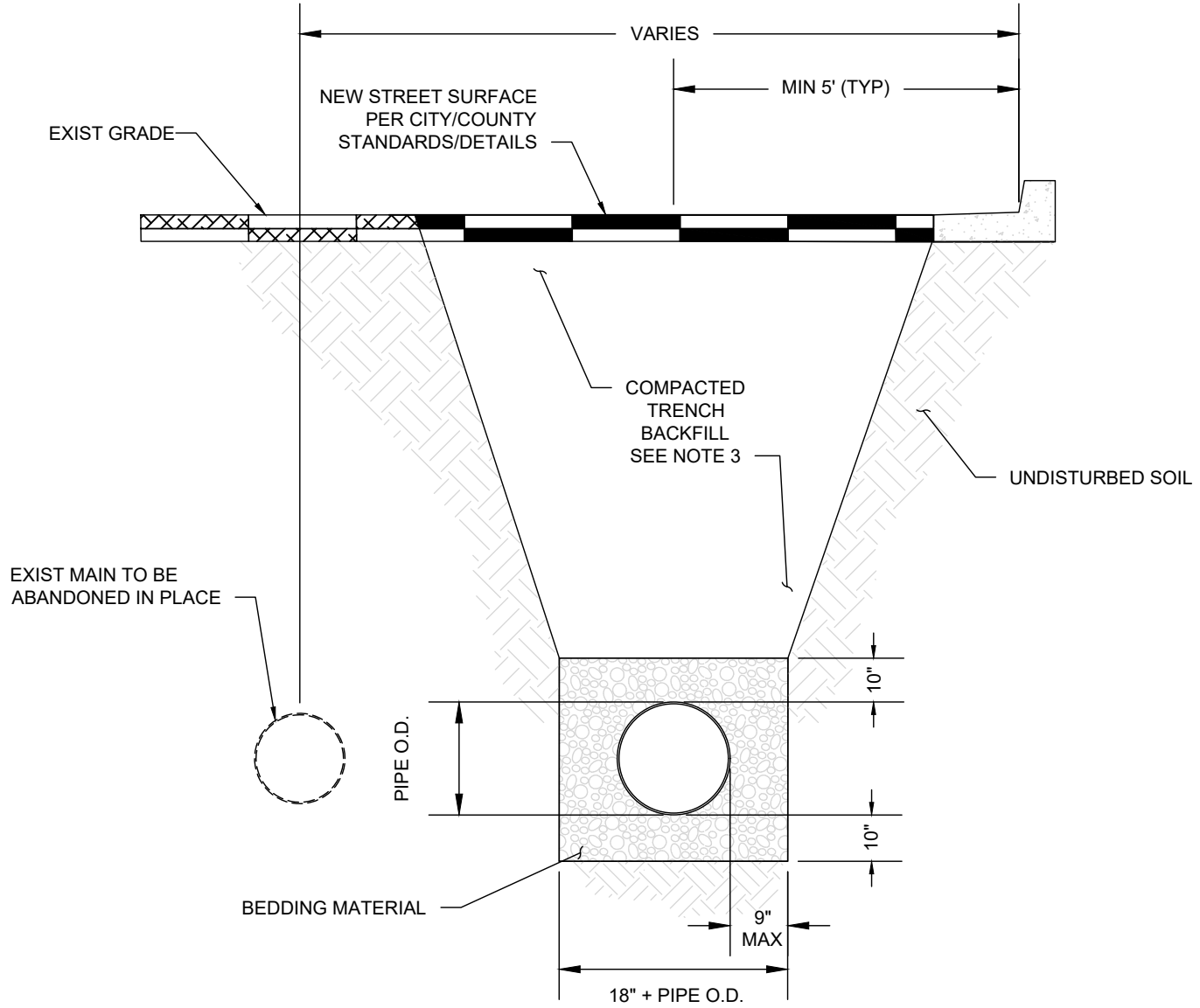


- NOTES:
- 1. MINIMUM COVER SHALL BE 4'-6" BELOW OFFICIAL STREET GRADE.
 - 2. TRENCH SHALL CONFORM TO APPLICABLE OSHA REQUIREMENTS.
 - 3. COMPACTION SHALL BE IN ACCORDANCE WITH DENVER WATER ENGINEERING STANDARDS CHAPTER 7.

REVISED		<div></div> <div>TYPICAL TRENCH DETAIL WITHOUT CURB</div>	SCALE
BY	DATE		NOT TO SCALE
			ISSUE DATE
			JULY 2021
			APPROVED
			DRAWING NO. W-01

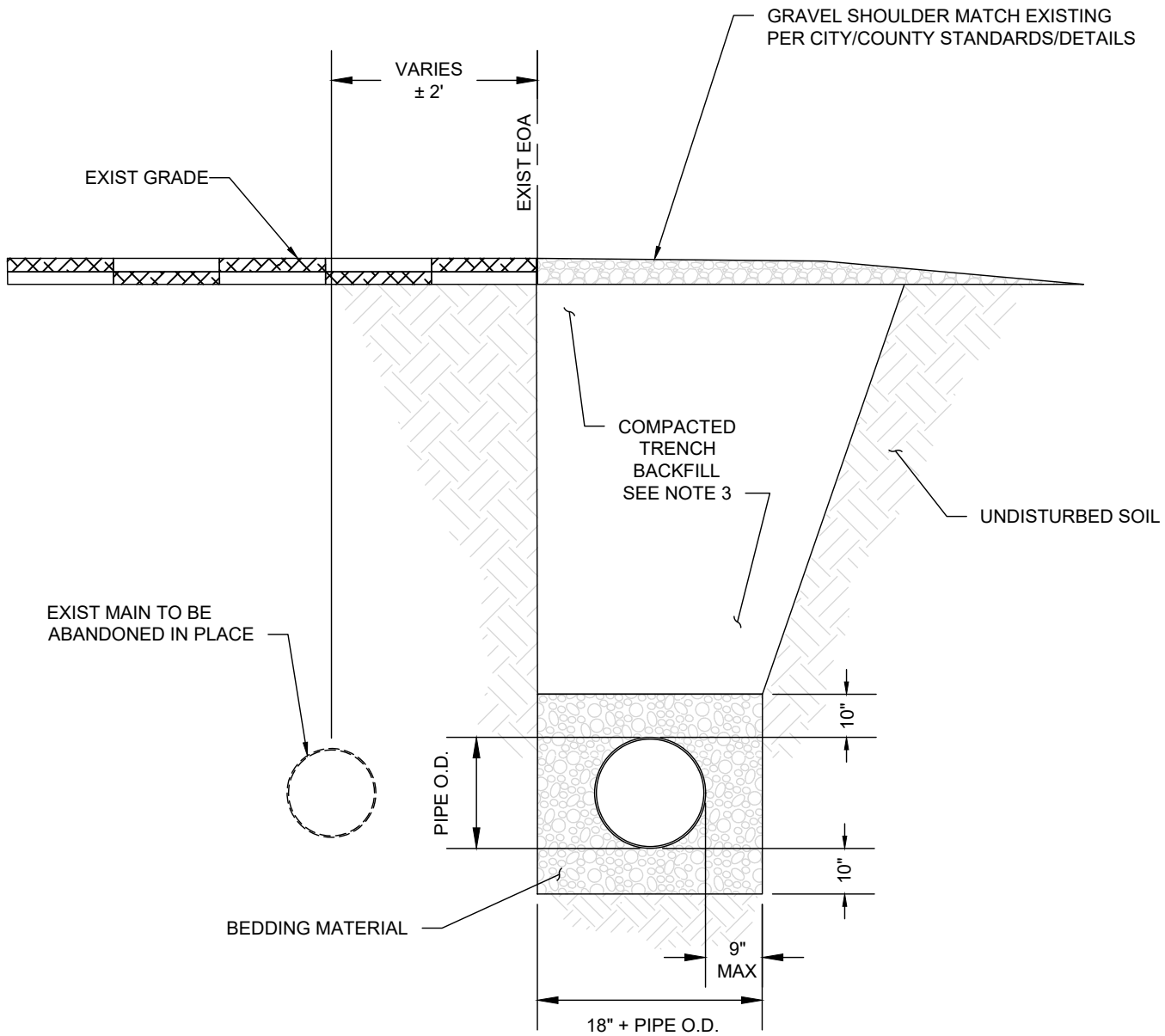


NOTES:


1. MINIMUM COVER SHALL BE 4'-6" BELOW OFFICIAL STREET GRADE.
2. TRENCH SHALL CONFORM TO APPLICABLE OSHA REQUIREMENTS.
3. COMPACTION SHALL BE IN ACCORDANCE WITH DENVER WATER ENGINEERING STANDARDS CHAPTER 7.

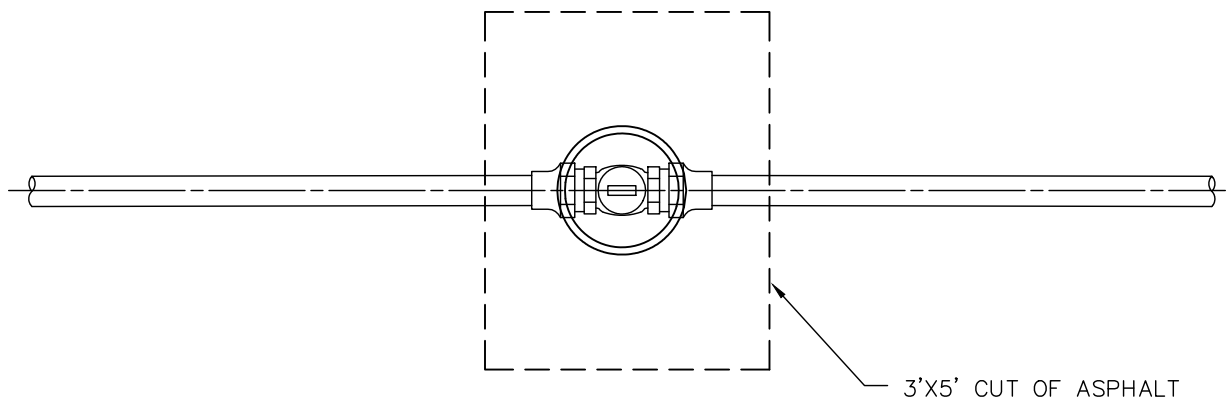
REVISED		<div> TYPICAL TRENCH DETAIL WITH CURB</div>	SCALE	
BY	DATE		NOT TO SCALE	
			ISSUE DATE	
			JULY 2021	
			APPROVED	DRAWING NO. W-02

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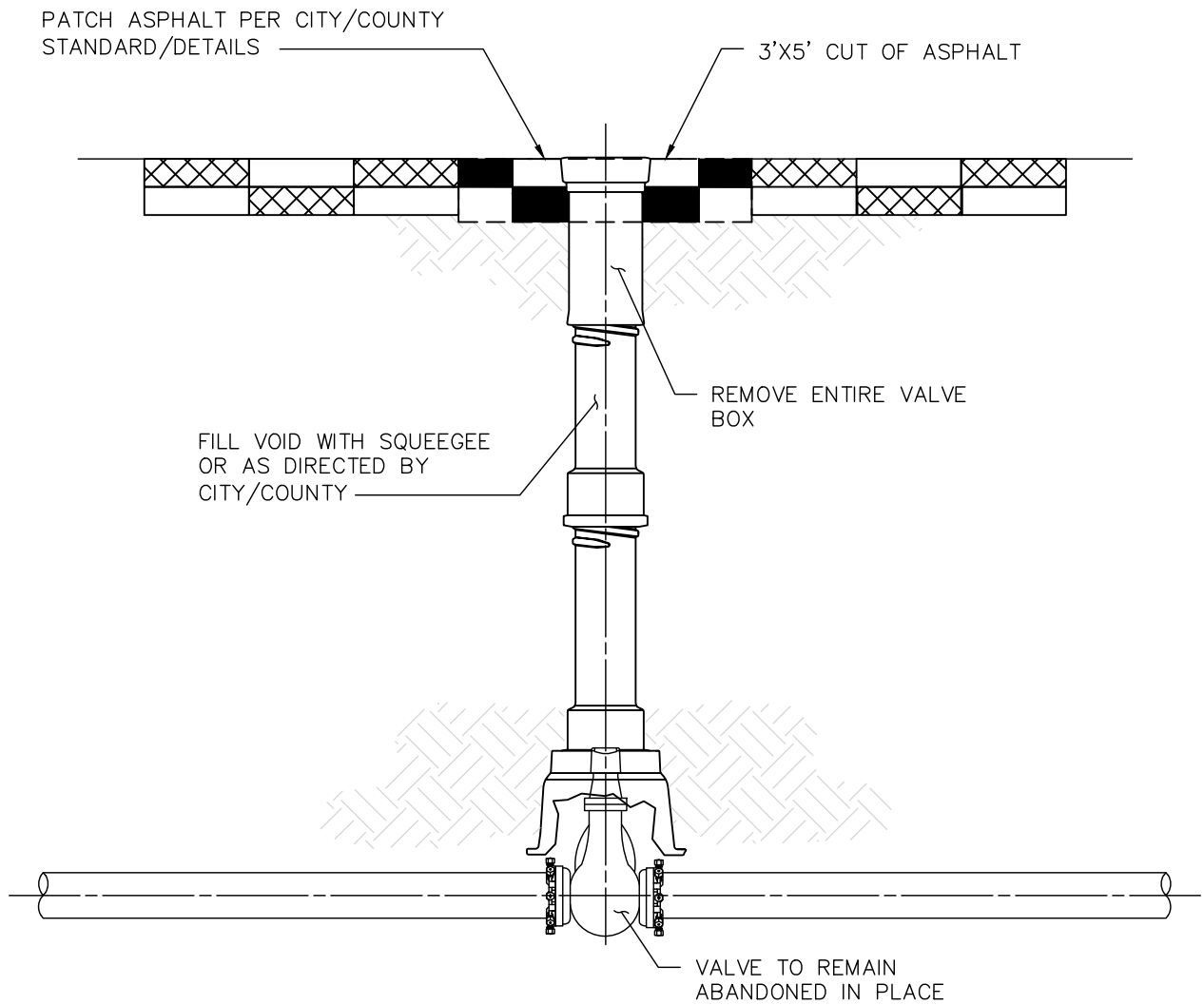


- NOTES:**
- 1. MINIMUM COVER SHALL BE 4'-6" BELOW OFFICIAL STREET GRADE.
 - 2. TRENCH SHALL CONFORM TO APPLICABLE OSHA REQUIREMENTS.
 - 3. COMPACTION SHALL BE IN ACCORDANCE WITH DENVER WATER ENGINEERING STANDARDS CHAPTER 7.

REVISED		<div></div> <div>TYPICAL TRENCH DETAIL WITH GRAVEL SHOULDER</div>	SCALE	
BY	DATE		NOT TO SCALE	
			ISSUE DATE	
			JULY 2021	
			APPROVED	DRAWING NO.
				W-03



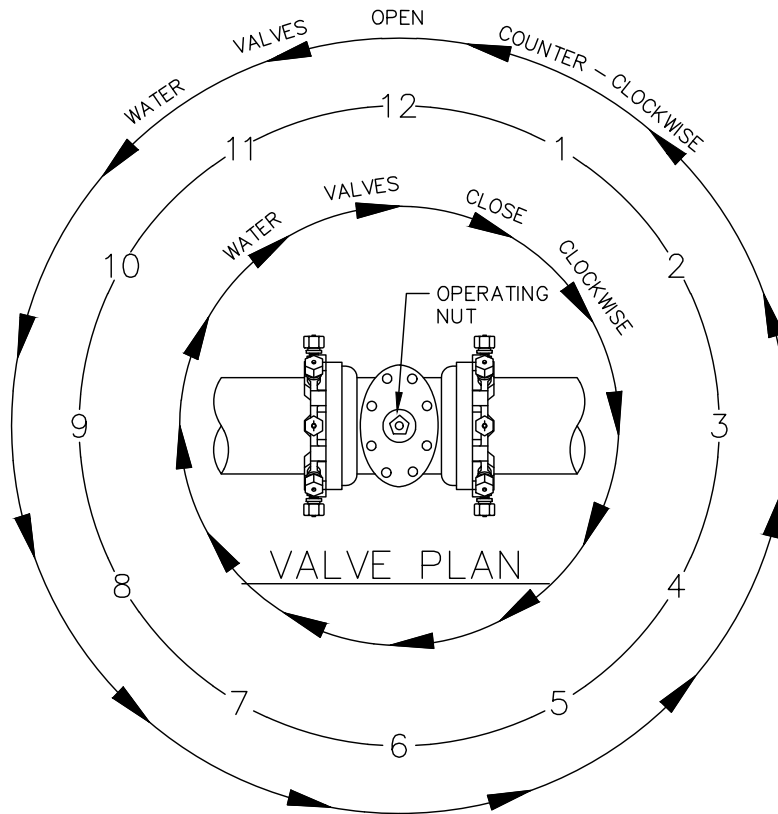
PLAN



ELEVATION

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REVISED			SCALE
BY	DATE		NOT TO SCALE
		VALVE ABANDONMENT	ISSUE DATE
			JULY 2021
			APPROVED
			DRAWING NO.
			W-05

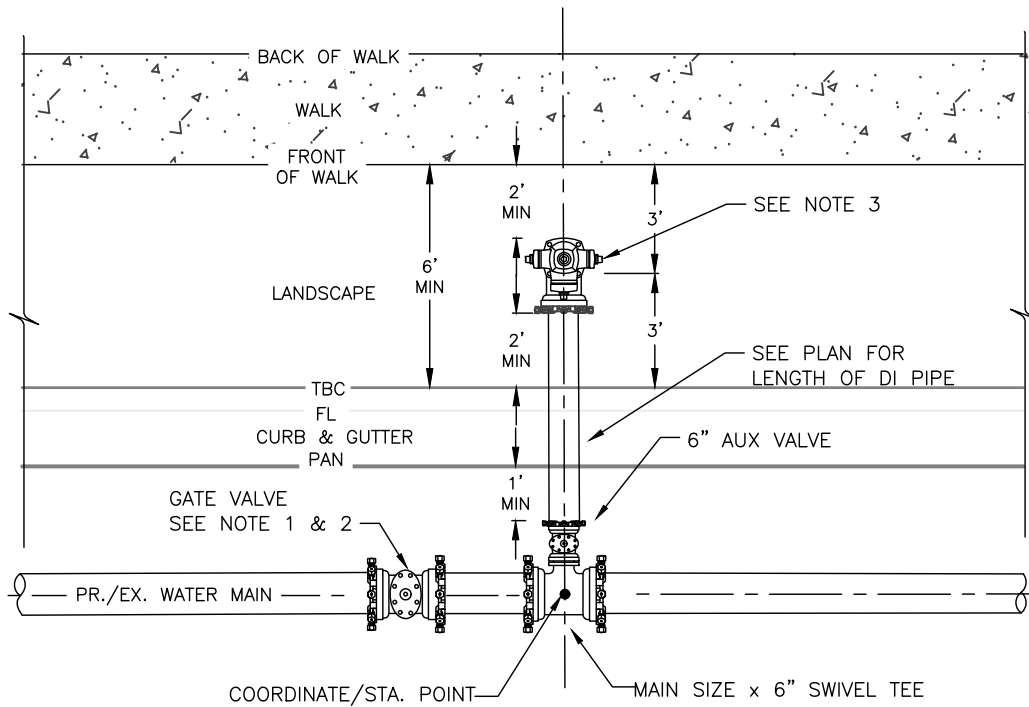


TREATED/POTABLE
VALVE OPENING & CLOSING DIRECTION

NOTES:

1. CONSOLIDATED MUTUAL WATER VALVES ARE OPEN LEFT.

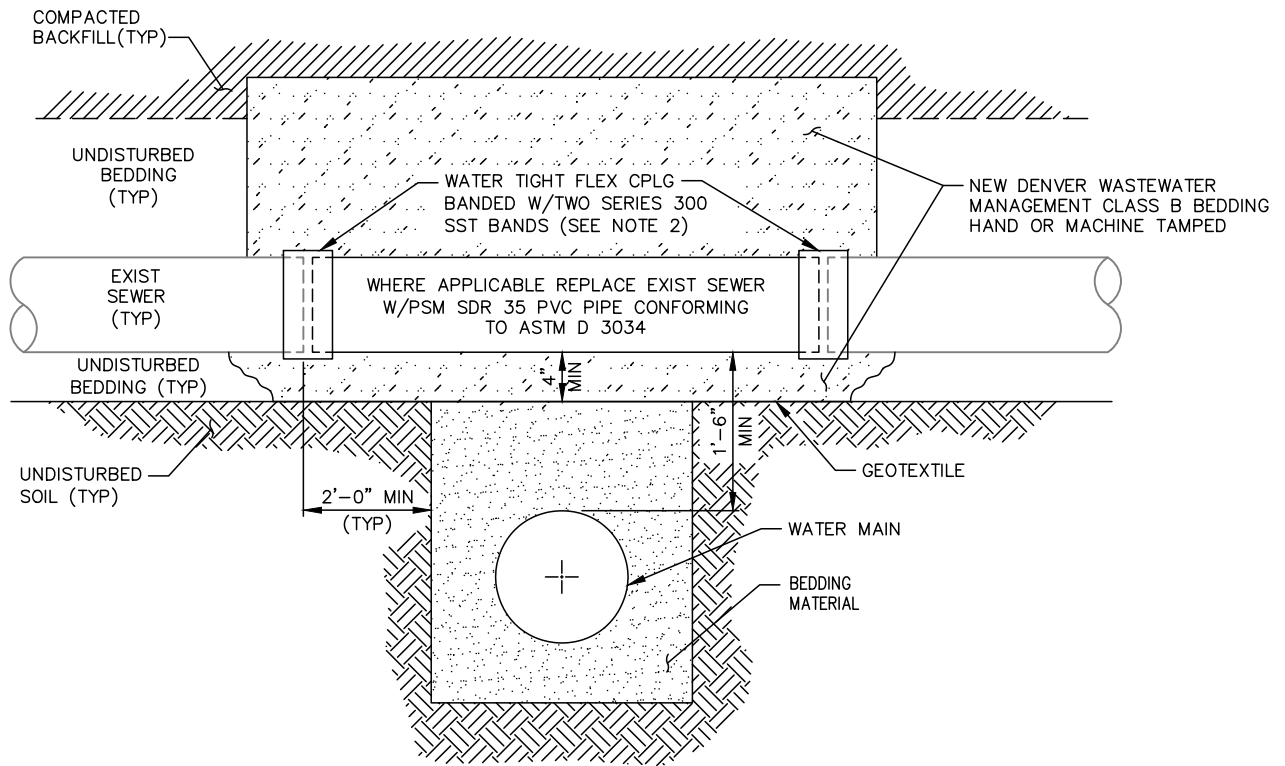
REVISED			SCALE
BY	DATE		NOT TO SCALE
		VALVE OPERATION	ISSUE DATE
			JULY 2021
			APPROVED
			DRAWING NO.
			W-06



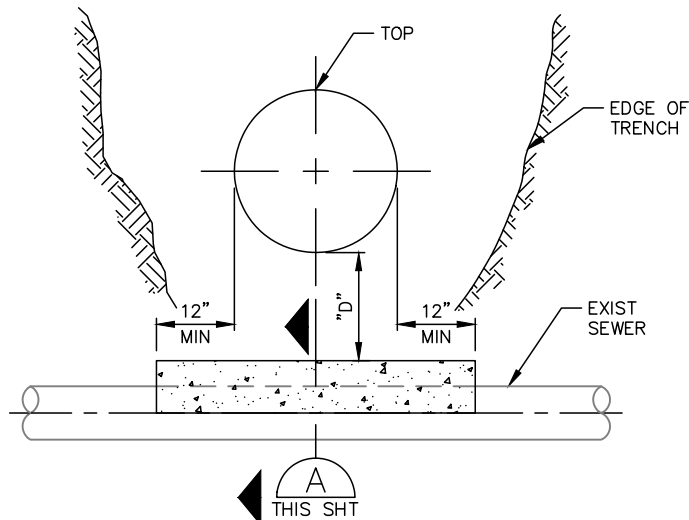
NOTES:

1. MAIN LINE ISOLATION VALVE'S LOCATION RELATIVE TO FH TEE VARIES, SEE PLAN SHEET FOR LOCATION.
2. ANCHOR COUPLING OR SHORT SECTION (3' MIN) OF MAIN TO BE USED TO TIE ISOLATION VALVE TO FH TEE.
3. FIRE HYDRANT TO BE WATEROUS PACER WB-67-250 (DENVER STD 5'6") DANA KEPNER COMPANY MODEL #56LWP25056DENMR.

REVISED			SCALE	
BY	DATE		NOT TO SCALE	
		TYPICAL FIRE HYDRANT	ISSUE DATE	
			JULY 2021	
			APPROVED	DRAWING NO. W-07

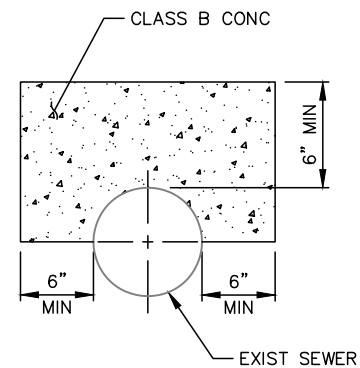


SEWER CROSSING OVER



SEWER CROSSING UNDER

WITH "D" LESS THAN 2'



SECTION A

NOTES:

1. ANY EXISTING SEWER DAMAGED DURING INSTALLATION MUST BE REPLACED WITH PVC PIPE.
2. IN THE CITY AND COUNTY OF DENVER, WASTEWATER MANAGEMENT APPROVED FLEX COUPLING SHALL BE USED: FERNCO 5000 SERIES REPAIR COUPLING, MISSION FLEX-SEAL ADJUSTABLE REPAIR COUPLING, ONSET SHEAR GUARD.
3. ANY SUBDRAIN UNDER THE SEWER SHALL BE REPLACED SUCH THAT NO FLOW SHALL ENTER THE WATER LINE TRENCH.

REVISED

BY DATE



STORM AND SANITARY SEWER CROSSING

SCALE

NOT TO SCALE

ISSUE DATE

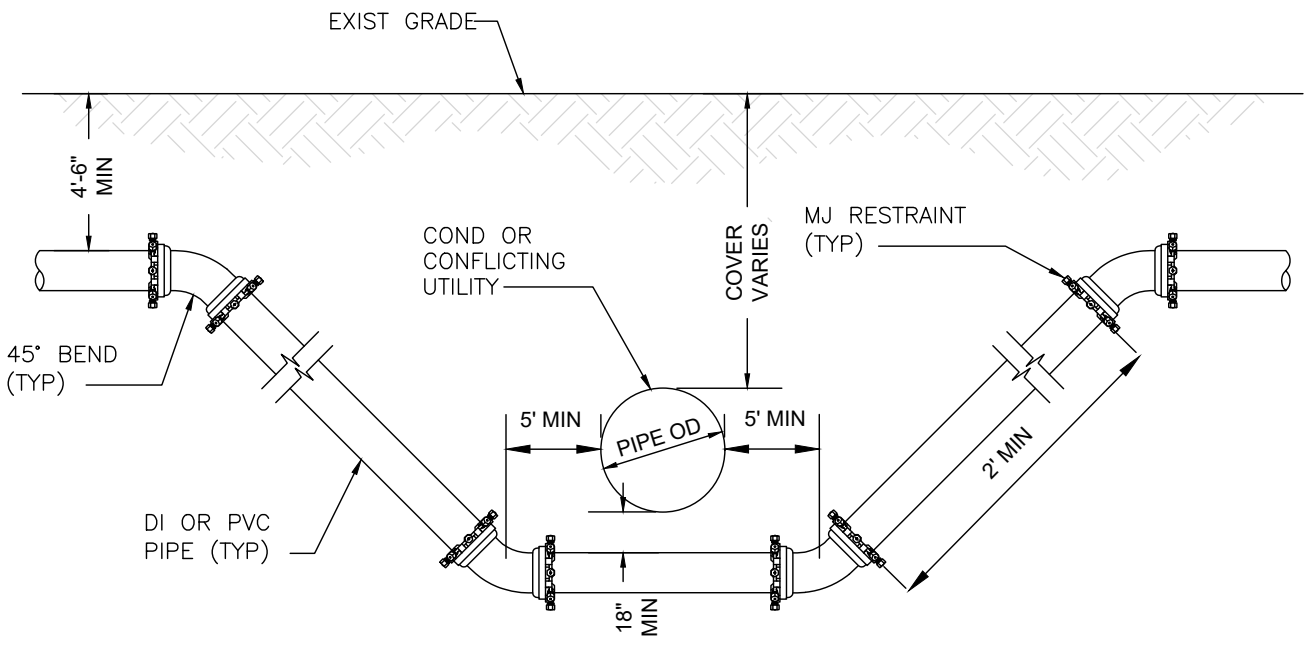
JULY 2021

APPROVED

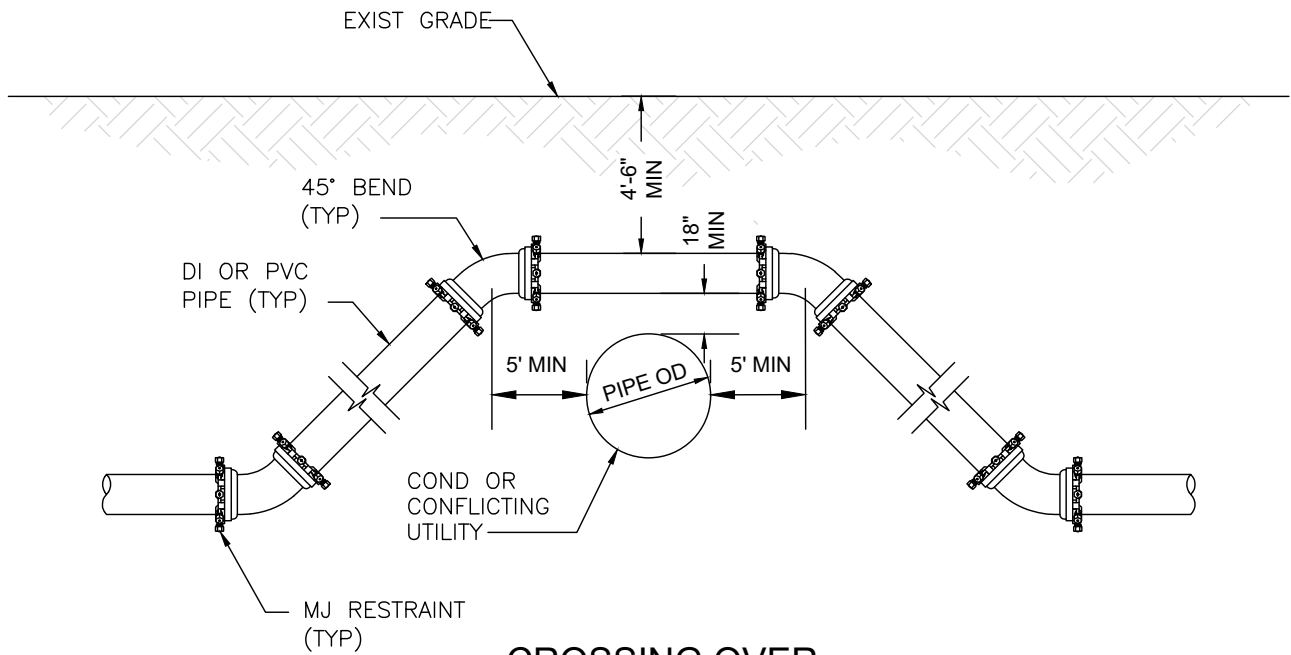
DRAWING NO.

W-08

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CROSSING UNDER.

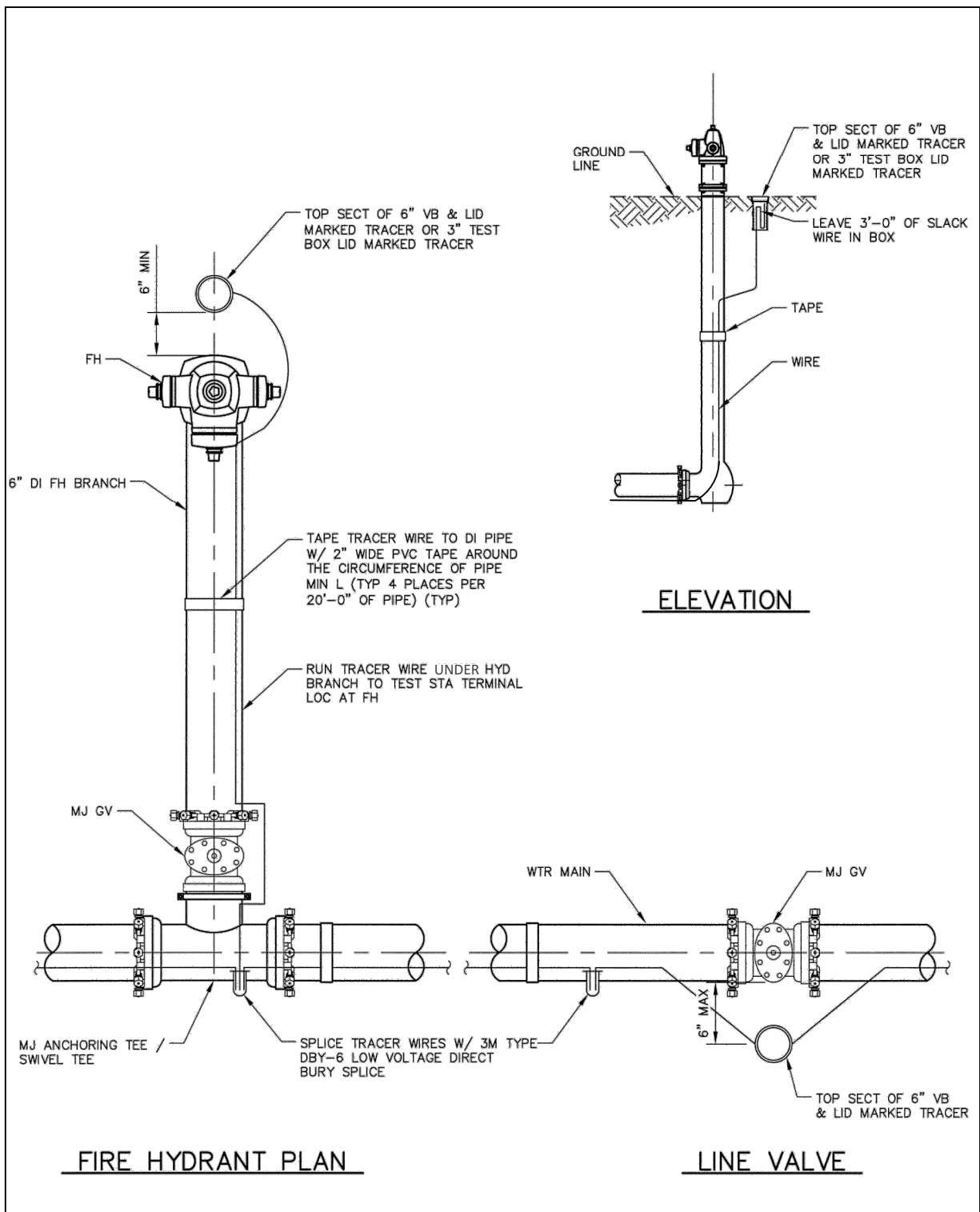


CROSSING OVER

NOTES:

1. THRUST BLOCK & RESTRAINT PER DENVER WATER SPECIFICATION (THRUST BLOCKS & RESTRAINTS NOT SHOWN FOR DETAIL CLARITY)

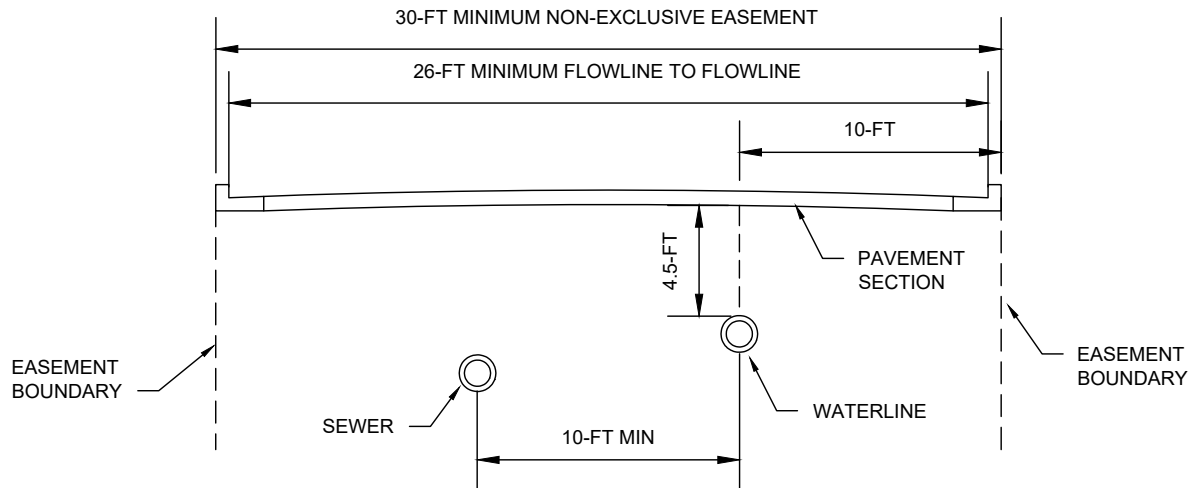
REVISED		 OPEN CUT CROSSING OVER OR UNDER CONDUIT OR CONFLICTING UTILITY	SCALE
BY	DATE		NOT TO SCALE
			ISSUE DATE
			JULY 2021
			APPROVED
			DRAWING NO. W-09



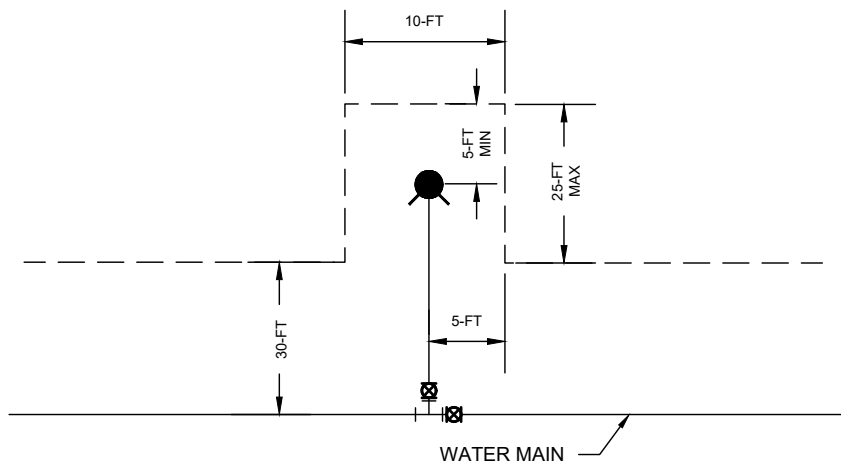
NOTES:

1. TRACER WIRE TO BE INSTALLED ON BOTTOM SIDE OF WATER MAIN

REVISED		 <p>TRACER WIRE INSTALLATION FOR PVC WATER MAIN</p>	SCALE	
BY	DATE		NOT TO SCALE	
			ISSUE DATE	
			JULY 2021	
			APPROVED	DRAWING NO. W-10



TYPICAL CROSS SECTION WATER MAIN IN EASEMENT

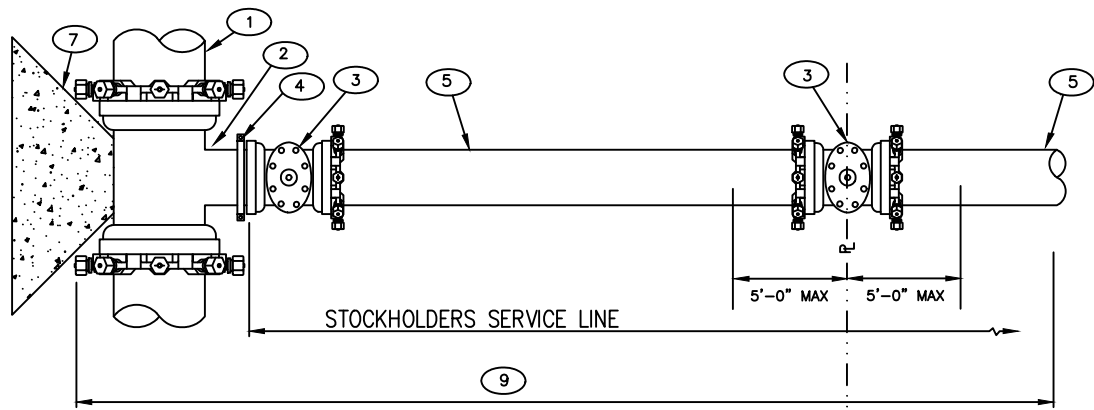


FIRE HYDRANT EASEMENT PLAN

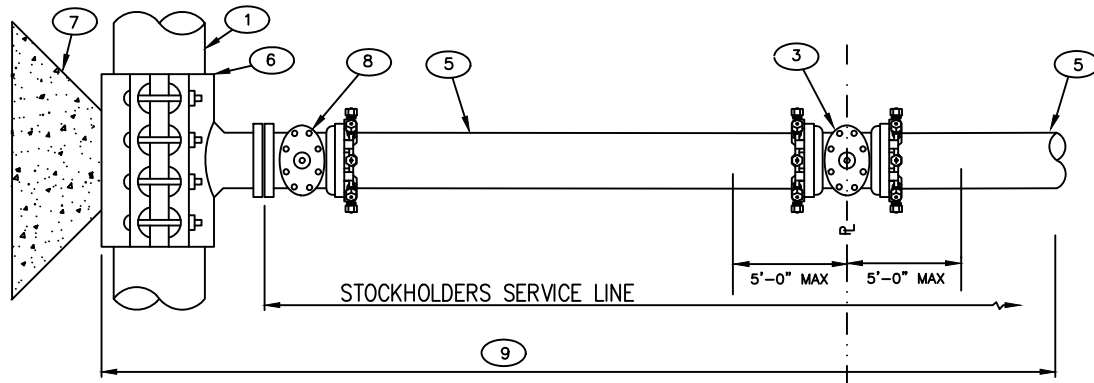
NOTES:

1. WATER MAIN TO BE AT 10' FROM EDGE OF EASEMENT. ANY MODIFICATIONS MUST BE PRE-APPROVED BY CMWC.
2. WATER TO BE AT 4.5' BELOW GRADE. ANY MODIFICATIONS MUST BE PRE-APPROVED BY CMWC.

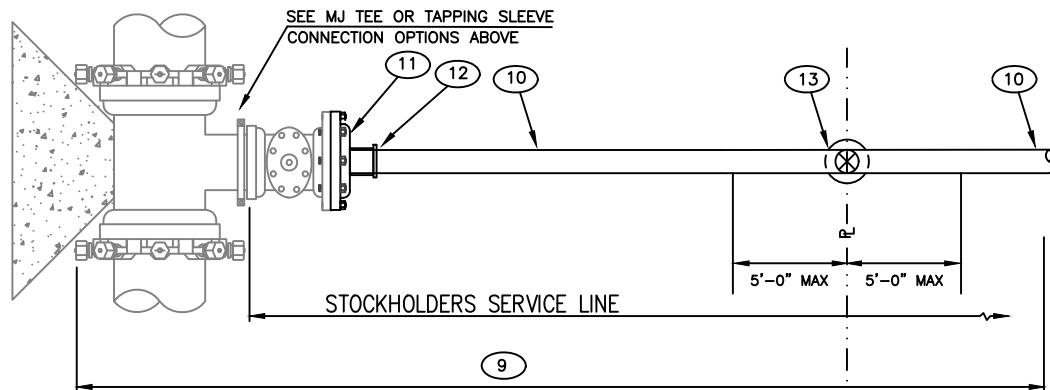
REVISED			SCALE	
BY	DATE		NOT TO SCALE	
		TYPICAL CROSS SECTION IN EASEMENT AND FIRE HYDRANT EASEMENT	ISSUE DATE	
			JULY 2021	
			APPROVED	DRAWING NO.
			W-11	



4" AND LARGER TEE CONNECTION



4" & LARGER TAPPING TEE CONNECTION



2" FIRE LINE DETAIL

KEY NOTES:

- (1) WTR MAIN
- (2) MJ TEE
- (3) MJ GV
- (4) ANCHOR COUPLING
- (5) DI PIPE FULLY RESTRAINED
- (6) TAPPING SLV
- (7) CONC KB PER DENVER WATER DETAIL
- (8) TAPPING VALVE FLG X MJ
- (9) POLYETHYLENE WRAPPED
- (10) 2" TYPE K COPPER
- (11) 4" x 2" MJ TAPPED PLUG
- (12) 2" MIP x COMPRESSION
- (13) 2" CURB STOP

THE CONSOLIDATED MUTUAL WATER COMPANY

FIRE LINE CONNECTIONS

DRAWN BY: HEH

DATE: 12-2020

SCALE: NTS

REVISED: