



REQUEST FOR PROPOSAL
For
Pikes Peak Library District – Library 21c Water
Main Reroute

PIKES PEAK LIBRARY DISTRICT
Colorado Springs, CO

RFP # 490-24-03-21c

The Pikes Peak Library District (PPLD) invites contractors, with the qualifications as stated herein, to submit a response to a Request for Proposal (RFP) for the Library 21c, 1175 Chapel Hills Dr, for rerouting a 8" water main.

Proposal deadline is **2 p.m. MST on Tuesday, September 17**

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1. Terms & Condition

- 1.1. Purpose: PPLD is seeking proposals from qualified contractors experienced in underground pipe replacement for the Library 21c. Contractors must be able to certify they have the capabilities and resources to provide all services outlined in the statement of work for this project.
- 1.2. Interested Parties: All interested contractors that have the qualifications as stated herein are invited to submit a proposal in accordance with the terms, conditions, and specifications contained herein, in Exhibit A provided by Farnsworth Group Engineering. An electronic version of this document can be accessed at: <http://ppld.org/request-for-proposals>.
- 1.3. Point of Contact: Questions and requests for clarification must be sent via e-mail to Travis Keeton, interim Chief Facilities Management Officer, at tkeeton@ppld.org; CC: khoggatt@ppld.org & sdunkley@ppld.org. Please include the RFP number, title, and words “question” and/or “clarification” in the subject line of the e-mail.

Questions and requests without this subject identification may be considered routine emails and may not be promptly addressed.

All answers to questions and requests for clarification will be posted on the PPLD website: <http://ppld.org/request-for-proposals> .

Any PPLD response that is considered to be a change in terms, conditions, and specifications of this RFP will be published as an addendum. No communications of any kind may be considered as a change to the terms, conditions, and specifications in this RFP unless posted as a formal addendum on the link above.
- 1.4. Equal Opportunity: The Contractor agrees not to refuse to hire, discharge, promote, or demote, nor to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability.
- 1.5. Expenses: PPLD assumes no liability for payment of expenses incurred by proposers in the preparation and submission of proposals in response to this invitation.
- 1.6. Conflict of Interest: Any contractual relationship with any PPLD personnel in the twelve (12) months preceding the distribution of this RFP, or any similar or potential conflicts of interest, may, at the sole discretion of PPLD, be grounds for rejection of the proposal and/or termination of any contract awarded
- 1.7. Independent Contractor: The Contractor is an independent contractor. Notwithstanding any provision appearing in this RFP, all personnel assigned by the Contractor to perform work under the terms of this RFP and any subsequent agreement shall be, and remain at all times, employees or agents of the Contractor for all purposes. The Contractor shall make no representation that it is the employee of PPLD for any purpose.
- 1.8. Immigration Clause: The Contractor is aware of Colorado’s Immigration /Illegal alien laws pertaining to public contracts. Addendum C - Immigration Clause for Contracts (Colorado Statute 8-17.5-102) must be signed and attached.
- 1.9. General Requirements: PPLD reserves the right to amend this RFP up to seven (7) business days prior to the date set for receipt of proposals. In addition, PPLD may extend deadlines or withdraw this RFP at any time prior to an award.
- 1.10. Tax Exemption: PPLD, as a local government entity, is **exempt from sales and use taxes**. Contractors will inform all prospective subcontractors and suppliers, as necessary, from whom they expect to obtain services or supplies of the tax-exempt status of PPLD. Following the contract award, PPLD will furnish tax exemption certificate(s) to the Contractor.
- 1.11. Governing Law: The laws of the State of Colorado shall govern any contract executed between the successful proposer and PPLD. Further, the place of performance and transaction of business shall be

deemed to be in the County of El Paso, State of Colorado, and in the event of litigation, the exclusive venue and place of jurisdiction shall be the State of Colorado, and more specifically, El Paso County, Colorado.

1.12. RFP Schedule:

RFP released	Monday August 19
Mandatory Pre-bid Conference and site walk.....	Monday, August 26 at 9 am
Deadline for final questions	Friday, August 30 at 2 pm
Deadline to return answered questions	Tuesday, September 3
Proposals due	Tuesday, September 17 at 2 pm
Board Review and Decision.....	Wednesday, October 16 at 5 pm
Award Notification	on or before Friday, October 18

2. Proposal Submission, Selection, and Contract Formation

2.1. Proposal Submission

2.1.1. Substantive proposals: By submitting a proposal, the proposer guarantees that (a) its proposal is genuine and is not made in the interest of, or on behalf of, any undisclosed person, Contractor, or corporation; (b) it has not directly or indirectly induced or solicited any other respondent to put in a false or sham bid; (c) it has not solicited or induced any other person, Contractor, or corporation from proposing; (d) it has not sought by collusion to obtain for itself any advantage over any other proposer or over PPLD.

2.1.2. Submission Information and Documents: The proposal must be comprehensive and address all RFP requirements. To assure that the information provided can be readily identified, the proposal must include, but not limited to, the submission of the following signed documents:

2.1.2.1. Addendum A - PROPOSAL COVER SHEET

2.1.2.2. Addendum B - CHECKLIST, QUESTIONNAIRE, AND PRICING

Contractor is required to submit a response for each numbered or lettered item of Addendum B, the response must be in the same format and sequence as in the RFP. The response must include description, schedules, when required, and any additional clarifying information, such as appendices, charts, diagrams, etc..

2.1.2.3. Addendum C – IMMIGRATION CLAUSE FOR CONTRACTS

2.1.2.4. List of exceptions or deviations (if any)

2.1.2.5. Exhibit A – Engineered Plans

2.1.3. Signatures: The proposal must be signed by an officer of the proposing Contractor.

2.1.4. Exceptions and Deviations: Any exception to or deviations from these Terms & Conditions must be identified, in writing, on an attachment to the proposal submission. PPLD reserves the right to accept or reject, at its sole discretion, any exceptions or deviations by the proposer.

2.1.5. Integration with Contract: The winning proposal will be included and integrated into the final contract documents.

2.1.6. Proposal Submission: Proposals are to be submitted electronically or in sealed envelopes, identified with the proposal number and title with all attachments. See the RFP Schedule above for due dates. Contractors must submit three (3) hard copies and (1) soft copy (i.e., flash drive, magnetic media, etc.) of the Proposal to:

Pikes Peak Library District
Attn: Kim Hoggatt
Finance Office
RFP # 490-24-01-EA
1175 Chapel Hills Drive,
Colorado Springs, CO, 80920

Additional copies may be requested by Pikes Peak Library District. Pikes Peak Library District is not liable for any cost incurred by prospective respondents prior to the issuance of contract(s).

The deadline (Contractor) is **Tuesday, September 17 no later than 2 p.m.** local time. Proposals delivered after that time will be received but will be rejected for being late.

A complete submission includes all required components, as stated in this document.

2.1.7. Duration of Proposal Offer: Price offers are irrevocable for 90 days following the proposal due date. Once a proposal is accepted, all prices, terms and conditions will remain unchanged throughout the contract period unless specifically agreed otherwise by both PPLD and the successful Contractor through documented change orders.

2.1.8. Withdrawal of Proposal: A Proposer may withdraw its own proposal at any time prior to the proposal due date and time as identified herein. After that date and time, no proposal may withdraw its proposal for any reason. All proposals shall be valid for a period not less than 90 calendar days after the proposal due date.

2.1.9. Information to Contractors:

2.1.9.1. No proposal shall be accepted from, and no contract will be awarded to any person, Contractor or corporation that is deemed irresponsible or unreliable by PPLD. If requested, Contractors will submit satisfactory evidence that they have a practical knowledge of the service bid upon and that they have the necessary financial resources to provide the proposed service called for as described in this Request for Proposal.

2.1.9.2. PPLD reserves the right to investigate the Contractor's financial stability. This may include reviewing financial statements, checking bank reference, and interviewing past contractors, employees, and creditors. Unfavorable responses to these investigations are grounds for rejection of the proposal.

2.1.10. Confidentiality: All materials submitted in response to this RFP become the property of PPLD, upon delivery.

Proposals are public information. If a contractor submits proprietary information, the contractor will label each proprietary page as "CONFIDENTIAL" and submit it in a separate package so PPLD will not release any information marked as Confidential.

2.1.11. Subcontracting: The Contractor must be responsible for the performance of all of its sub-contractors, and consultants. The use of specific subcontractors and consultants is subject to the approval of PPLD. The Contractor is responsible for ensuring that all sub-contractors and consultants comply with all the terms of the Contractor's contract with PPLD.

If the Contractor uses subsidiary companies, explain their role and how they will be involved in this project.

2.1.12. Insurance Requirements: The successful proposer shall have, at the minimum, the following coverage: commercial general liability, automobile liability, excess liability, and worker's compensation liability. The Contractor shall submit in their proposals, ACORD certificates and/or other proof of the following insurances:

2.1.12.1.	General Liability	\$1,000,000
2.1.12.2.	Automobile Liability	\$1,000,000
2.1.12.3.	Excess (umbrella) Liability	\$1,000,000
2.1.12.4.	Per Truck	\$100,000
2.1.12.5.	Per Occurrence	\$1,000,000
2.1.12.6.	Worker's Compensation liability that meets statutory requirements.	

2.1.13. Indemnification: The proposer agrees to, and shall, defend, release, and indemnify, and save and hold harmless PPLD, its officer, agents, and employees from and against any and all damages to property or injuries to or death of any person or persons, including property and officers, employees, and agents of PPLD, and further agrees to, and shall, defend, indemnify, and save and hold harmless PPLD, its officers, agents, and employees, from and against any and all claims, costs, demands, liabilities, suits, actions, causes of action, and other legal or equitable proceedings of any kind or nature whatsoever, of or by anyone whomsoever, including, but not limited to claims arising out of and/or predicated upon negligence, breach of contract, tort, or strict liability, in any way resulting from, connected with, or arising out of the Contractor's operations or performance in connection herewith, including operations or performance of sub-contractors and suppliers and acts or omissions of officers, employees, or agents of the Contractor or its sub-contractors or suppliers.

2.1.14. Schedule: By submitting a proposal, the proposer guarantees that it will be able to comply with the agreed upon, overall schedule.

2.1.14.1. **Anticipated sitework for this proposal to be completed as soon as possible.**

2.1.15. Continuity: By submitting a proposal, the proposer will make its best efforts to ensure that the key team member(s) remain assigned to the PPLD’s project for the duration of contract. Any changes to the staffing of this engagement must be discussed up front with PPLD personnel.

2.2. Selection

2.2.1. Right of Acceptance and Rejection: PPLD reserves the right to accept or reject any or all proposals and to waive any formalities, informalities, and deviations, which, in its opinion, best serve the interests of PPLD. PPLD is not bound to accept the lowest price proposal.

2.2.2. Selection: It is the intent of PPLD to select only responsible and responsive Contractors. Bidder’s proposal should include the most favorable terms and conditions.

2.2.3. Negotiation: PPLD reserves the right to negotiate terms and conditions of the contract with the winning Contractor.

2.2.4. Basis of Award: An evaluation team will judge the merit of proposals received in accordance with the general criteria defined within this RFP. The recommendations of this team will be forwarded to the Board of Trustees for approval and execution. The following criteria will be taken into consideration when making evaluations of proposals. This list is not intended to be exhaustive nor ranking in order of importance:

2.2.4.1. Completeness of Proposal

2.2.4.2. References

2.2.4.3. Pricing

2.2.4.4. Quality of Services

2.2.4.5. Contractor Qualifications and History

2.2.4.6. Any other items deemed in the best interests of PPLD

2.2.4.7. Bid scoring below:

Bid Completeness	20%
Company/ Personnel Experience	20%
References	20%
Pricing	40%
Total	100%

2.3. Contract Formation

2.3.1. Agreement in Writing: Following selection of a proposal, the Contractor will be required to enter into a written contract with PPLD. American Institute of Architects (AIA) Contract A110 Owner and Contractor is preferred.

The winning Bidder’s RFP proposal will be included and integrated into the final contract documents. It is in the Bidder’s best interest to ensure the proposal is accurate to allow for the integration with minimal changes.

If you have a formal or standard contract that you typically use with such projects, please attach a copy to your Proposal. A Service Agreement is not a condition of accepting an RFP.

If, in PPLD’s sole discretion, the selected proposer has not executed the contract documents within a reasonable time after selection, PPLD reserves the right to rescind the award and select another Contractor.

2.3.2. Amendments to Contract: Parties hereto reserve the right to make amendments or modifications to the contract by written amendment signed by both parties.

2.3.3. Termination of Contract for Cause: If, through any cause, the successful Bidder shall fail to fulfill in a timely and proper manner its obligations or if the successful Bidder shall violate any of the covenants,

agreements, or stipulations of the Contract, PPLD shall thereupon have the right to terminate the Contract by giving written notice to the successful Bidder of such termination and specifying the effective date of termination. In that event, all finished or unfinished services, reports or other materials prepared by the successful Bidder shall, at the option of PPLD, become its property, and the successful Bidder shall be entitled to receive just, equitable compensation for any satisfactory work completed, prepared documents or materials as furnished. Notwithstanding the above, the successful Bidder shall not be relieved of liability to PPLD for damage sustained by PPLD by virtue of breach of the Contract by the successful Bidder and PPLD may withhold any payments to the successful Contractor for the purpose of set off until such time as the exact amount of damages due PPLD from the successful Bidder is determined.

2.3.4. Termination of Contract for Convenience: PPLD may terminate the Contract at any time by giving written notice to the successful Contractor of such termination and specifying the effective date thereof, at least thirty (30) working days before the effective date of such termination. In that event, all finished or unfinished services, reports, material(s) prepared or furnished by the successful Bidder under the Contract shall, at the option of PPLD, become its property.

2.3.5. Cancellation: Either party may cancel the Contract in the event that a petition, either voluntary or involuntary, is filed to declare the other party bankrupt or insolvent or in the event that such party makes an assignment for the benefit of creditors.

3. Scope of Work

3.1. Service Specifications provided by Farnsworth Group Engineering

3.2. Add alternate to Option 2 to quote price to perform drilling under pavement and concrete surfaces opposed to taking up material and replacing.

3.2. Awarded contractor shall coordinate with subcontractors to return the drive lane to its current status.

3.3. Awarded contractor shall coordinate schedules with Facilities Project Manager.

3.4. All work shall be done to the highest of industry quality and be in general accordance with Pikes Peak Rural Transportation Authority and/or City of Colorado Springs standards for roadway construction and the Pikes Peak Regional Building Department.

3.5. **All piping must be tested for leaks prior to any backfill and pit covering.**

3.6. The successful proposer shall be required to furnish all permits, equipment, tools, machinery, transportation, and other implements necessary to fulfill the provisions of this Contract. This includes but is not limited to all procurement and contracting requirement specifications included within.

3.7. Environmental risks are to be addressed throughout the project. The use of safety cones, caution tape, rock socks, traffic control, traffic control permits, as necessary.

3.8. No non-employees, employee's significant others, employee's children, or employee's pet(s) shall be permitted on the jobsite, by the Contractor or any others, during the performance of this contract.

3.9. Requirement of company to provide and maintain a lockable portable toilet for construction workers use during the duration of the project

4. **Contractor Qualification and Information**

The following information and documents must be included in submitted proposal:

4.1. Provide the name of the proposing Contractors, address, telephone and primary contact person.

4.2. State the size of the Contractor and provide a history summary.

4.3. Your organization's qualifications and experience. If you have experience with PPLD Libraries, describe your current or past relationship. Describe any similar projects performed by your organization.

4.4. Provide references from minimum three (3) recent similar projects including name, telephone number and a brief statement describing their association with your Contractor (e.g., other library, educational or public sector clients). References from Colorado are preferred.

- 4.5. Provide resumes of the certified team members that will be assigned to this project and include their specific responsibilities.
- 4.6. Any other information you feel should be considered in the selection process.

5. Pricing

- 5.1. Minimum Services: PPLD is looking for the best-value proposal that meets the needs of the district to include all cost aspects of service. Please include:
 - 5.1.1. Lump Sum and unit costs, to include but not limited to travel, accommodations, reimbursables, and plan completion.

ADDENDUM A - PROPOSAL COVER SHEET

I. GENERAL INFORMATION

1. CONTRACTOR NAME _____

2. ADDRESS _____

3. PHONE _____

5. E-MAIL AND WEBSITE _____

6. CONTACT _____

II. STATEMENT OF MINIMUM QUALIFICATION

I, _____ (printed name) hereby declare

that I am the _____ (title) of

_____ (name of Contractor) submitting this profile and declaration, and that I am duly authorized to sign this profile and declaration on behalf of the above named Contractor. All information set forth in this profile and declaration and all attachments hereto are, to the best of my knowledge, true, accurate, and complete as of the submission date.

The signer further certifies that (please initial):

- a. _____ The Contractor has carefully examined all instructions, requirements, specifications, and terms and conditions of the RFP for which this proposal is submitted. The Contractor understands all instructions, requirements, specifications, and terms and conditions of this RFP, and hereby offers and proposes to furnish the goods and services described herein at the prices, fees, and/or rates identified in this proposal, in accordance with the instructions, requirements, specifications, and terms and conditions of this RFP.
- b. _____ This proposal is a valid and irrevocable offer that will not be revoked and shall remain open for the PPLD's acceptance for a period of ninety (90) calendar days from the proposal due date.
- c. _____ The Contractor is in full compliance with all applicable federal, state, and local laws, rules, regulations, and ordinances governing business practices.
- d. _____ All statements, information, and representations prepared and submitted in this proposal are current, complete, true, and accurate.

- e. _____ Submission of this proposal indicates the signer’s acceptance of the evaluation technique and that some subjective judgments may be made by PPLD as part of the evaluation.
- f. _____ The Contractor has to provide proof of all required insurance coverage.
- g. _____ A list of exceptions and deviations (if any) is attached.
- h. _____ There have been no claims, litigation, or other issues filed or pending against our Contractor in the past 5 years except as listed below.

- i. _____ The Contractor is aware of Colorado’s Immigration / illegal alien laws pertaining to public contracts. Addendum C (Colorado Statutes 8-17.5 – 102) is signed and attached.

Authorized Signature

Date

ADDENDUM B - CHECKLIST, QUESTIONNAIRE, AND PRICING FORM

QUALIFICATIONS (Fill in or attach additional pages as needed):

A. SIZE and AGE of Contractor _____

B. CONTRACTOR'S EXPERIENCE:

1. Qualifications:

1.1. List location, owner, and completion date of at least three (3) projects with similar scope.

Company Name: _____ Contact Name: _____
Address: _____ Phone: _____
Scope of service performed: _____

Company Name: _____ Contact Name: _____
Address: _____ Phone: _____
Scope of service performed: _____

Company Name: _____ Contact Name: _____
Address: _____ Phone: _____
Scope of service performed: _____

2. Pricing

Provide **lump sum** and **hourly rate** information as requested. All costs stated shall be "complete" costs to include travel, accommodations, reimbursables and plan completion, OH&P, applicable taxes, permits as required.

Project Cost: _____

Hourly Rates: Provide list with proposal package.

3. Projected start date and duration of installation:

Indicate your projected scheduling of this work with milestones.

Anticipated Start Date: _____ **Anticipated Completion Date:** _____

4. Indicate Preferred payment schedule:

Submittal of this bid form implies that the Contractor can adequately staff and schedule all work at the required time and has the resources available to procure all required materials at the required time. All costs indicated shall be maintained by the Contractor for not less than 30 days from the submittal date and shall be maintained throughout the duration of the contract after award.

ADDENDUM C - IMMIGRATION CLAUSE FOR CONTRACTS

Pursuant to Colorado Revised Statutes Section 8-17.5-102, the Pikes Peak Library District (“PPLD”) shall not enter into or renew a public contract for services with a contractor who knowingly employs or contracts with an illegal alien to perform work under the contract or who knowingly contracts with a sub-contractor who knowingly employs or contracts with an illegal alien to perform work under the contract.

Accordingly, Contractor agrees that it shall not:
Knowingly employ or contract with an illegal alien to perform work under this Agreement; or
Enter into a contract with a subcontractor for work under this Agreement that fails to certify to the Contractor that the sub-contractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement.

Further, Contractor agrees that it shall comply with the following:
Contractor has the employment eligibility for all employees who are newly hired for employment to perform work under this Agreement through participation in either the e-verify program administered jointly by the U.S. Department of Homeland Security and the Social Security Administration (the “E-Verify Program”) or the department program administered by the Colorado Department of Labor and Employment (the “Department Program”).

Contractor shall not use the E-Verify Program or the Department Program procedures to undertake pre-employment screening of job applicants while the services under this Agreement are being performed.
Should Contractor obtain actual knowledge that a sub-contractor performing work under this Agreement knowingly employs or contracts with an illegal alien, the Contractor shall:
Notify the sub-contractor and PPLD within three days that Contractor has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and

Terminate the sub-contract with the sub-contractor if, within three days of receiving the notice, the subcontractor does not stop employing or contracting with the illegal alien; except that Contractor shall not terminate the contract with the subcontractor if, during such three days, the sub-contractor provides information to establish that the sub-contractor has not knowingly employed or contracted with an illegal alien.

Contractor shall comply with any reasonable request by the Colorado Department of Labor and Employment (the “Department”) made in the course of an investigation that the Department may undertake pursuant to its authority under Colorado Revised Statutes Section 8-17.5-102(5).

Authorized Signature

Date

PIKES PEAK LIBRARY DISTRICT WATERMAIN REROUTE

Project Location

LOT 2, LOCATED IN THE NORTHWEST QUARTER OF SECTION 04, TOWNSHIP 13 SOUTH, RANGE 66 WEST, OF THE 6TH PRINCIPAL MERIDIAN, TOWN OF COLORADO SPRINGS, EL PASO COUNTY, STATE OF COLORADO

INDEX OF DRAWINGS

SHEET NUMBER	SHEET TITLE
C000	COVER SHEET
C001	GENERAL NOTES
V101	TOPOGRAPHIC SURVEY
C101	WATERLINE PLAN AND PROFILE OPTION 1
C102	WATERLINE PLAN AND PROFILE OPTION 2
C501	WATER DETAILS
C502	WATER DETAILS
C503	EROSION CONTROL DETAILS

LOCATION MAP



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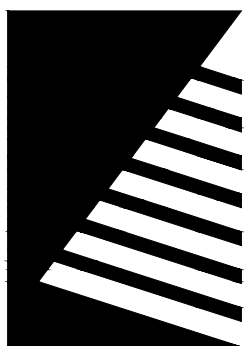
PROJECT NO.: 0241083.00



DATE: 07/26/2024

100% FINAL - FOR CONSTRUCTION
PPLD WATERMAIN REROUTE

PIKES PEAK LIBRARY DISTRICT

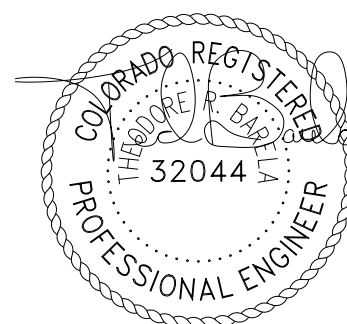


Farnsworth GROUP

223 WILLOW STREET
FORT COLLINS, COLORADO 80524
(970) 484-7477 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:



Project Status
FOR CONSTRUCTION

PROJECT:
PIKES PEAK LIBRARY DISTRICT

WATERMAIN REROUTE

1175 CHAPEL HILLS DR

DATE: 7/26/2024

DESIGNED: TRB

DRAWN: ACS

REVIEWED: TRB

FIELD BOOK NO.:

SHEET TITLE:


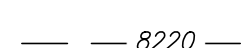
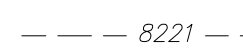
TOPOGRAPHIC SURVEY

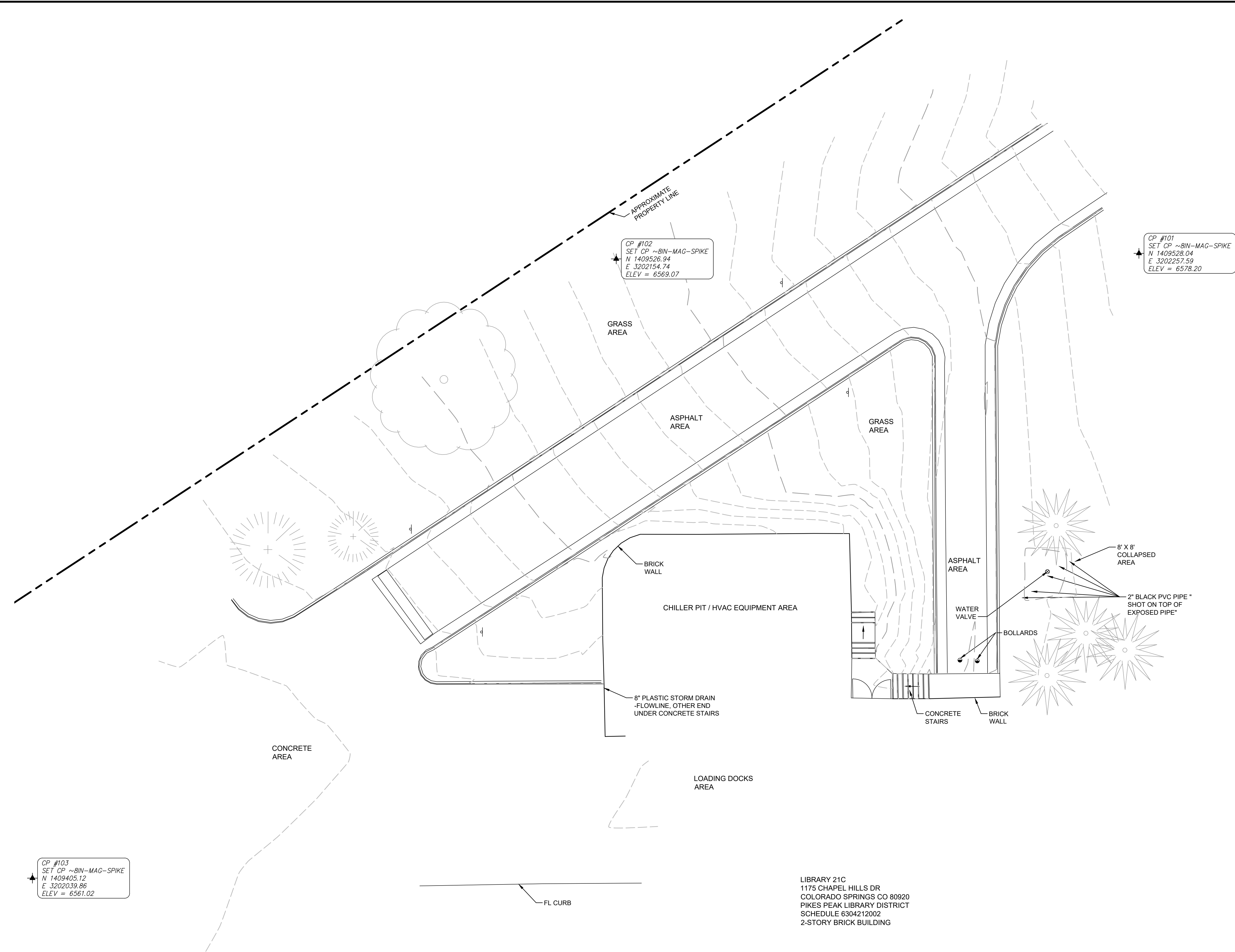
SHEET NUMBER:

V101

PROJECT NO.: 0241083

LEGEND

-  SIGN
-  8220 EXISTING MAJOR CONTOUR
-  8221 EXISTING MINOR CONTOUR

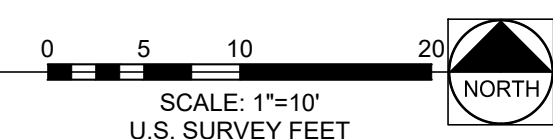


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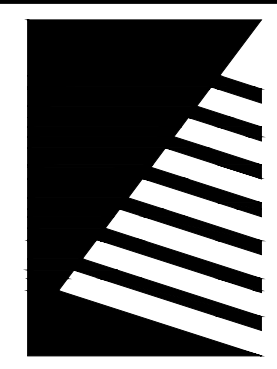
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1 TOPOGRAPHIC SURVEY
SCALE: 1"=10'



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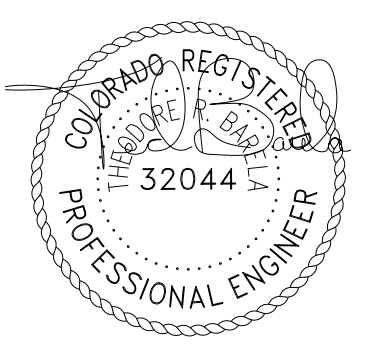


Farnsworth GROUP

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FORT COLLINS, COLORADO 80524
(970) 484-7477 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:



PROJECT:
PIKES PEAK LIBRARY DISTRICT

WATERMAIN REROUTE

1175 CHAPEL HILLS DR

DATE: 7/26/2024

DESIGNED: TRB

DRAWN: ACS

REVIEWED: TRB

FIELD BOOK NO.:

SHEET TITLE:

WATERLINE PLAN AND PROFILE OPTION 1

SHEET NUMBER:

C101

PROJECT NO.: 0241083

LEGEND

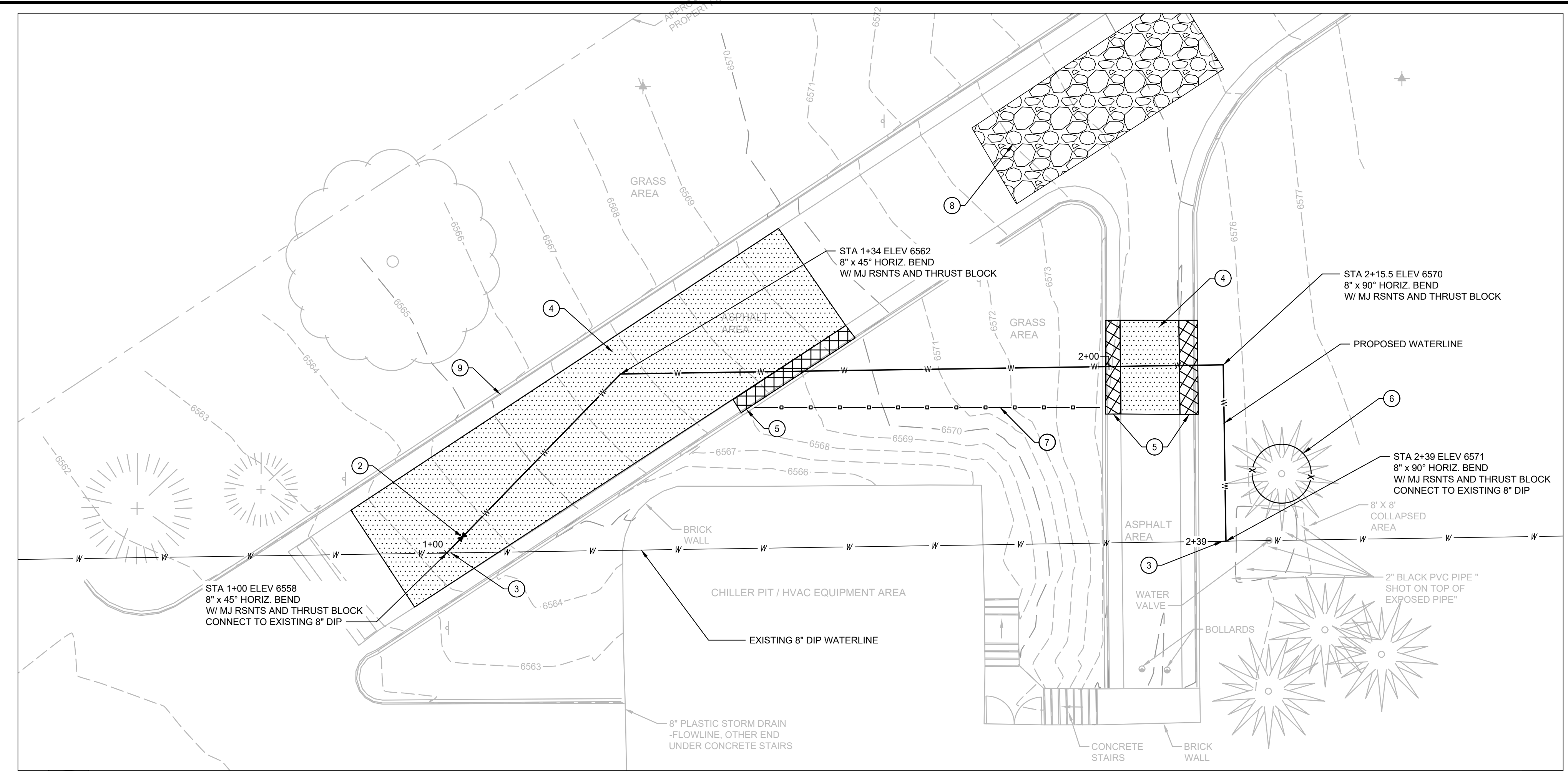
- HOT MIX ASPHALT (HMA) REPLACEMENT
- CURB AND GUTTER REPLACEMENT
- TREE PROTECTION FENCE
- SILT FENCE
- WATERLINE
- GATE VALVE AND BOX
- VEHICLE TRACKING CONTROL

KEYNOTES

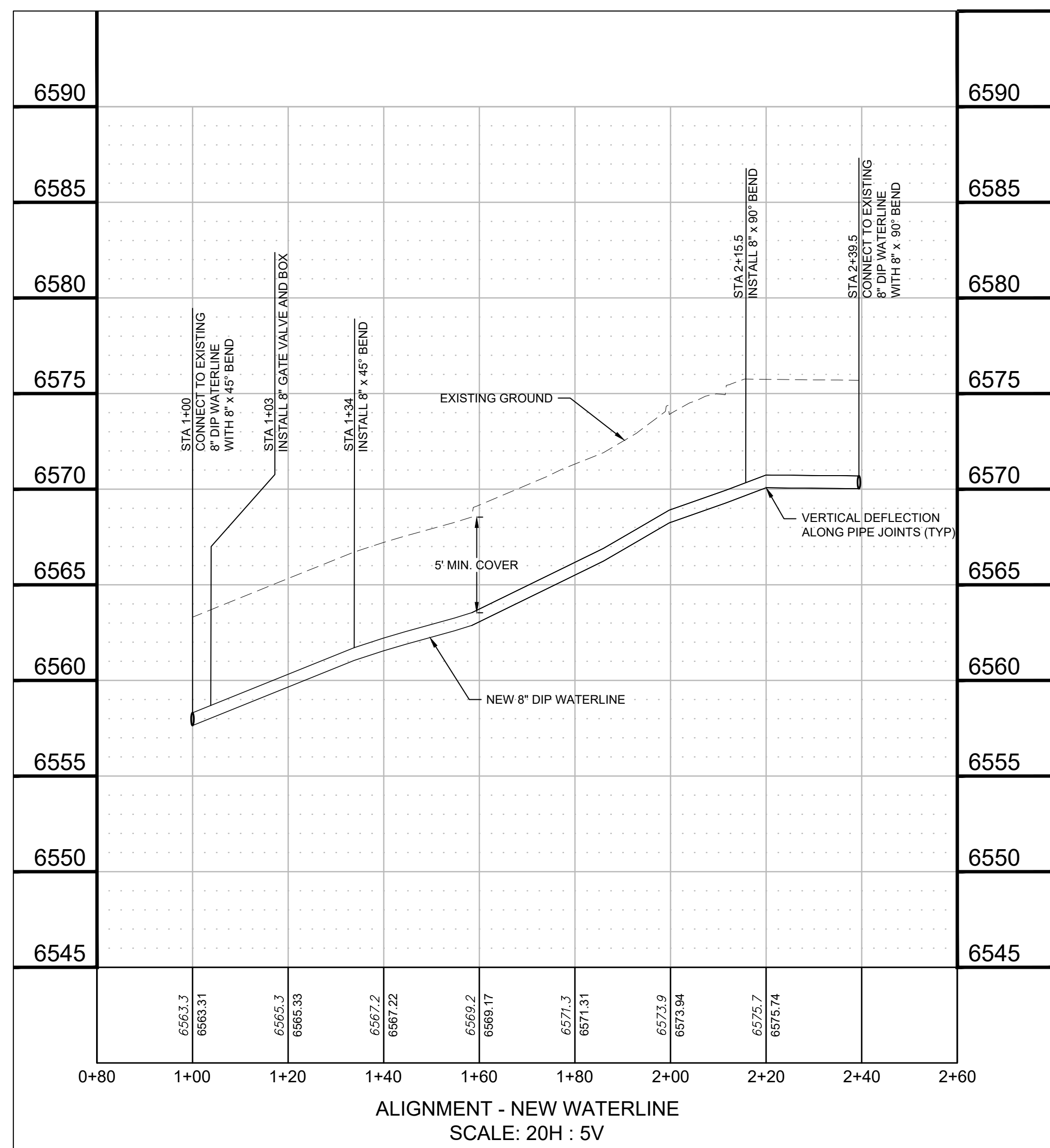
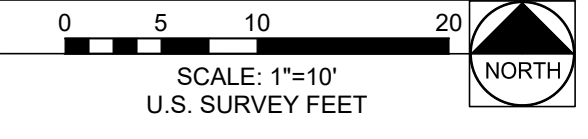
- 1 8" DUCTILE IRON PIPE (DIP) WATERLINE, SEE DETAILS ON SHEET C501
- 2 8" GATE VALVE AND BOX, SEE DETAILS ON SHEET C501
- 3 CAP AND PLUG EXISTING 8" DIP WATERLINE TO BE ABANDONED IN PLACE
- 4 CUT AND PATCH EXISTING ASPHALT PAVEMENT WITHIN PAVEMENT TRENCH AREA WITH 6" FULL DEPTH HOT MIX ASPHALT (HMA), CDOT GRADE 5. PLACE 2" MILL AND OVERLAY, CDOT GRADE 5X, ON FINAL LIFT WITHIN PAVEMENT TRENCH AREA AND FULL DRIVE LANE WIDTH AS SHOWN
- 5 REMOVE AND REPLACE CURB AND CUTTER IN KIND
- 6 PLACE TEMPORARY 48" ORANGE TREE PROTECTION FENCE
- 7 PLACE TEMPORARY SILT FENCE, SEE DETAIL 1 ON SHEET C502
- 8 PLACE TEMPORARY VEHICLE TRACKING CONTROL, SEE DETAIL 2 ON SHEET C502
- 9 PROTECT EXISTING CURB AND GUTTER TO REMAIN INTACT

GENERAL NOTES

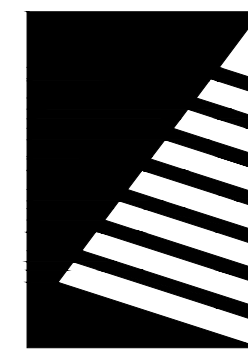
1. CONTRACTOR SHALL COORDINATE WITH PIKES PEAK LIBRARY DISTRICT (PPLD) FACILITIES SUPERVISOR, RICH EGAN, AT 719-243-0556(C) OR REGAN@PPLD.ORG REGARDING CONSTRUCTION SCHEDULE, WATER SHUT-OFF, AND ANY POSSIBLE WATER OUTAGES AT LEAST 3 DAYS PRIOR TO OUTAGE.
2. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION. SUBMIT PLAN TO PPLD ONE WEEK PRIOR TO CONSTRUCTION.
3. OPEN TRENCHES SHALL NOT BE PERMITTED OUTSIDE OF NORMAL CONSTRUCTION AND BUSINESS HOURS.



1 EXISTING AND PROPOSED WATERLINE PLAN
SCALE: 1"=10'



I:\mather\1_2024\0241083\00 - PLOD - Watermain Reroute\04_Drawing\DWG\C101 - WATERLINE PLAN AND PROFILE.dwg | 7/26/2024 10:12 AM |



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ISSUE:
DATE: DESCRIPTION:

LEGEND

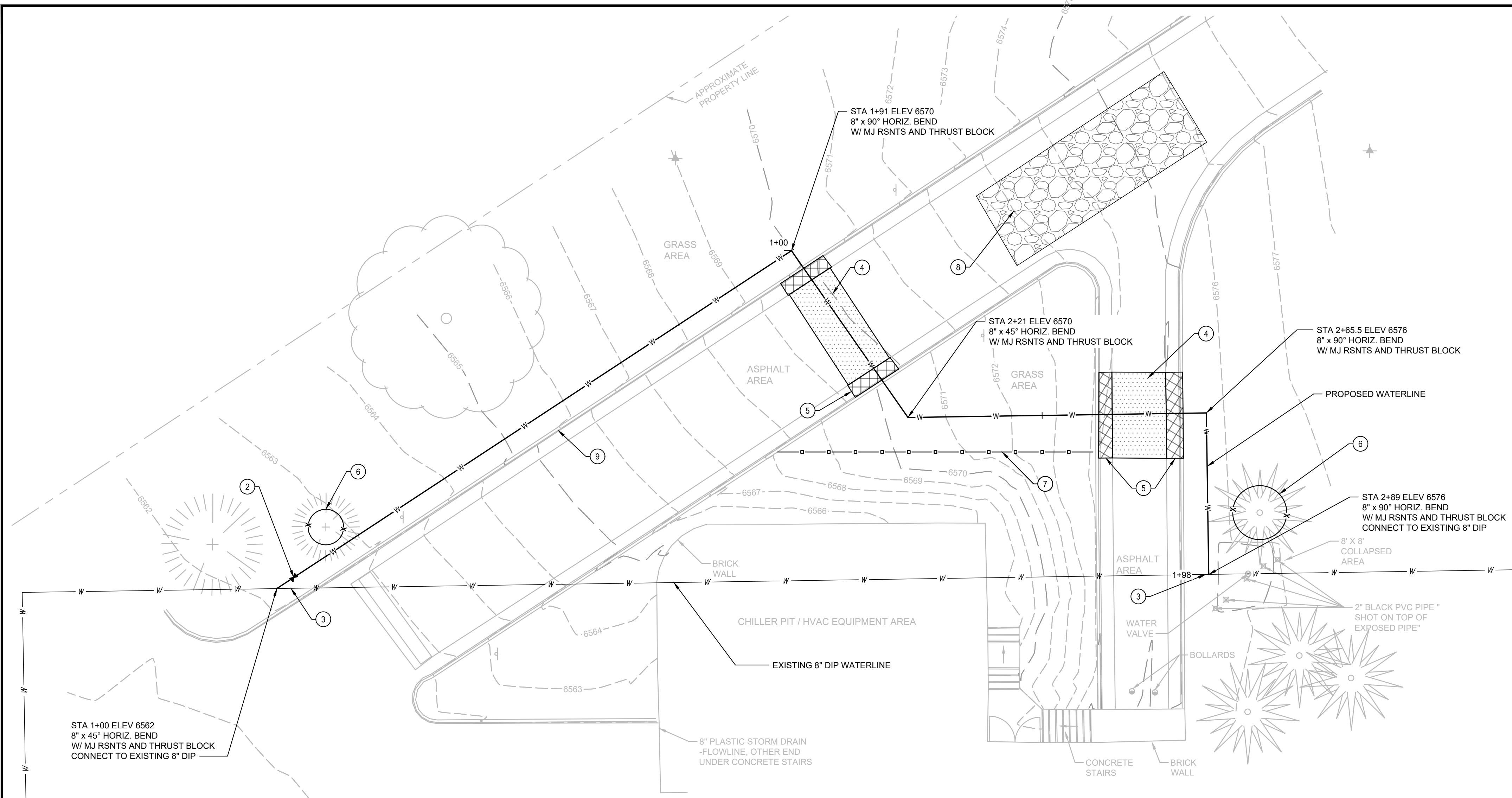
- HOT MIX ASPHALT (HMA) REPLACEMENT
- CURB AND GUTTER REPLACEMENT
- TREE PROTECTION FENCE
- SILT FENCE
- WATERLINE
- GATE VALVE AND BOX
- VEHICLE TRACKING CONTROL

KEYNOTES

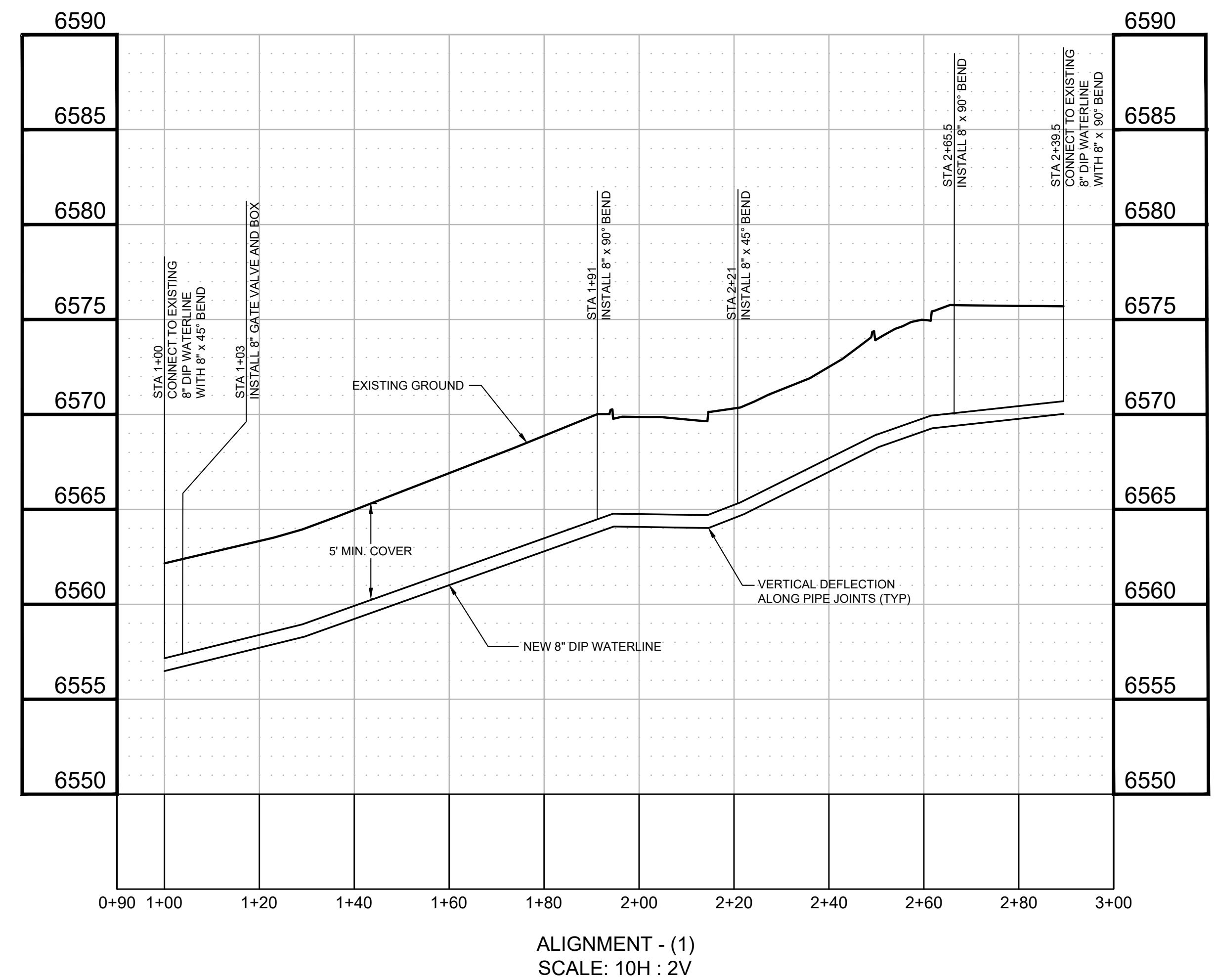
- ① 8" DUCTILE IRON PIPE (DIP) WATERLINE. SEE DETAILS ON SHEET C501
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- ⑤ REMOVE AND REPLACE CURB AND CUTTER IN KIND
- ⑥ PLACE TEMPORARY 48" ORANGE TREE PROTECTION FENCE
- ⑦ PLACE TEMPORARY SILT FENCE. SEE DETAIL 1 ON SHEET C502
- ⑧ PLACE TEMPORARY VEHICLE TRACKING CONTROL. SEE DETAIL 2 ON SHEET C502
- ⑨ PROTECT EXISTING CURB AND GUTTER TO REMAIN INTACT

GENERAL NOTES

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2. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION. SUBMIT PLAN TO PPLD ONE WEEK PRIOR TO CONSTRUCTION.
3. OPEN TRENCHES SHALL NOT BE PERMITTED OUTSIDE OF NORMAL CONSTRUCTION AND BUSINESS HOURS.



1 WATERLINE PLAN VIEW
SCALE: 1"=10'



ALIGNMENT - (1)
SCALE: 10H : 2V



PROJECT:
PIKES PEAK LIBRARY DISTRICT

WATERMAIN REROUTE

1175 CHAPEL HILLS DR
DATE: 7/26/2024
DESIGNED: TRB
DRAWN: ACS
REVIEWED: TRB
FIELD BOOK NO.:

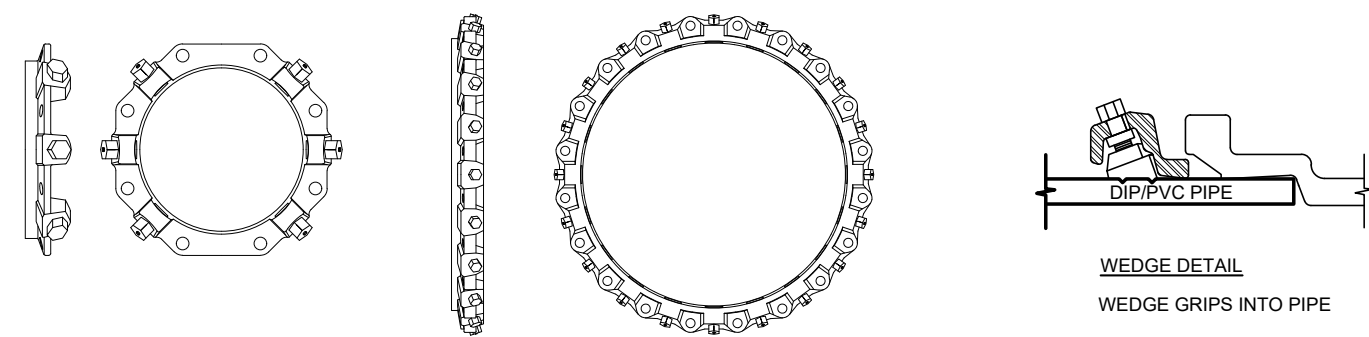
WATERLINE PLAN AND PROFILE OPTION 2

SHEET NUMBER:

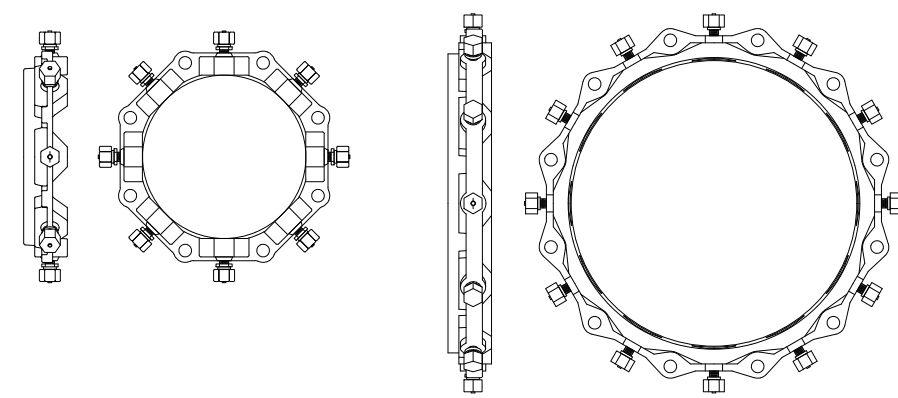
C102

PROJECT NO.: 0241083

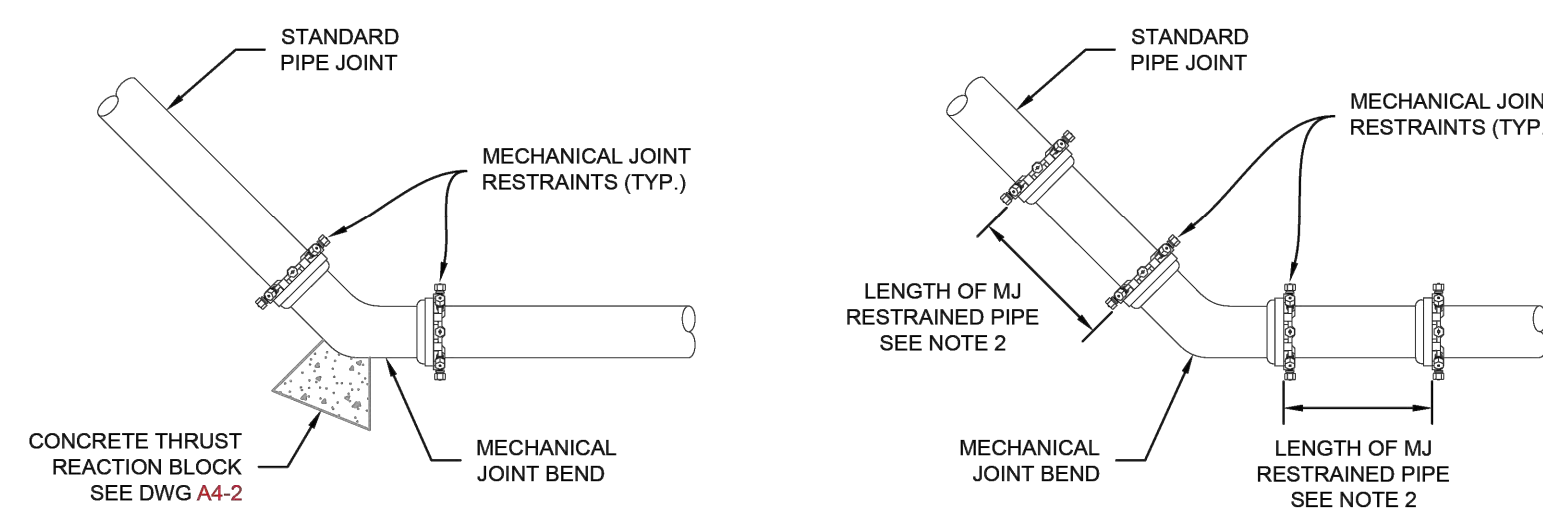
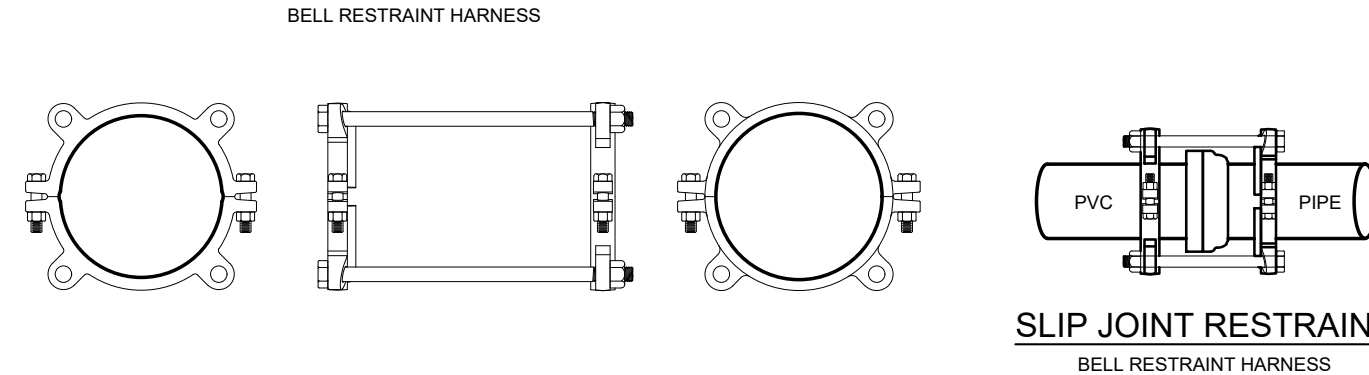
DUCTILE IRON MECHANICAL JOINT (M.J.) RESTRAINTS



PVC MECHANICAL JOINT (M.J.) RESTRAINTS

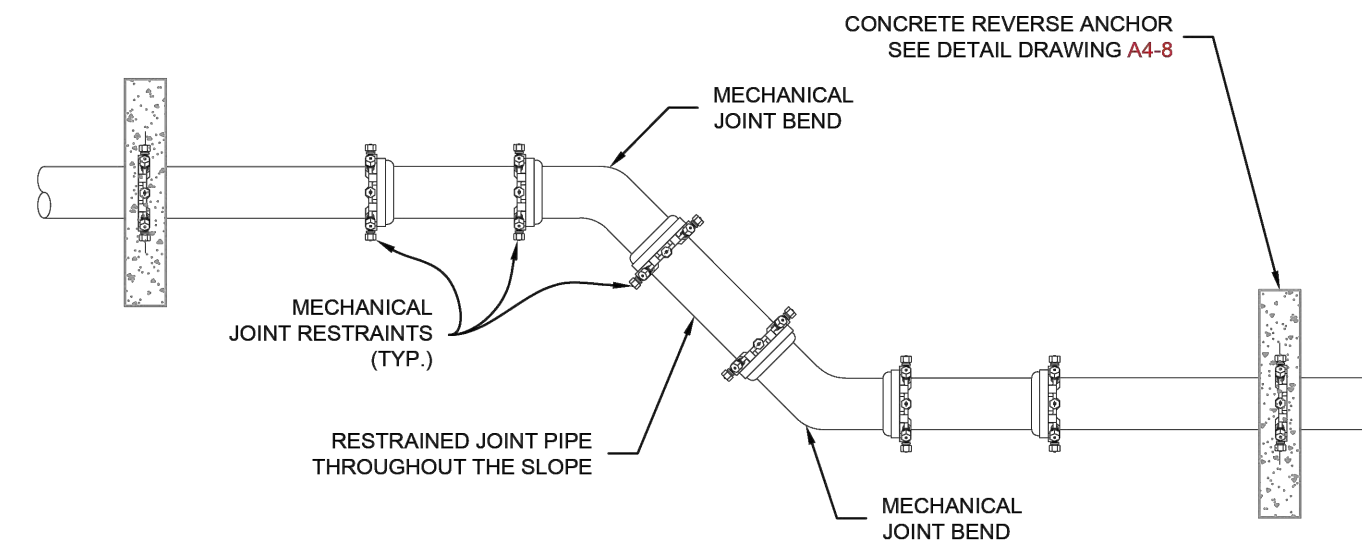


SLIP JOINT RESTRAINTS

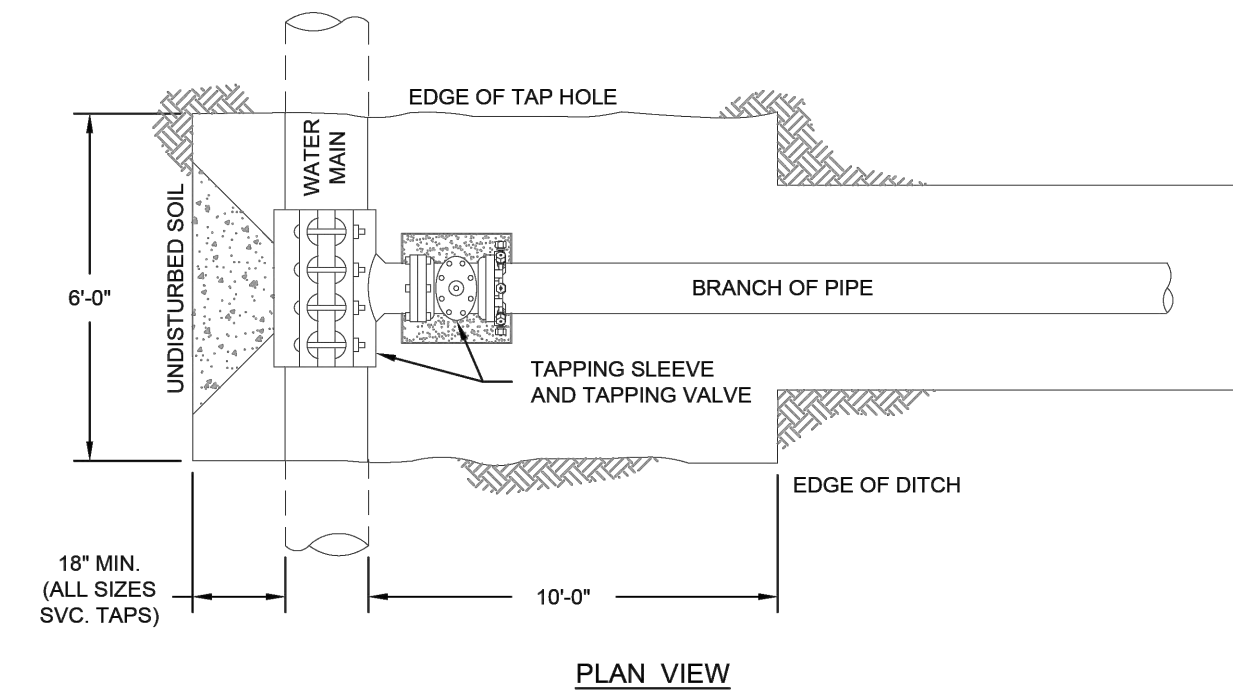


HORIZONTAL BENDS W/MJ RESTRAINTS AND CTRB

HORIZONTAL BENDS W/MJ RESTRAINTS WITHOUT CTRB



VERTICAL BENDS W/ CONCRETE REVERSE ANCHORS ON SLOPES 10% OR GREATER



1 TYPICAL RESTRAINED JOINT PIPE DEVICES

Scale: NOT TO SCALE

2 BEND CONFIGURATIONS AND RESTRAINTS

Scale: NOT TO SCALE

3 TAPPING SLEEVE DETAIL

Scale: NOT TO SCALE

THRUST BLOCK DIMENSIONS and VOLUMES - PVC & DIP 250 psi

MAIN SIZE (in.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (ft ²)	MINIMUM A ₁ (ft)	MINIMUM A ₂ (ft)	MINIMUM C ₁ (ft)	MINIMUM C ₂ (ft)	MINIMUM B (ft)	APPROXIMATE VOLUME (yd ³)
4	11.25" BEND	1.00	1.00	1.00	0.25	0.33	2.00	0.25
4	22.5" BEND	2.00	1.41	1.41	0.21	0.33	2.00	0.25
4	45" BEND	3.50	1.87	1.87	0.42	0.33	2.00	0.25
4	TEE & DEAD END	4.75	2.18	2.18	0.67	0.33	2.00	0.25
6	11.25" BEND	2.00	1.41	1.41	0.25	0.50	2.00	0.25
6	22.5" BEND	3.75	1.94	1.94	0.38	0.50	2.00	0.25
6	45" BEND	7.25	2.69	2.69	0.58	0.50	2.00	0.25
6	TEE & DEAD END	9.50	3.08	3.08	0.83	0.50	2.00	0.50
8	11.25" BEND	3.25	1.80	1.80	0.34	0.67	2.00	0.25
8	22.5" BEND	6.50	2.55	2.55	0.48	0.67	2.00	0.25
8	45" BEND	12.50	3.57	3.57	0.67	0.67	2.00	0.50
8	TEE & DEAD END	16.25	4.64	4.64	1.08	0.67	2.00	0.75

THRUST BLOCK DIMENSIONS and VOLUMES - PVC (Maximum Static Pressure = 170 psi)

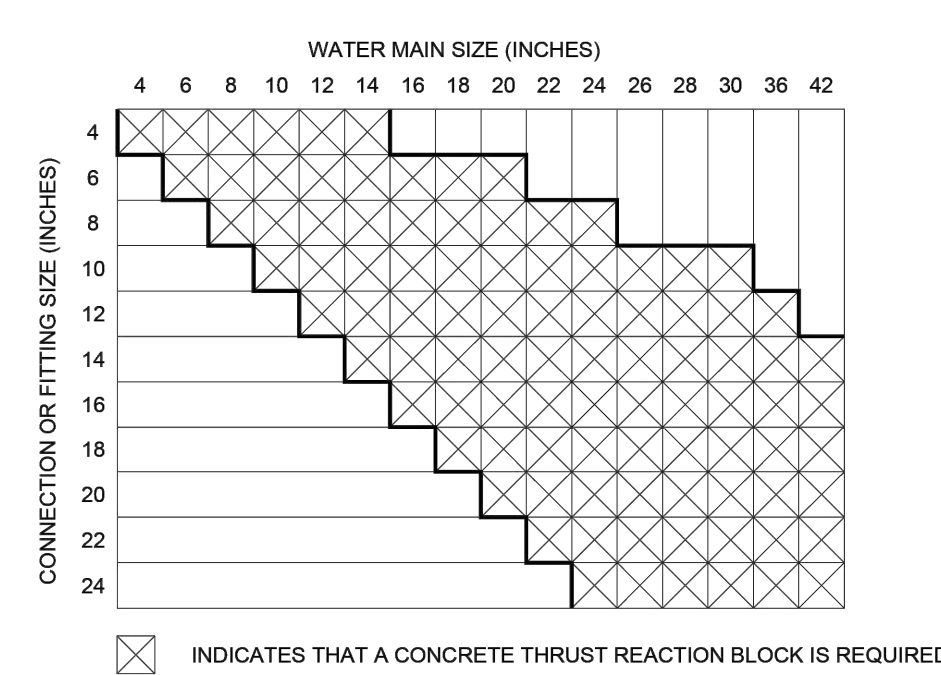
MAIN SIZE (in.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (ft ²)	MINIMUM A ₁ (ft)	MINIMUM A ₂ (ft)	MINIMUM C ₁ (ft)	MINIMUM C ₂ (ft)	MINIMUM B (ft)	APPROXIMATE VOLUME (yd ³)
12	11.25" BEND	4.75	2.18	2.18	0.43	1.00	2.00	0.25
12	22.5" BEND	9.25	3.04	3.04	0.64	1.00	2.00	0.50
12	45" BEND	18.00	4.92	4.92	1.00	1.00	2.00	0.75
12	TEE & DEAD END	23.50	6.42	6.42	1.46	1.00	2.48	1.00
16	11.25" BEND	8.00	2.83	2.83	0.44	1.33	2.00	0.50
16	22.5" BEND	16.00	4.27	4.27	0.66	1.33	2.00	0.75
16	45" BEND	31.00	6.27	6.27	1.00	1.33	3.64	1.75
16	TEE & DEAD END	40.50	10.80	10.80	1.92	1.33	4.44	3.00

THRUST BLOCK DIMENSIONS and VOLUMES - DIP (Maximum Static Pressure = 250 psi)

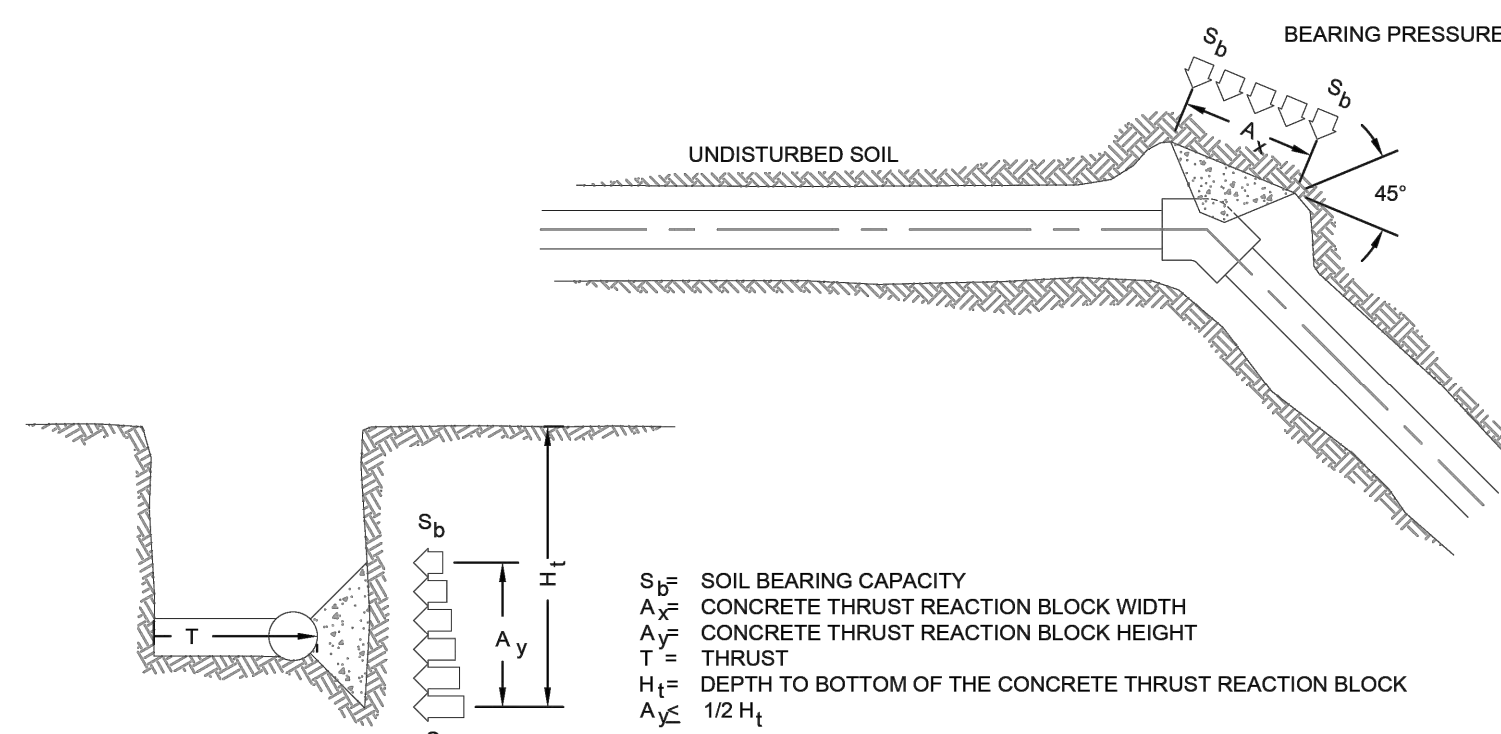
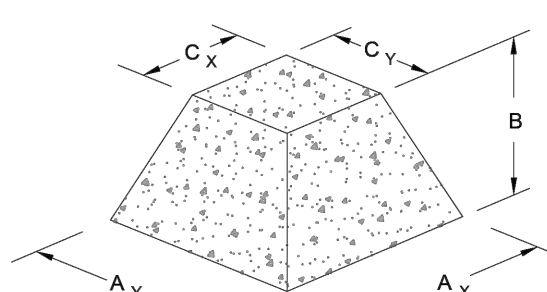
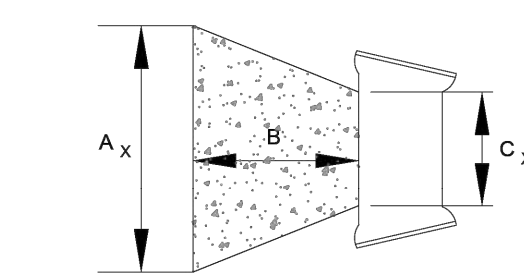
MAIN SIZE (in.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (ft ²)	MINIMUM A ₁ (ft)	MINIMUM A ₂ (ft)	MINIMUM C ₁ (ft)	MINIMUM C ₂ (ft)	MINIMUM B (ft)	APPROXIMATE VOLUME (yd ³)
12	11.25" BEND	6.75	2.60	2.60	0.43	1.00	2.00	0.50
12	22.5" BEND	13.50	3.69	3.69	0.64	1.00	2.00	0.50
12	45" BEND	26.25	7.17	7.17	1.00	1.00	3.09	1.50
12	TEE & DEAD END	34.25	9.36	9.36	1.46	1.00	3.95	2.25
16	11.25" BEND	11.75	3.43	3.43	0.44	1.33	2.00	0.50
16	22.5" BEND	23.25	5.20	5.20	0.66	1.33	2.77	1.00
16	45" BEND	45.50	12.13	12.13	1.00	1.33	5.57	4.00
16	TEE & DEAD END	59.50	15.87	15.87	1.92	1.33	6.98	6.50

- NOTES:**
- THE MINIMUM BEARING SURFACE AREAS SHOWN ARE BASED ON A MAX STATIC PIPE PRESSURE OF 170/250 POUNDS PER SQUARE INCH PLUS A SAFETY FACTOR OF 1.5 AND AN ALLOWABLE SOIL BEARING CAPACITY OF 1500 POUNDS PER SQUARE FOOT. BEARING SURFACE AREA IS ROUNDED UP TO THE NEAREST 0.25 SQUARE FEET. REFERENCE: AWWA M-23 AND M-41.
 - THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING ASSUMPTIONS BASED ON ACTUAL SITE CONDITIONS. IF SITE CONDITIONS VARY FROM THE ASSUMPTIONS THE DESIGN ENGINEER SHALL PROVIDE A SITE SPECIFIC DESIGN IN ACCORDANCE WITH AWWA M-23, PVC PIPE - DESIGN AND INSTALLATION AND AWWA M-41, DUCTILE IRON PIPE AND FITTINGS. SITE SPECIFIC DESIGNS INCLUDING GEOTECHNICAL INFORMATION SHALL BE SUBMITTED TO COLORADO SPRINGS UTILITIES FOR REVIEW.
 - THE MINIMUM BEARING SURFACE AREA AND APPROXIMATE VOLUME OF CONCRETE SHALL BE SHOWN ON THE CONSTRUCTION PLANS FOR ALL CONCRETE THRUST BLOCKS. CONCRETE MIX SHALL BE PER MATERIAL CHAPTER 4.
 - THE APPROXIMATE VOLUMES SHOWN ARE BASED ON THE MINIMUM BEARING SURFACE AREA AND THE MINIMUM TRENCH DIMENSIONS. THE APPROXIMATE VOLUME IS ROUNDED UP TO THE NEAREST 0.25 CUBIC YARDS.
 - THESE CHARTS MAY ONLY BE USED IF THE BLOCK HEIGHT (H) IS EQUAL TO OR LESS THAN ONE HALF THE TOTAL DEPTH (H_T) FROM THE FINISHED GRADE TO THE BOTTOM OF THE BLOCK. THE MINIMUM DIMENSIONS SHOWN ARE BASED ON A PIPE DEPTH OF 5 FEET. SEE DETAIL DRAWING A4-2.
 - A SITE SPECIFIC DESIGN SHALL BE REQUIRED FOR PIPES LARGER THAN 18 INCHES OR MAX STATIC PIPE PRESSURES GREATER THAN 250 POUNDS PER SQUARE INCH. THE DESIGN ENGINEER HAS THE OPTION OF PROVIDING A SITE SPECIFIC DESIGN FOR PIPES SMALLER THAN 18 INCHES OR MAX STATIC PRESSURES LESS THAN 250 POUNDS PER SQUARE INCH.
 - ALL CALCULATIONS SHALL BE PROVIDED TO COLORADO SPRINGS UTILITIES FOR REVIEW.

CONCRETE THRUST REACTION BLOCK REQUIREMENTS FOR TEES OR TAPS

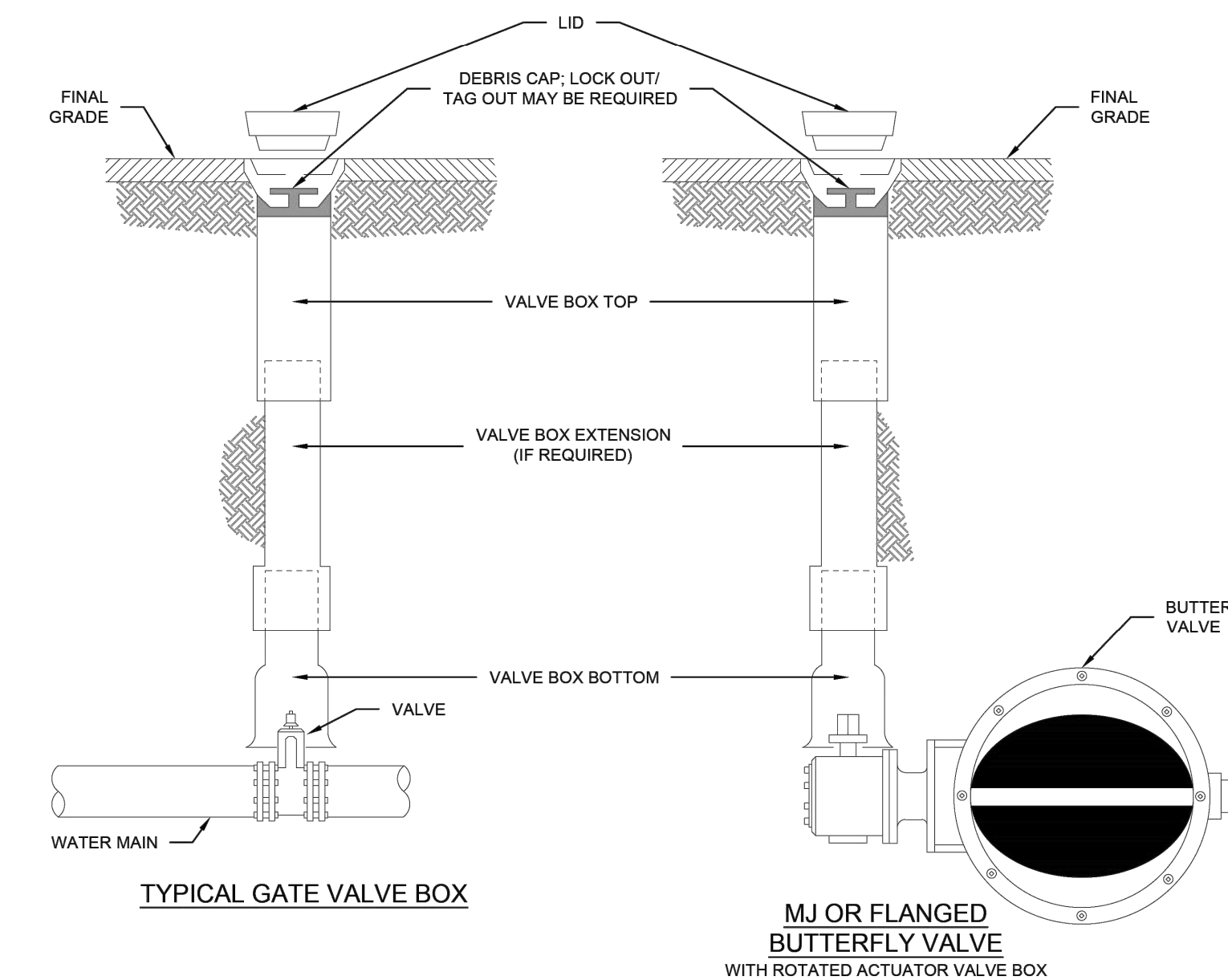


INDICATES THAT A CONCRETE THRUST REACTION BLOCK IS REQUIRED



NOTES:

- A SITE SPECIFIC DESIGN SHALL BE REQUIRED FOR CONNECTIONS OR FITTING SIZE COMBINATIONS NOT SHOWN ABOVE.
- THE CONCRETE THRUST REACTION BLOCK SHALL BEAR AGAINST UNDISTURBED SOIL.
- THE CONCRETE THRUST REACTION BLOCK SHALL BE INSTALLED WITH A 45° ANGLE FROM THE FITTING TO THE UNDISTURBED SOIL AS SHOWN IN THE DRAWING ABOVE.
- REFER TO DETAIL DRAWING A4-2 FOR STANDARD CONCRETE THRUST REACTION BLOCK DIMENSIONS AND VOLUMES.
- DUCTILE IRON FITTINGS AND PIPE SHALL BE WRAPPED IN POLYETHYLENE TUBING WHERE ADJACENT TO CONCRETE.



NOTES:

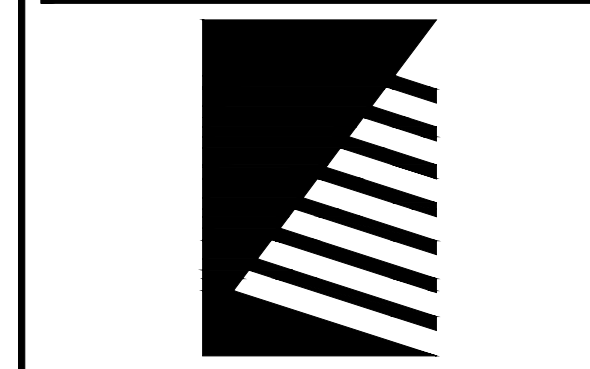
- MAIN AND FIRE HYDRANT VALVES AND VALVE BOXES SHALL NOT BE IN THE CURB PAN, CURB OR SIDEWALK.
- VALVE BOXES SHALL BE SLIP TYPE, PER CHAPTER 4.
- DEBRIS CAPS SHALL BE INSTALLED AS CLOSE UNDER THE CAST IRON COVER WITHOUT INTERFERING WITH COVER OPERATIONS.
- DEBRIS CAPS WITH FLEXIBLE SKIRTS SHALL BE TRIMMED TO PROVIDE A SMOOTH CONTACT WITH THE INTERIOR OF THE VALVE BOX.
- FOR SERVICE LINES 4" AND GREATER, TRACER WIRE WILL BE BROUGHT UP IN THE SECONDARY VALVE BOX.

4 CONCRETE THRUST REACTION BLOCK DETAIL

Scale: NOT TO SCALE

5 GATE VALVE AND BOX

Scale: NOT TO SCALE

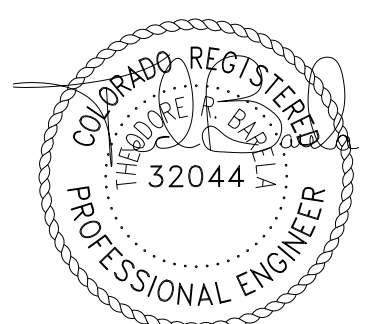


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ISSUE:
DATE: DESCRIPTION:



Project Status FOR CONSTRUCTION

PROJECT:
PIKES PEAK LIBRARY DISTRICT

WATERMAIN REROUTE

1175 CHAPEL HILLS DR

DATE: 7/26/2024

DESIGNED: TRB

DRAWN: ACS

REVIEWED: TRB

FIELD BOOK NO.:

SHEET TITLE:

WATER DETAILS

SHEET NUMBER:

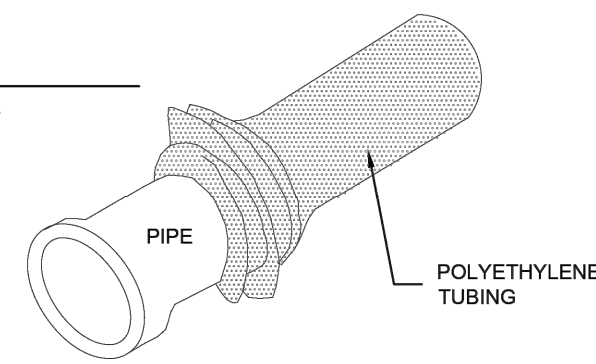
C501

PROJECT NO.: 0241083

FIELD INSTALLATION OF POLYETHYLENE TUBING FOR DIP PIPE AND FITTINGS

STEP 1:

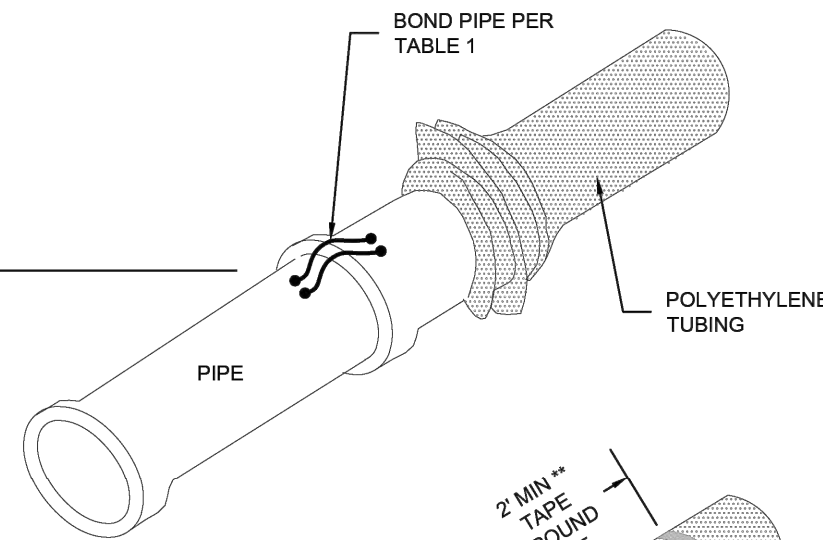
PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.



PIPE SIZE (IN)	QUANTITY - SIZE OF BOND	SIZE OF CHARGE (G)
3 TO 14	1 - #8 STRANDED OR SOLID	25
16 to 36	2 - #8 STRANDED OR SOLID	25
42 TO 64	1 - BONDING STRAP	15
	2 - #4 STRANDED OR SOLID	32
	4 - #8 STRANDED OR SOLID	25

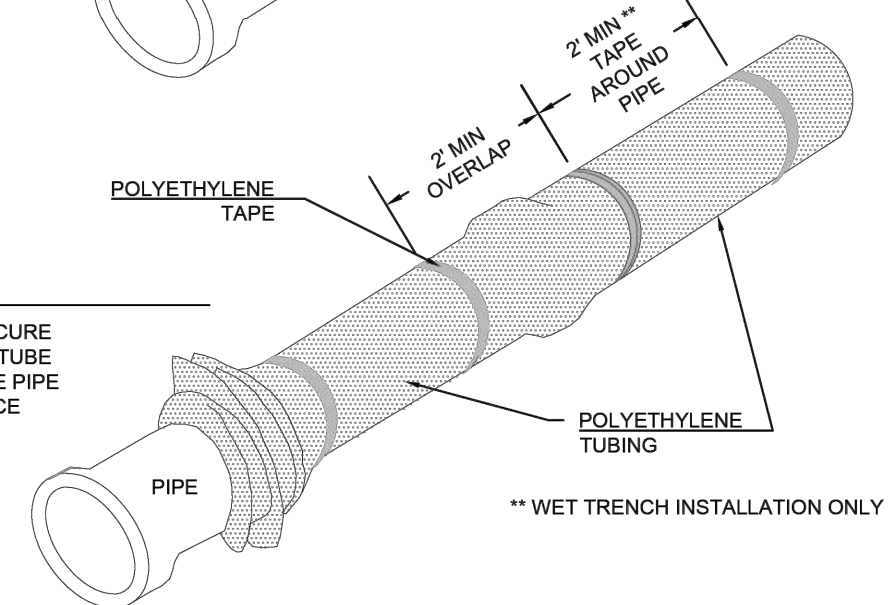
STEP 2:

INSTALL BONDING STRAP OR WIRE AT EVERY JOINT OF PIPE PRIOR TO WRAPPING. PULL TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO END AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE.



STEP 3:

OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL FOLDED ON TOP OF PIPE AND TAPED IN PLACE.



NOTES:

- ANY TEARS OR HOLES SHALL BE REPAIRED WITH POLYETHYLENE TUBING AND TAPE.
- WHEN WORKING AROUND EXISTING POLY WRAPPED PIPE, ANY TEARS AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED.
- WHEN WORKING AROUND EXISTING BONDED PIPE, ANY BROKEN BONDS AS A RESULT OF CONSTRUCTION, SHALL BE REPAIRED.

1 POLYTHYLENE TUBING DETAIL

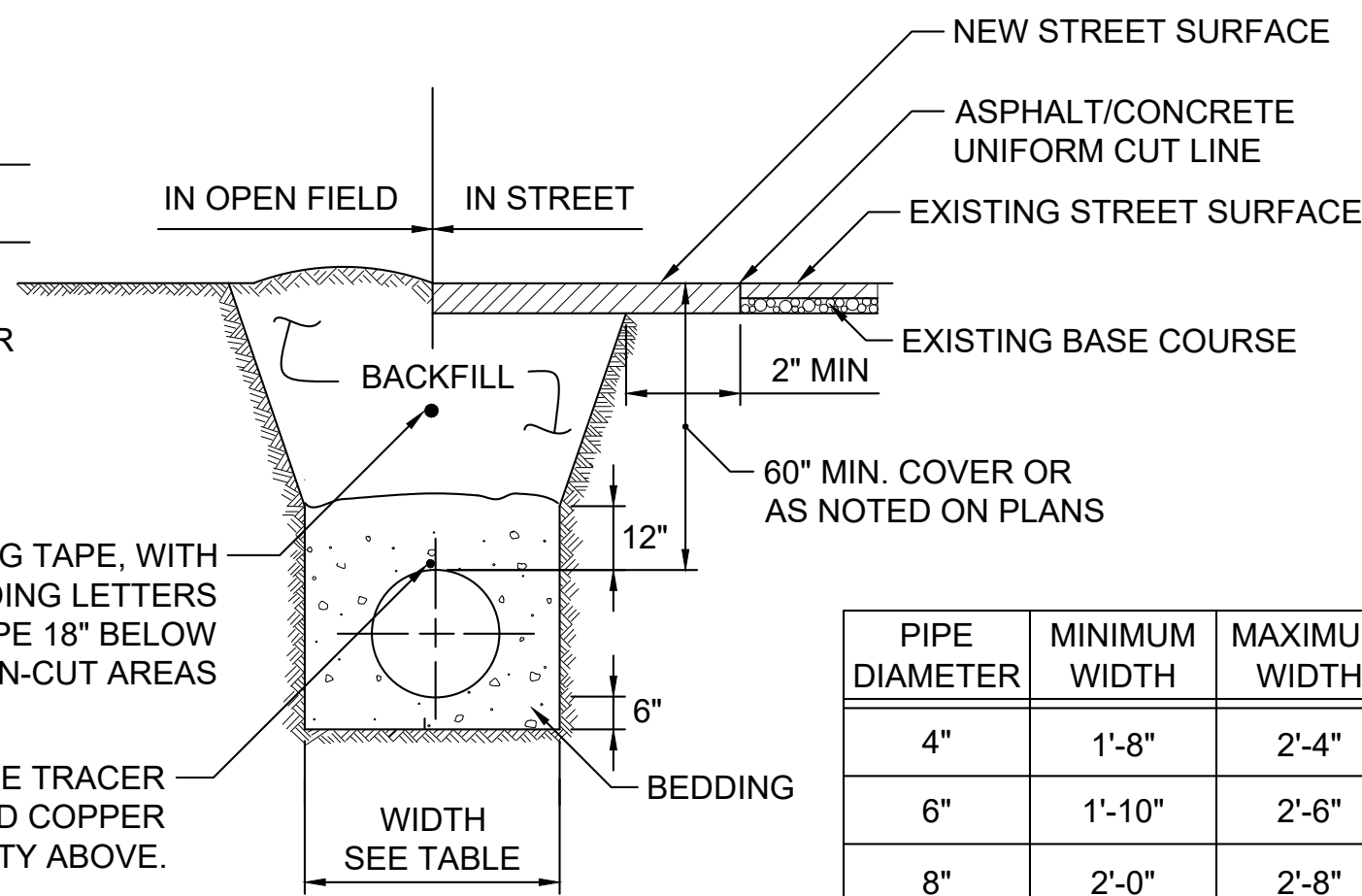
Scale: NOT TO SCALE

WARNING TAPE COLOR AND LABEL

COLOR	LABEL
BLUE	WATER
GREEN	SANITARY SEWER
PURPLE	NON-POTABLE WATER
RED	ELECTRIC
YELLOW	NATURAL GAS
ORANGE	COMMUNICATIONS

3"-6" WIDE, NON-DETECTABLE WARNING TAPE, WITH RESPECTIVE UTILITY LABEL, NON-DEGRADING LETTERS SPACED NOT MORE THAN 3 FT. BURY TAPE 18" BELOW GROUND SURFACE IN OPEN-CUT AREAS

#6 AWG TYPE RHW, RHW-2, OR HMWPE TRACER WIRE 6" ABOVE PIPE. STRANDED OR SOLID COPPER COLORED FOR RESPECTIVE UTILITY ABOVE.



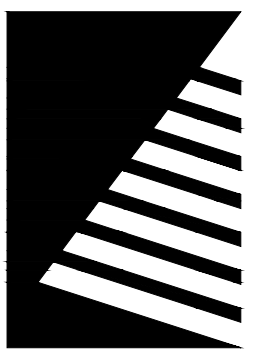
PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'-8"	2'-4"
6"	1'-10"	2'-6"
8"	2'-0"	2'-8"
12"	2'-4"	3'-0"

NOTES:

- TRENCH TO BE BRACED OR SHEETED AS REQUIRED BY OSHA.
- THE CONTRACTOR SHALL CUT BACK THE ASPHALT TO THE EDGE OF CONCRETE IN THOSE AREAS WHERE THE TRENCH IS WITHIN 3 FEET OF THE EDGE OF THE GUTTER.
- THE SUBGRADE, PIPE BEDDING MATERIAL AND BACKFILL SHALL BE STABILIZED AND COMPACTED AS REQUIRED IN THE PROJECT SPECIFICATIONS.
- DETAIL IS FOR OPEN-CUT TRENCHES ONLY.

2 TRENCH DETAIL

Scale: NOT TO SCALE

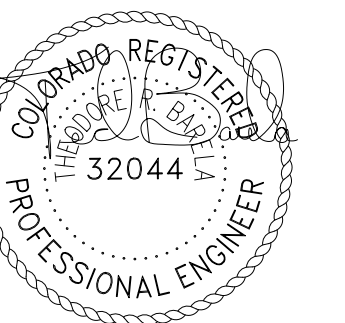


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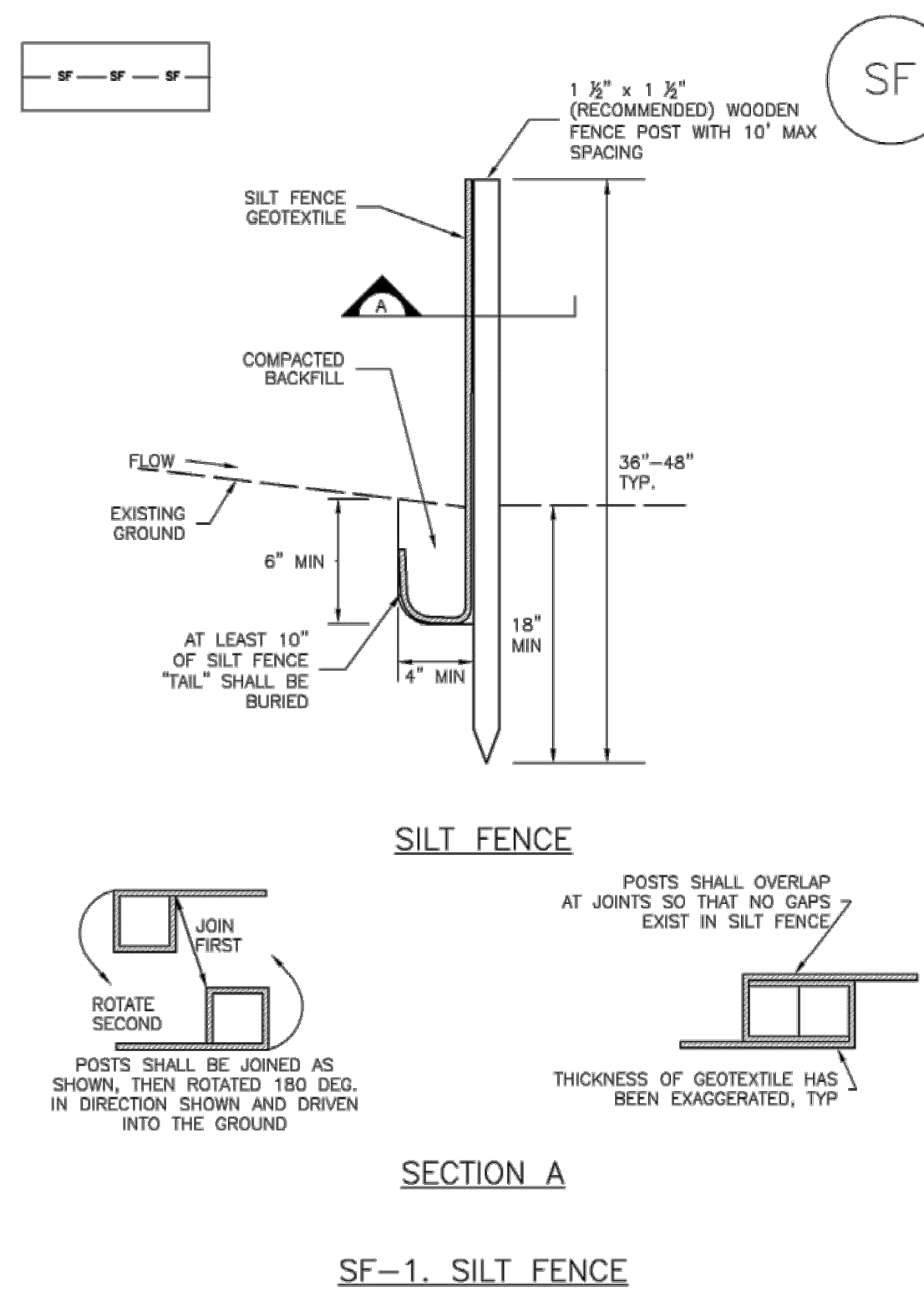
SHEET NUMBER:

C502

PROJECT NO.: 0241083

Silt Fence (SF)

SC-1



SILT FENCE

SECTION A

SF-1. SILT FENCE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

CONSTRUCTION FENCE INSTALLATION NOTES

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
- A UNIFORM 6" x 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
- COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
- SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
- SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
- AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK". THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10'-20').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

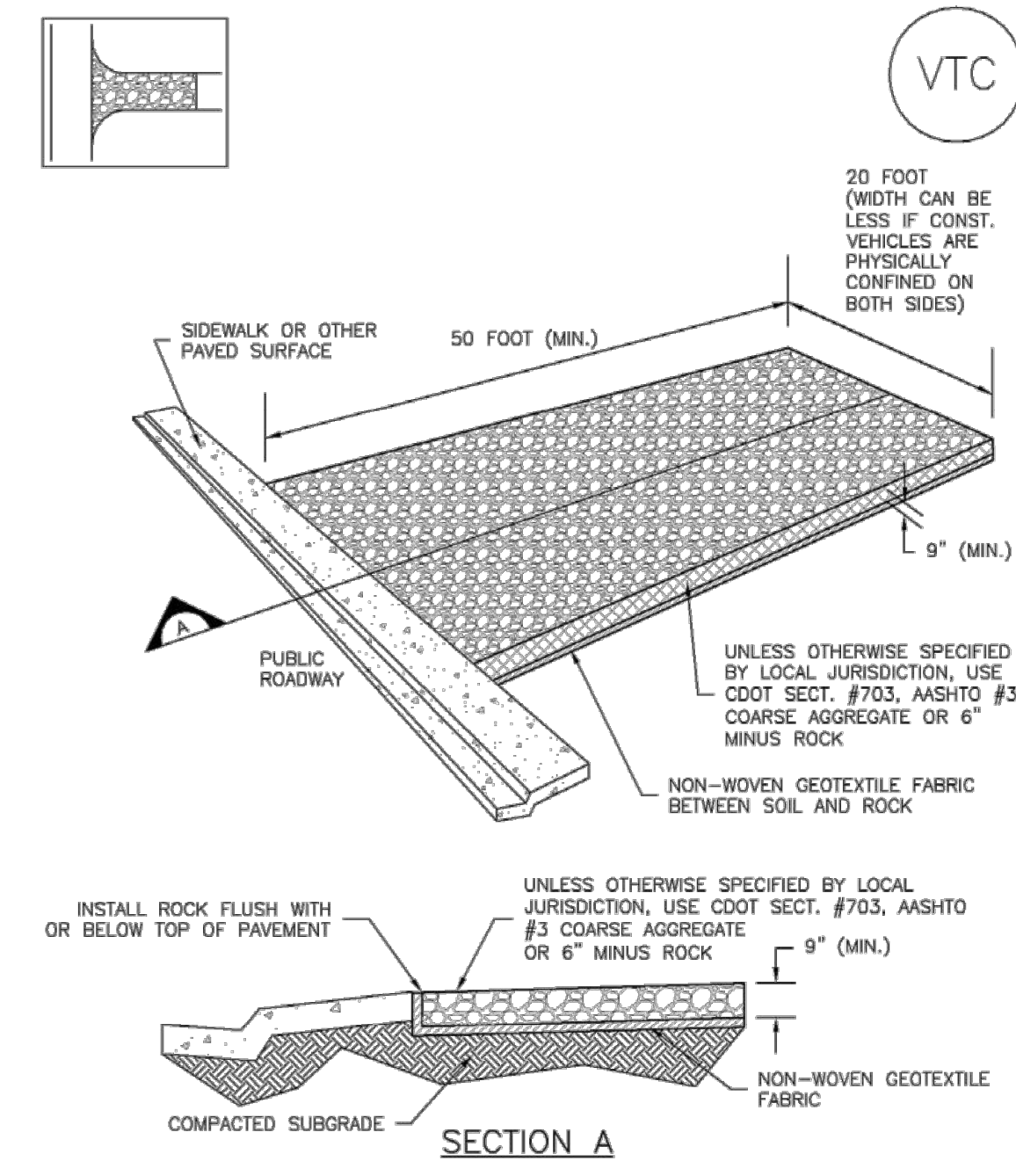
SILT FENCE MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
- REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
- SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
- WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

1 SILT FENCE DETAIL
Scale: NOT TO SCALE

Vehicle Tracking Control (VTC)

SM-4



SECTION A

VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

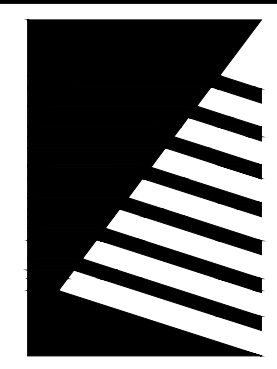
STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF CONSTRUCTION ENTRANCE(S) / EXIT(S)
 - TYPE OF CONSTRUCTION ENTRANCE(S) / EXIT(S) (WITH / WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
- CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
- A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE / EXIT MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
- SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

2 AGGREGATE VEHICLE TRACKING CONTROL
Scale: NOT TO SCALE

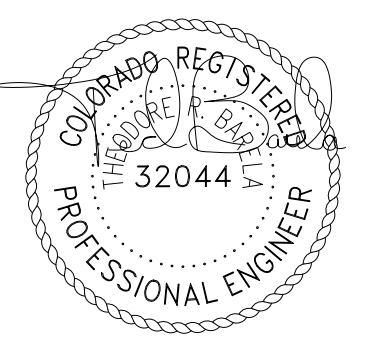


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ISSUE:
DATE: DESCRIPTION:



PROJECT:
PIKES PEAK LIBRARY DISTRICT

WATERMAIN REROUTE

1175 CHAPEL HILLS DR

DATE: 7/26/2024
DESIGNED: TRB
DRAWN: ACS
REVIEWED: TRB

FIELD BOOK NO.:

SHEET TITLE:

EROSION CONTROL DETAILS

SHEET NUMBER:

C503

PROJECT NO.: 0241083

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