

**TOWN OF TIMNATH, COLORADO
RESOLUTION NO. 65, SERIES 2024**

**A RESOLUTION APPROVING INTERGOVERNMENTAL AGREEMENT FOR
REIMBURSEMENT OF CONSTRUCTION AND RELATED EXPENSES FOR
LOWERING NORTH WELD COUNTY WATER DISTRICT 36-INCH WATER LINE
AND CULVERT REPLACEMENT IN THE TOWN OF TIMNATH, COLORADO
(Colorado Boulevard)**

WHEREAS, the Town Council of the Town of Timnath (“Town”) pursuant to C.R.S. § 31-15-103, has the power to pass resolutions; and

WHEREAS, attached hereto as Exhibit A is the Intergovernmental Agreement for Reimbursement of Construction and Related Expenses for Lowering North Weld County Water District 36-Inch Water Line and Culvert Replacement in the Town of Timnath, Colorado (Colorado Boulevard); and

WHEREAS, the Town is the owner of the Right of Way known as Colorado Boulevard in the Town and is owner of a drainage culvert located under Colorado Boulevard (the “Culvert”); and

WHEREAS, the Town’s Culvert needs to be replaced; and

WHEREAS, the District is owner of a 36-inch water line located beneath Colorado Boulevard (the “Water Line”); and

WHEREAS, the Water Line impedes the replacement of the Culvert; and

WHEREAS, the Town has requested the District lower its Water Line in order to allow the Culvert to be replaced; and

WHEREAS, the Parties have agreed to share in the cost of lowering the Water Line and replacement of the Culvert (the “Work”); and

WHEREAS, the Parties each believe it is in the best interest of each of them to cooperate in the cost of the Work; and

WHEREAS, the Town Council is familiar with the Agreement and finds it to be in the best interest of the Town, its residents, and the general public.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF TIMNATH, COLORADO AS FOLLOW:

Section 1. Approval

The Agreement is hereby approved in substantially the form as attached hereto, subject to technical or otherwise non-substantive modifications, as deemed necessary by the Town Manager in consultation with the Public Works Director, Town Engineer, Legal Counsel, and other applicable staff or consultants.

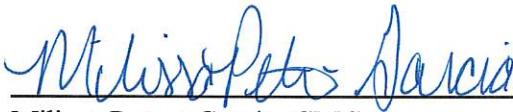
INTRODUCED, MOVED, AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN OF TIMNATH, ON OCTOBER 8, 2024.

TOWN OF TIMNATH, COLORADO



Robert Axmacher, Mayor

ATTEST:



Milissa Peters-Garcia, CMC
Town Clerk



EXHIBIT A

**INTERGOVERNMENTAL AGREEMENT
FOR REIMBURSEMENT OF CONSTRUCTION AND
RELATED EXPENSES FOR LOWERING NORTH WELD COUNTY WATER
DISTRICT 36-INCH WATER LINE AND CULVERT REPLACEMENT IN THE
TOWN OF TIMNATH, COLORADO
(Colorado Boulevard)**

INTERGOVERNMENTAL AGREEMENT

FOR REIMBURSEMENT OF CONSTRUCTION AND RELATED EXPENSES FOR LOWERING NORTH WELD COUNTY WATER DISTRICT 36-INCH WATER LINE AND CULVERT REPLACEMENT IN THE TOWN OF TIMNATH, COLORADO (Colorado Boulevard)

THIS INTERGOVERNMENTAL AGREEMENT ("Agreement") is made and entered into this 8th day of October 2024, by and between NORTH WELD COUNTY WATER DISTRICT, a quasi-municipal corporation and a political subdivision of the State of Colorado, with a physical address of 32825 County Road 39, Lucerne, Colorado 80646 ("North Weld") and the TOWN OF TIMNATH, a municipal corporation with its address at 4750 Signal Tree Drive, Timnath, CO 80547 ("Town"). North Weld and Town are referred to collectively herein as the "Parties".

RECITALS

WHEREAS, the Town is the owner of the Right of Way known as Colorado Boulevard in the Town and is owner of a drainage culvert located under Colorado Boulevard (the "Culvert"); and

WHEREAS, the Town's Culvert needs to be replaced; and

WHEREAS, the District is owner of a 36-inch water line located beneath Colorado Boulevard (the "Water Line"); and

WHEREAS, the Water Line impedes the replacement of the Culvert; and

WHEREAS, the Town has requested the District lower its Water Line in order to allow the Culvert to be replaced; and

WHEREAS, the Parties have agreed to share in the cost of lowering the Water Line and replacement of the Culvert (the "Work"); and

WHEREAS, the Parties each believe it is in the best interest of each of them to cooperate in the cost of the Work; and

NOW, THEREFORE, in consideration of the mutual promises, covenants and performance of the parties set forth herein, IT IS MUTUALLY AGREED BETWEEN THE PARTIES, AS FOLLOWS:

1. **Preamble.** The Town and the District agree the recitals set forth above are true and correct and those recitals are incorporated into the body of this Agreement.

2. **Description of Improvements.** The District shall cause the lowering of the Water Line and replacement of the Culvert (the “Improvements”). The Improvements shall be constructed subject to plans and specifications attached hereto as **Exhibit A** and incorporated herein (the “Plans”), with any changes thereto approved in writing by both Parties. In connection with the Plans, the District has furnished an engineer’s estimate of the costs of the Improvements (the “Engineer’s Estimate”), which may include in addition to materials and contractor fees, reasonable and customary costs for consultants, management fees and other expenses necessary for the construction of the Improvements, attached hereto as **Exhibit B** and incorporated herein.

3. Project Construction.

- a. **Bidding.** The District will advertise an invitation for bids for the construction of the Improvements through its normal procurement process in compliance with Colorado statutes. The invitation for bids for the Improvements will require that the name(s) of the subcontractor(s) that will be constructing the Improvements. The District will prepare a comparison of the bids for the Improvements and recommend award of a contract to the apparent lowest responsible and responsive bidder. The results of the District’s comparison and recommendation will be provided to the Town Engineer for review. The Town Engineer may object to the District’s comparison and recommendation if the bid does not conform to the plans, the Town has an objection to the contractor or subcontractor to be performing the work, or the cost of the project is more than 15% over the Engineer’s Estimate, by providing a written explanation of any objection within seven (7) business days of receipt of the bid, failing which the District may proceed to cause construction of the Improvements in accordance with this Agreement. The Parties shall work in good faith to resolve any differences. All change orders regarding the Improvements shall be subject to approval by the Town, which shall not be unreasonably withheld or delayed.
- b. **Standard of Construction.** The Improvements shall meet or exceed the requirements dictated by Town staff and incorporated in the current design. The District will use reasonable care and act in good faith in managing, advertising, contracting and constructing the Improvements. As appropriate, being prior to, or during construction, the District's contractor shall obtain all required permits, payment and performance bonds associated with the Work. The District shall have full control over all aspects of the management, advertisement, contracting, and construction of the Improvements until construction has been complete. Following completion, the Town shall continue to own the Culvert and the road, and the District shall continue to own the Water Line.

- c. Inspection and Acceptance. The Town shall inspect the Culvert and road improvements owned by the Town and the related portions of the project during construction, subject to the construction contractor's safety program. Reasonable changes, including inspection issues identified by the Town, will be discussed with the District for evaluation and the possibility of incorporating them into the project through a change order. The Town shall be responsible for inspection, approval and acceptance of all material and workmanship associated with the Culvert and the Road. The construction contractor shall provide the Town with surveyed as-built information.

- d. Contract Provisions
 - i. The construction contract for the Project will include a provision that any required insurance list the Town and its employees and Councilmembers, as an additional insured.

 - ii. The construction contract for the Improvements will require a two-year warranty on the Improvements that will begin on the initial date of acceptance of the Improvements warranting that the Improvements are free from defects in materials, equipment, and workmanship. In the event that the Town identifies a defect during construction or during the warranty period, the District agrees to take actions needed to enforce the contract requirements, including any payment bond or performance bond, at the written request of the Town.

- 4. Intent of the Parties. By entering into this Agreement, the Parties intend that the Improvements will be constructed in a timely manner in order to promote the health, safety and welfare of the Town, the District, and the general public.

- 5. Grant of Easements. To the extent the Town presently owns or controls the rights of use in areas needed for temporary construction easements, the Town hereby grants and conveys, with respect to the District, its contractors, agents, successors and assigns, a temporary non-exclusive construction easement consisting of approximately 300 feet in length within the Colorado Boulevard right-of-way for the construction of the Improvements (the "Easement Property") and for the non-exclusive right of ingress and egress on, upon, over and across the Easement Property, including the following rights and privileges:
 - a. The right to construct the Improvements within the Easement Property in such manner as may reasonably be determined to be necessary or advisable, in accordance with the Plans and any Town requirements. Nothing herein waives the need for rights-of-way permits, if required.

- b. The right to provide erosion control on the Easement Property for the full width thereof in such manner as may be reasonably determined to be necessary or advisable.
- c. The right of ingress and egress to and from the Easement Property.
- d. The right to mark the location of the Easement Property with markers set in the ground.
- e. The right to stage, stockpile and store materials, equipment and vehicles on the Easement Property in locations as determined by mutual agreement of the Town and the District, as necessary for the completion of the Improvements.
- f. The right to exercise all other rights necessary and incident to the full and complete use and enjoyment of the easement for the purposes of completion of the Improvements.
- g. The Easement shall automatically terminate and expire upon final acceptance of the Improvements.

To the extent areas needed for temporary construction easements are not owned or controlled by the Town, the Town agrees to use its best efforts to acquire such interests to permit construction of the Improvements to proceed.

- 6. **Establishment of Reimbursement Amount.** The Parties agree that the Town's obligation to reimburse the District shall be limited to those actual costs incurred by the District including but not limited to actual construction costs, engineering, design, and construction management costs. The District shall provide to the Town, as a condition of reimbursement, an accounting of final costs of the design, engineering, and construction of the Improvements including paid receipts or other documentation as the Town may reasonably request to verify the amount of the Improvements (the "Final Costs"). Upon receipt by the Town of the Final Costs, the Town hereby agrees to reimburse the District the amount of fifty percent (50%) of the Final Costs. Such demand for reimbursement may be in one or more invoices.
- 7. **Timing of Reimbursement/Current Appropriation.** Upon the presentation of the Final Costs to the Town, the Town shall pay to the District a total amount set forth in the Final Costs within 30 days of receipt thereof. The Town affirms and acknowledges that it has present budgetary appropriations in the amount sufficient to permit the reimbursement amount in the current fiscal year or such amount will be the subject of a supplemental appropriation to permit the reimbursement amount in the current fiscal year.
- 8. **Obligations Irrevocable.**
 - a. The obligations created by this Agreement are absolute, irrevocable, unconditional, and are not subject to setoff or counterclaim.

- b. The Town shall not take any action which would delay or impair the District's ability to receive the funds contemplated.
9. **Compliance with TABOR.** It is the intent of the Town to fully comply with the provisions of Article X, Section 20 of the Constitution of the State of Colorado, including in particular Subsection 4 (b). Therefore, the parties agree that this Agreement is subject to an annual appropriation by the Town, and that the failure to make such appropriation, will relieve the Town of any multi-year fiscal obligations which may be created by the terms of this Agreement.
10. **Limited Effect.** This Agreement shall be effective only as to the recitals set forth herein and its terms shall apply only to the Improvements described herein. The reimbursement provisions of this Agreement shall apply only to such Improvements.
11. **Compliance with Law.** When fulfilling its obligations under this Agreement, the District shall comply with all relevant laws, ordinances, and regulations in effect at the time of the commencement of construction.
12. **Notices.** All notices, demands, requests or other communications to be sent by one Party to the other hereunder or required by law shall be in writing and shall be deemed to have been validly given or served by delivery of same in person to the address or by courier delivery, via United Parcel Service or other nationally recognized overnight air courier service, or by depositing same in the United States mail, first class postage prepaid, addressed as follows:

North Weld: North Weld County Water District
 Attention: Eric Reckentine, Manager
 32835 County Road 39
 P.O. Box 56 Lucerne, CO 80646
 Telephone: (970) 356-3020
 Facsimile: (970) 395-0997

With a copy to: WHITE BEAR ANKELE TANAKA & WALDRON
 Attention: Zachary P. White, Esq.
 2154 East Commons Avenue, Suite 2000
 Centennial, CO 80122
 (303) 858-1800 (phone)
zwhite@wbapc.com

To the Town: Town of Timnath
 4750 Signal Tree Drive
 Timnath, CO 80547
 Attn: Town Engineer
 Phone: (970) 224-3211

Email: jstone@timnathgov.com

With a copy to:

Carolyn R. Steffl
Dietze and Davis, P.C.
2060 Broadway, Suite 400
Boulder, CO 80302
(303) 447-1375
csteffl@dietzedavis.com

All notices, demands, requests or other communications shall be effective upon such personal delivery, one (1) business day after being deposited with a nationally recognized overnight air courier service, or three (3) business days after deposit in the United States First Class Mail. Each Party may change its address by giving notice to the other Party in accordance with the provisions hereof.

13. **Governmental Immunity.** Notwithstanding any other provision of this Agreement, no term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protection, or other provisions of the Colorado Governmental Immunity Act, §24-10-101, *et seq.*, C.R.S., as now or hereafter amended, as enjoyed by either Party.
14. **Third Party Beneficiaries.** It is expressly understood and agreed that the enforcement of the terms and conditions of this Agreement and all rights of action relating to such enforcement, shall be strictly reserved to the Town and the District. Nothing contained in this Agreement shall give or allow any claim or right of action whatsoever by any other third person. It is the express intention of the Town and the District that any such person or entity, other than the Town and the District receiving services or benefits under this Agreement shall be deemed an incidental beneficiary only.
15. **Severability.** To the extent that this Agreement may be executed and performance of the obligations of the Parties may be accomplished within the intent of the Agreement, the terms of this Agreement are severable, and should any term or provision hereof be declared invalid or become inoperative for any reason, such invalidity or failure shall not affect the validity of any other term or provision hereof.
16. **Waiver.** The waiver of any breach of a term, provision or requirement of this Agreement shall not be construed or deemed as a waiver of any subsequent breach of such term, provision, or requirement, or of any other term, provision or requirement.
17. **Entire Understanding.** This Agreement is intended as the complete integration of all understandings between the Parties. No prior or contemporaneous addition, deletion, or other amendment hereto shall have any force or affect whatsoever, unless embodied herein by writing.

18. **Modification and Amendment.** This Agreement is subject to such modifications as may be required by changes in federal or state law, or their implementing regulations. Any such required modification shall automatically be incorporated into and be part of this Agreement on the effective date of such change as if fully set forth herein. Except as provided above, no modification of this Agreement shall be effective unless agreed to in writing by both parties in an amendment to this Agreement that is properly executed and approved in accordance with applicable law.
19. **Attorney Fees.** Should either party be required to resort to litigation, arbitration, or mediation to enforce the terms of this Agreement, then to the extent permitted by law, the prevailing party, plaintiff or defendant, shall be entitled to costs, including reasonable attorney fees and expert witness fees, from the opposing party. If the court, arbitrator, or mediator awards relief to both Parties, each shall bear its own costs in their entirety.
20. **Binding Effect.** This Agreement shall inure to the benefit of, and be binding upon, the Parties, their respective legal representatives, successors, heirs, and assigns.
21. **Personal Jurisdiction and Venue:** Personal jurisdiction and venue for any civil action commenced by either party to this Agreement shall be deemed proper only if such action is commenced in the District Court for Weld County, Colorado. The District expressly waives its right to bring such action in or to remove such action to any other court, whether state or federal.
22. **No Partnership or Agency.** Notwithstanding any language in this IGA, or any representation or warranty to the contrary, neither the District nor the Town shall be deemed or constitute a partner, joint venture, or agent of the other.

[Remainder of Page Intentionally Left Blank]

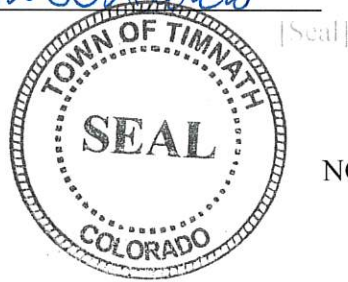
DATED this 8 day of October, 2024.

TOWN OF TIMNATH, COLORADO

By: [Signature]
Mayor

ATTEST:

[Signature]
Town Clerk



NORTH WELD COUNTY WATER DISTRICT

By: _____
President

DATED this _____ day of _____, 2024.

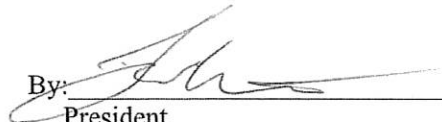
TOWN OF TIMNATH, COLORADO

By: _____
Mayor

ATTEST:

Town Clerk [Seal]

NORTH WELD COUNTY WATER DISTRICT

By: 

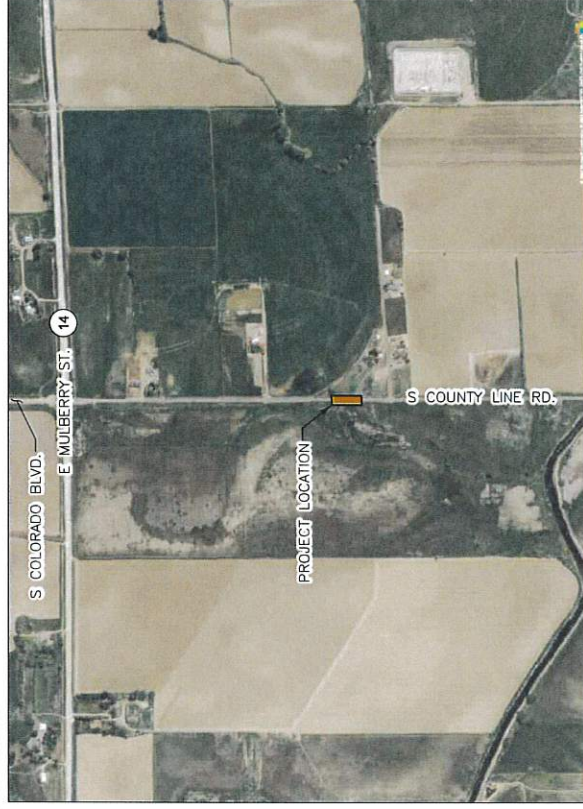
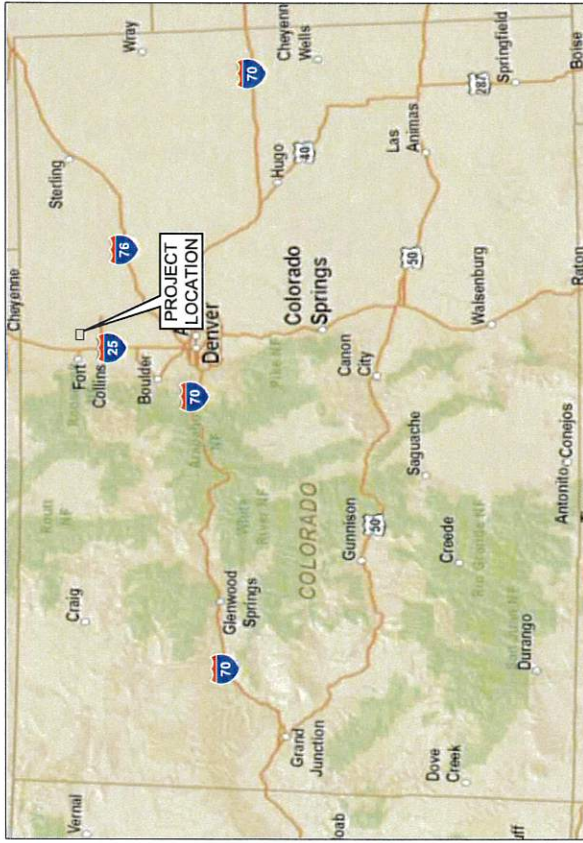
President

TAD R. STOUT

**EXHIBIT A
IMPROVEMENTS**

NORTH WELD COUNTY WATER DISTRICT TIMNATH 36" WATER LINE ADJUSTMENT

TIMNATH, COLORADO
SEPTEMBER 2024



SHEET NUMBER	SHEET TITLE	REVISION
1	PROJECT LOCATION AND INDEX OF SHEETS	E
2	EXPLANATION AND NOTES	E
3	PROJECT MAP	E
4	36-INCH WATER LINE PLAN AND PROFILE	E
5	4-INCH WATER LINE PLAN AND PROFILE	E
6	4-INCH GATE VALVE DETAIL	E
7	24-INCH RCP CULVERT SECTION VIEW	E
8	STANDARD DETAILS (1 OF 5)	E
9	STANDARD DETAILS (2 OF 5)	E
10	STANDARD DETAILS (3 OF 5)	E
11	STANDARD DETAILS (4 OF 5)	E
12	STANDARD DETAILS (5 OF 5)	E
	SITE PHOTOS (FOR INFORMATION ONLY)	E



CERTIFICATE OF ENGINEER

STATE OF COLORADO)
COUNTY OF WELD) SS:

I, LOREN ELDRIDGE-LOOKER, HEREBY STATE TO THE BEST OF MY KNOWLEDGE AND UNDERSTANDING THAT THIS DESIGN AND ACCOMPANYING DRAWINGS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH STANDARD AND GENERALLY ACCEPTED ENGINEERING PRACTICES AND PROCEDURES IN EFFECT AT THE TIME.



**Know what's below.
Call before you dig.**

CALL US AT:
(800) 922-1987
or **811**
colorado811.com

SHEET TITLE		REV. E
PROJECT LOCATION AND INDEX OF SHEETS		
TIMNATH 36" WATER LINE ADJUSTMENT		
NORTH WELD COUNTY WATER DISTRICT		
TIMNATH, COLORADO		
1252 Commerce Drive Laramie, Wyoming 82070 (307) 735-7724 www.tihydro.com		
FILE: 09750-128M-A-TITLE SHEET	DATE: 09/03/2024	CHECKED BY: JG
SCALE: AS SHOWN	DATE: 09/03/2024	ISSUE FOR CLIENT REVIEW #3
REV. DATE	DESCRIPTION	BY
A 11/14/2023	ISSUE FOR CLIENT REVIEW	JG
B 12/01/2023	ISSUE FOR CLIENT REVIEW #2	JG
C 12/01/2023	ISSUE FOR BID	JG
D 09/16/2024	ISSUE FOR CLIENT REVIEW #3	JG
E 09/03/2024	ISSUE FOR BID	JG
REVISIONS		
BY	CHKD	
RM	JG	

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR DUST ABATEMENT AND ANY LIABILITY ISSUES RELATED TO DUST AT ANY LOCATION WHICH MAY BE CAUSED BY THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF PEDESTRIANS IN AND AROUND THE WORK. REFERENCE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION FOR WORK ZONE TRAFFIC CONTROL.
- ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND, IN PARTICULAR, REQUIREMENTS OF ANY RIGHT-OF-WAY SPECIAL USE PERMIT OR OTHER PERMIT. ALL WORK SHALL MEET CURRENT OSHA REQUIREMENTS. WORK IN RIGHTS-OF-WAY SHALL NOT PROCEED UNTIL ALL REQUIRED PERMITS HAVE BEEN OBTAINED.
- RESTORATION OF PUBLIC ROADS, PRIVATE DRIVEWAYS, AND ACCESS ROADS SHALL BE PERFORMED ACCORDING TO THE TOWN OF TIMNATH STANDARDS AND CONSTRUCTION SPECIFICATIONS.
- WHERE WORK IS PERFORMED ON EASEMENTS, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO ELIMINATE ANY ADVERSE EFFECTS ON THE ADJACENT PROPERTY AND/OR TO RESTORE THE ADJACENT PROPERTY TO ITS ORIGINAL CONDITION.
- ALL DISTANCES AND DATA SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN CASE OF CONFLICT THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT CLARIFICATION MAY BE PROVIDED PRIOR TO THE START OF THE WORK.
- THE CONTRACTOR SHALL ARRANGE FOR, SECURE, AND PAY FOR DIRECTLY, ANY AND ALL TEMPORARY UTILITY SUPPLIES, E.G., WATER, POWER, AND TELEPHONE, IT MAY REQUIRE FOR PROSECUTION OF THE WORK. THE COST OF SUCH UTILITIES SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM WITH WHICH IT IS ASSOCIATED.
- SHOULD CONSTRUCTION BE HALTED BECAUSE OF INCLEMENT WEATHER CONDITIONS, THE CONTRACTOR SHALL COMPLETELY CLEAN UP ALL AREAS AND MAINTAIN THE SURFACE IN GOOD CONDITION DURING THE SHUT-DOWN PERIOD.
- THE CONTRACTOR'S PERSONNEL, EQUIPMENT, AND OPERATIONS SHALL COMPLY FULLY WITH ALL APPLICABLE STANDARDS, REGULATIONS, AND REQUIREMENTS OF EXISTING FEDERAL, STATE OF COLORADO, AND LOCAL GOVERNMENTAL AGENCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL, STATE, AND FEDERAL PERMITS REQUIRED FOR STORMWATER POLLUTION PREVENTION AS A RESULT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN FOR APPROVAL BY THE ENGINEER. IF THE CONSTRUCTION WILL DISTURB MORE THAN ONE ACRE, THE CONTRACTOR SHALL OBTAIN A COPY OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (OTHERWISE KNOWN AS THE CONSTRUCTION GENERAL PERMIT OR CGP).
- ALL WORK SHALL BE CONTAINED IN OR LIMITED TO PERMANENT NWCWD WATERLINE EASEMENTS, TEMPORARY CONSTRUCTION EASEMENTS, AND RIGHTS-OF-WAY.
- DURING CONSTRUCTION, ALL OPEN ENDS OF ALL PIPELINES SHALL BE COVERED AND SEALED AT THE END OF THE WORK DAY.
- IN GENERAL, RIGHT-OF-WAY WITHIN THE WORK LIMITS FALLS UNDER TOWN OF TIMNATH, CO JURISDICTION.
- IN GENERAL SUBSTANTIAL COMPLETION SHALL INCLUDE PASSING HYDROSTATIC FIELD TESTING, PASSING BACTERIOLOGICAL TESTING, AND COMPLETION OF RESTORATION REQUIREMENTS.

EXPLANATION

EXISTING	PROPOSED

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
Ø	DIAMETER
AC	ASBESTOS CEMENT
DI	DUCTILE IRON
DR	DIMENSION RATIO
EX	EXISTING
FT AMSL	FEET ABOVE MEAN SEA LEVEL
H	HORIZONTAL
HBP	HOT BITUMINOUS PAVEMENT
MJ	MECHANICAL JOINT
MIN.	MINIMUM
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
STA.	STATION
V	VERTICAL
WCR	WELD COUNTY ROAD

PAVING NOTES

- FOLLOW ALL TOWN OF TIMNATH STANDARDS AND CONSTRUCTION SPECIFICATIONS. THIS INFORMATION CAN BE FOUND AT: [HTTPS://TIMNATH.ORG/WP-CONTENT/UPLOADS/2022/01/CONSTRUCTION-SPECIFICATIONS.PDF](https://timnath.org/wp-content/uploads/2022/01/CONSTRUCTION-SPECIFICATIONS.PDF)
- PREPARE FOR PAVEMENT REPLACEMENT AFTER TRENCHES HAVE BEEN BACKFILLED AND COMPACTED IN ACCORDANCE WITH SECTION 02321. PROOF ROLL TESTING OF SUBGRADE REQUIRED PRIOR TO INSTALLING ROAD BASE AND PAVEMENT. LEVEL AND GRADE AS NECESSARY. NEATLY SAWCUT ADJACENT PERMANENT PAVEMENT A MINIMUM OF 2 FEET BACK FROM DISTURBED AREA. RESTORE AND ADJUST TO GRADE MANHOLE CASTINGS, VALVE BOXES, CURB STOPS, AND OTHER UTILITY APPURTENANCES.
- FOR PREPARATION, BASE COURSE PLACEMENT, OVERLAYS, PLACING MIX, ROLLING, SEALING, AND OTHER INSTALLATION PROCEDURES, REFER TO THE LARIMER COUNTY URBAN AREA STREET STANDARDS AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CDDOT 1989).
- PATCH GEOMETRY. EXISTING PAVEMENTS SHALL BE REMOVED TO CLEAN, STRAIGHT LINES PARALLEL OR PERPENDICULAR TO THE FLOW OF TRAFFIC. PATCHES SHALL NOT BE CONSTRUCTED WITH ANGLED OR IRREGULAR SHAPED EDGES.
- SEPARATION. STRIPS OF PAVEMENT GREATER THAN 6 FEET IN WIDTH FROM THE EDGE OF THE NEW PATCH TO THE EDGE OF AN EXISTING PATCH OR THE LIP OF THE GUTTER MAY REMAIN. STRIPS OF PAVEMENT LESS THAN 6 FEET IN WIDTH FROM THE EDGE OF THE NEW PATCH TO THE EDGE OF AN EXISTING PATCH OR THE LIP OF THE GUTTER SHALL BE REMOVED AND REPLACED AS A SINGLE NEW PATCH.
- TRANSITIONS. PATCHES SHOULD HAVE A SMOOTH LONGITUDINAL GRADE CONSISTENT WITH THE EXISTING ROADWAY. PATCHES SHOULD ALSO HAVE A CROSS SLOPE OR CROSS SECTION CONSISTENT WITH THE DESIGN OF THE EXISTING ROADWAY.
- OLDER PAVEMENT. IN THE CASE OF OLDER PAVEMENT WHERE THE LIKELIHOOD OF CRACKING AND POTHOLES NEXT TO THIS PATCH IS GREATER, EXTEND THE "SHOULDERS" OF THE PAVEMENT BEYOND THE 2-FOOT MINIMUM, AND REINFORCE 25.7.4.C OF THE LARIMER COUNTY URBAN AREA STREET STANDARDS.
- EDGES. PAVEMENT DESIGNATED FOR REMOVAL SHALL BE CUT VERTICALLY WITH SQUARE EDGES SUCH THAT EACH EDGE OF THE FINISHED PATCH WILL BE PARALLEL OR AT RIGHT ANGLES TO THE DIRECTION OF TRAFFIC. THE EDGE FOR REMOVAL WILL BE IN A STRAIGHT LINE SET BY A STRING LINE, CHALK LINE, OR OTHER MEANS TO ENSURE A STRAIGHT REMOVAL LINE. SCORING EDGE OF REMOVAL AREA, MARKING OR SCORING THE ASPHALT PAVEMENT SHALL BE DONE IN SUCH A WAY THAT DAMAGE TO THE ADJOINING MAT IS MINIMIZED. USE OF A POWER CUT-OFF SAW IS AN APPROVED METHOD OF SCORING OR PRECUTTING THE PERIMETER OF THE ASPHALT REMOVAL AREA.
- TACK COAT. FOR PATCHES IN ASPHALT, A TACK COAT SHALL BE APPLIED TO ALL EDGES OF THE EXISTING ASPHALT AND TO THE SUBGRADE BEFORE PLACING THE NEW PAVEMENT. REFER TO SECTION 25.6.4B OF THE LARIMER COUNTY URBAN AREA STREET STANDARDS FOR ADDITIONAL INFORMATION.
- PROTECTION FROM SOLVENTS AND OILS. THE CONTRACTOR SHALL PROTECT THE ASPHALT (BOTH EXISTING AND NEW) FROM SOLVENTS AND OILS. ANY PIECE OF EQUIPMENT LEAKING FLUID SHALL BE REMOVED FROM THE WORK SITE IMMEDIATELY AND SHALL NOT RETURN TO THE WORK SITE UNTIL ALL LEAKS ARE REPAIRED. IF ANY PIECE OF EQUIPMENT LEAKS ANY FLUID A SECOND TIME, IT SHALL BE REMOVED FROM THE WORK SITE IMMEDIATELY AND SHALL NOT BE ALLOWED ON THE WORK SITE AGAIN FOR THE REMAINDER OF THE PROJECT. THE CONTRACTOR SHALL NOT USE DIESEL OR OTHER SOLVENTS TO REMOVE OR PREVENT THE STICKING OF ASPHALT TO THE WHEELS OF RUBBER-TIRED ROLLERS OR OTHER EQUIPMENT USED ON THE ASPHALT. REMOVE AND REPLACE ANY ASPHALT DAMAGED BY SOLVENTS OR OILS. PLACE NEW ASPHALT. ALL PATCHING SHALL BE PERFORMED WITH GRADING S OR SG. THE MATERIALS MUST CONFORM TO REQUIREMENTS OF CHAPTER 22, MATERIALS AND CONSTRUCTION SPECIFICATIONS OF THE LARIMER COUNTY URBAN AREA STREET STANDARDS. A MIX DESIGN SHALL BE REQUIRED. IN ALL CASES, THE PAVEMENT WEARING COURSE MUST MATCH THE GRADING OF THE SURROUNDING PAVEMENT. THE HBP MUST BE PLACED WITH A SELF-PROPELLED PAVEMENT SPREADER. THE MIXTURE MUST BE PLACED WITH EITHER A SELF-PROPELLED PAVEMENT SPREADER OR A BOX SPREADER. THESE MACHINES MAY BE USED TO PATCH AREAS WIDER THAN 8 FEET WITH THE USE OF A SCREENED EXTENSION THAT WILL EXTEND BEYOND THE WIDTH OF THE PROPOSED PATCH. PATCHES PAVED WITH A SELF-PROPELLED PAVEMENT SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CDDOT 1989) SECTION 401.1. ROLLERS SHALL OPERATE AT A MAXIMUM SPEED WITH THE DRIVE ROLL OR WHEELS NEAREST THE PAVEMENT. STEELWHEEL ROLLERS SHALL OPERATE AT A MAXIMUM SPEED OF 3 MPH. THE USE OF PLATE TYPE COMPACTORS WILL NOT BE PERMITTED EXCEPT IN AREAS THAT ARE NOT ACCESSIBLE TO THE ROLLER. AREAS WIDER THAN THE MACHINE SCREENED MAY BE PATCHED WITH A BOX SPREADER ONLY IF THE LENGTH OF THE PATCH IS LESS THAN 50 FEET. AREAS AS WIDE AS THE STREET OR LONGER THAN 50 FEET SHALL BE PATCHED WITH AN ASPHALT LAY DOWN MACHINE.



SHEET	1 OF 12	REV	TIMNATH 36" WATER LINE ADJUSTMENT		
			NORTH WELD COUNTY WATER DISTRICT		
EXPLANATION AND NOTES			TIMNATH, COLORADO		
DRAWN BY:	RM	CHECKED BY:	JG	DATE:	09/03/2024
SCALE:	NONE	FILE:	00750-129WLN_NOTESHEET	1292 Commerce Drive Littleton, Colorado 80120 (303) 775-7729	
REVISIONS	DESCRIPTION	REV.	DATE		
BY	CHKD	A	11/14/2023	ISSUE FOR CLIENT REVIEW	
		B	11/21/2023	ISSUE FOR CLIENT REVIEW #2	
		C	12/01/2023	ISSUE FOR BID	
		D	08/16/2024	ISSUE FOR CLIENT REVIEW #3	
		E	09/03/2024	ISSUE FOR BID	



TIMMATH 36" WATER LINE ADJUSTMENT
NORTH WELD COUNTY WATER DISTRICT
TIMMATH, COLORADO
PROJECT MAP



FILE: 00750-139WLA_PROJECTMAP
SCALE: 1" = 600'
DATE: 09/03/2024
CHECKED BY: JG
DRAWN BY: RM

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	12/01/2023	ISSUE FOR CLIENT REVIEW #2
C	12/01/2023	ISSUE FOR BID
D	08/18/2024	ISSUE FOR CLIENT REVIEW #3
E	09/03/2024	ISSUE FOR BID



NOTE:
ALL PROPERTY BOUNDARIES, SECTION LINES,
AND PROPERTY ADDRESSES SHOWN ARE
FROM WELD COUNTY GIS HUB AND LARIMER
COUNTY GIS DIGITAL DATA.

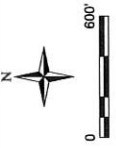
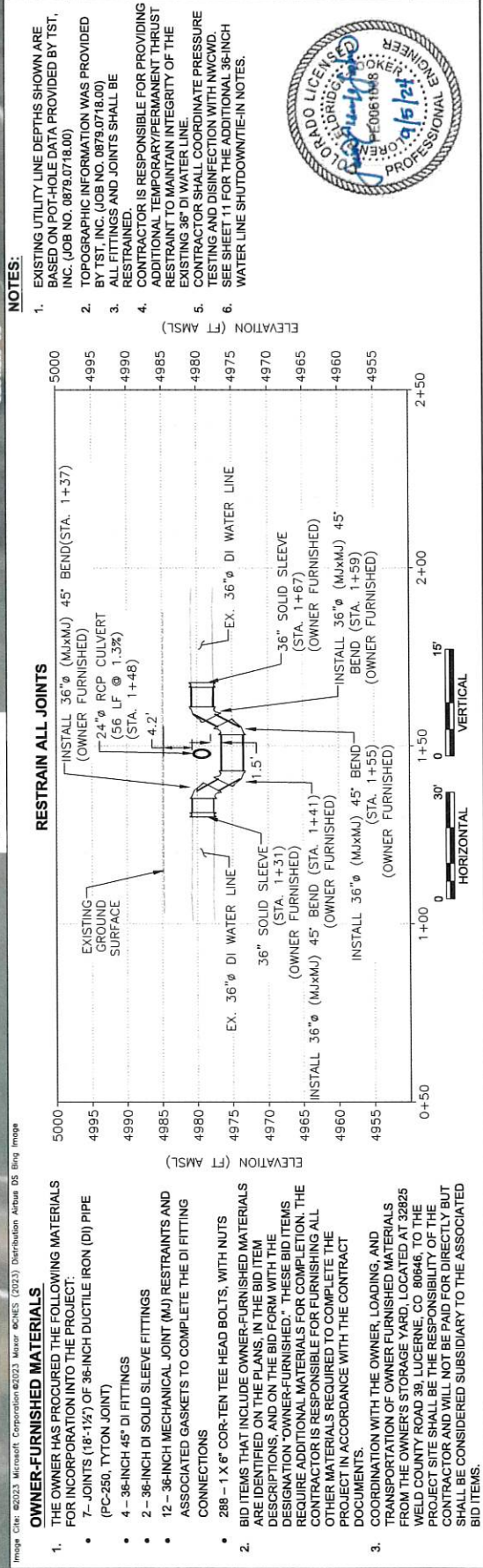
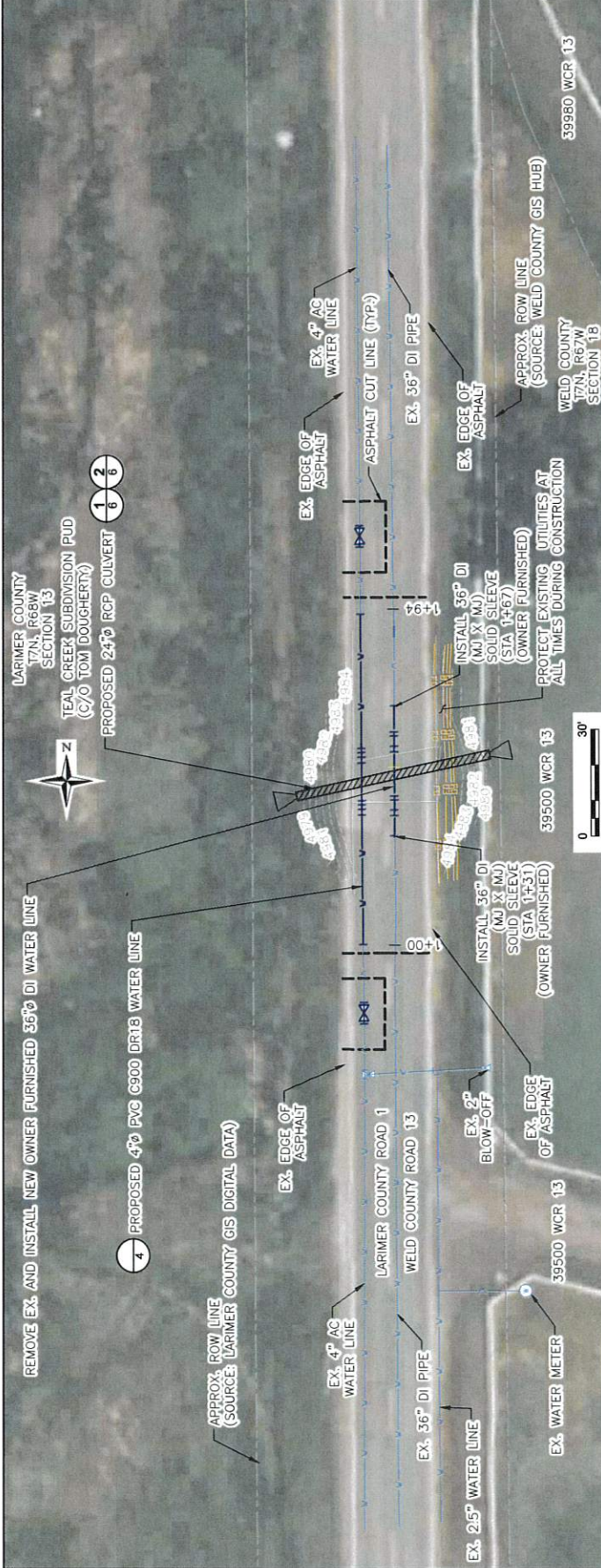


Image Cite: ©2023 Microsoft Corporation ©2023 Maxar ©2023 Distribution Avenue US Bing Image

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	11/21/2023	ISSUE FOR CLIENT REVIEW #2
C	12/01/2023	ISSUE FOR BID
D	08/16/2024	ISSUE FOR CLIENT REVIEW #3
E	09/03/2024	ISSUE FOR BID

DRAWN BY: RM
 CHECKED BY: JG
 DATE: 09/03/2024
 SCALE: AS SHOWN
 FILE: 071501730A_36INCH.PIP
 1752 Commerce Drive
 Lakewood, Colorado 80127
 (303) 754-1729
Tihydro

SHEET 3
 3 OF 12
 REV: E
36-INCH WATER LINE PLAN AND PROFILE
TIMNATH 36" WATER LINE ADJUSTMENT
NORTH WELD COUNTY WATER DISTRICT
TIMNATH, COLORADO

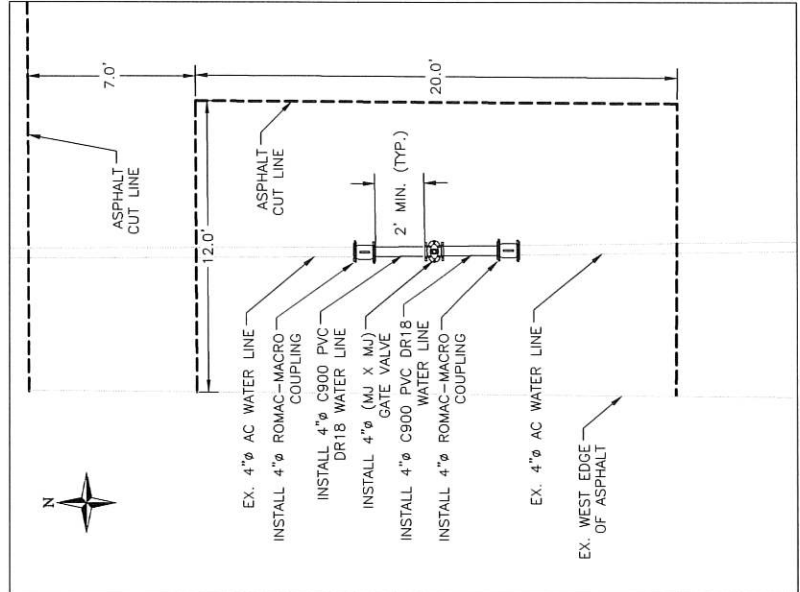


- OWNER-FURNISHED MATERIALS
 THE OWNER HAS PROCURED THE FOLLOWING MATERIALS FOR INCORPORATION INTO THE PROJECT:
- 7- JOINTS (18'-1/2" OF 36-INCH DUCTILE IRON (DI) PIPE (PC-250, TYTON JOINT)
 - 4- 36-INCH 45° DI FITTINGS
 - 2- 36-INCH DI SOLID SLEEVE FITTINGS
 - 12- 36-INCH MECHANICAL JOINT (MJ) RESTRAINTS AND ASSOCIATED GASKETS TO COMPLETE THE DI FITTING CONNECTIONS
 - 288- 1 X 6" COR-TEN TEE HEAD BOLTS, WITH NUTS
- BID ITEMS THAT INCLUDE OWNER-FURNISHED MATERIALS ARE IDENTIFIED ON THE PLANS. IN THE BID ITEM DESCRIPTIONS, AND ON THE BID FORM WITH THE DESIGNATION "OWNER-FURNISHED". THESE BID ITEMS REQUIRE ADDITIONAL MATERIALS FOR COMPLETING THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL OTHER MATERIALS REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- COORDINATION WITH THE OWNER, LOADING, AND TRANSPORTATION OF OWNER FURNISHED MATERIALS FROM THE OWNER'S STORAGE YARD, LOCATED AT 32825 WELD COUNTY ROAD 38, LUCERNE, CO 80648, TO THE PROJECT SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE ASSOCIATED BID ITEMS.

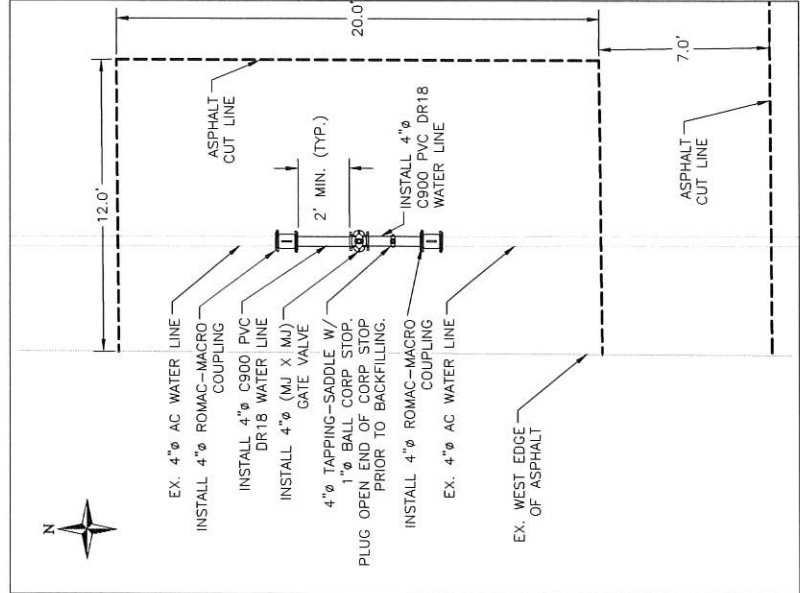
- NOTES:**
- EXISTING UTILITY LINE DEPTHS SHOWN ARE BASED ON POT-HOLE DATA PROVIDED BY TST, INC. (JOB NO. 0879.0718.00)
 - TOPOGRAPHIC INFORMATION WAS PROVIDED BY TST, INC. (JOB NO. 0879.0718.00)
 - ALL FITTINGS AND JOINTS SHALL BE REINFORCED.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDITIONAL TEMPORARY/PERMANENT THRUST RESTRAINT TO MAINTAIN INTEGRITY OF THE EXISTING 36" DI WATER LINE.
 - CONTRACTOR SHALL COORDINATE PRESSURE TESTING AND DISINFECTION WITH NWCD. SEE SHEET 11 FOR THE ADDITIONAL 36-INCH WATER LINE SHUTDOWN/IN-NOTES.



REV. E	5 OF 12	5	4-INCH GATE VALVE DETAIL	TIMNATH 36" WATER LINE ADJUSTMENT NORTH WELD COUNTY WATER DISTRICT TIMNATH, COLORADO	Trihydro 1522 Centennial Drive Littleton, Wyoming 82503 (307) 745-7729 www.trihydro.com	FILE: 001017MKA-4-INCHGATEVALVE
REV. D					DRAWN BY: RM	CHECKED BY: JG
REV. C					DATE: 08/03/2024	SCALE: NONE
REV. B					DATE: 11/21/2023	ISSUE FOR CLIENT REVIEW #2
REV. A					DATE: 11/14/2023	ISSUE FOR CLIENT REVIEW
BY RM JG						
CHKD RM JG						



2 SOUTH 4-INCH CUT IN GATE VALVE INSTALLATION
SCALE: NONE



1 NORTH 4-INCH CUT IN GATE VALVE INSTALLATION
SCALE: NONE

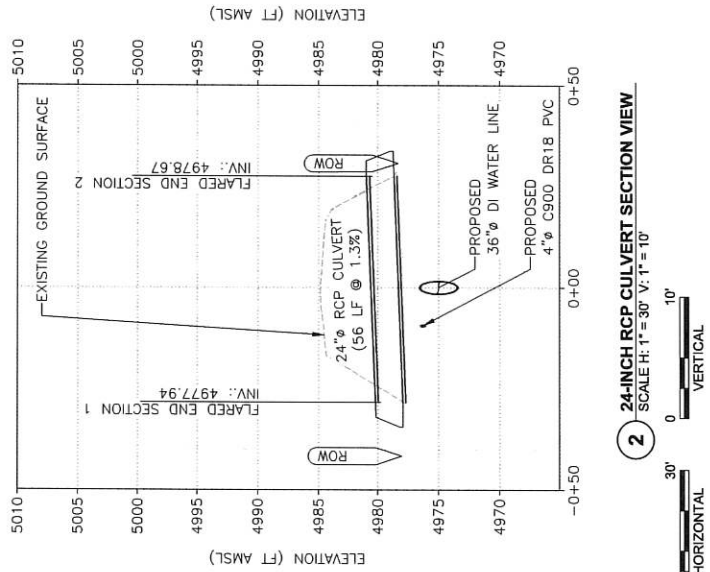
NOTES:

- CORP STOP SHALL BE USED FOR DISINFECTION, FLUSHING, AND HYDROSTATIC TESTING OF THE 4" WATER LINE INSTALLATION. PLUG OPEN END OF CORP STOP PRIOR TO BACKFILLING.
- ALL PIPE, FITTINGS, AND VALVES REQUIRED TO COMPLETE THE CUT-IN VALVE INSTALLATIONS SHALL BE DISINFECTED PRIOR TO INSTALLATION.
- TAPPING SADDLE AND CORP STOP SHALL CONFORM TO SECTION 33 14 18 - SERVICE LINES AND APPURTENANCES.
- NO SUBSTITUTES OR "EQUALS" WITHOUT WRITTEN APPROVAL FROM NWCWD.

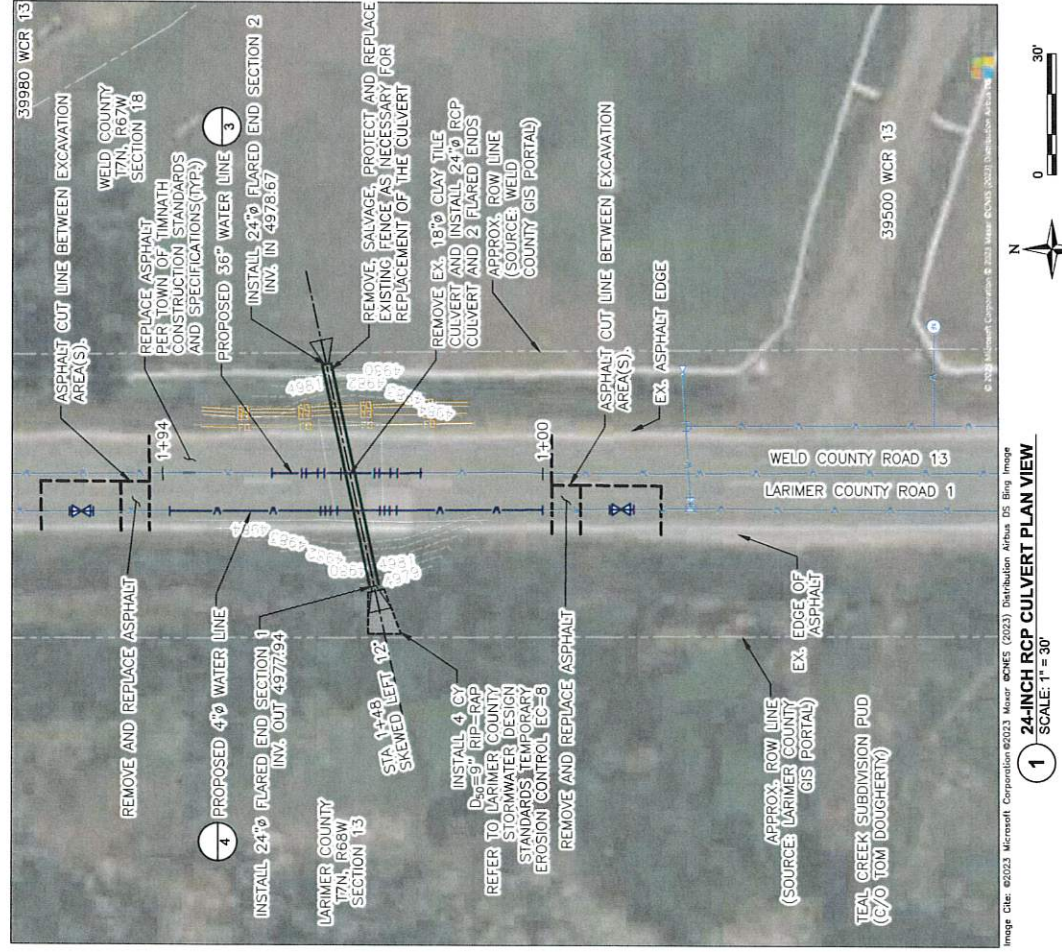


FILE: 00750-T3WMLA-18-INCH-RCP
 SCALE: AS SHOWN
 DATE: 09/03/2024
 CHECKED BY: JG
 DRAWN BY: RM

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	12/21/2023	ISSUE FOR CLIENT REVIEW #2
C	12/21/2023	ISSUE FOR BID
D	08/16/2024	ISSUE FOR CLIENT REVIEW #3
E	08/03/2024	ISSUE FOR BID



- NOTES:**
- CULVERT INVERT ELEVATIONS PROVIDED BY TST, INC.
 - EXISTING UTILITY LINE DEPTHS ARE BASED ON POT-HOLE DATA PROVIDED BY TST, INC. (JOB NO. 0879.0718.00)
 - 24" RCP CULVERT SECTION VIEW BASED ON 36-INCH WATER LINE ALIGNMENT AT STATION 1+47.77 SKEWED LEFT 12°.
 - TOPOGRAPHIC INFORMATION WAS PROVIDED BY TST, INC. (JOB NO. 0879.0718.00)



1 24-INCH RCP CULVERT PLAN VIEW
 SCALE: 1" = 30'

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	11/21/2023	ISSUE FOR CLIENT REVIEW #2
C	12/01/2023	ISSUE FOR BID
D	08/16/2024	ISSUE FOR CLIENT REVIEW #3
E	09/03/2024	ISSUE FOR BID

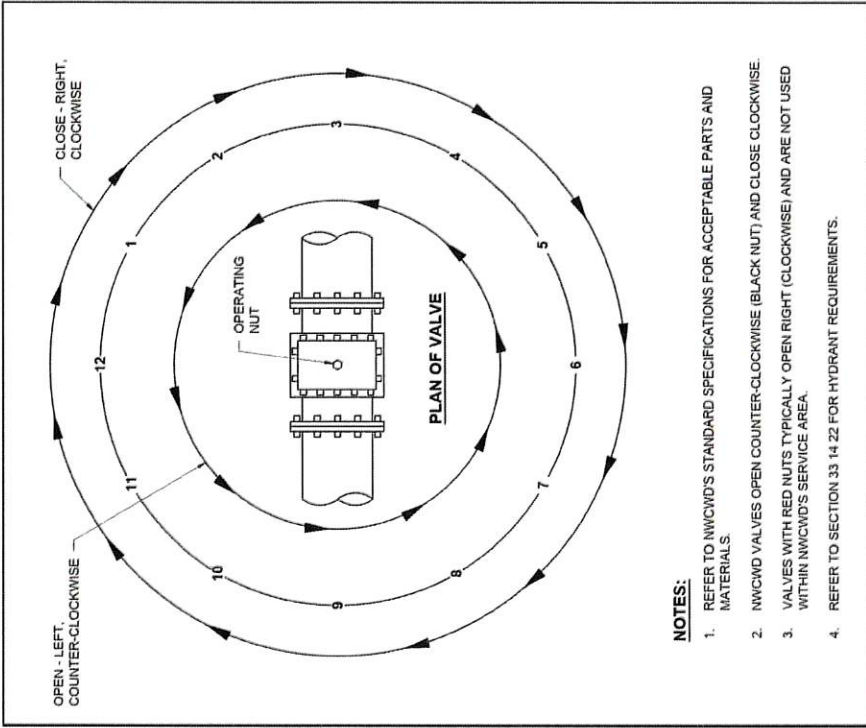
CHKD	BY
JG	RM
JG	JG
JG	JG
JG	JG
JG	JG

FILE: 00750-139M.A.DETAILS	SCALE: NONE
CHECKED BY: JG	DATE: 09/03/2024
DRAWN BY: RM	



STANDARD DETAILS (1 OF 5)
 TIMMATH 36" WATER LINE ADJUSTMENT
 NORTH WELD COUNTY WATER DISTRICT
 TIMMATH, COLORADO

SHEET 7
 7 OF 12
 REV: E



DETAIL NO: 3314201	DETAIL NO: 3314201
NWCWD APPD: GM	NWCWD APPD: GM
ORIG DATE: 04/12/2018	ORIG DATE: 04/12/2018
REV DATE: 02/08/2021	REV DATE: 02/08/2021

DETAIL NO: 3300001	DETAIL NO: 3300001
NWCWD APPD: GM	NWCWD APPD: GM
ORIG DATE: 04/12/2018	ORIG DATE: 04/12/2018
REV DATE: 02/08/2021	REV DATE: 02/08/2021

GENERAL UTILITY NOTES:

- ALL WATER LINE CONSTRUCTION SHALL CONFORM TO NORTH WELD COUNTY WATER DISTRICTS (NWCWD) DESIGN CRITERIA AND STANDARDS CURRENT AT DATE PERTAINING TO THIS DEVELOPMENT. PROVIDE SUBMITTALS OF ALL MATERIALS TO NWCWD FOURTEEN (14) DAYS PRIOR TO CONSTRUCTION FOR FULL APPROVAL.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DEPARTMENTS TO COORDINATE SCHEDULES.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) PERMITTING PROCESS FOR "STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." FOR INFORMATION, CONTACT: CDPHE, WATER QUALITY CONTROL DIVISION, SOCD-PE-B2, 4300 SOUTH CHERRY CREEK DRIVE SOUTH, DENVER, COLORADO 80222-1530. ATTENTION: PERMITS AND ENFORCEMENT SECTION.
- IF DEWATERING IS USED TO INSTALL UTILITIES, CULVERTS, ETC., A CDPHE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGING INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH, OR ANY WATERS OF THE UNITED STATES.
- THE CONTRACTOR SHALL OBTAIN SEPARATE ACCESS OR UTILITY PERMITS FROM CDOT, COUNTY AGENCY OR APPROPRIATE MUNICIPALITY BEFORE UNDERTAKING ANY CONSTRUCTION WORK IN EXISTING HIGHWAY, ROAD, OR STREET RIGHTS-OF-WAY.
- COORDINATE WITH NWCWD BEFORE BACKFILLING OF ANY WATERLINE FOR SURVEY AND INSPECTION. NWCWD REQUIRES EVERY JOINT, FITTING, TAP, AND APPURTENANCE TO BE SURVEYED.
- ALL WATERLINES SHALL MAINTAIN A MINIMUM COVER OF FIVE FEET (5'-0") AND A MAXIMUM COVER OF SIX FEET (6'-0"), UNLESS OTHERWISE SPECIFIED.
- ALL WATERLINES SHALL MAINTAIN GRADE AS SHOWN ON PLANS.
- TRACER WIRE IS TO BE INSTALLED ON TOP OF ALL PIPING. REFER TO SECTION 33 14 10 FOR REQUIREMENTS.
- ALL UNDERGROUND DUCTILE IRON FITTINGS AND PIPE SHALL BE TIGHTLY WRAPPED IN POLYETHYLENE ENCASEMENT, PER SECTION 33 05 20.
- ALL VALVES, FITTINGS, AND HYDRANTS ARE TO BE MECHANICALLY RESTRAINED TO THE PIPE USING APPROVED MECHANICAL RESTRAINT DEVICES, PER SECTION 33 05 20.
- VALVE OPENING DIRECTION, PER DETAIL NO. 3314201, "TYPICAL VALVE OPERATION".
- ALL WATER TAPS ARE INDIVIDUAL TAPS EXCLUSIVE OF ANY AND ALL OTHER UNITS. REFER TO DETAIL NO. 3314181, "WATER SERVICE LOCATION PLAN".
- WATER SERVICE LINES SHALL BE 1" IPS POLYETHYLENE TUBING AND HAVE A 1" CURBSTOP INSTALLED. WATER SERVICE LINES SHALL EXTEND THROUGH THE FRONT LOT AND SHALL BE MARKED WITH A 4"x4" WOODEN POST, EXPOSED THREE (3) FEET ABOVE FINISHED GRADE. REFER TO DETAIL NO. 3314182, "1-INCH SERVICE ASSEMBLY".

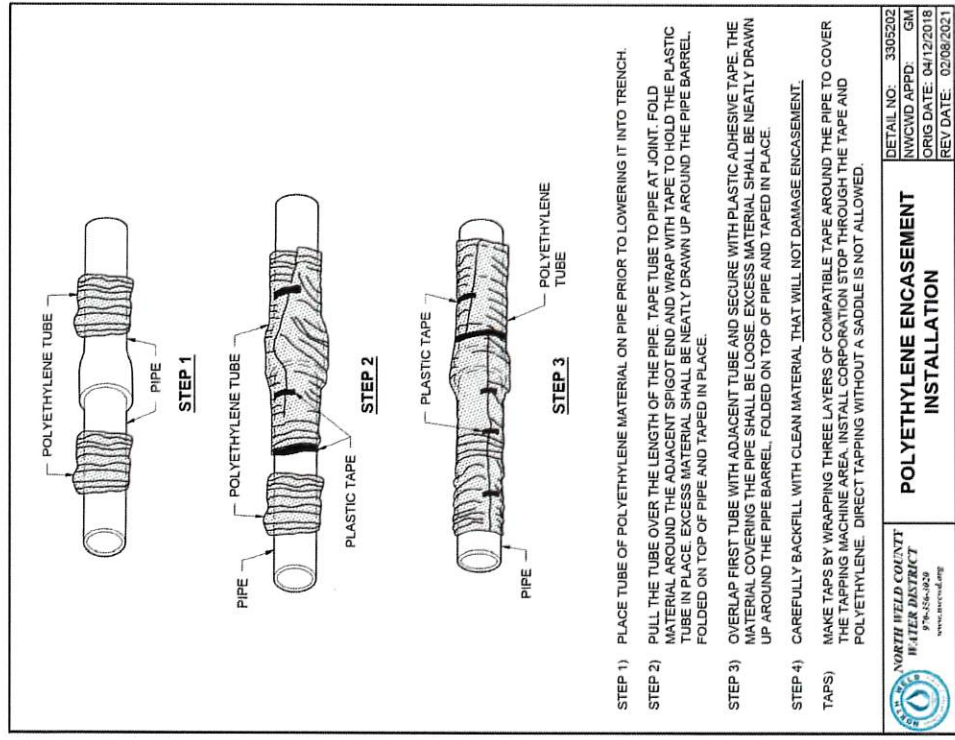
GENERAL UTILITY NOTES	
1 GENERAL UTILITY NOTES	
SCALE: NONE	

TYPICAL VALVE OPERATION	
2 TYPICAL VALVE OPERATION	
SCALE: NONE	

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	11/21/2023	ISSUE FOR CLIENT REVIEW #2
C	12/01/2023	ISSUE FOR BID
D	09/16/2024	ISSUE FOR CLIENT REVIEW #3
E	09/03/2024	ISSUE FOR BID
BY		CHKD
RM	JG	JG

FILE:	00750-139W/LA.DETAILS
SCALE:	NONE
DATE:	09/03/2024
CHECKED BY:	JG
DRAWN BY:	RM

8 OF 12	8	SHEET
STANDARD DETAILS (2 OF 5)		
TIMMATH 36" WATER LINE ADJUSTMENT		
NORTH WELD COUNTY WATER DISTRICT		
TIMMATH, COLORADO		



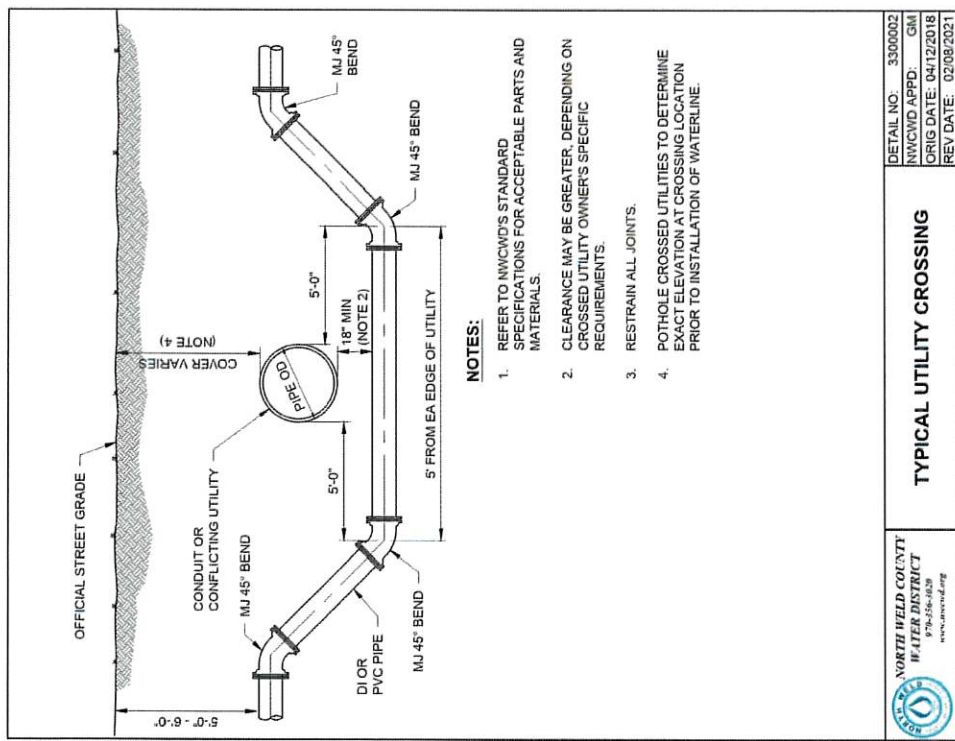
- STEP 1) PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.
 - STEP 2) PULL THE TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO PIPE AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.
 - STEP 3) OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.
 - STEP 4) CAREFULLY BACKFILL WITH CLEAN MATERIAL THAT WILL NOT DAMAGE ENCASEMENT.
- TAPS) MAKE TAPS BY WRAPPING THREE LAYERS OF COMPATIBLE TAPE AROUND THE PIPE TO COVER THE TAPPING MACHINE AREA. INSTALL CORPORATION STOP THROUGH THE TAPE AND POLYETHYLENE. DIRECT TAPPING WITHOUT A SADDLE IS NOT ALLOWED.

DETAIL NO.:	3300002
NWCWD APPD.:	GM
ORIG DATE:	04/12/2018
REV DATE:	02/08/2021

POLYETHYLENE ENCASEMENT INSTALLATION

NORTH WELD COUNTY WATER DISTRICT
978-586-8239
www.nwcd.org

2 POLYETHYLENE ENCASEMENT
SCALE: NONE



- NOTES:**
1. REFER TO NWCWD'S STANDARD SPECIFICATIONS FOR ACCEPTABLE PARTS AND MATERIALS.
 2. CLEARANCE MAY BE GREATER, DEPENDING ON CROSSED UTILITY OWNER'S SPECIFIC REQUIREMENTS.
 3. RESTRAIN ALL JOINTS.
 4. POTHOLE CROSSED UTILITIES TO DETERMINE EXACT ELEVATION AT CROSSING LOCATION PRIOR TO INSTALLATION OF WATERLINE.

DETAIL NO.:	3300002
NWCWD APPD.:	GM
ORIG DATE:	04/12/2018
REV DATE:	02/08/2021

TYPICAL UTILITY CROSSING

NORTH WELD COUNTY WATER DISTRICT
978-586-8239
www.nwcd.org

1 TYPICAL UTILITY CROSSING
SCALE: NONE

REV.	DATE	DESCRIPTION
A	11/14/2023	ISSUE FOR CLIENT REVIEW
B	11/21/2023	ISSUE FOR CLIENT REVIEW #2
C	12/01/2023	ISSUE FOR BID
D	08/18/2024	ISSUE FOR CLIENT REVIEW #3
E	09/03/2024	ISSUE FOR BID

REVISIONS

BY: RM JG
CHKD: RM JG

FILE: 00750-139W1A.DETALS

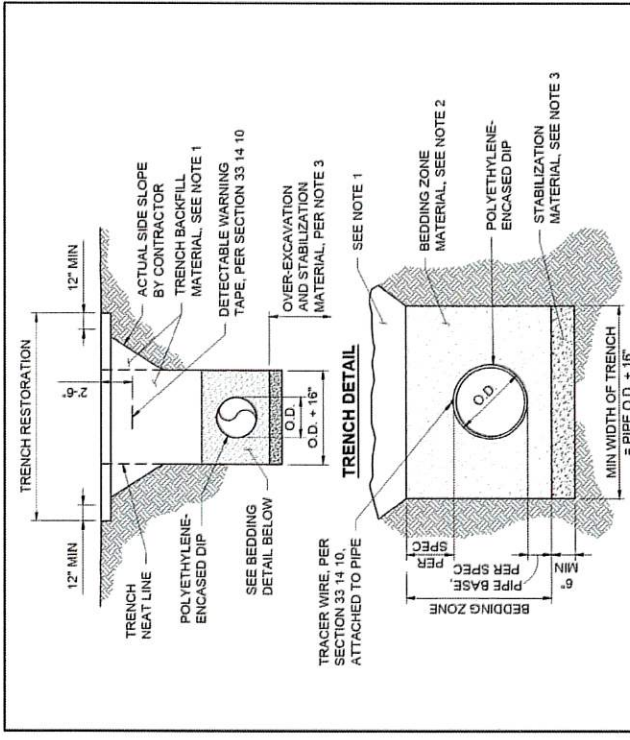
SCALE: NONE

DATE: 09/03/2024

CHECKED BY: JG

DRAWN BY: RM

Trihydro CORPORATION
1252 Commerce Drive
Littleton, Colorado 80120
(303) 775-7474 (P) 303745-7799



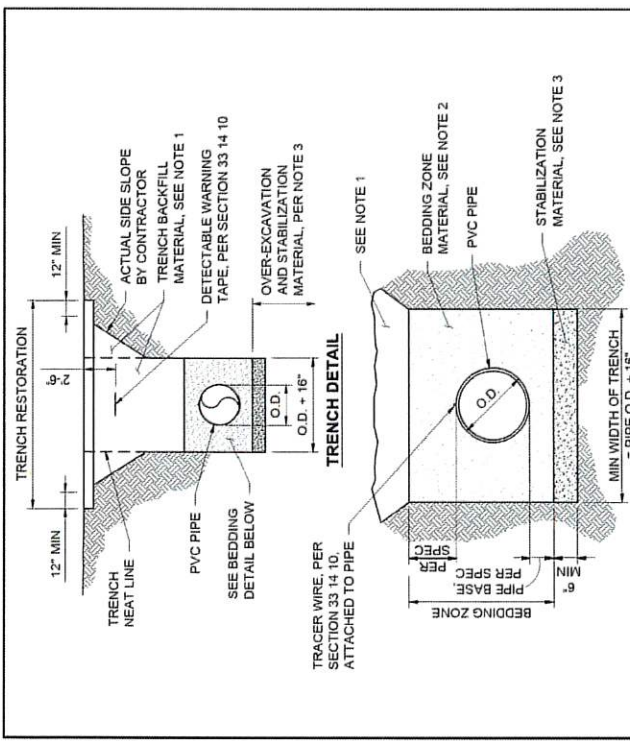
DI PIPE BEDDING DETAILS

DETAIL NO.: 3305201
NWCWD APPD.: GM
ORIG DATE: 04/12/2018
REV DATE: 02/08/2021

NOTES:

- TRENCH BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 31 23 35.
- "BEDDING ZONE MATERIALS," AS APPROVED BY ENGINEER. REFER TO SECTION 31 23 35.
- OVER-EXCAVATE UNSUITABLE MATERIAL, & REPLACE WITH "STABILIZATION MATERIAL" AS REQUIRED ON THE DRAWINGS - OR - AS DIRECTED BY THE ENGINEER. REFER TO SECTION 31 23 35.
- REFER TO NWCWD'S STANDARD SPECIFICATIONS FOR ACCEPTABLE PARTS AND MATERIALS.

2 DI PIPE BEDDING DETAIL
SCALE: NONE



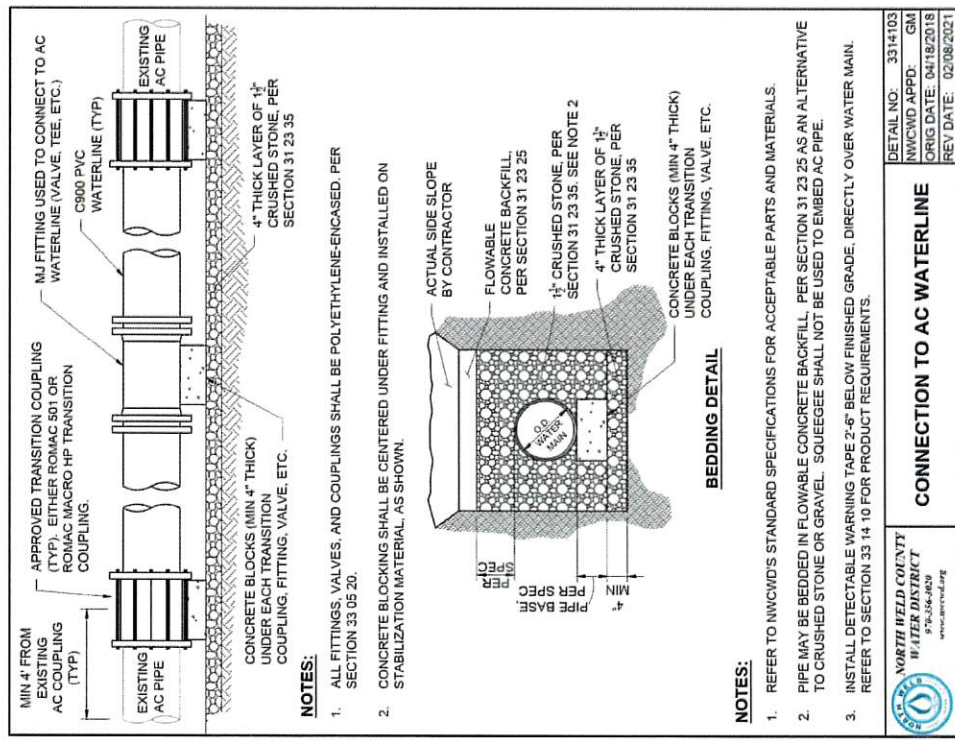
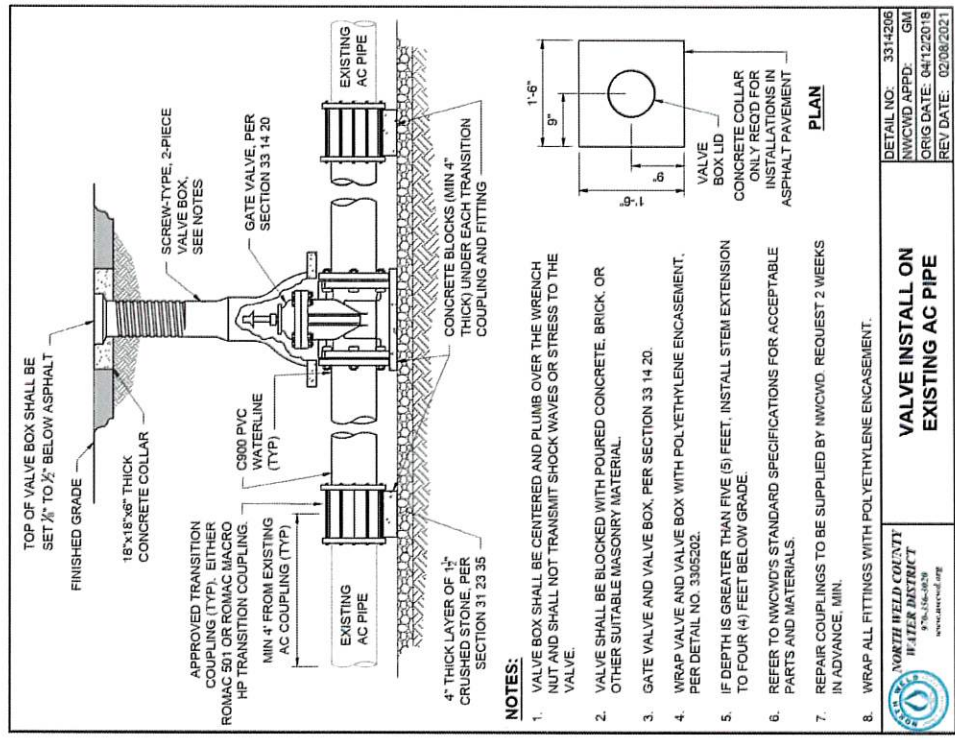
PVC PIPE BEDDING DETAILS

DETAIL NO.: 3305291
NWCWD APPD.: GM
ORIG DATE: 04/12/2018
REV DATE: 02/08/2021

NOTES:

- TRENCH BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 31 23 35.
- "BEDDING ZONE MATERIALS," AS APPROVED BY ENGINEER. REFER TO SECTION 31 23 35.
- OVER-EXCAVATE UNSUITABLE MATERIAL, & REPLACE WITH "STABILIZATION MATERIAL" AS REQUIRED ON THE DRAWINGS - OR - AS DIRECTED BY THE ENGINEER. REFER TO SECTION 31 23 35.
- REFER TO NWCWD'S STANDARD SPECIFICATIONS FOR ACCEPTABLE PARTS AND MATERIALS.

1 PVC PIPE BEDDING DETAILS
SCALE: NONE



- NOTES:**
1. VALVE BOX SHALL BE CENTERED AND PLUMB OVER THE WRENCH NUT AND SHALL NOT TRANSMIT SHOCK WAVES OR STRESS TO THE VALVE.
 2. VALVE SHALL BE BLOCKED WITH POURED CONCRETE, BRICK, OR OTHER SUITABLE MASONRY MATERIAL.
 3. GATE VALVE AND VALVE BOX WITH POLYETHYLENE ENCASMENT. PER DETAIL NO. 3305202.
 4. WRAP VALVE AND VALVE BOX WITH POLYETHYLENE ENCASMENT. PER DETAIL NO. 3305202.
 5. IF DEPTH IS GREATER THAN FIVE (5) FEET, INSTALL STEM EXTENSION TO FOUR (4) FEET BELOW GRADE.
 6. REFER TO NWCWD'S STANDARD SPECIFICATIONS FOR ACCEPTABLE PARTS AND MATERIALS.
 7. REPAIR COUPLINGS TO BE SUPPLIED BY NWCWD. REQUEST 2 WEEKS IN ADVANCE, MIN.
 8. WRAP ALL FITTINGS WITH POLYETHYLENE ENCASMENT.

- NOTES:**
1. REFER TO NWCWD'S STANDARD SPECIFICATIONS FOR ACCEPTABLE PARTS AND MATERIALS.
 2. PIPE MAY BE BEDDED IN FLOWABLE CONCRETE BACKFILL. PER SECTION 31.23.25 AS AN ALTERNATIVE TO CRUSHED STONE OR GRAVEL. SQUEEGEE SHALL NOT BE USED TO EMBED AC PIPE.
 3. INSTALL DETECTABLE WARNING TAPE 2'-6" BELOW FINISHED GRADE. DIRECTLY OVER WATER MAIN. REFER TO SECTION 33.14.10 FOR PRODUCT REQUIREMENTS.

DETAIL NO.: 3314206
 NWCWD APPD.: GM
 ORIG DATE: 04/12/2018
 REV DATE: 02/08/2021

VALVE INSTALL ON EXISTING AC PIPE

NORTH WELD COUNTY WATER DISTRICT
 9781 S.W. 86th
 www.nwcwd.org

DETAIL NO.: 3314103
 NWCWD APPD.: GM
 ORIG DATE: 04/18/2018
 REV DATE: 02/08/2021

CONNECTION TO AC WATERLINE

NORTH WELD COUNTY WATER DISTRICT
 9781 S.W. 86th
 www.nwcwd.org

2 VALVE INSTALL ON EXISTING AC PIPE
 SCALE: NONE

1 CONNECTION TO AC WATERLINE
 SCALE: NONE



Trihydro
CORPORATION
1222 Commerce Drive
Littleton, Wyoming 82070
www.trihydro.com
(307)745-3174 (P) 307745-3170

DRAWN BY: RM
CHECKED BY: JG
DATE: 09/03/2024
SCALE: NONE
FILE: 00750-136M-A-SITEPHOTOS

REV.	DATE	DESCRIPTION
E	09/03/2024	ISSUE FOR BID
D	08/16/2024	ISSUE FOR CLIENT REVIEW #3
C	12/01/2023	ISSUE FOR BID
B	11/12/2023	ISSUE FOR CLIENT REVIEW #2
A	11/14/2023	ISSUE FOR CLIENT REVIEW

REVISIONS



3 EAST SITE FENCE LOOKING NORTH
SCALE: NONE



7 EXISTING SITE LOOKING NORTH
SCALE: NONE



2 EAST SIDE NEAR 18-INCH CULVERT INLET
SCALE: NONE



5 FIBER OPTIC MARKER
SCALE: NONE

FOR INFORMATION
ONLY



1 EXISTING SITE LOOKING NORTH
SCALE: NONE



4 NEAR EX. 18-INCH CULVERT ON EAST SIDE OF ROAD
SCALE: NONE



6 2-INCH BLOW-OFF
SCALE: NONE

EXHIBIT B
COST ESTIMATE



TIMNATH 36" WATER LINE ADJUSTMENT
North Weld County Water District and Town of Timnath, CO
COST ESTIMATE - REVISED FINAL DESIGN

August 20, 2024

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE	
				UNIT PRICE	TOTAL AMOUNT
1	Mobilization, Bonds, and Insurance	LS	LUMP SUM	\$49,472	\$49,472
2	Storm Water Permit and Erosion Control	LS	LUMP SUM	\$20,000	\$20,000
3	Potholing	EA	10	\$400	\$4,000
4	Removal And Haul of Existing Pavement	SY	374	\$25	\$9,350
5	Water Main (36-inch, DI, Restrained Joint) - OWNER-FURNISHED	LF	100	\$800	\$80,000
6	Water Main (4-inch, C900 DR 18 Pipe, Restrained Joint)	LF	120	\$505	\$60,600
7	Gate Valve (4-inch , MJ x MJ)	EA	2	\$2,000	\$4,000
8	Tapping Saddle, Tap, and Corporation Stop (1-inch)	EA	1	\$1,500	\$1,500
9	Ductile Iron Fitting (36-inch, 45-degree bend, MJ x MJ) - OWNER-FURNISHED	EA	4	\$9,058	\$36,232
10	Ductile Iron Fitting (36-inch, Solid Sleeve, MJ x MJ) - OWNER-FURNISHED	EA	2	\$9,058	\$18,116
11	Ductile Iron Fitting (4-inch, 45-degree bend, MJ x MJ)	EA	4	\$2,250	\$9,000
12	Ductile Iron Fitting (4-inch, ROMAC MACRO Coupling)	EA	6	\$1,750	\$10,500
13	Dewatering	LS	LUMP SUM	\$50,000	\$50,000
14	Disinfection	LS	LUMP SUM	\$7,000	\$7,000
15	Hydrostatic Testing	LS	LUMP SUM	\$1,100	\$1,100
16	Pipe Culvert (18-inch, RCP)	LF	56	\$275	\$15,400
17	Pipe Culvert Flared End Section (18-inch, RCP)	EA	2	\$3,000	\$6,000
18	Riprap (Type D50 = 9-inch, 18-inches Thick)	CY	4	\$875	\$3,500
19	Asphalt Patch (6-inch Depth)	SY	374	\$107	\$40,018
20	Crushed Base (12-inch Depth)	CY	137	\$131	\$17,947
21	Site Restoration	LS	LUMP SUM	\$3,000	\$3,000
22	Temporary Traffic Control	LS	LUMP SUM	\$35,000	\$35,000
Estimated Construction Cost - Subtotal					\$481,735
Contingency (10%)					\$48,174
Estimated Construction Cost + Contingency (10%) Subtotal					\$529,909
Owner-Furnished Materials					\$94,351
Total					\$624,260