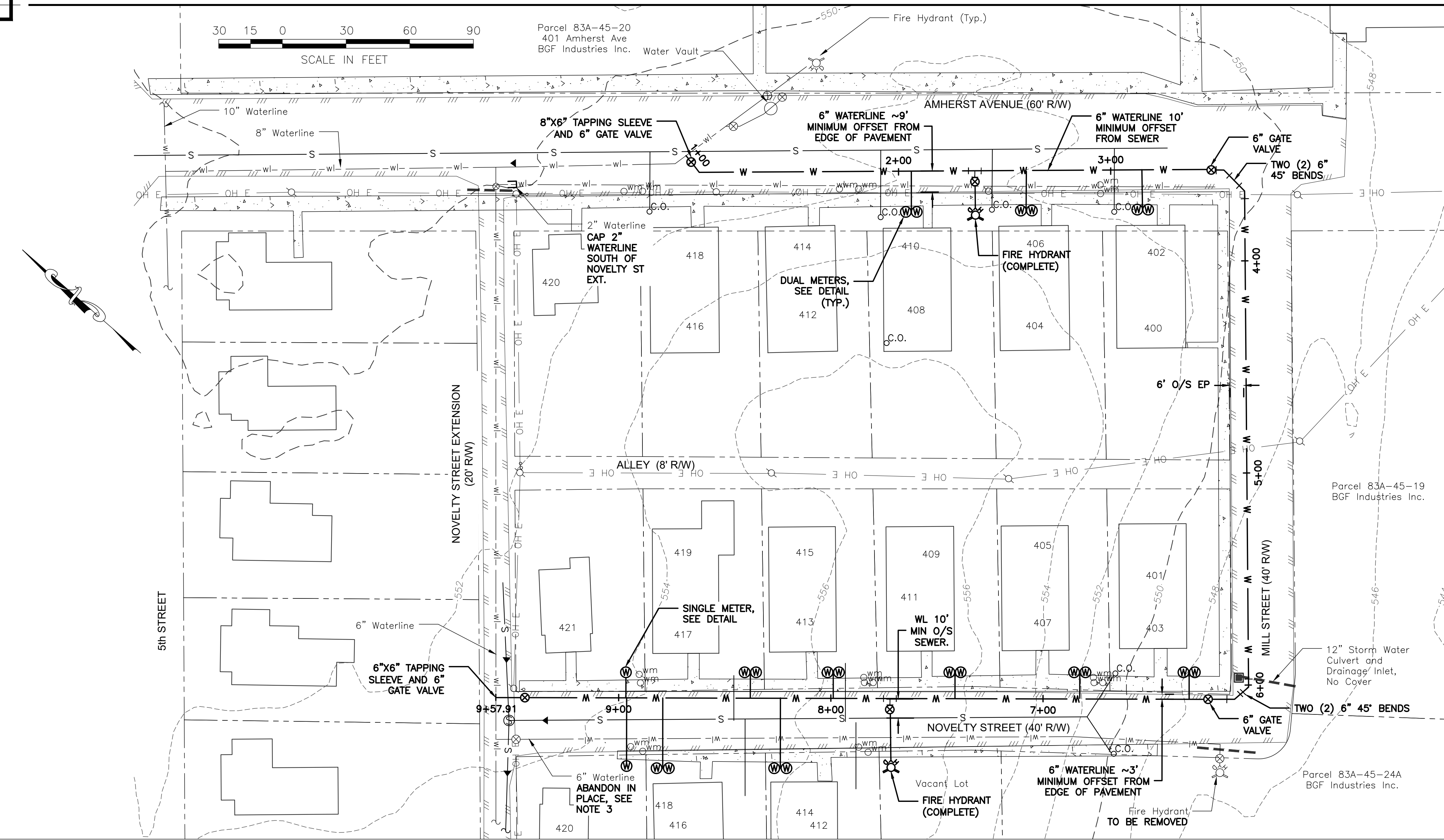


Parcel 83A-45-20
401 Amherst Ave
BGF Industries Inc.



LEGEND

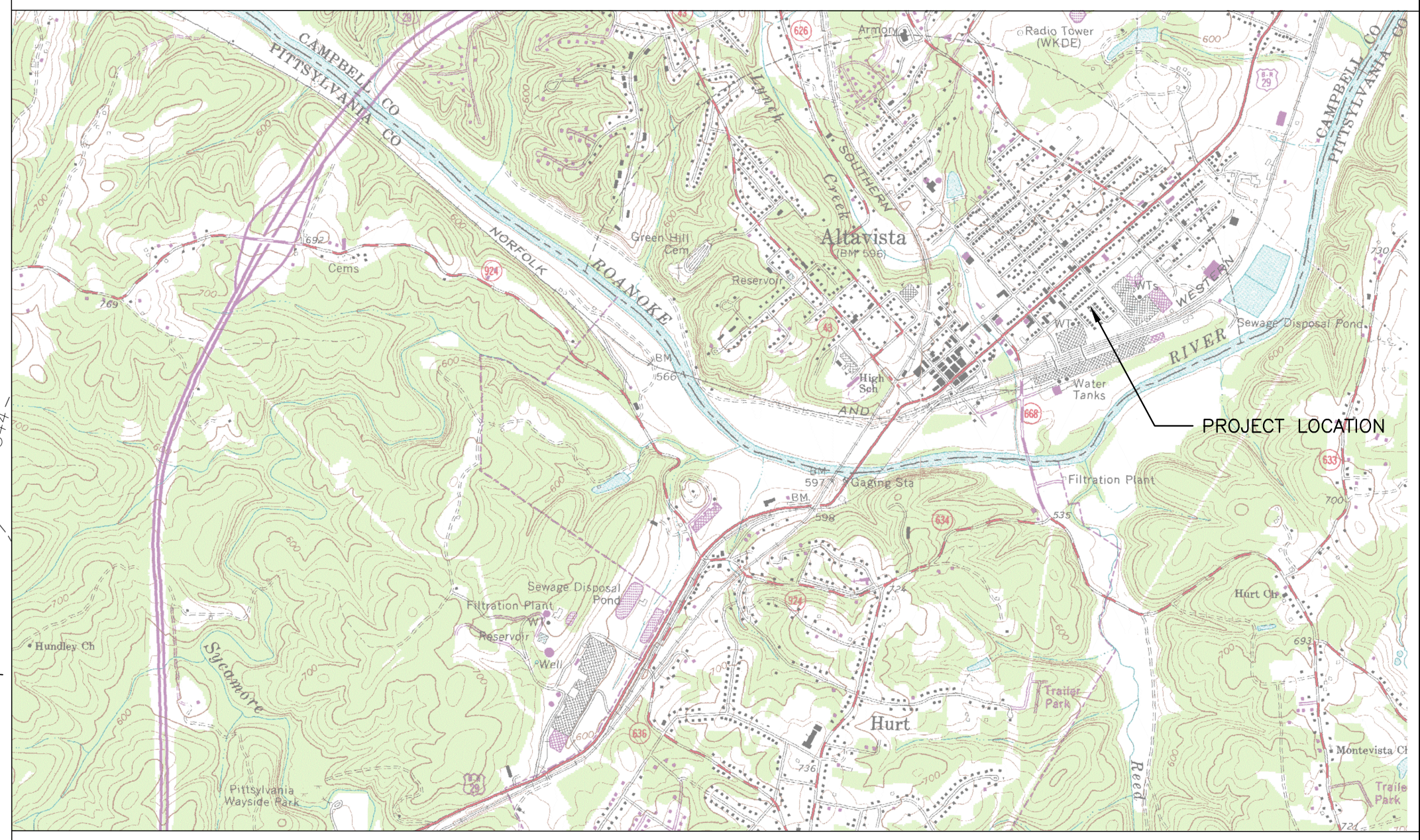
---wl---	EXISTING WATERLINE	---w---	PROPOSED WATERLINE
⊗wm	EXISTING WATER METER	⊗w	PROPOSED WATER METER
⊗	EXISTING FIRE HYDRANT	⊗	PROPOSED FIRE HYDRANT (COMPLETE)
	EXISTING EDGE OF PAVEMENT		
- - - - -	EXISTING PROPERTY BOUNDARY		
OH E	EXISTING OVERHEAD ELECTRIC		
[Pattern]	EXISTING SIDEWALK		
- - - - -	EXISTING STORM SEWER		
- - - - -	EXISTING SANITARY SEWER		

PROJECT OWNER
TOWN OF ALTAVISTA
ATTN TOM FORE
P.O. BOX 420
ALTAVISTA, VA 24517

DESIGN ENGINEER
PEED & BORTZ, LLC
20 MIDWAY PLAZA DRIVE SUITE 100
CHRISTIANSBURG, VA 25073

LINEAR DISTURBANCE: 860 LF
ADDITIVE DISTURBANCE: 280 LF
LATITUDE/LONGITUDE: 37.1123; -79.2813

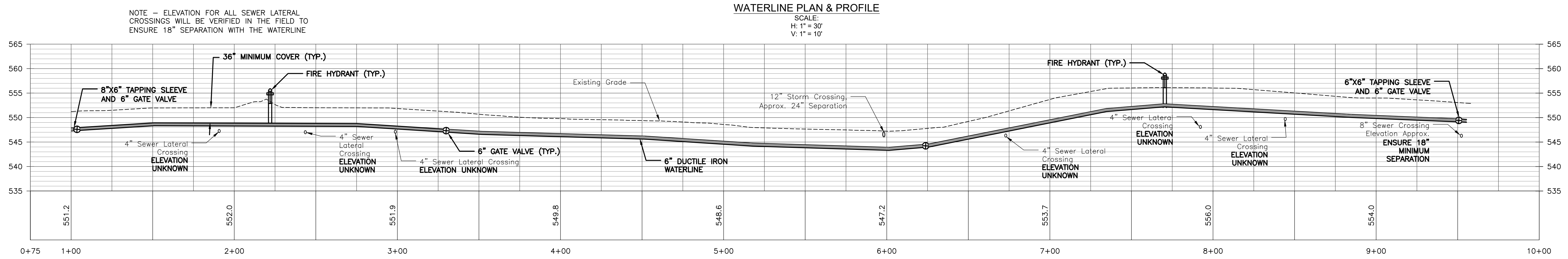
- NOTES:**
1. REPLACE METER, SETTER, AND SERVICE LINE TO MAIN
 2. TOWN TO INSTALL NEW METERS AT HOUSES 420, 418, 416, 414, 412 AMHERST AVENUE
 3. TO ABANDON WATERLINE CLOSE VALVE, REMOVE VALVE BOX, CAP EX. MAIN DOWNSTREAM OF VALVE
 4. ALL WORK TO TAKE PLACE IN TOWN RIGHT OF WAY
 5. ALL WORK WILL BE CONSTRUCTED PER MOST RECENT APPROVED TOWN OF ALTAVISTA CONSTRUCTION SPECIFICATIONS, DATED 12/2018
 6. C01 - TOPOGRAPHIC INFORMATION TAKEN FROM 2022 VGIN DEM
 7. ALL WORK ON C01 IS CONSTRUCTED UNDER BASE BID. WORK ON C02 IS CONSTRUCTED UNDER ADDITIVE ALTERNATE



VICINITY MAP
1"=2000'

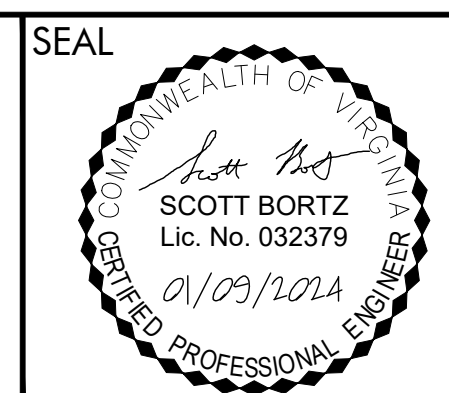
WATERLINE PLAN & PROFILE

SCALE:
H: 1" = 30'
V: 1" = 10'



Peed & Bortz, L.L.C.
CIVIL & ENVIRONMENTAL ENGINEERS
20 MIDWAY PLAZA DRIVE - SUITE 100
CHRISTIANSBURG, VIRGINIA 24073
PHONE: (540) 394 - 3214 FAX: (540) 394 - 3215

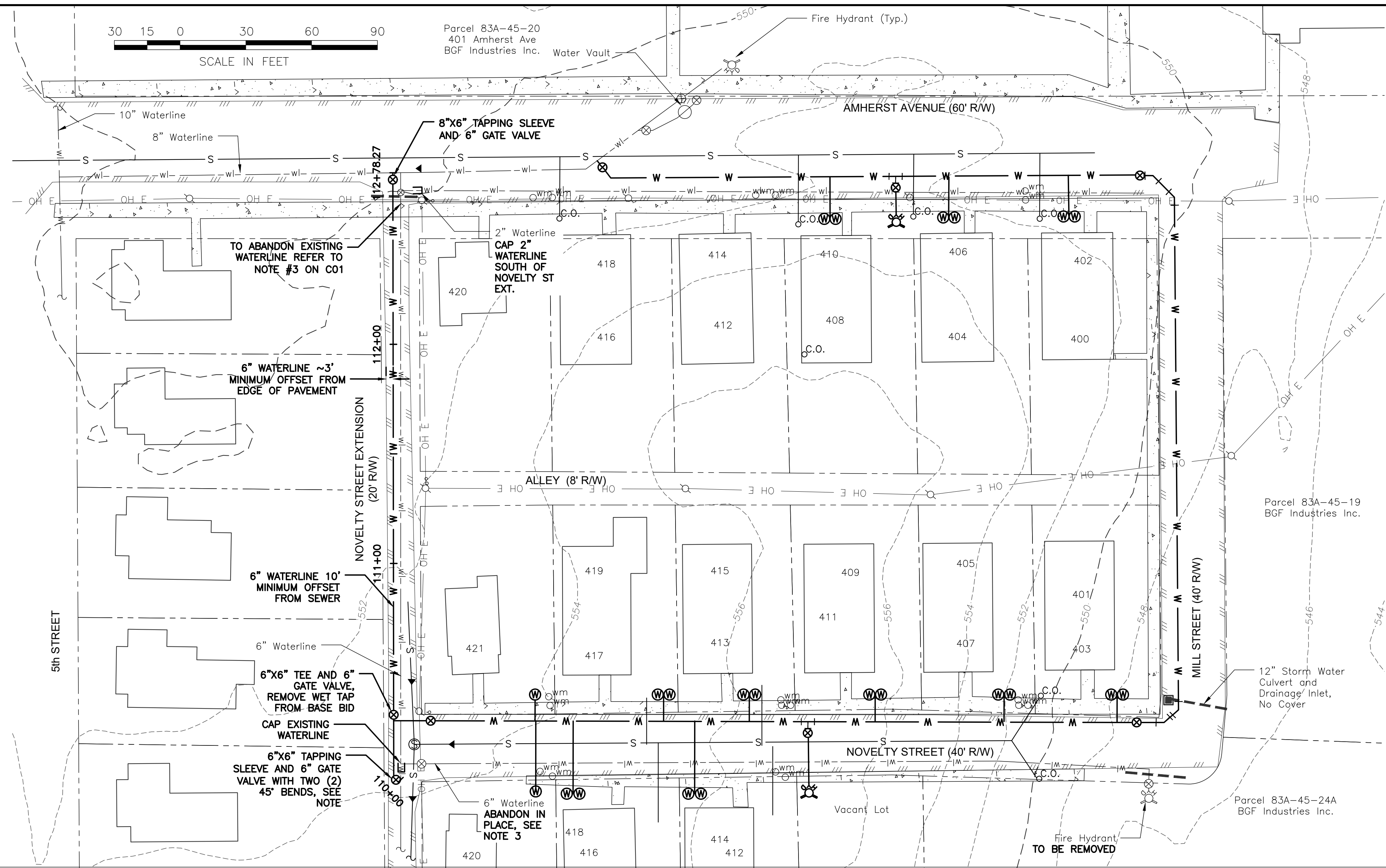
**AMHERST AND NOVELTY STREET
WATER LOOP**
TOWN OF ALTAVISTA VIRGINIA



DRAWN BY: JFS
REVIEW BY: SMB
DATE: JAN 09 2024
REVISION:

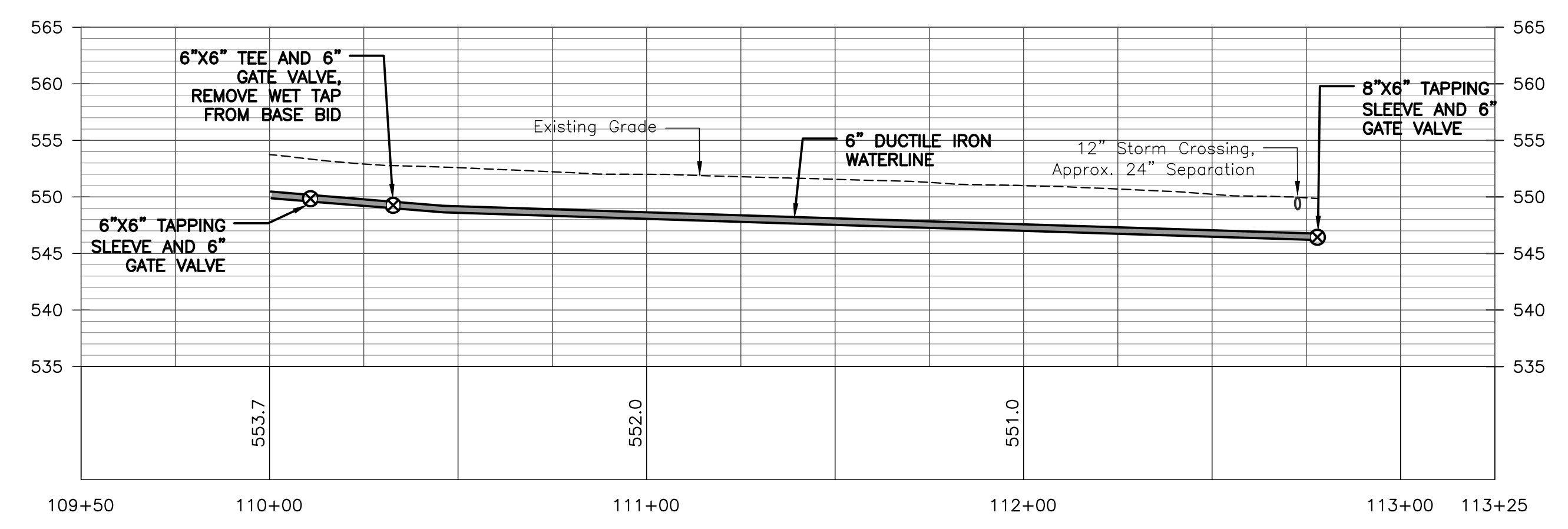
SHEET DESCRIPTION:
PLAN AND PROFILE

C01



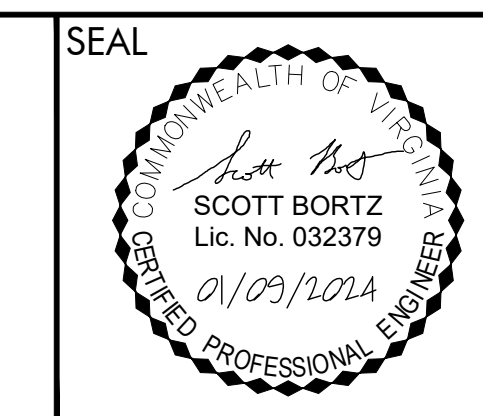
WATERLINE PLAN & PROFILE
SCALE:
H: 1" = 30'
V: 1" = 10'

NOTE - BASE BID WATERLINE AND METERS WILL BE OPERATIONAL PRIOR TO MAKING ADD ALTERNATE 1 WET TAPS



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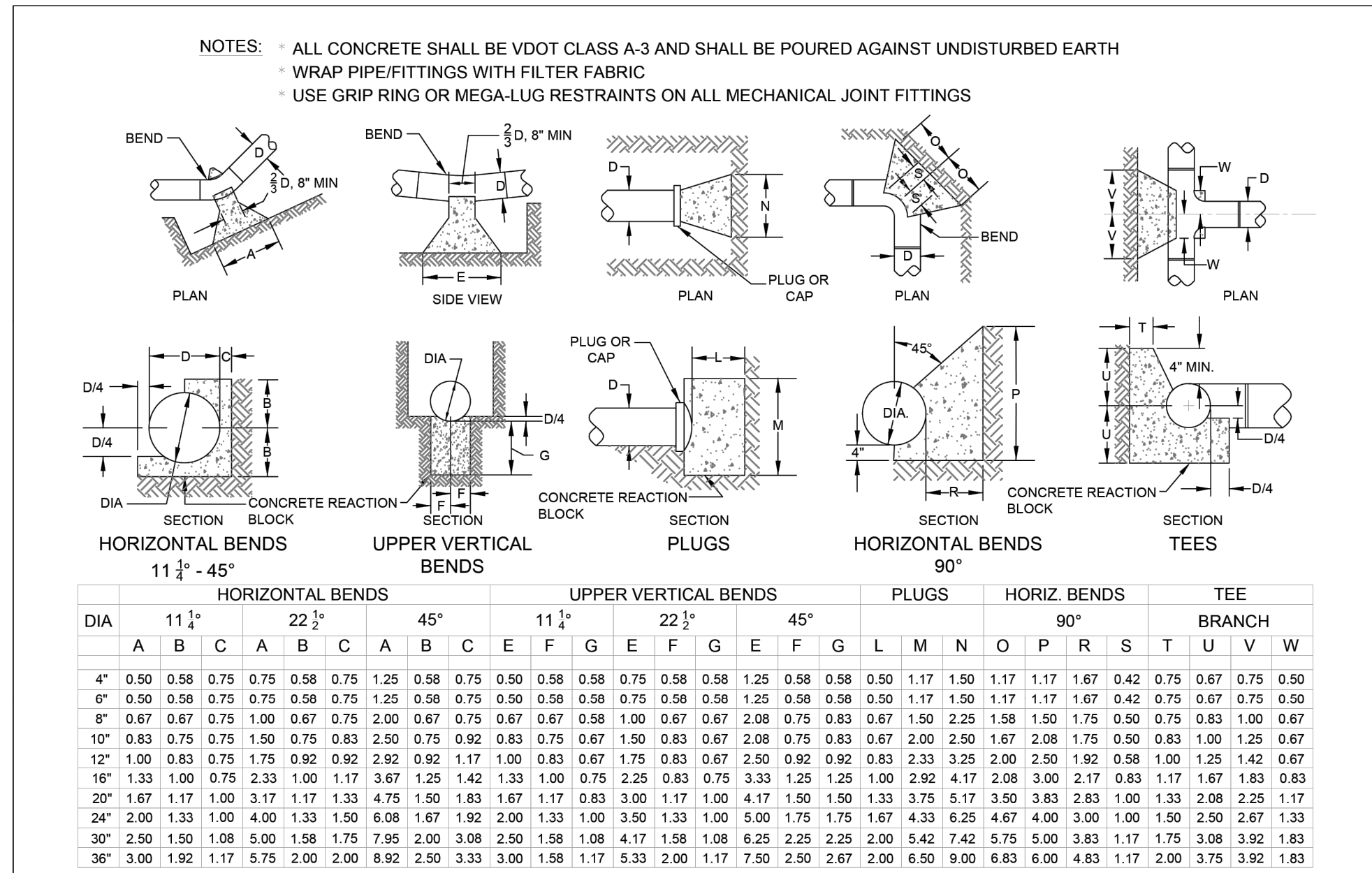
**AMHERST AND NOVELTY STREET
WATER LOOP**
TOWN OF ALTAVISTA VIRGINIA



DRAWN BY: JFS
REVIEW BY: SMB
DATE: JAN 09 2024
REVISION:

SHEET DESCRIPTION:
NOVELTY STREET
EXTENSION ADD
ALTERNATE 1

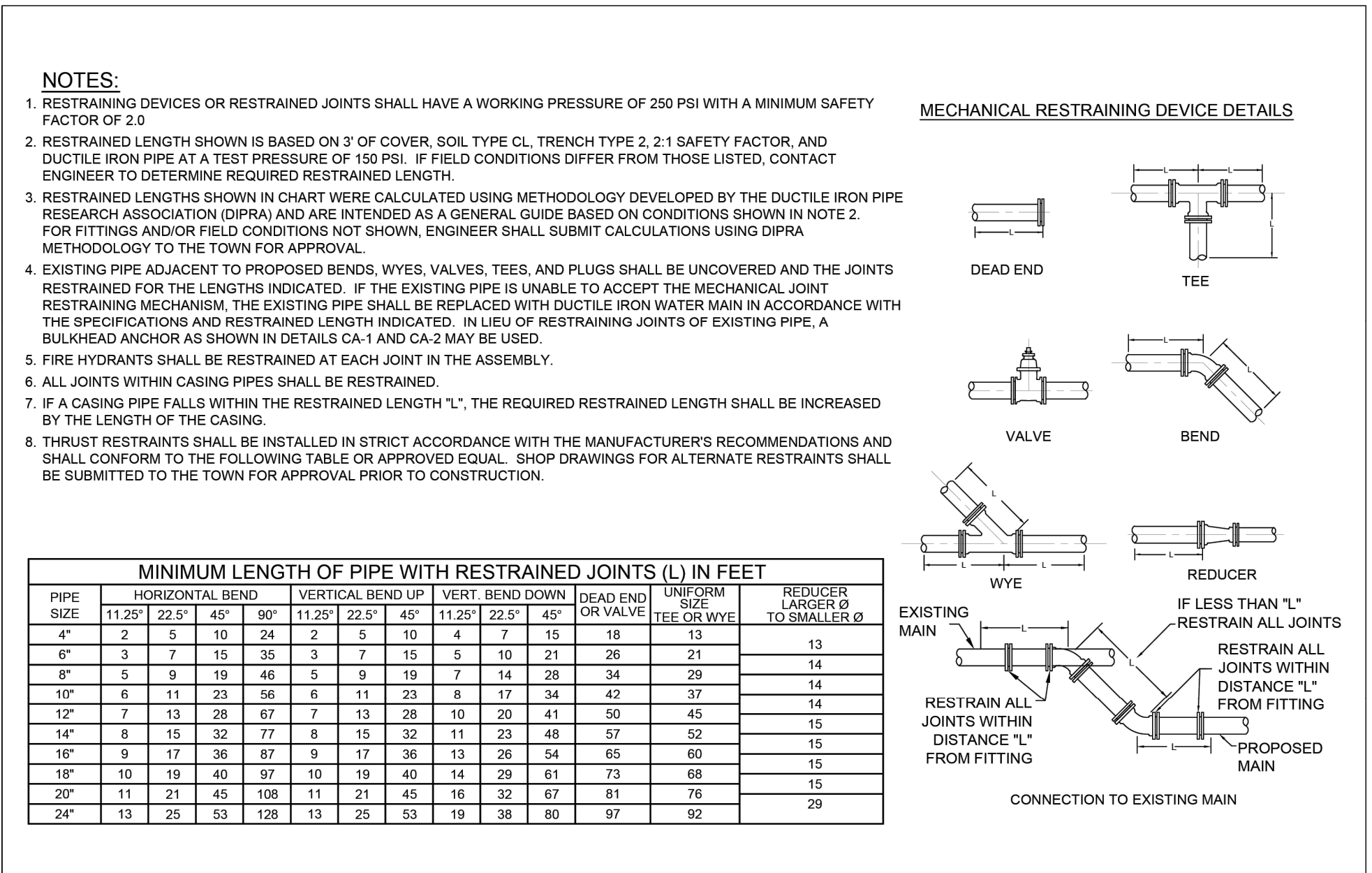
C02



TOWN OF ALTAVISTA VIRGINIA

REACTION AND BLOCKING WATER AND SANITARY SEWER FORCE MAIN FACILITIES

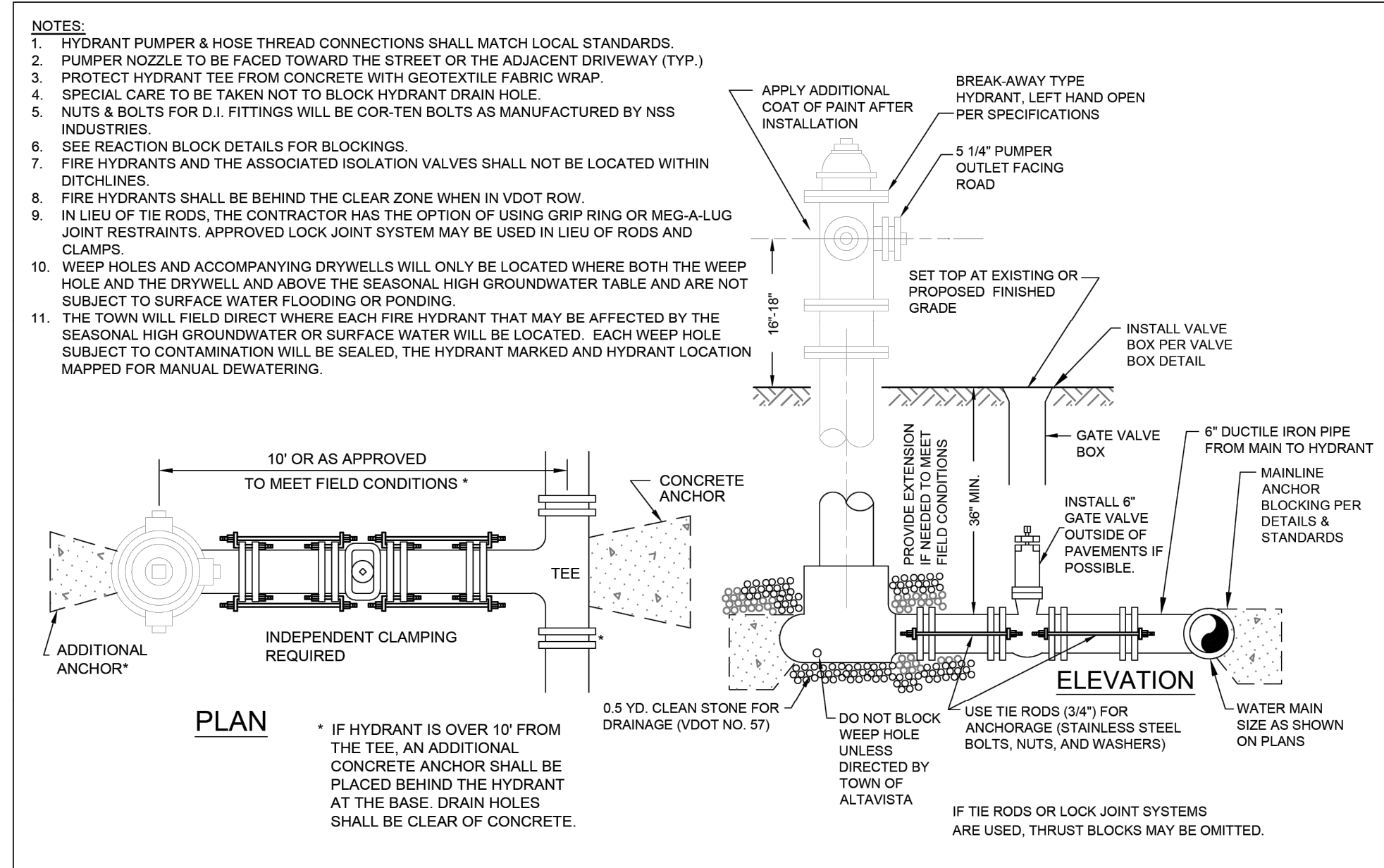
DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO. CA-01



TOWN OF ALTAVISTA VIRGINIA

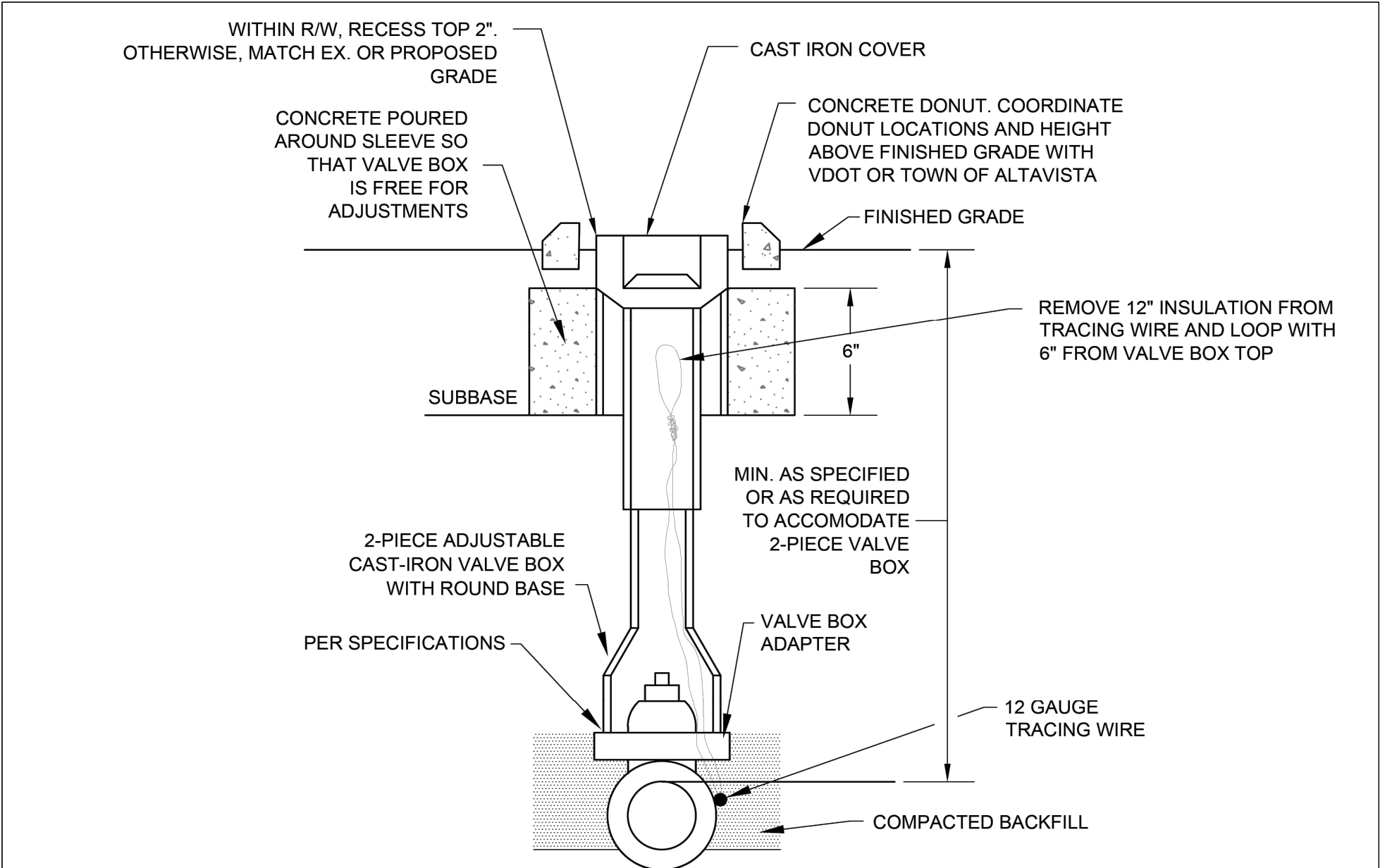
MECHANICAL RESTRAINING DEVICES FOR DUCTILE IRON PIPE

DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO. CA-04



TOWN OF ALTAVISTA VIRGINIA

FIRE HYDRANT INSTALLATION



TOWN OF ALTAVISTA VIRGINIA

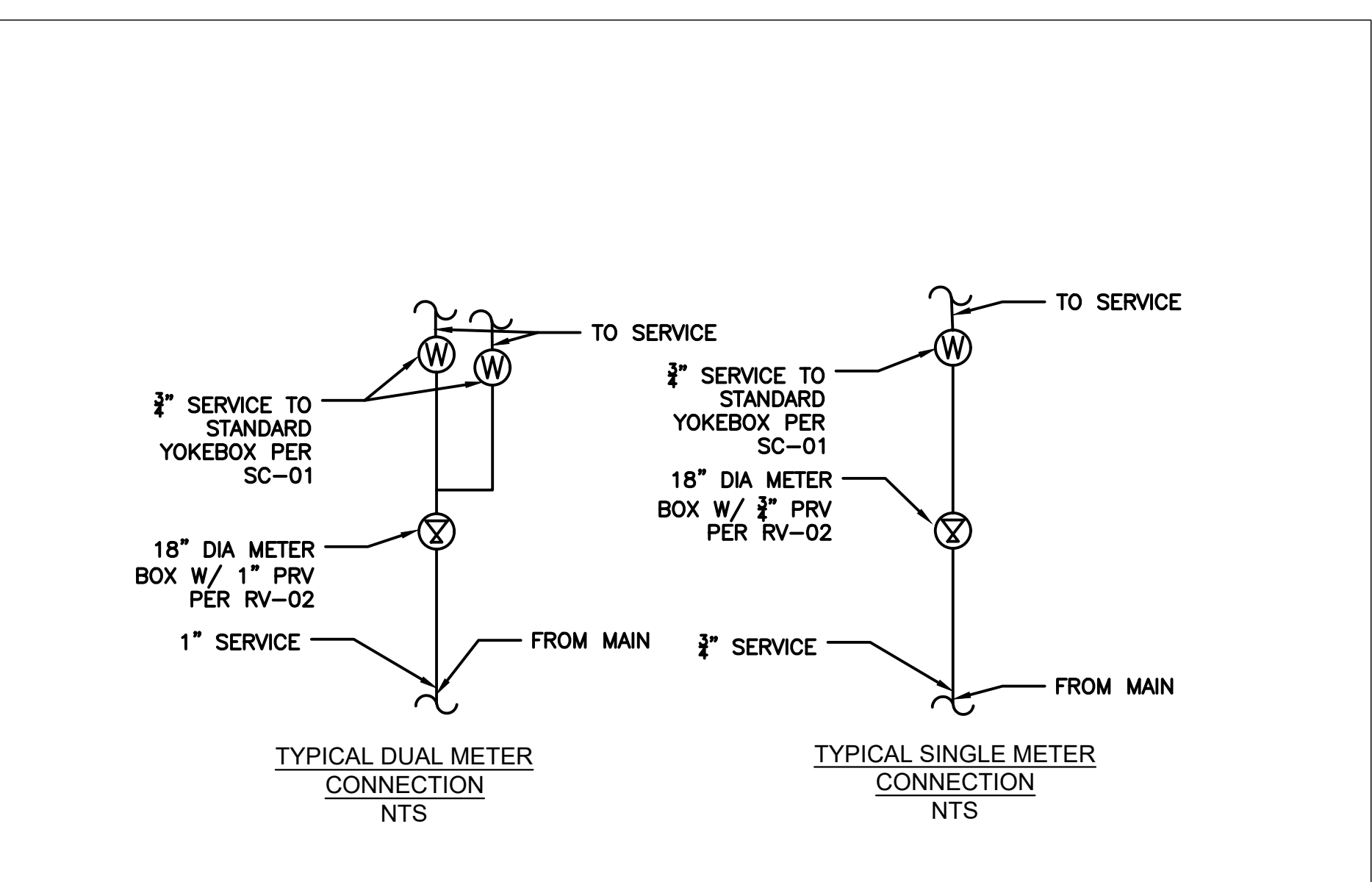
VALVE AND BOX DETAIL

GENERAL NOTES:

- NOTIFY MISS UTILITY AT 1-800-522-7001 AT LEAST 72 HOURS PRIOR TO EXCAVATION IN THE RIGHT-OF-WAY.
- EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND DO NOT REPRESENT ALL UNDERGROUND UTILITY OR SERVICE LINES. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT "MISS UTILITY" TO HAVE ALL UNDERGROUND UTILITIES LOCATED AND MARKED.
- INTEGRITY OF PROPERTY AND RIGHT-OF-WAY MONUMENTATION SHALL BE PRESERVED. REPLACEMENT OR CORRECTION OF DISTURBANCE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- WATERLINES AND APPURTENANCES SHALL BE CONSTRUCTED WITHIN ROAD RIGHT-OF-WAY OR EASEMENTS. FIRE HYDRANTS AND WATER METERS WILL BE LOCATED BEHIND THE DITCH LINE. NO METER BASES WILL BE ALLOWED BETWEEN THE EDGE OF PAVEMENT AND THE DITCH LINE.
- CONTRACTOR SHALL SET VALVE BOX TOPS AS DIRECTED BY INSPECTOR AND AS SHOWN ON PLANS.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING PAVEMENT DURING CONSTRUCTION ON ALL ROADWAYS. NO TRACKED OR CLEATED EQUIPMENT IS PERMITTED ON THE ASPHALT PAVEMENT WITHOUT PROTECTIVE MEASURES. CONTRACTOR MAY INSTALL SUITABLE PROTECTIVE MEASURES (AT NO ADDITIONAL COST TO THE OWNER) IN ORDER TO USE TRACKED OR CLEATED CONSTRUCTION VEHICLES WITHIN THE PAVEMENT EXTENTS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE AROUND AND THROUGH THE CONSTRUCTION AREA AS CURRENTLY EXISTS. NO PONDING WATER IN DITCHES WILL BE PERMITTED DURING THE CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND ANY PAYMENT REQUIRED TO UTILITY COMPANIES FOR ANY TEMPORARY STORAGE AND/OR SUPPORT OF UTILITY POLES.
- CONTRACTOR WILL SAWCUT EXISTING ASPHALT, REMOVE PAVEMENT, AND REPAIR PER STANDARD PAVEMENT REPAIR DETAIL TB-02.

UNDERGROUND UTILITY EROSION CONTROL NOTES:

- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
- NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- EFFLUENT FROM DE-WATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE OR BOTH AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
- RE-STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

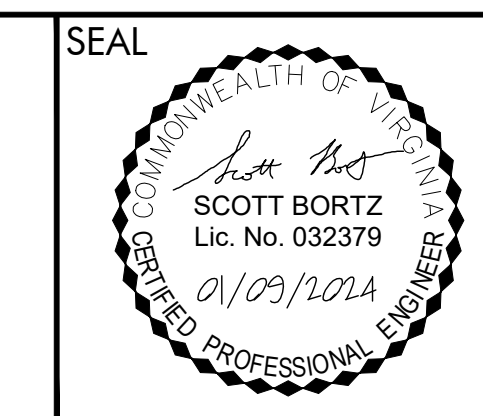


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**AMHERST AND NOVELTY STREET
WATER LOOP**

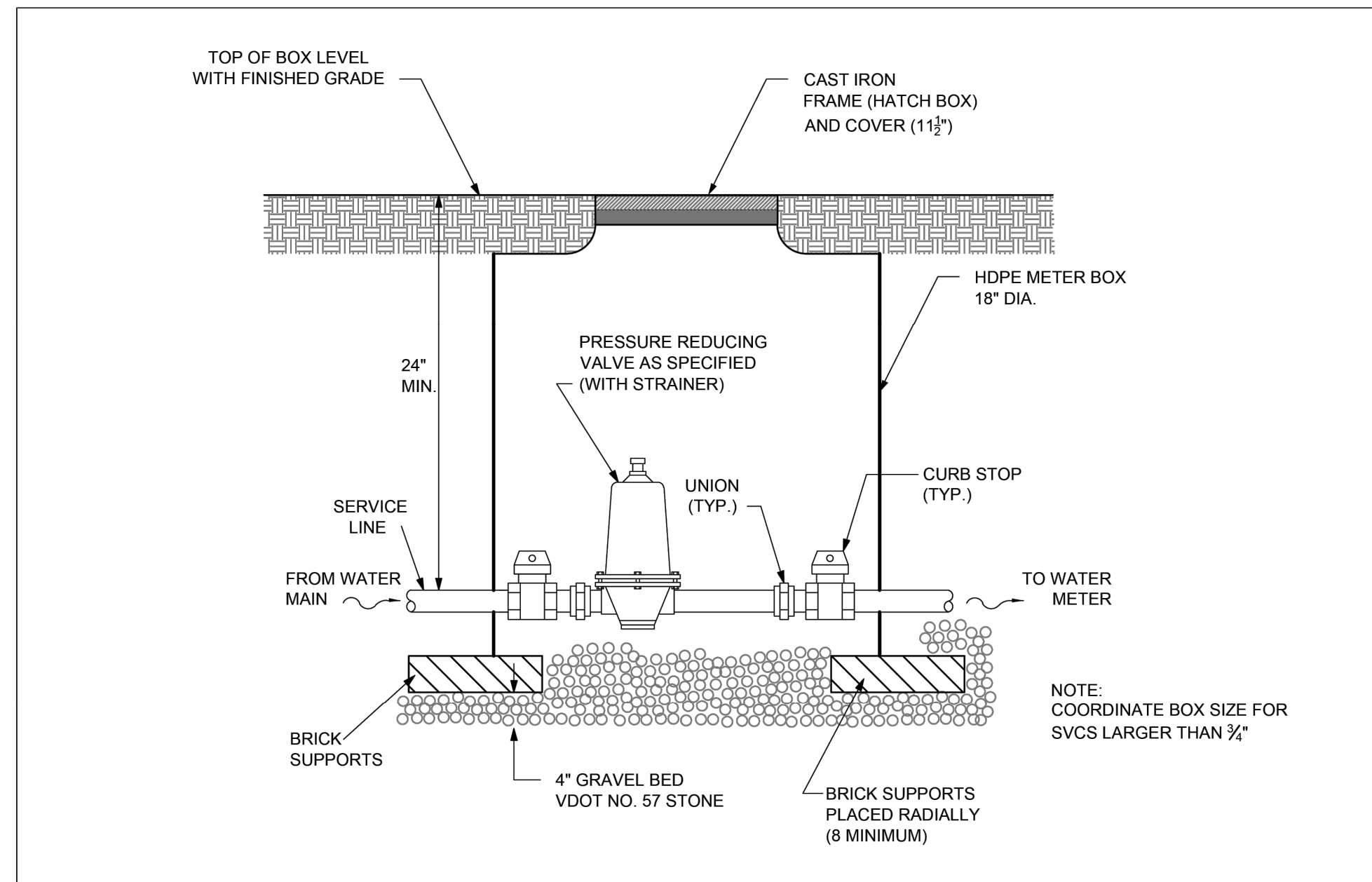
TOWN OF ALTAVISTA VIRGINIA



DRAWN BY: JFS
REVIEW BY: SMB
DATE: JAN 09 2024
REVISION:

SHEET DESCRIPTION:
STANDARD TOWN DETAILS

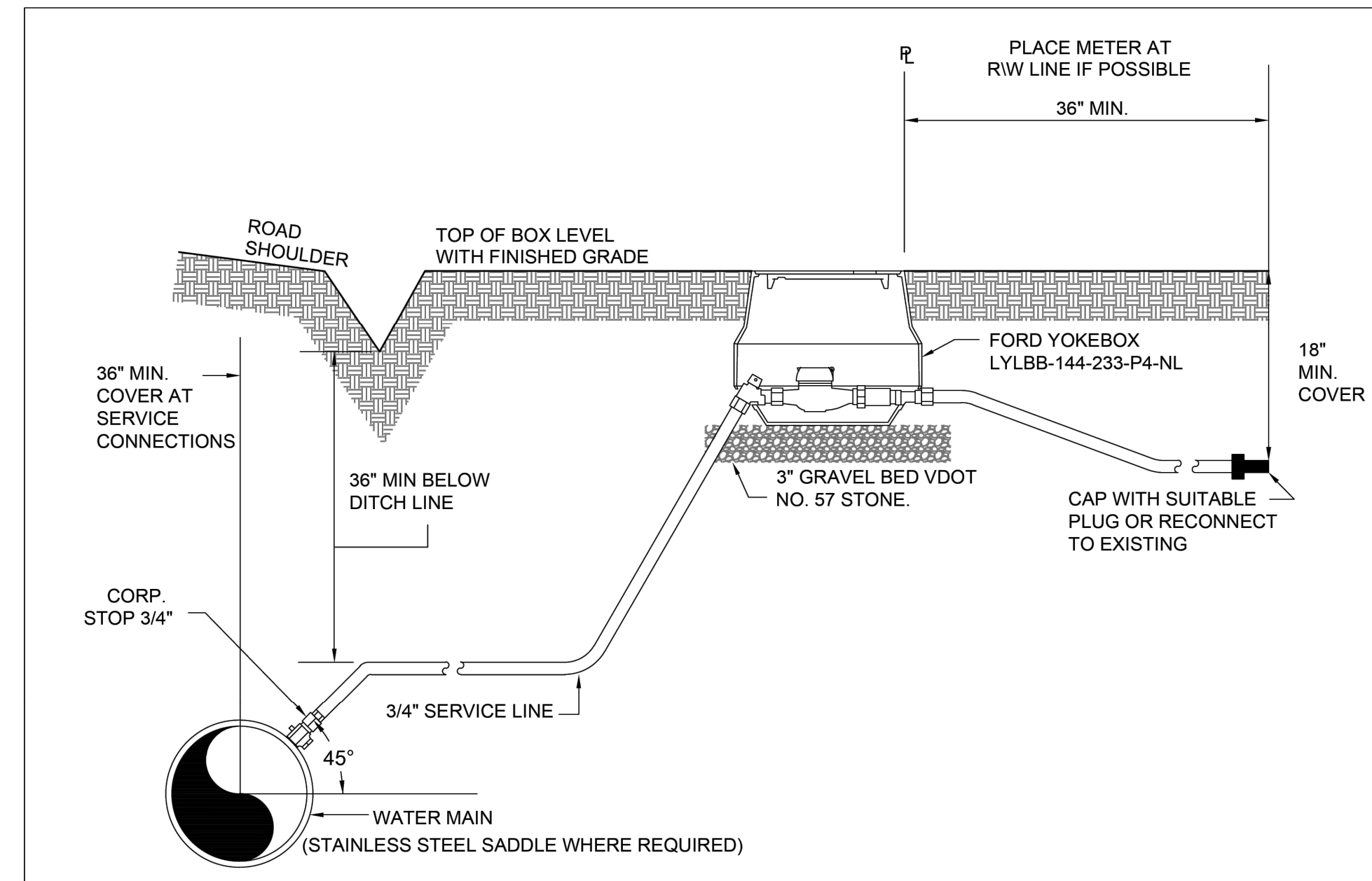
D01



TOWN OF
ALTAVISTA
VIRGINIA

**PRESSURE REDUCING VALVE
INDIVIDUAL SERVICE**

DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO.
RV-02

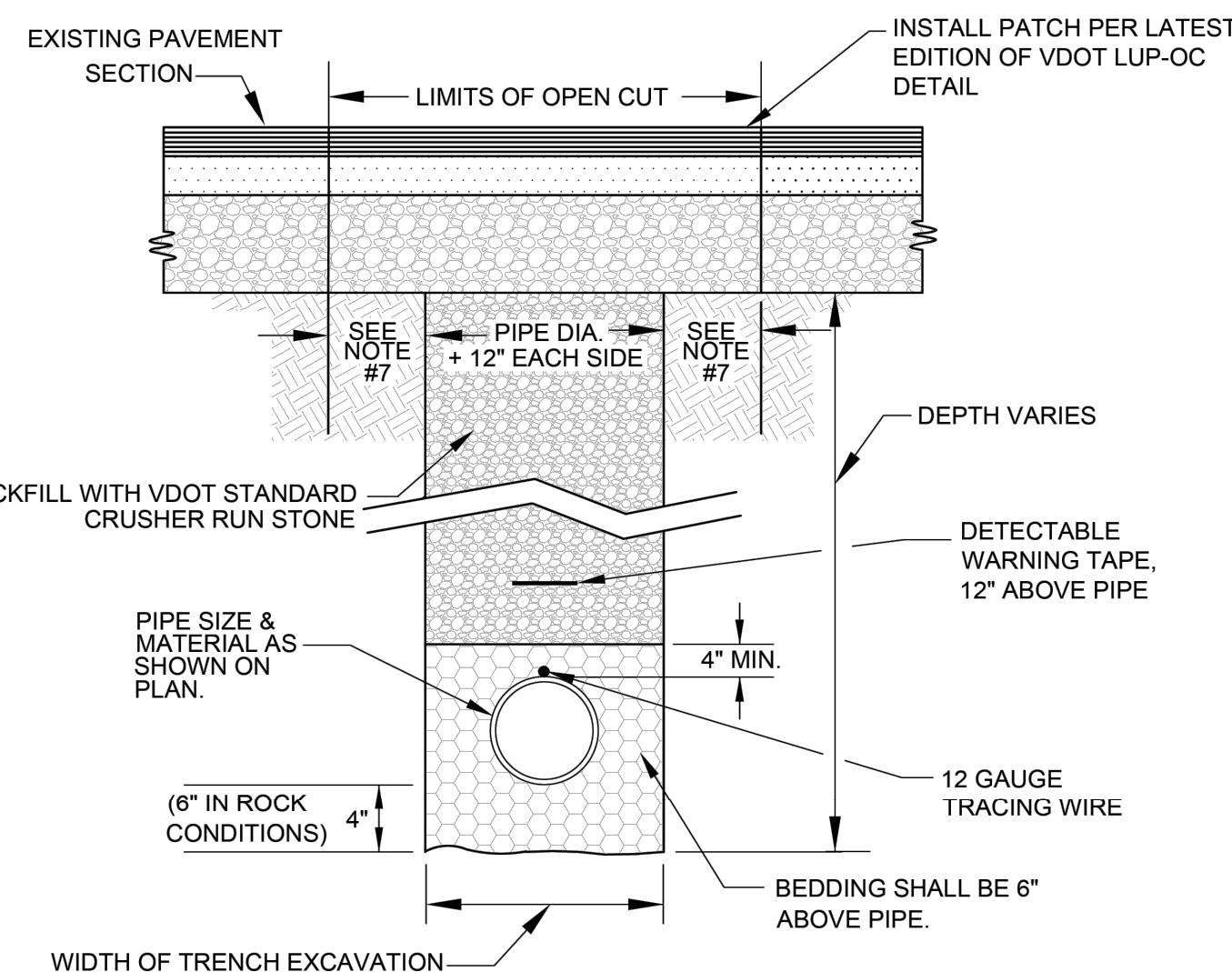


TOWN OF
ALTAVISTA
VIRGINIA

**TYPICAL RESIDENTIAL
WATER SERVICE CONNECTION**

DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO.
SC-01

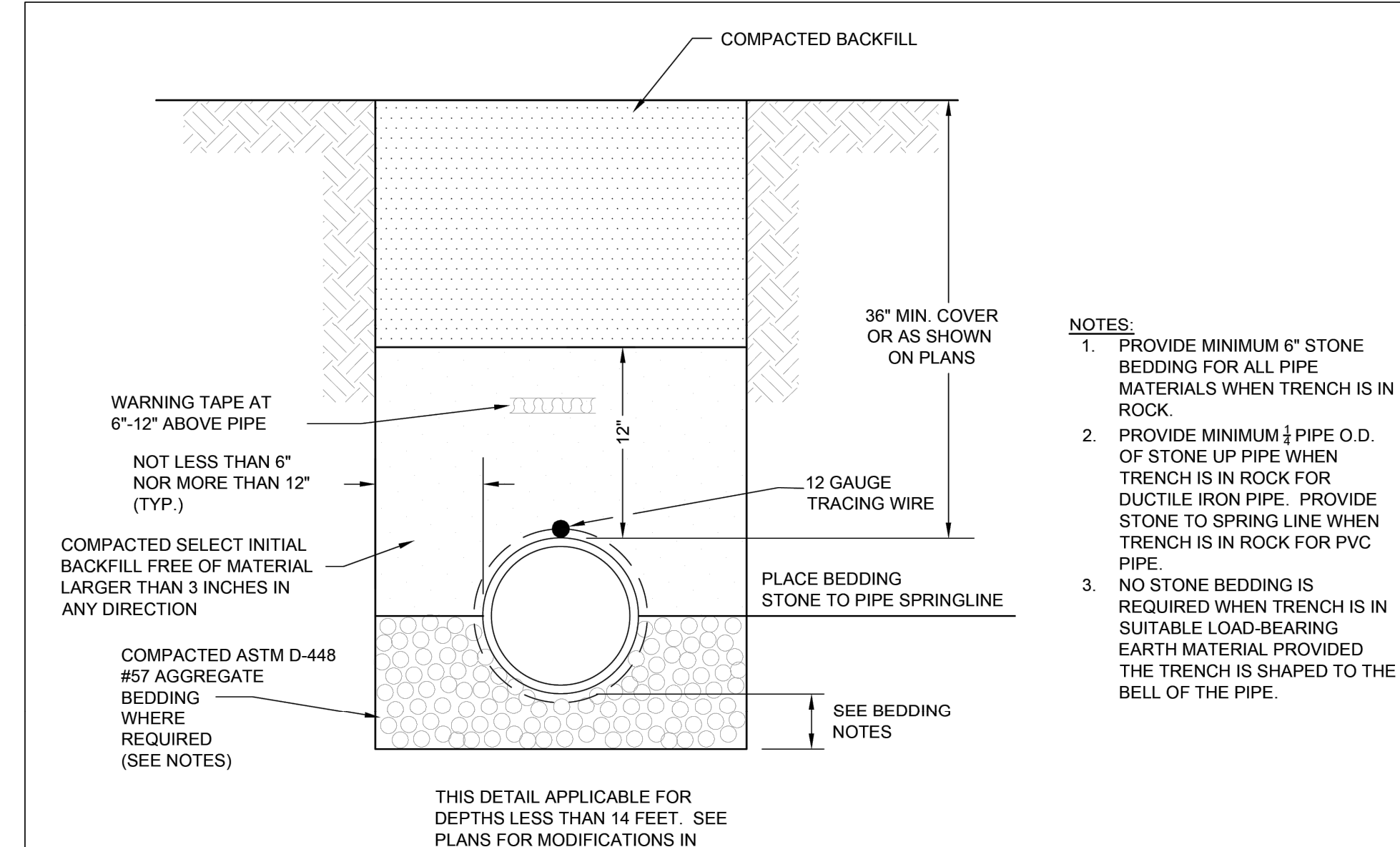
- NOTES:**
- BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
 - ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 STONE.
 - ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY VDOT OR TOWN OF ALTAVISTA.
 - PRIOR TO CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS FROM VDOT OR TOWN OF ALTAVISTA.
 - IN AREAS SUBJECT TO VEHICULAR TRAFFIC, BEDDING STONE AND FILL SHALL BE PLACED IN 6" LIFTS AND SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D 698.
 - ALL SEWER LINE PIPE SHALL BE BEDDED IN COMPACTED GRANULAR MATERIAL.
 - BENCHCUT ON EACH SIDE OF PAVEMENT: PER VDOT LUP PERMIT.
 - ALL EXCAVATIONS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLED "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING."



TOWN OF
ALTAVISTA
VIRGINIA

**PAVEMENT REPAIR FOR
UTILITY TRENCH**

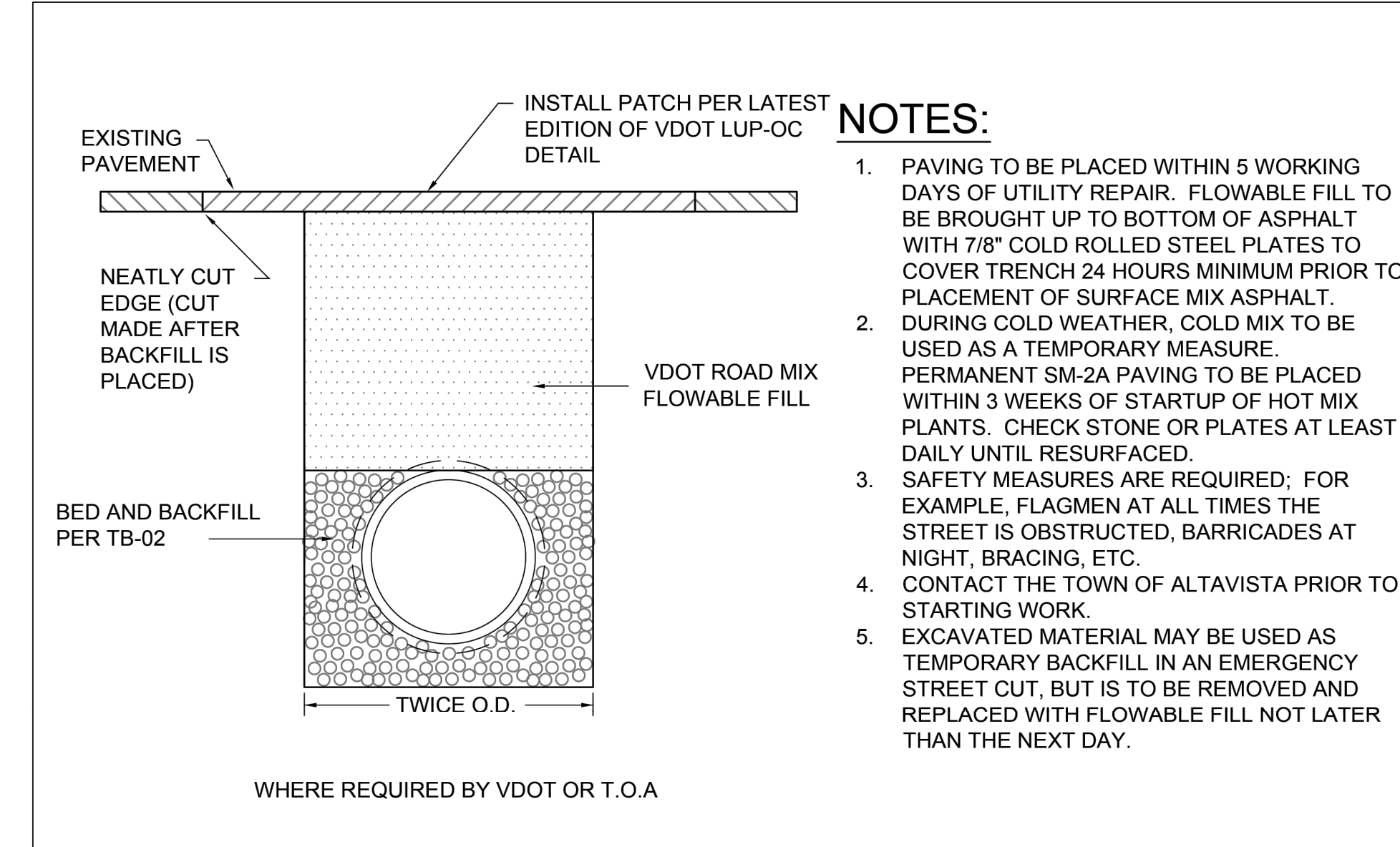
DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO.
TB-02



TOWN OF
ALTAVISTA
VIRGINIA

**PRESSURE PIPE
TRENCH BEDDING**

DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO.
TB-03



TOWN OF
ALTAVISTA
VIRGINIA

**FLOWABLE FILL UTILITY
CUT REPAIR**

DATE: Oct. 2018
SCALE: N.T.S.
DETAIL NO.
TB-04

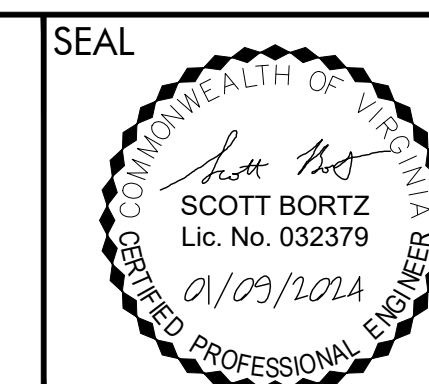
- NOTES:**
- PAVING TO BE PLACED WITHIN 5 WORKING DAYS OF UTILITY REPAIR. FLOWABLE FILL TO BE BROUGHT UP TO BOTTOM OF ASPHALT WITH 7/8" COLD ROLLED STEEL PLATES TO COVER TRENCH 24 HOURS MINIMUM PRIOR TO PLACEMENT OF SURFACE MIX ASPHALT.
 - DURING COLD WEATHER, COLD MIX TO BE USED AS A TEMPORARY MEASURE. PERMANENT SM-2A PAVING TO BE PLACED WITHIN 3 WEEKS OF STARTUP OF HOT MIX PLANTS. CHECK STONE OR PLATES AT LEAST DAILY UNTIL RESURFACED.
 - SAFETY MEASURES ARE REQUIRED; FOR EXAMPLE, FLAGMEN AT ALL TIMES THE STREET IS OBSTRUCTED, BARRICADES AT NIGHT, BRACING, ETC.
 - CONTACT THE TOWN OF ALTAVISTA PRIOR TO STARTING WORK.
 - EXCAVATED MATERIAL MAY BE USED AS TEMPORARY BACKFILL IN AN EMERGENCY STREET CUT, BUT IS TO BE REMOVED AND REPLACED WITH FLOWABLE FILL NOT LATER THAN THE NEXT DAY.

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**AMHERST AND NOVELTY STREET
WATER LOOP**

TOWN OF ALTAVISTA

VIRGINIA



DRAWN BY:
JFS
REVIEW BY:
SMB
DATE:
JAN 09 2024
REVISION:

SHEET DESCRIPTION:
STANDARD TOWN DETAILS

D02