
### LEGEND

(See Standards For Specifics)

2+00	3+00
Control Line	
Existing Edge of Pavement or Gravel	
Existing 12" CMP Drain or Irrigation Pipe	
Existing Ditch or Flow line	
Existing Property Line	
Existing Fence & Gate	
Existing Slope	
Existing Curb & Gutter	
Existing Concrete Sidewalk	
Existing Curb, Gutter, Sidewalk & Approach	
Existing Utility Line With Initial	
Water Valve or Meter	
Gas Valve or Meter	
Fire Hydrant	
Signal Pole	
Light Pole	
Utility Pole With Anchor	
Sign, Stop/Street Sign and Mailbox	
Existing & New Manholes	
Existing & New Catch Basin	
Existing & New Irrigation Box	
Deciduous & Evergreen Tree	
Deciduous & Evergreen Bushes	
Existing Building	
River, Creek, or Canal	
Revision Note	
Construction Note	
Bench Mark & Monument	
Section & 1/4 Section Corner	
New Extruded Curb	
New Retaining Wall	
New 4" White Stripe	
Limits of Cut Slope	
Limits of Fill Slope	
New Asphalt Path	
New Asphalt Shoulder	
Sod Repair	
Asphalt Repair	
Gravel Repair	



### PROJECT LOCATION



BOISE, IDAHO

### SHEET INDEX

1. TITLE SHEET
2. TYPICAL SECTIONS, DETAILS & NOTES
- 3.-5. PATHWAY PLAN & PROFILE
6. RETAINING WALL PLAN & PROFILE
7. RETAINING WALL NOTES & DETAILS
- 8.-9. RETAINING WALL RAILING NOTES & DETAILS

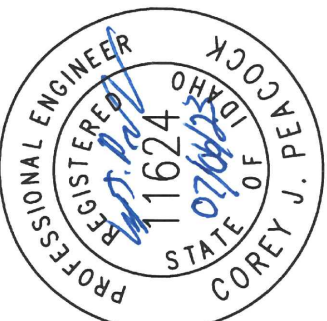


CLIENT:  
CAPITAL CITY DEVELOPMENT CORPORATION  
CONTACT: KASSI BROWN  
121 N. 9TH STREET, SUITE #501  
BOISE, IDAHO 83702  
(208)384-4264

### Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY:  DATE: 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT



PROJECT NO.	22018
DESIGNED	CJP/JUP
DRAWN	JUP
CHECKED	CJP
APPROVED	

CIVIL SURVEY CONSULTANTS, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2893 S. MERIDIAN ROAD  
MERIDIAN, IDAHO 83642  
(208)888-4312

CAPITAL CITY  
DEVELOPMENT CORPORATION  
EISENMAN ROAD PEDESTRIAN FACILITIES  
TITLE SHEET

DATE: JULY 2023  
DRAWING: SHEET01.DWG  
JOB NO: 22018

SHEET 1 OF 9

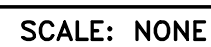


NOTE: COORDINATES SHOWN WERE ESTABLISHED FROM THE NAD 83 IDAHO STATE PLANE MODIFIED TO THE ADA COUNTY LOCAL GIS COORDINATES. ALL ELEVATIONS ARE BASED ON THE NAVD 88 DATUM. CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN IDAHO P.L.S. REFERENCE AND REPLACE ALL DISTURBED LAND MONUMENTS.



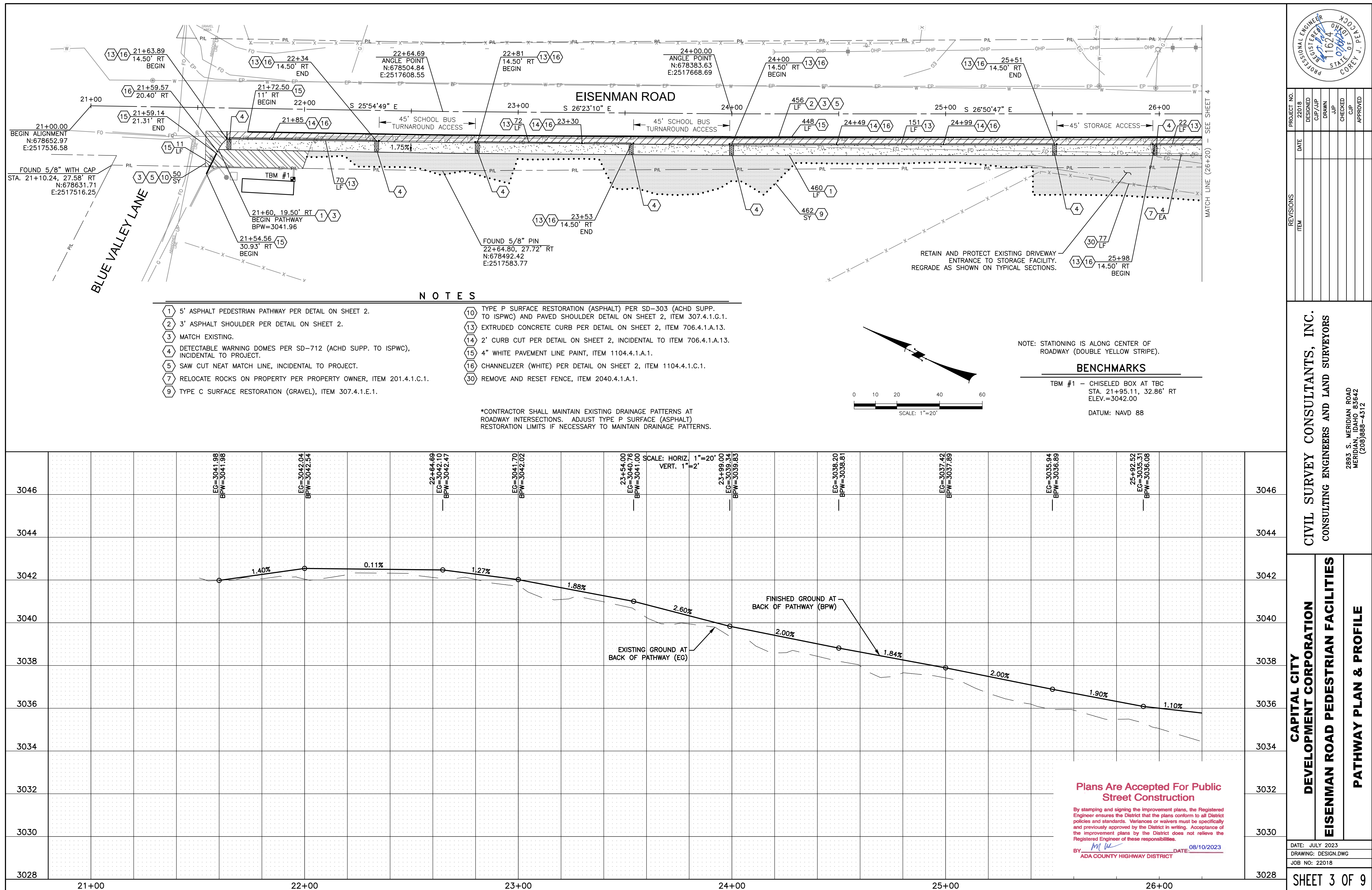


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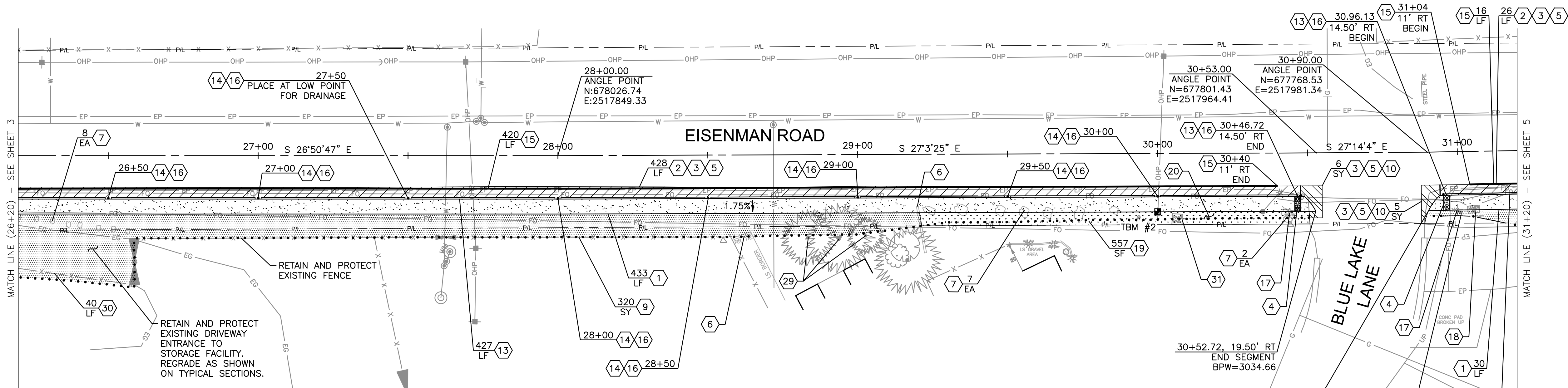


- BY mm DATE: 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT



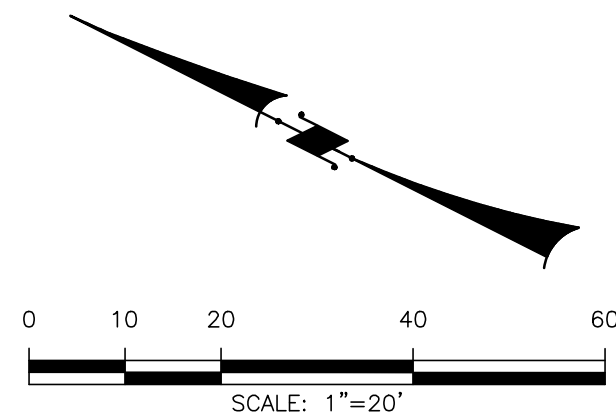






### NOTES

- 5' ASPHALT PEDESTRIAN PATHWAY PER DETAIL ON SHEET 2.
- 3' ASPHALT SHOULDER PER DETAIL ON SHEET 2.
- MATCH EXISTING.
- DETECTABLE WARNING DOMES PER SD-712 (ACHD SUPP. TO ISPMC), INCIDENTAL TO PROJECT.
- SAW CUT NEAT MATCH LINE, INCIDENTAL TO PROJECT.
- RELOCATE RAILROAD TIE ON PROPERTY PER PROPERTY OWNER, ITEM 201.4.1.C.1.
- RELOCATE ROCKS ON PROPERTY PER PROPERTY OWNER, ITEM 201.4.1.C.1.
- TYPE C SURFACE RESTORATION (GRAVEL), ITEM 307.4.1.E.1.
- TYPE P SURFACE RESTORATION (ASPHALT) PER SD-303 (ACHD SUPP. TO ISPMC) AND PAVED SHOULDER DETAIL ON SHEET 2, ITEM 307.4.1.G.1.
- EXTRUDED CONCRETE CURB PER DETAIL ON SHEET 2, ITEM 706.4.1.A.13.
- 2' CURB CUT PER DETAIL ON SHEET 2, INCIDENTAL TO ITEM 706.4.1.A.13.
- 4" WHITE PAVEMENT LINE PAINT, ITEM 1104.4.1.A.1.
- CHANNELIZER (WHITE) PER DETAIL ON SHEET 2, ITEM 1104.4.1.C.1.
- RELOCATE ROADSIDE SIGN OUTSIDE OF PATHWAY, INCIDENTAL TO PROJECT.
- ADJUST UTILITY BOX TO GRADE, ITEM 2030.4.1.D.1.
- LAWN SOD RESTORATION, ITEM SP-1.
- SPRINKLER SYSTEM REPAIR OR ADJUSTMENT, ITEM SP-2.
- TRIM EXISTING TREE OR BUSH, ITEM 201.4.1.C.1.
- REMOVE AND RESET FENCE, ITEM 2040.4.1.A.1.
- RETAIN AND PROTECT EXISTING TRANSFORMER PAD, INCIDENTAL TO PROJECT.



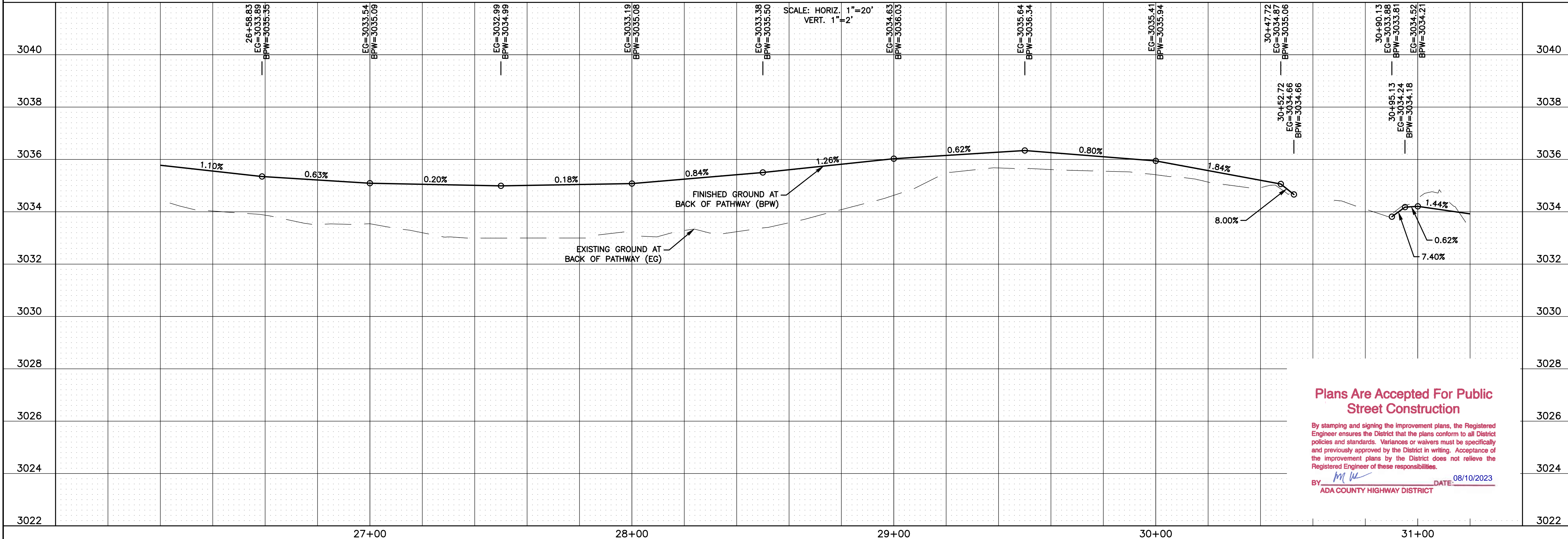
NOTE: STATIONING IS ALONG CENTER OF ROADWAY (DOUBLE YELLOW STRIPE).

### BENCHMARKS

TBM #2 - NAIL AT E. FACE OF POWER POLE  
STA. 30+00.01, 19.43' RT  
ELEV.=3036.39

DATUM: NAVD 88

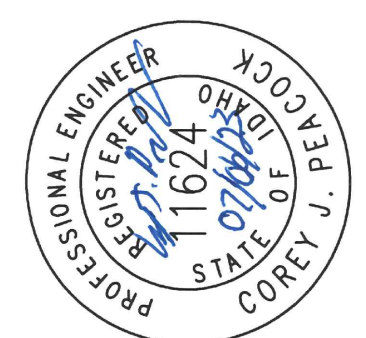
\*CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT ROADWAY INTERSECTIONS. ADJUST TYPE P SURFACE (ASPHALT) RESTORATION LIMITS IF NECESSARY TO MAINTAIN DRAINAGE PATTERNS.



Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: *M. W.* DATE: 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT



PROJECT NO.	22018
DESIGNED	
CIP/JUP	
DRAWN	
JUP	
CHECKED	
CIP	
APPROVED	

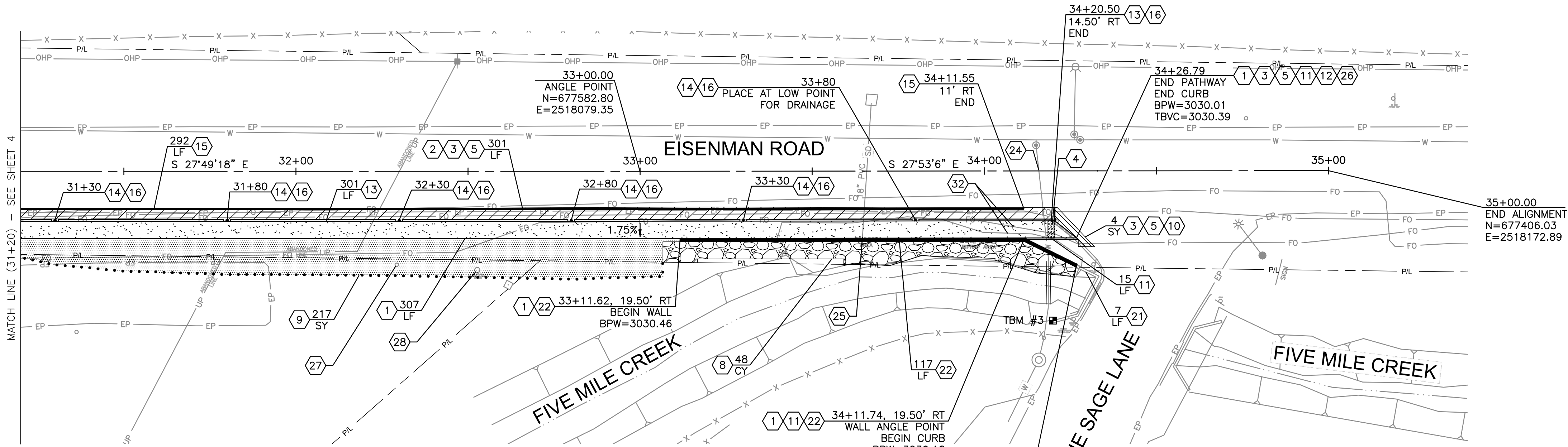
CIVIL SURVEY CONSULTANTS, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS

2893 S. MERIDIAN ROAD  
MERIDIAN, IDAHO 83642  
(208)888-4312

CAPITAL CITY
DEVELOPMENT CORPORATION
EISENMAN ROAD PEDESTRIAN FACILITIES
PATHWAY PLAN & PROFILE

DATE: JULY 2023  
DRAWING: DESIGN.DWG  
JOB NO: 22018





- NOTES
- 1

5' ASPHALT PEDESTRIAN PATHWAY PER DETAIL ON SHEET 2.

2

3' ASPHALT SHOULDER PER DETAIL ON SHEET 2.
- 3
- MATCH EXISTING.

4

DETECTABLE WARNING DOMES PER SD-712 (ACHD SUPP. TO ISPMC), INCIDENTAL TO PROJECT.

5

8

9

10

11

12

13

14

15

4" WHITE PAVEMENT LINE PAINT, ITEM 1104.4.1.A.1.

16

21

22

23

24

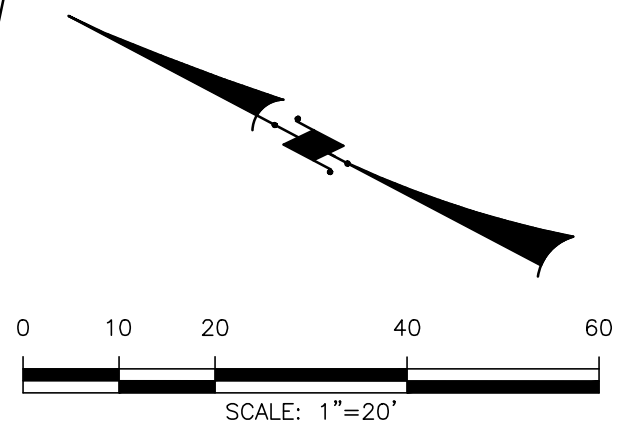
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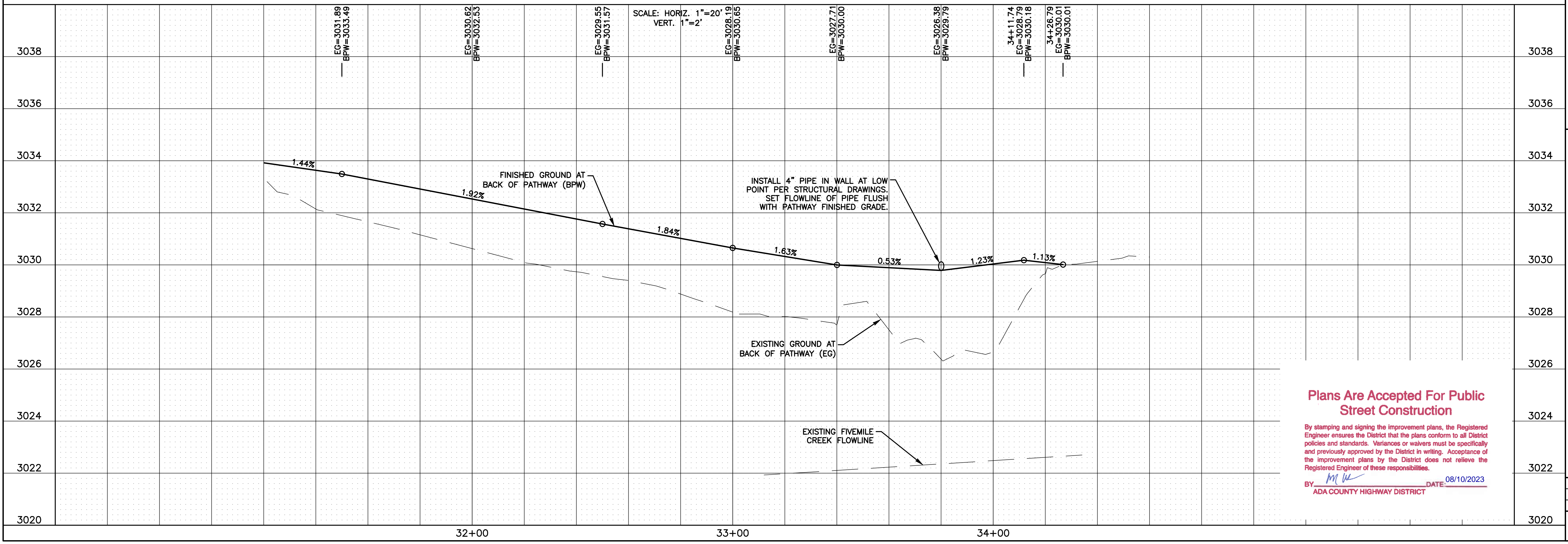


NOTE: STATIONING IS ALONG CENTER OF ROADWAY (DOUBLE YELLOW STRIPE).

BENCHMARKS

TBM #3 - CHISELED BOX AT N.E. WINGWALL CORNER  
STA. 34+19.89, 43.53' RT  
ELEV.=3028.99  
DATUM: NAVD 88

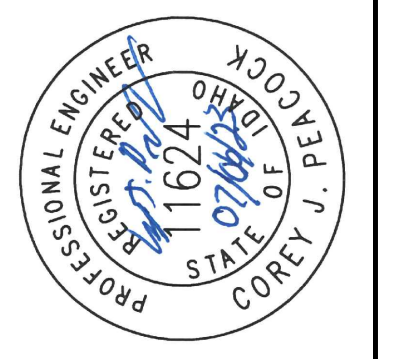
\*CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT ROADWAY INTERSECTIONS. ADJUST TYPE P SURFACE (ASPHALT) RESTORATION LIMITS IF NECESSARY TO MAINTAIN DRAINAGE PATTERNS.



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BY: *[Signature]* DATE: 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT

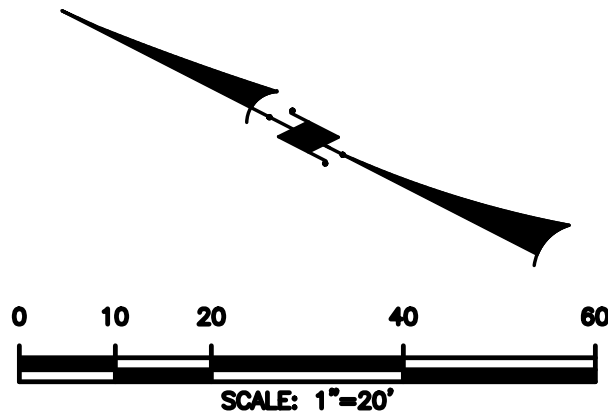
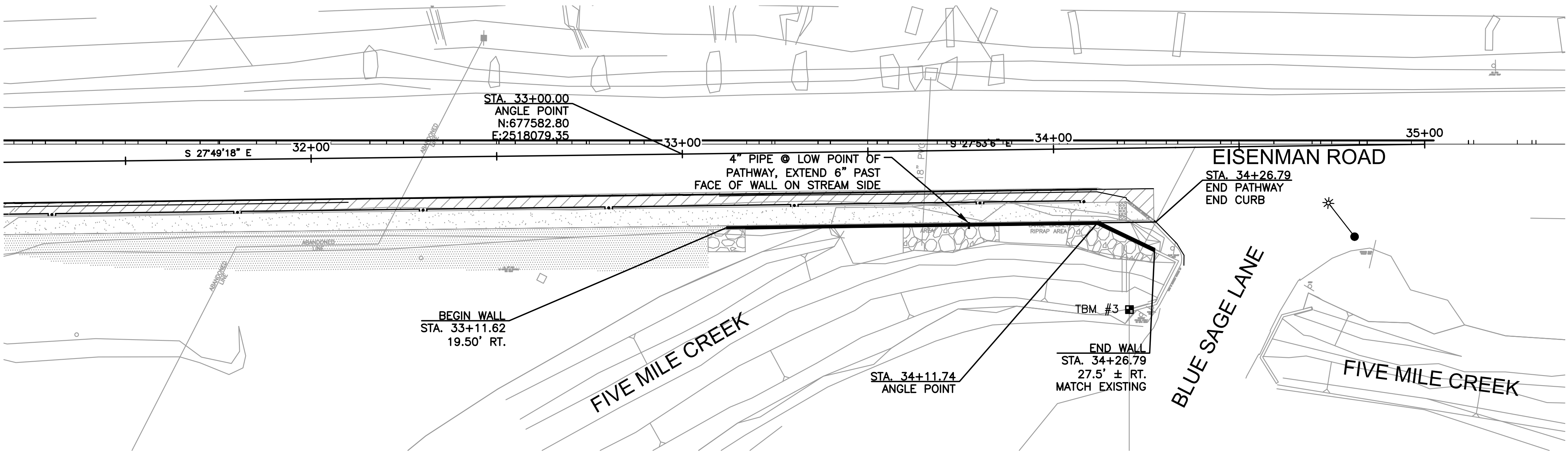


PROJECT NO.	22018
DESIGNED	CJP/JUP
DRAWN	JUP
CHECKED	CJP
APPROVED	
DATE	
REVISIONS	
ITEM	

CIVIL SURVEY CONSULTANTS, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2893 S. MERIDIAN ROAD  
MERIDIAN, IDAHO 83642  
(208)888-4312

CAPITAL CITY  
DEVELOPMENT CORPORATION  
EISENMAN ROAD PEDESTRIAN FACILITIES  
PATHWAY PLAN & PROFILE

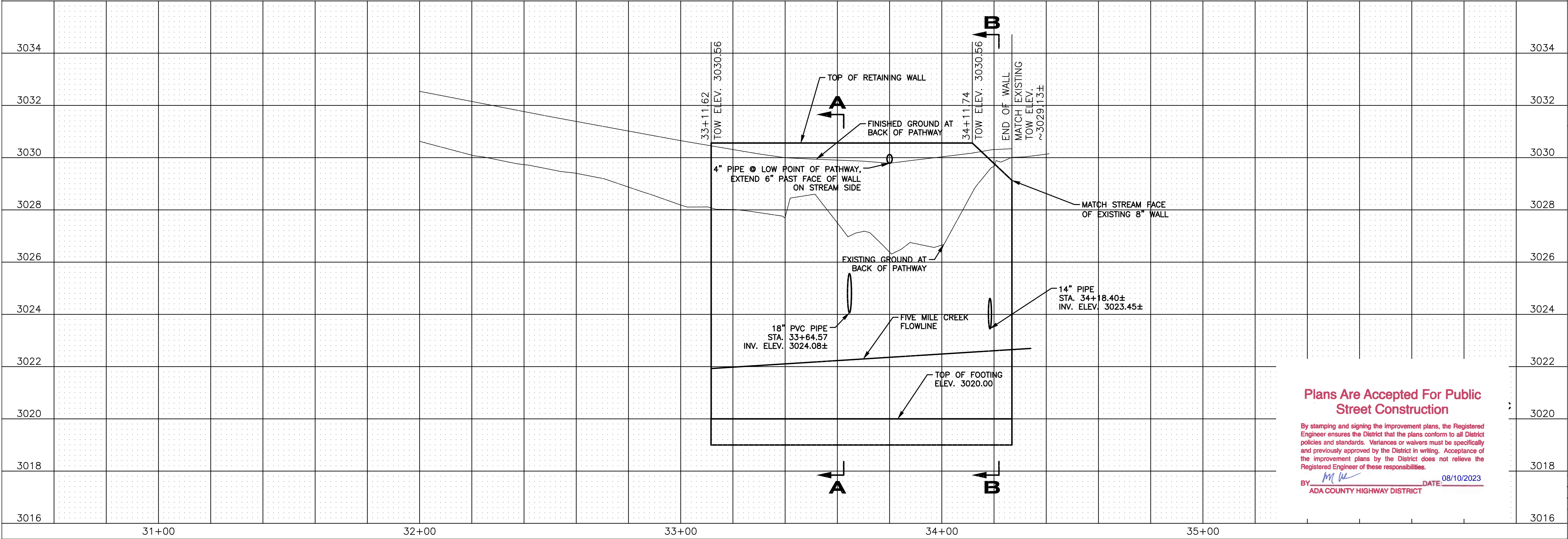




NOTE: STATIONING IS ALONG CENTER OF ROADWAY (DOUBLE YELLOW STRIPE).

**BENCHMARKS**

TBM #3 - CHISELED BOX AT N.E. WINGWALL CORNER  
STA. 34+19.89, 43.53' RT  
ELEV.=3028.99  
DATUM: NAVD 88



**Plans Are Accepted For Public Street Construction**

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BY M. W. DATE 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT



PROJECT NO.	22018
DESIGNED	
CIP/ASH	
DRAWN	
JUP	
CHECKED	
APPROVED	

ELITE EDGE ENGINEERS

CAPITAL CITY  
DEVELOPMENT CORPORATION

EISENMAN ROAD PEDESTRIAN FACILITIES

RETAINING WALL PLAN & PROFILE

12324 W. LANKTREE GULCH ROAD  
STAR, IDAHO 83669  
(208)429-1960

DATE: MAY 2023  
DRAWING: WALL\_DESIGN.DWG  
JOB NO: 22018

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS  
MATERIALS, CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ISPMC (IDAHO STANDARDS FOR PUBLIC CONSTRUCTION), LATEST EDITION INCLUDING SUPPLEMENTS. ANY EXCEPTIONS ARE NOTED IN THE SPECIAL PROVISIONS OR CONSTRUCTION DRAWINGS.

MATERIAL  
ALL CONCRETE SHALL BE CLASS 40A PER SECTION 700 OF ISPMC STANDARDS

CONSTRUCTION  
CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.

BACKFILL OF THE STRUCTURE SHALL NOT BE MORE THAN 2 FEET DIFFERENCE IN ELEVATION FROM ONE SIDE OF THE STRUCTURE TO THE OTHER.

PLAN DIMENSIONS AND ELEVATIONS  
ALL EXPOSED CORNERS OF POURED CONCRETE SHALL HAVE A 1 1/2" CHAMFER.

REINFORCING STEEL DIMENSIONS ARE MEASURED FROM CENTERLINE OF BAR UNLESS OTHERWISE NOTED.

REINFORCING STEEL CLEARANCE FROM THE OUTSIDE FACE OF CONCRETE SHALL BE 2" UNLESS OTHERWISE NOTED.

REINFORCING STEEL SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

INCIDENTAL ITEMS  
ALL ITEMS SHOWN OR NOTED ON PLANS WHICH ARE NOT SPECIFICALLY BID ITEMS ARE CONSIDERED INCIDENTAL ITEMS. THE COST OF FURNISHING AND INSTALLING INCIDENTAL ITEMS WILL NOT BE PAID FOR SEPARATELY,

SHORING MAY BE REQUIRED TO MAINTAIN CONSTRUCTION WITHIN RIGHT OF WAY. SHORING IS INCIDENTAL.

DESIGN SPECIFICATIONS  
STRUCTURE DESIGNED IN ACCORDANCE WITH THE AASHTO "LFRD BRIDGE DESIGN SPECIFICATIONS", 9TH EDITION, 2020.

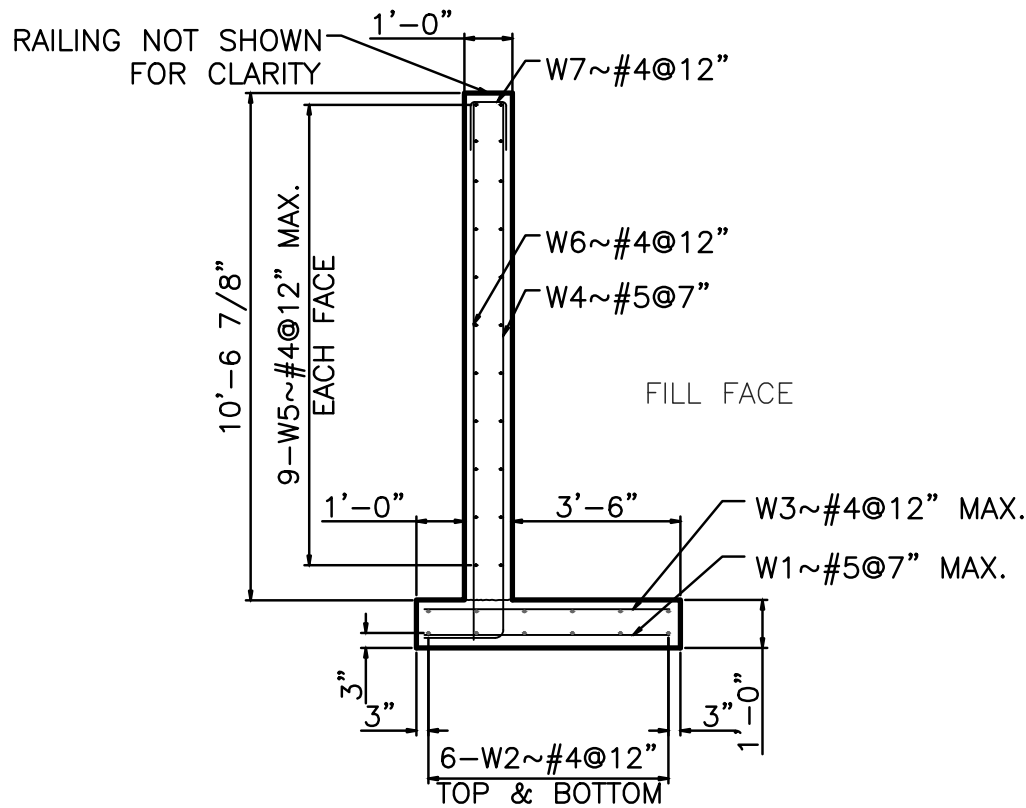
DESIGN AND DETAILS IN ACCORDANCE WITH CURRENT ISPMC.

MAXIMUM FOOTING PRESSURES

ALLOWABLE FOOTING PRESSURE (STRENGTH LIMIT)	8,000	#/SF
ALLOWABLE FOOTING PRESSURE (SERVICE LIMIT STATE)	3,250	#/SF
COMPUTED FOOTING PRESSURE	1,870	#/SF

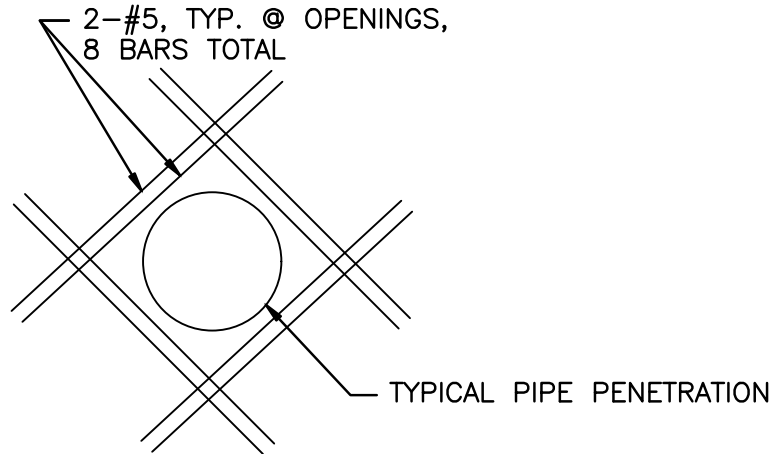
DESIGN LOADS

DEAD LOAD	CONCRETE	= 145	PCF
DESIGN FILL		= 130	PCF
UNIT WEIGHT OF SOIL		= 125	PCF
LATERAL EQUIVALENT FLUID PRESSURE AT BARREL		= 65	PCF
LATERAL EQUIVALENT FLUID PRESSURE AT WINGWALL		= 43	PCF



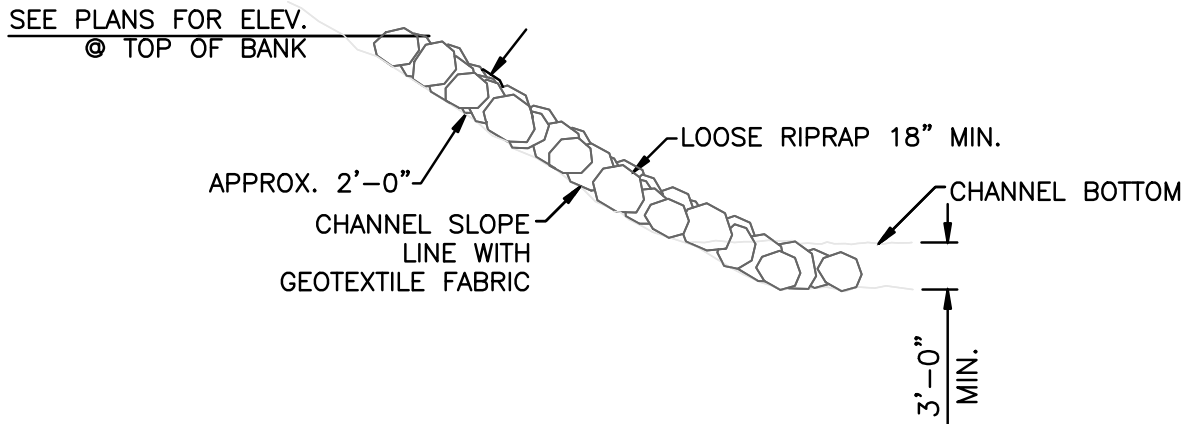
RETAINING WALL SECTION A-A

Scale: 1/4"=1'-0"



PIPE PENETRATION DETAIL

Scale: N.T.S.



RIP RAP DETAIL

Scale: N.T.S.

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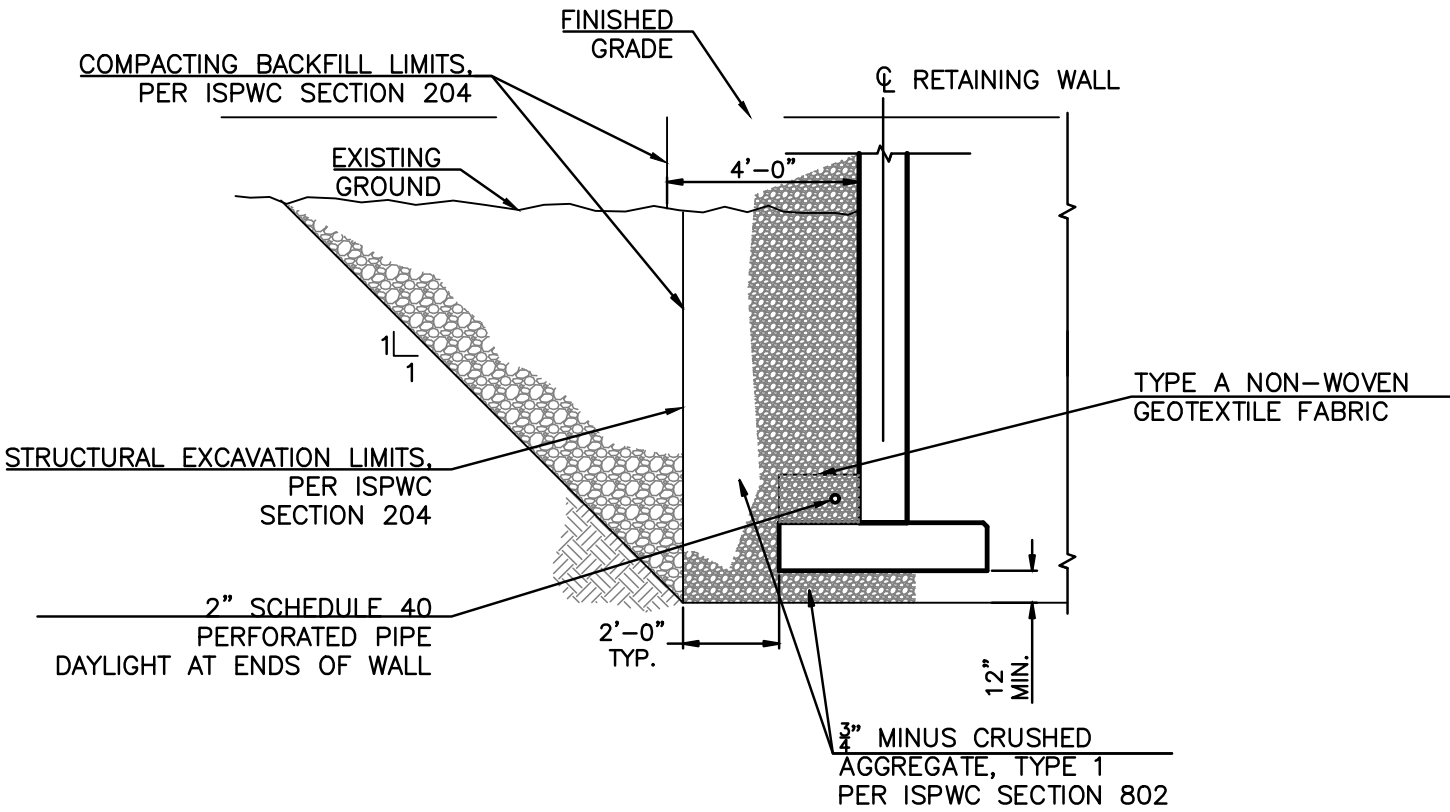
BY *M. W.* DATE 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT

RETAINING WALL SECTION B-B

Scale: 1/4"=1'-0"

EXCAVATION & BACKFILL DETAIL

Scale: N.T.S.



PROJECT NO.	22018
DESIGNED	
CIP/ASH	
DRAWN	
JUP	
CHECKED	
APPROVED	

ELITE EDGE ENGINEERS

12324 W. LANKTREE GULCH ROAD  
STAR, IDAHO 83669  
(208)428-1960

CAPITAL CITY  
DEVELOPMENT CORPORATION  
EISENMAN ROAD PEDESTRIAN FACILITIES  
RETAINING WALL NOTES & DETAILS

DATE: MAY 2023
DRAWING: WALL_DESIGN.DWG
JOB NO: 22018



## RAILING NOTES

## CONSTRUCTION SPECIFICATIONS

MATERIALS, CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ISPCW (IDAHO STANDARDS FOR PUBLIC CONSTRUCTION), LATEST EDITION INCLUDING SUPPLEMENTS. ANY EXCEPTIONS ARE NOTED IN THE SPECIAL PROVISIONS OR CONSTRUCTION DRAWINGS.

## MATERIAL

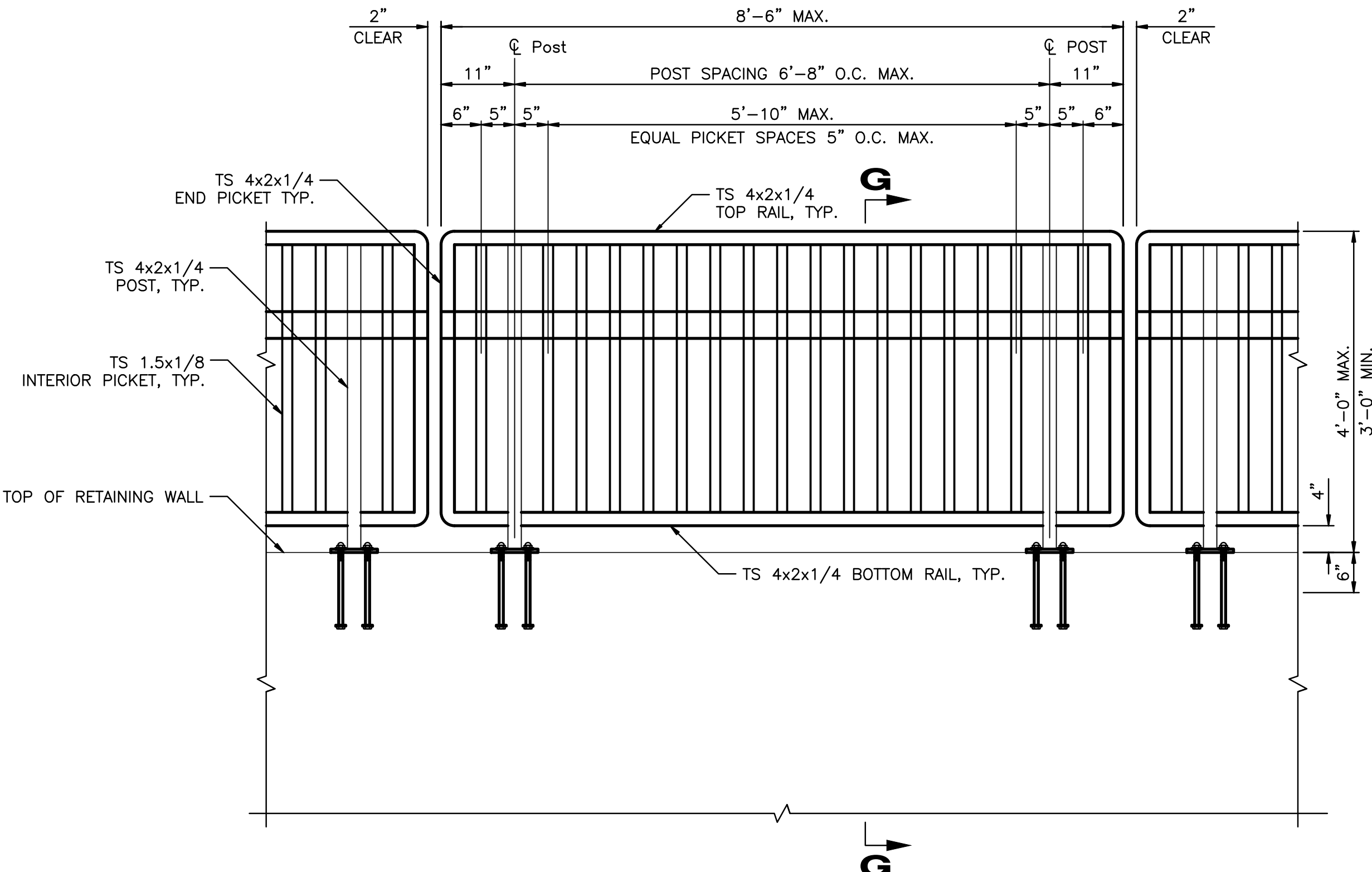
1. ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM WITH A.S.T.M. F-1554 GRADE 36.
2. STRUCTURAL STEEL TUBING SHALL CONFORM WITH A.S.T.M. A-500 GRADE B OR A.S.T.M. A501.
3. STRUCTURAL STEEL PLATES AND SLEEVES SHALL CONFORM WITH AASHTO M270 GRADE 36.

## GALVANIZING/POWDER COATING

4. ALL STEEL PARTS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123 AND ASTM A-385.
5. ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.
6. ALL GALVANIZED SURFACES SHALL BE FREE OF FINIS, ABRASIONS, ROUGH OR SHARP EDGES, OR OTHER SURFACE DEFECTS.
7. THE RAILING SYSTEM SHALL BE POWDER COATED AFTER GALVANIZING WITH A MINIMUM THICKNESS OF 3 MILS. THE COLOR SHALL BE FEDERAL STANDARD 595 NUMBER 1703B (BLACK). A COLOR SAMPLE SHALL BE SUBMITTED FOR APPROVAL.
8. POWDER COATING SHOP PROCEDURES FOR PREPARATION OF THE GALVANIZED SURFACES AND APPLICATION PROCESS OF THE POWDER COATING SHALL BE SUBMITTED FOR APPROVAL.

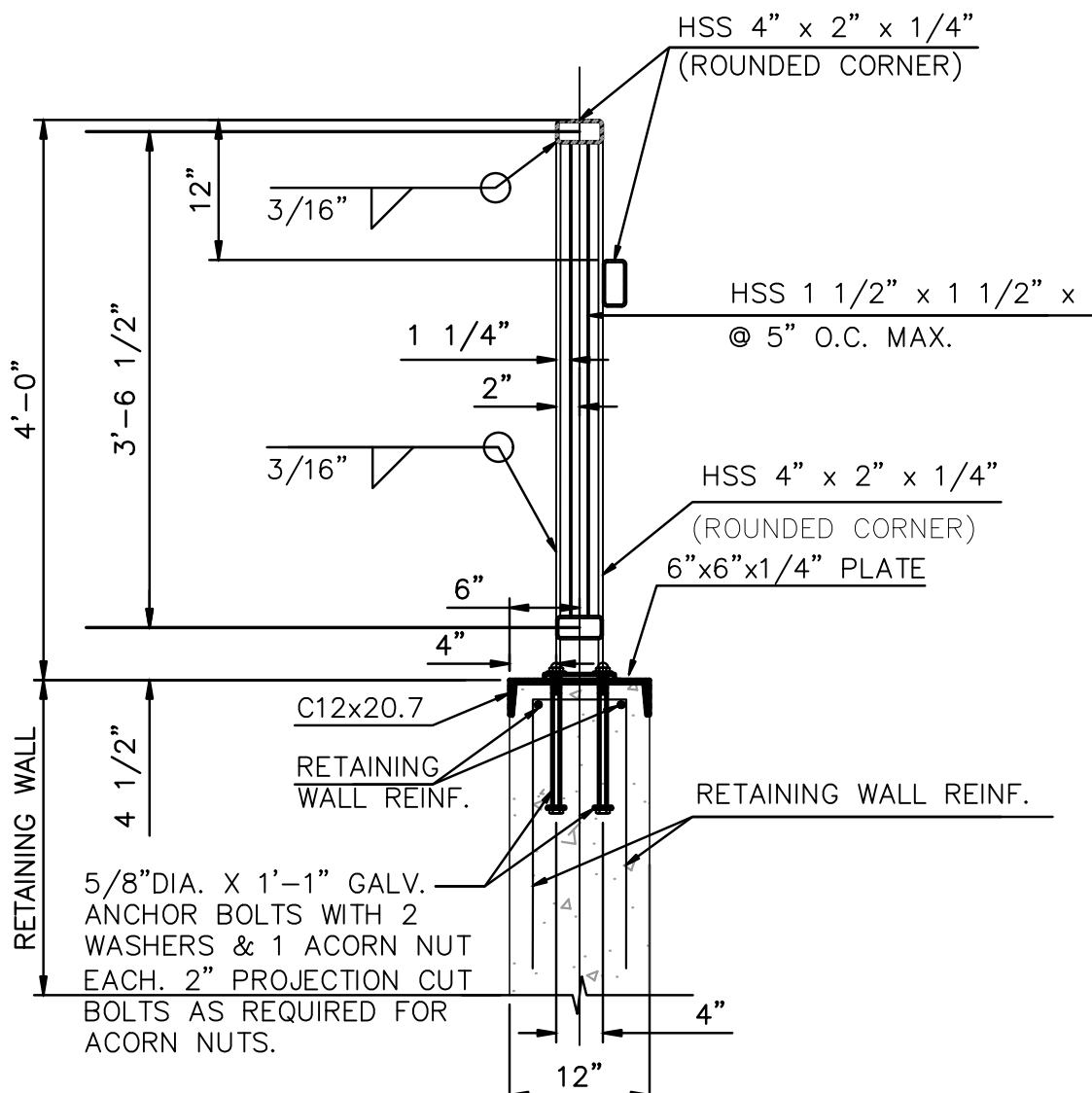
## FABRICATION AND PRECTION

10. FABRICATION AND ERECTION OF THE RAILING SHALL CONFORM WITH THE CURRENT EDITION OF AASHTO SPECIFICATIONS FOR HIGHWAY BRIDGES AND ITD STANDARD SPECIFICATIONS.
11. THE RAILING SHALL BE FABRICATED IN A PLANT EXPERIENCED IN PRODUCING RAILINGS AND ARCHITECTURAL METAL WORK AND SHALL BE ERECTED BY SKILLED WORKMEN EXPERIENCED IN THIS TYPE OF WORK.
12. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER ELECTRONICALLY IN PDF FORMAT AND SHALL INCLUDE COMPLETE DIMENSIONS AND DETAILS OF FABRICATION INCLUDING AN ERECTION DIAGRAM. MATERIALS BEING USED SHALL BE CLEARLY SPECIFIED. BEFORE PROJECT COMPLETION, THE CONTRACTOR SHALL FURNISH THE ENGINEER ELECTRONIC AS-BUILT SHOP DRAWINGS IN PDF FORMAT.
13. ALL POSTS SHALL BE PLUMB.
14. ALL ENDS OF TUBE SECTIONS AT SPLICES SHALL BE SAWED OR MILLED. CUT ENDS SHALL BE TRUE, SMOOTH AND FREE FROM BURRS OR RAGGED EDGES.
15. VENT HOLES FOR GALVANIZING SHALL BE PROVIDED AS REQUIRED AND SHOWN ON THE SHOP DRAWINGS. VENT HOLES SHALL BE DRILLED AWAY FROM TRAFFIC FACE AND NOT ON THE TOP SURFACE OF THE HORIZONTAL TUBE.
16. RAILING SYSTEM SHALL BE CONTINUOUS. EACH JOINT IN A RAIL LENGTH SHALL BE LOCATED AT THE SAME POSITION IN THE SECTION AND SHALL BE SPLICED AS DETAILED.
17. ALTERNATE SPLICE DETAILS MAY BE SUBMITTED FOR APPROVAL ON THE SHOP DRAWINGS.
18. RAILING SHALL CONTINUE ONTO THE EXISTING BRIDGE WINGWALL AND BE CONNECTED BY DRILLING AND GROUTING ANCHOR BOLTS WITH HILTI HIT HY 200 EPOXY GROUT OR APPROVED EQUAL WITH 11" EMBEDMENT.



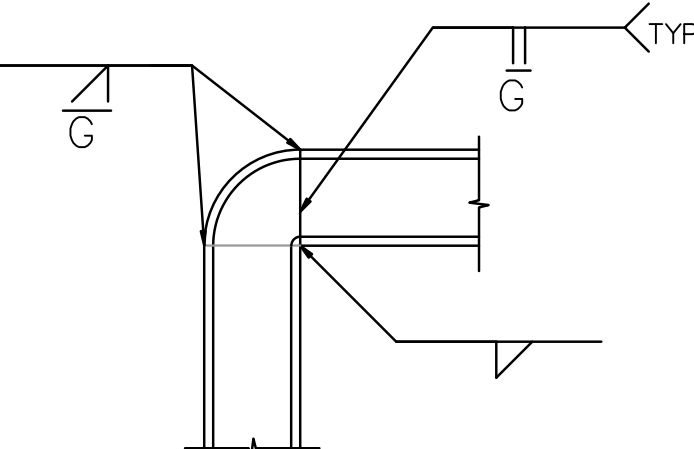
## TYPICAL RAIL ELEVATION

Scale: N.T.S



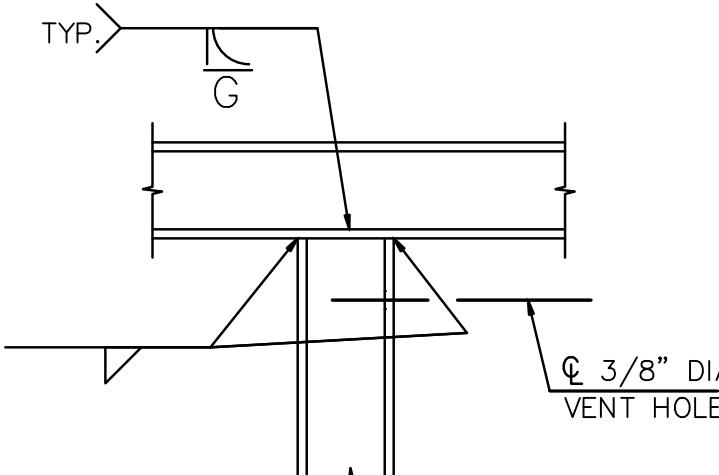
## RAIL SECTION G-G

Scale: 3/8"=1'-0"



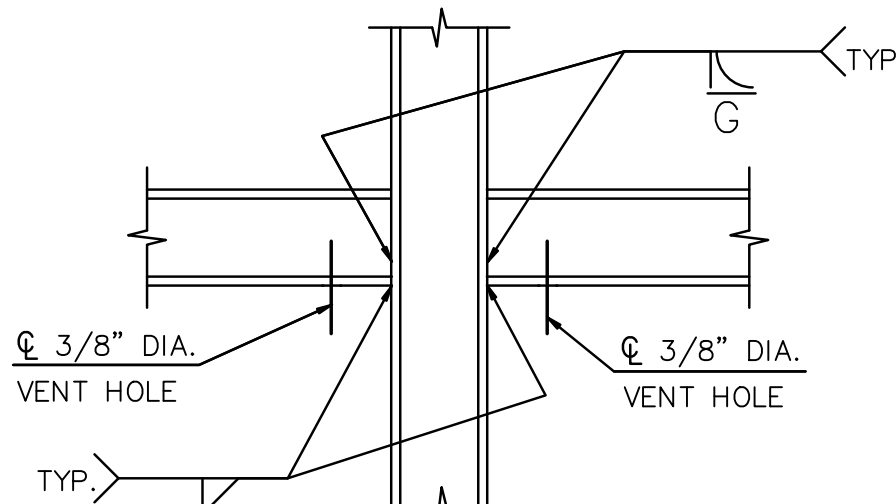
## RAIL DETAIL A

Scale: N T S



## RAIL DETAIL B

Scale: N T S



## **RAIL DETAIL C**

Scale: N T S

## Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: M. H. DATE: 08/10/2023  
ADA COUNTY HIGHWAY DISTRICT



PROJECT NO.	REVISIONS		DATE	22018
	ITEM			
				DESIGNED
				CIP/ASH
				DRAWN
				JUP
				CHECKED
				APPROVED

ELITE EDGE ENGINEERS

2324 W. LANKTREE GULCH ROAD  
STAR, IDAHO 83669  
(208)429-1960

**CAPITAL CITY  
DEVELOPMENT CORPORATION  
MAN ROAD PEDESTRIAN FACILITIES**

## RAILING DETAILS

DATE: MAY 2023  
DRAWING: WALL\_DESIGN.DWG  
JOB NO: 22018

