



CAMPUS PLANNING, DESIGN & CONSTRUCTION

Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760
Phone: (406) 994-5413 • Fax: (406) 994-5665

ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Gaines Hall Water Main Replacement Phase 2

PPA No.: 23-0730

Location: Montana State University - Bozeman

Date: 11/12/2024

Owner: State of Montana, MSU - Bozeman
Plew Building 6th and Grant, PO Box 172760
Bozeman, Montana 59717-2760

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **Allied Engineering Services, Inc.** dated **October 2, 2024** shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

1. AMENDMENTS TO THE PROJECT MANUAL

- a. Section 011000 Summary, 1.1.E. Work Sequence shall be updated: Dates for work to be completed are from **May 12th, 2025, to August 1st, 2025.**
- b. Section 011000 Summary, 1.1.G. Parking and Site Access shall be updated: Grant Street will not be accessible throughout the project. Contractor access will be from 11th Ave. through a service drive.
- c. Bid Proposal: Landscaping and concrete subcontractors need to be listed on the bid in case they are needed to replace any damage. See updated Bid Proposal document with subcontractor section.

2. AMENDMENTS TO THE DRAWINGS

- a. Clarification: Landscaping improvements associated with Grant Street have been made in the project vicinity and are not reflected on Existing Conditions sheets C1.1 and C1.2. Approximate hardscaping improvements per plans for Grant Street improvements project are shown on C1.3 and C2.1. Current rock in the landscape has a mesh sheet underneath which can be easily cut and folded back to ensure minimal disruption to landscaping. Contractor is responsible for restoring landscaping areas to original condition.
- b. Additional Information: Sheet C1.1, C1.2 and C1.3: Note updated: *Irrigation lines and conduits exist within the project area. Irrigation control valve boxes are shown on the plans; however, associated irrigation lines and conduits are not shown. Contractor to mark irrigation lines and coordinate with MSU on replacement/routing of irrigation lines and conduits which may be damaged during construction. Any irrigation damage will be billed to the contractor with work being performed by MSU.*
- c. Clarification: Bollards were previously shown around hydrant #21 on C2.1 but not on sheet C1.3. Sheet C1.3 has been updated to reflect the desired bollards. Bollards are required at the new hydrant.

- d. Clarification: Regardless of excavation method through mature trees at approximate station 1+24 to 1+74, contractor shall notify and coordinate with MSU upon exposing tree roots prior to continuing excavation through tree roots.
- e. Additional Information: Sheets C1.3 and C2.1: Scope of Work shall include: An abandoned steam line which crosses the proposed water main was previously found to have asbestos. The contractor shall test, abate and remove the steam pipe if encountered.

3. AMENDMENTS TO EQUIPMENT INFORMATION

- a. None noted at this time.

4. PRE-BID MEETING INFORMATION

- a. See attached notes by Cole Oshiro-Leavitt, Allied Engineering.

5. PRIOR APPROVALS

- a. None noted.

6. ATTACHMENTS

- a. Updated Bid Proposal Form with Subcontractor Section
- b. Pre-bid meeting attendance list
- c. Pre-bid meeting notes by Cole Oshiro-Leavitt, Allied Engineering
- d. Updated Plan Sheets:
 - i. C1.1 EXISTING CONDITIONS
 - ii. C1.2 EXISTING CONDITIONS W/ AERIAL
 - iii. C1.3 DESIGN PLAN
 - iv. C2.1 WATER MAIN PLAN & PROFILE



BID PROPOSAL

GAINES HALL WATER MAIN REPLACEMENT PHASE 2
PPA No. 23-0730

TO:
State of Montana, Montana State University
University Facilities Management
Attn: Contract Administrator
Plew Building, 6th & Grant,
PO Box 172760
Bozeman, Montana 59717-2760

Prospective Bidders:

The undersigned, having familiarized themselves with the Contract Documents, site, location, and conditions of the Work as prepared by Allied Engineering Services, Inc., 32 Discovery Drive, Bozeman, MT 59718, 406-582-0221 by submission of this Bid Proposal, hereby agrees to provide all materials, systems, equipment and labor necessary to complete the Work for the total sum as follows:

BASE BID: ABANDON AND REPLACEMENT OF EXISTING WATER MAIN AND ANY OTHER CHANGES AS INDICATED ON THE PLANS.

_____ and _____ /100 DOLLARS
(ALPHA notation) \$ _____ (NUMERIC notation)

ALTERNATE NO. 1: ADD 50-FEET OF TRENCHLESS INSTALLATION OF WATER MAIN.

THE BIDDER AGREES TO ADD THE SPECIFIED SCOPE OF WORK FOR THE TOTAL SUM OF:

_____ and _____ /100 DOLLARS
(ALPHA notation) \$ _____ (NUMERIC notation)

LIST OF SUBCONTRACTORS

This section must be completed to meet the requirements of a responsive bid (The Owner still retains the right to determine whether or not this requirement is an irregularity or informality in the bids submitted). If work will be performed by the General Contractor, enter the name of the General Contractor. Should Alternates be included in the bid proposal, and the listed subcontractors change based upon the

pricing of the alternates, the General Contractor shall provide a listing or notation of the change in subcontractors for each alternate for each description of the work.

DESCRIPTION OF WORK

SUBCONTRACTOR

LANDSCAPING

CONCRETE

This bidder acknowledges receipt of the following addenda:

ADDENDUM No.: _____ Dated: _____
ADDENDUM No.: _____ Dated: _____
ADDENDUM No.: _____ Dated: _____

By signing below, the bidder agrees to all terms specified and AGREES TO fulfill the requirements of the CONTRACT in strict accordance with the bidding documents.

Company Name: _____

Business Address: _____

Construction Contractor

Registration No.:

Phone No.:

Fax No.:

Email:

Date:

Bid Proposals entitled to consideration shall be signed by the proper representative of the firm submitting the proposal as follows (Initial which requirement you meet):

The principal of a single owner firm;

A principal of a partnership firm;

An officer of an incorporated firm, or an agent whose signature is accompanied by a certified copy of the resolution of the Board of Directors authorizing that agent to sign; or (attach a copy of the resolution),

Other persons signing for a single-owner firm or a partnership shall attach a power-of-attorney evidencing his authority to sign for that firm.

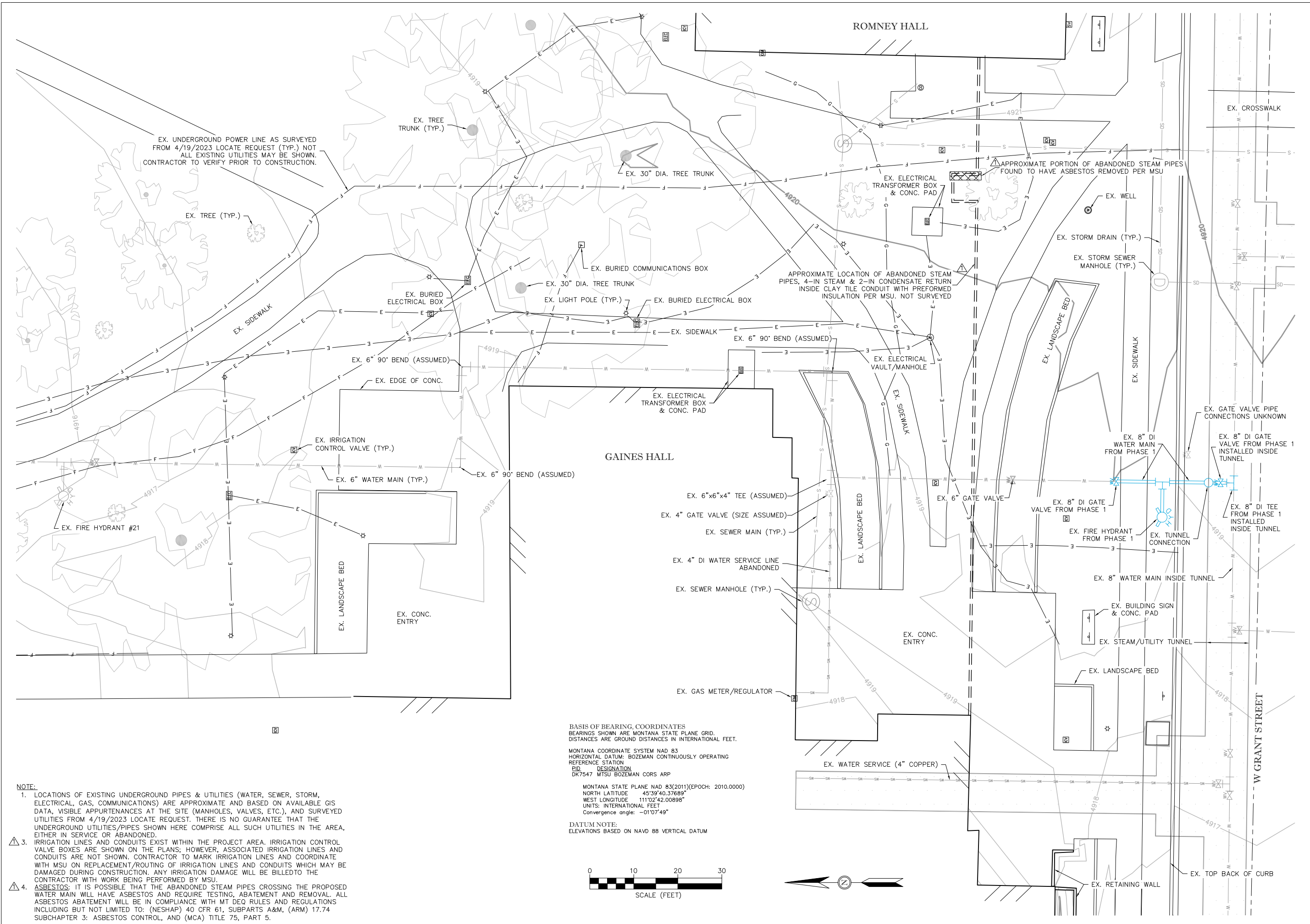
Signature: _____

Print Name: _____

Title: _____

Gaines Water Main Phase 2 Pre-Bid Meeting November 4, 2024. AESI Notes

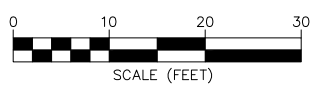
- Bid date will remain the same
- Construction start date moved from Christmas break to summer start, mid-May to mid-July, anticipate wet/muddy conditions
- Landscaping responsibility of contractor
- Irrigation lines hit to be marked by contractor and repaired by MSU
- Regardless of standard trench or trenchless excavation through mature trees – contractor will excavate until they see tree roots, then call MSU arborist to evaluate what needs to happen with the trees
- Fiber mesh concrete new MSU standard – Not called out in specs (section 02529 Concrete sidewalks, driveways...) – references section 03310, Structural Concrete and 03210, Reinforcing Steel but sections are not provided in original bid package
- Existing irrigation conduits under sidewalk in project vicinity – at least four of them in the concrete spider around Sta. 1+00
- Grant to 7th will be torn out. Contractor access expected to be from rear of site behind Gaines Hall/Visual Communications Building



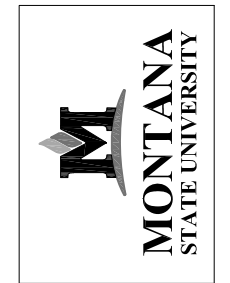
EX. UNDERGROUND POWER LINE AS SURVEYED FROM 4/19/2023 LOCATE REQUEST (TYP.) NOT ALL EXISTING UTILITIES MAY BE SHOWN. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

BASIS OF BEARING, COORDINATES
 BEARINGS SHOWN ARE MONTANA STATE PLANE GRID. DISTANCES ARE GROUND DISTANCES IN INTERNATIONAL FEET.
 MONTANA COORDINATE SYSTEM NAD 83
 HORIZONTAL DATUM: BOZEMAN CONTINUOUSLY OPERATING REFERENCE STATION
 PID DESIGNATION
 DK7547 MTSU BOZEMAN CORS ARP
 MONTANA STATE PLANE NAD 83(2011)(EPOCH: 2010.0000)
 NORTH LATITUDE 45°39'40.37689"
 WEST LONGITUDE 111°02'42.00898"
 UNITS: INTERNATIONAL FEET
 Convergence angle: -01°07'49"

DATUM NOTE:
 ELEVATIONS BASED ON NAVD 88 VERTICAL DATUM

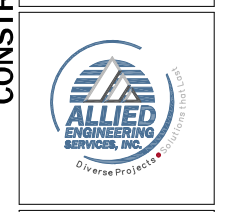


- NOTE:**
- LOCATIONS OF EXISTING UNDERGROUND PIPES & UTILITIES (WATER, SEWER, STORM, ELECTRICAL, GAS, COMMUNICATIONS) ARE APPROXIMATE AND BASED ON AVAILABLE GIS DATA, VISIBLE APPURTENANCES AT THE SITE (MANHOLES, VALVES, ETC.), AND SURVEYED UTILITIES FROM 4/19/2023 LOCATE REQUEST. THERE IS NO GUARANTEE THAT THE UNDERGROUND UTILITIES/PIPES SHOWN HERE COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
 - IRRIGATION LINES AND CONDUITS EXIST WITHIN THE PROJECT AREA. IRRIGATION CONTROL VALVE BOXES ARE SHOWN ON THE PLANS; HOWEVER, ASSOCIATED IRRIGATION LINES AND CONDUITS ARE NOT SHOWN. CONTRACTOR TO MARK IRRIGATION LINES AND COORDINATE WITH MSU ON REPLACEMENT/ROUTING OF IRRIGATION LINES AND CONDUITS WHICH MAY BE DAMAGED DURING CONSTRUCTION. ANY IRRIGATION DAMAGE WILL BE BILLED TO THE CONTRACTOR WITH WORK BEING PERFORMED BY MSU.
 - ASBESTOS: IT IS POSSIBLE THAT THE ABANDONED STEAM PIPES CROSSING THE PROPOSED WATER MAIN WILL HAVE ASBESTOS AND REQUIRE TESTING, ABATEMENT AND REMOVAL. ALL ASBESTOS ABATEMENT WILL BE IN COMPLIANCE WITH MT DEQ RULES AND REGULATIONS INCLUDING BUT NOT LIMITED TO: (NESHAP) 40 CFR 61, SUBPARTS A&M, (ARM) 17.74 SUBCHAPTER 3: ASBESTOS CONTROL, AND (MCA) TITLE 75, PART 5.

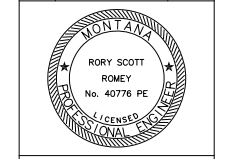


MSU-CPDC
 MONTANA STATE UNIVERSITY
 BOZEMAN, MONTANA
 PHONE: 406.994.5413
 FAX: 406.994.5665

CONSTRUCTION PLANS
GAINES HALL WATER MAIN REPLACEMENT
PHASE 2

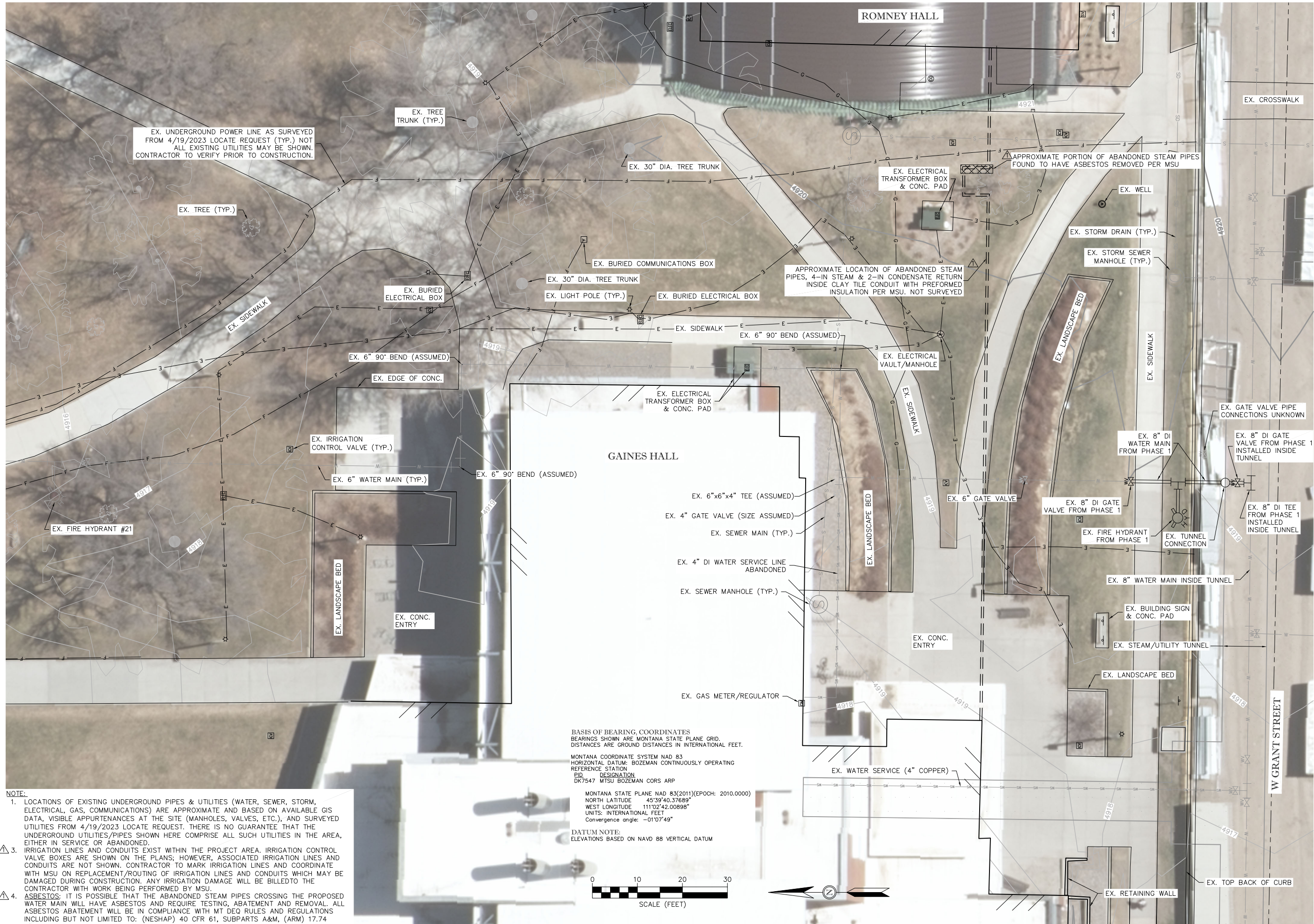


DRAWN BY: EIJ, COL		
REVIEWED BY: RSR		
REV.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	11/12/24



PPA#23-0730
A/E#00-00-00
AESI # 23-022

SHEET TITLE
C1.1
SHEET
EXISTING CONDITIONS
DATE
11/12/2024



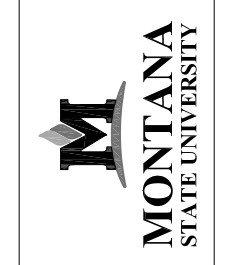
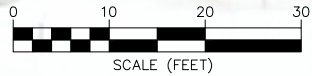
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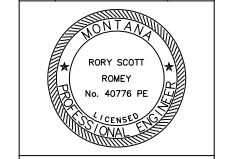


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CONSTRUCTION PLANS
GAINES HALL WATER MAIN REPLACEMENT PHASE 2



DRAWN BY: EJP, COL		
REVIEWED BY: RSR		
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1	ADDENDUM NO. 1	11/12/24



PPA#23-0730
A/E#00-00-00
AESI # 23-022

SHEET TITLE
C1.2
SHEET
EXISTING CONDITIONS W/ AERIAL

DATE
11/12/2024

GAINES HALL WATER MAIN REPLACEMENT PHASE 2

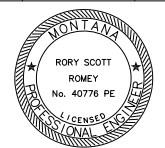
CONSTRUCTION PLANS



DRAWN BY: EJP, COL

REVIEWED BY: RSR

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AESI # 23-022

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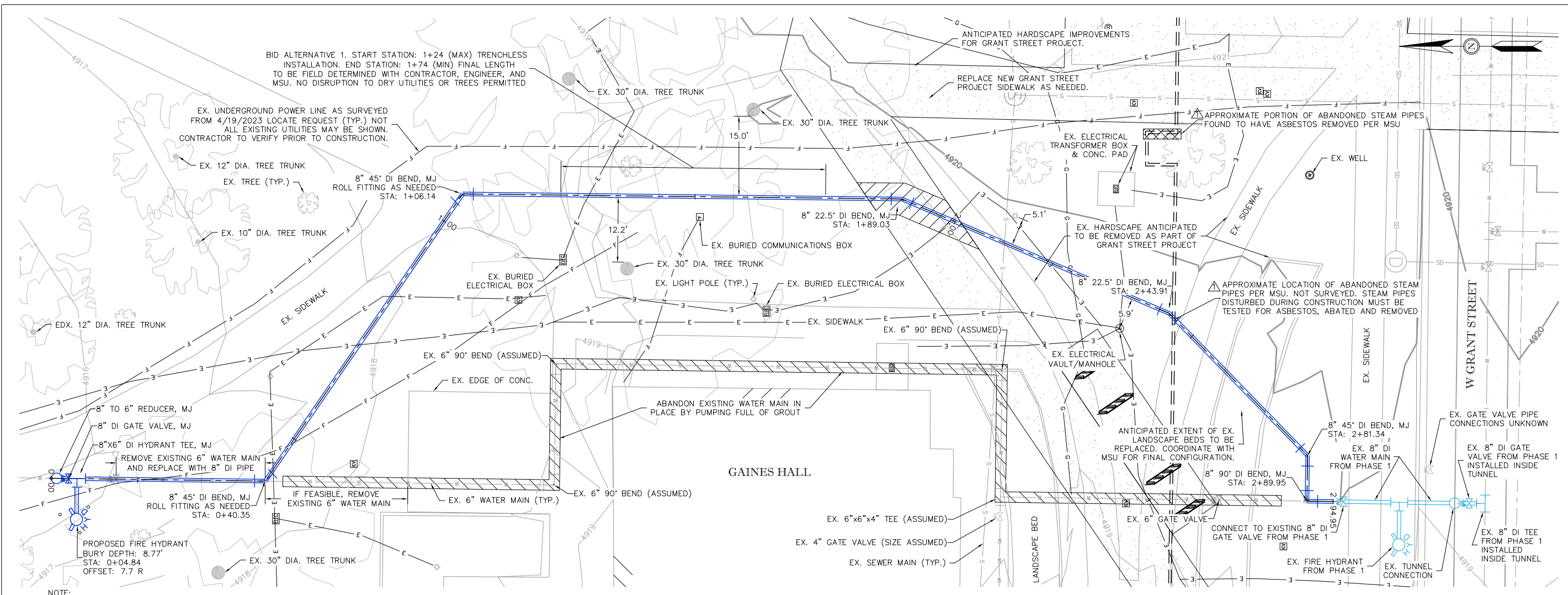
C2.1

SHEET

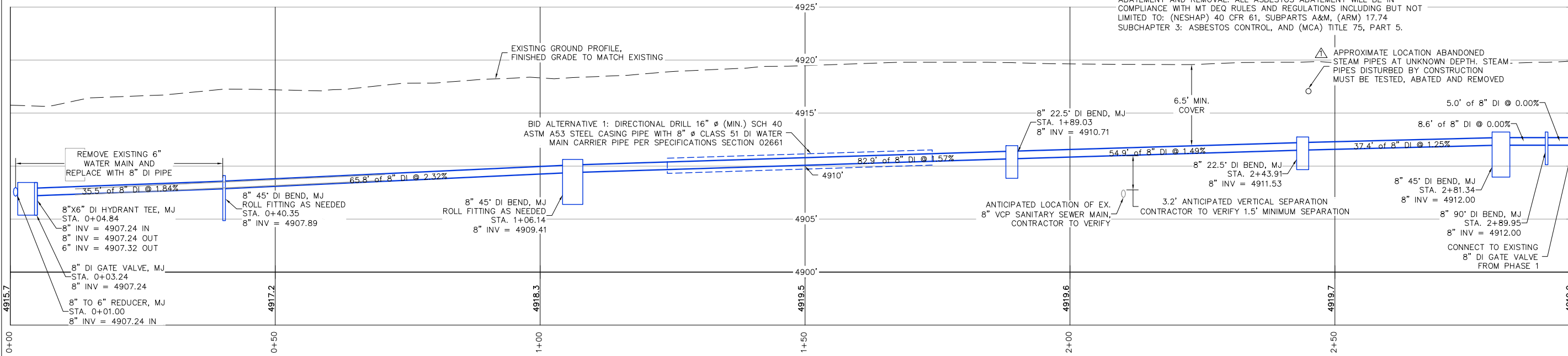
WATER MAIN PLAN & PROFILE

DATE

11/12/2024

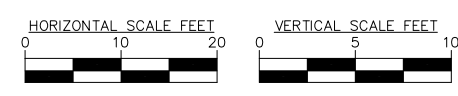


WATER MAIN - PLAN VIEW



WATER MAIN - PROFILE VIEW

- NOTES:**
- EXISTING WATER MAIN ELEVATIONS ARE APPROXIMATE AND WERE ESTIMATED BY SURVEYING ELEVATION OF TOP NUT OF VALVES WHERE THEY EXIST. TOP NUT TO INVERT AT VALVES ASSUMED TO BE 21". ALL EXISTING WATER MAIN WITHIN REPLACEMENT AREA IS ASSUMED TO BE 6" NOMINAL PIPE SIZE UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO VERIFY SIZES, MATERIAL, AND ELEVATIONS OF EXISTING FITTINGS AND PIPES, AND MAKE APPROPRIATE CONNECTIONS.
 - UNDERGROUND DRY UTILITIES ARE NOT SHOWN IN PROFILE VIEWS.
 - UNDERGROUND UTILITIES SHOWN IN PLAN VIEWS MAY NOT BE ALL INCLUSIVE.
 - CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES REGARDING ALL UTILITY CROSSINGS AND ANY POTENTIAL UTILITY CONFLICTS.
 - SEE SPECIFICATIONS ON CO.3 FOR PIPE MATERIAL REQUIREMENTS. ALL WATER MAIN TO BE ENCASED WITH V-BIO ENHANCED POLYETHYLENE.
 - REFER TO 3/C3.2 FOR JOINT RESTRAINT TABLE.



- BID ALTERNATIVE A. TRENCHLESS INSTALLATION:**
- TRENCHLESS INSTALLATION SHALL UTILIZE 16" Ø (MIN.) STEEL CASING PIPE AND 8" Ø CLASS 51 DI CARRIER PIPE WITH RESTRAINED JOINT INTEGRAL BELL.
 - TRANSITIONS BETWEEN PIPE TYPE SHALL BE INCIDENTAL TO THE WORK.
 - CONTRACTOR SHALL MAKE EVERY EFFORT TO PULL TRACER WIRE BACK THROUGH WITH PIPE.
 - START AND END STATIONS OF TRENCHLESS INSTALLATION INDICATE THE MINIMAL EXTENTS OF INSTALLATION WHERE NO SURFACE DISRUPTION IS ALLOWED. CONTRACTOR SHALL LOCATE PITS AS NEEDED OUTSIDE OF THE BOUNDS OF THESE STATIONS AS NECESSARY TO COMPLETE THE WORK.
 - CONTRACTOR SHALL PROVIDE SUBMITTAL DETAILING PROPOSED METHODS, MATERIALS, AND PLAN FOR TRENCHLESS INSTALLATION PRIOR TO THE PRE-CONSTRUCTION MEETING.
 - SEE PROJECT SPECIFICATIONS MANUAL SECTION 02661 FOR ADDITIONAL TRENCHLESS INSTALLATION REQUIREMENTS.

- NOTE: ACTUAL EXTENT OF IMPROVEMENTS MAY VARY BASED ON CONDITION OF THE EXISTING WATER MAIN. COORDINATE WITH AESI & MSU DURING EXCAVATION FOR EXTENT OF IMPROVEMENTS.**
- NOTES:**
- SAW-CUT EXISTING SIDEWALKS AT EXISTING JOINTS. THIS MAY REQUIRE A LARGER SAW-CUT THAN WHAT IS SHOWN.
 - COORDINATE WITH MSU FOR REMOVAL AND REPLACEMENT OF LANDSCAPE BEDS AND IRRIGATION IMPROVEMENTS.

NOTE: IT IS POSSIBLE THAT THE ABANDONED STEAM PIPES CROSSING THE PROPOSED WATER MAIN WILL HAVE ASBESTOS AND REQUIRE TESTING, ABATEMENT AND REMOVAL. ALL ASBESTOS ABATEMENT WILL BE IN COMPLIANCE WITH MT DEQ RULES AND REGULATIONS INCLUDING BUT NOT LIMITED TO: (NESHAP) 40 CFR 61, SUBPARTS A&M, (ARM) 17.74 SUBCHAPTER 3: ASBESTOS CONTROL, AND (MCA) TITLE 75, PART 5.

APPROXIMATE LOCATION ABANDONED STEAM PIPES AT UNKNOWN DEPTH. STEAM PIPES DISTURBED BY CONSTRUCTION MUST BE TESTED, ABATED AND REMOVED

Nov 12, 2024, 11:13 AM - Water Main Phase 2 Profile View - 2.dwg
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