

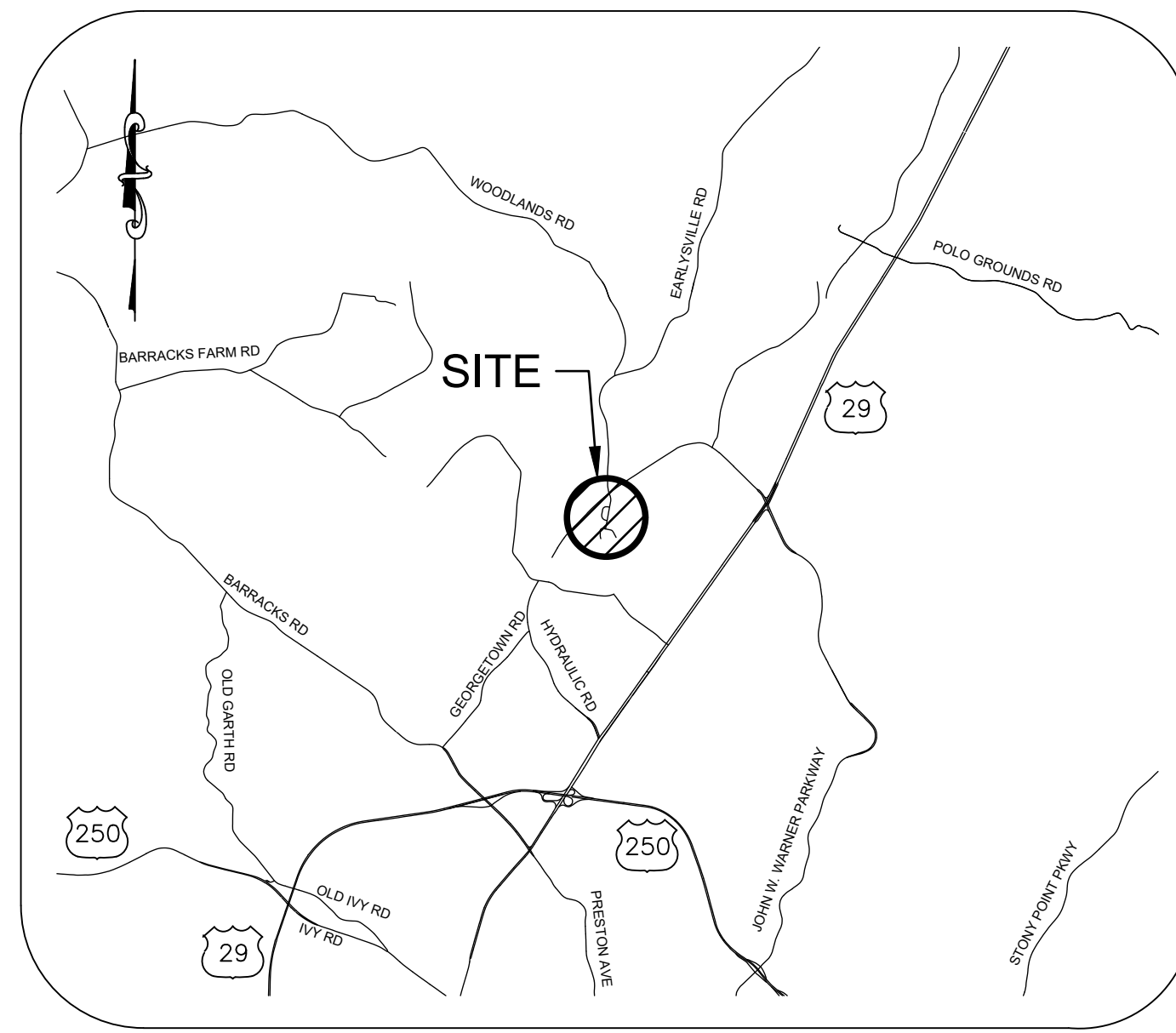
Drawing Index

General

G1.0 COVER SHEET

Civil

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- C1.1 OVERALL PLAN AND SURVEY CONTROL
- C2.0 WATERLINE A PLAN & PROFILE
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- C5.1 TEMPORARY BYPASS DETAILS



LOCATION MAP
1"=5000'

Contacts:

OWNER:
 Albemarle County Service Authority
 Keane Rucker, P.E.
 Senior Civil Engineer
 168 Spotnap Road
 Charlottesville, Virginia 22911
 PH. (434) 977-4511 ext 129
 FAX (434) 979-0698
 krucker@serviceauthority.org

ENGINEER:
 Dewberry Engineers Inc.
 Heather A. Campbell, P.E.
 4805 Lake Brook Drive
 Suite 200
 Glen Allen, Virginia 23060
 PH. (804) 205-3351
 FAX (804) 290-7928
 hcampbell@dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY TOWNWOOD WATER MAIN REPLACEMENT PROJECT CHARLOTTESVILLE, VIRGINIA

ACSA PROJECT NO.: 2022-05

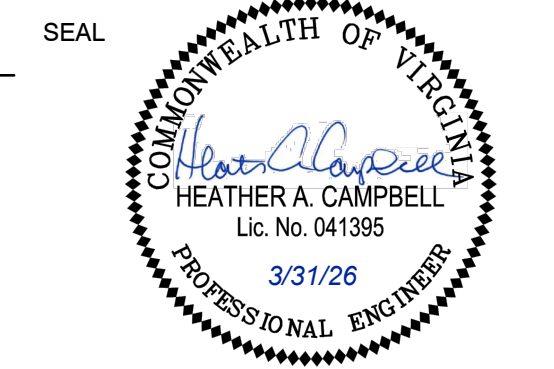


VICINITY MAP
SCALE: 1" = 400'



Dewberry Engineers Inc.
 4805 Lake Brook Drive, Suite 200
 Glen Allen, Virginia 23060
 PHONE: 804.290.7957
 FAX: 804.290.7928
 www.dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY
 TOWNWOOD WATER MAIN
 REPLACEMENT PROJECT
 CHARLOTTESVILLE, VIRGINIA
 ALBEMARLE COUNTY, VA



KEY PLAN

SCALE

No.	DATE	BY	Description

REVISIONS


DRAWN BY _____ HSQ
 APPROVED BY _____ HAC
 CHECKED BY _____ HAC
 DATE _____ MARCH 2026
 TITLE _____

COVER SHEET

PROJECT NO. 50154109

G1.0

LEGEND

TRV#103  SURVEY TRAVERSE

SURVEY CONTROL

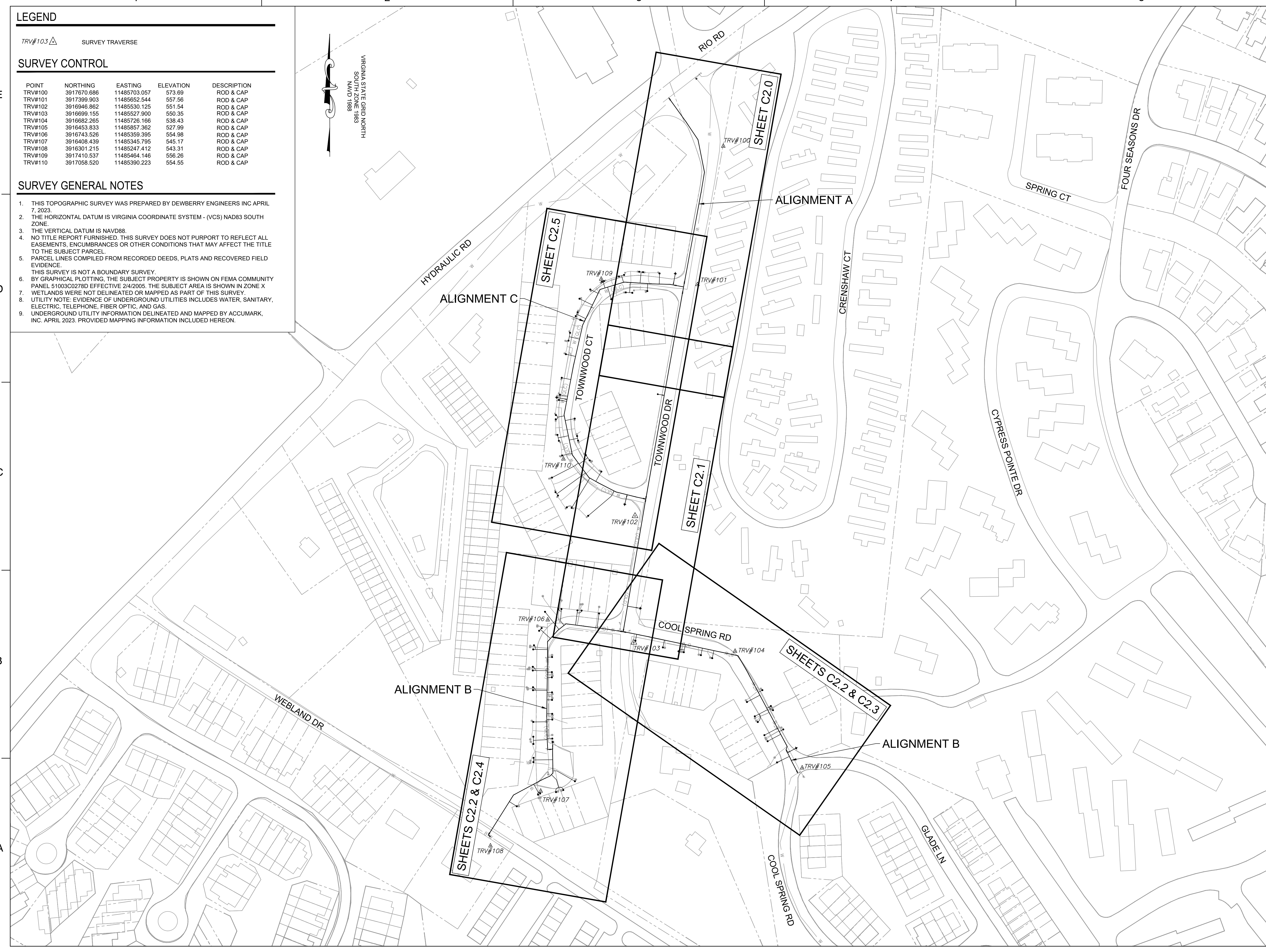
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TRV#101	3917399.903	11485652.544	557.56	ROD & CAP
TRV#102	3916946.862	11485530.125	551.54	ROD & CAP
TRV#103	3916699.155	11485527.900	550.35	ROD & CAP
TRV#104	3916682.265	11485726.166	538.43	ROD & CAP
TRV#105	3916453.833	11485857.362	527.99	ROD & CAP
TRV#106	3916743.526	11485359.395	554.98	ROD & CAP
TRV#107	3916408.439	11485345.795	545.17	ROD & CAP
TRV#108	3916301.215	11485247.412	543.31	ROD & CAP
TRV#109	3917410.537	11485464.146	556.26	ROD & CAP
TRV#110	3917058.520	11485390.223	554.55	ROD & CAP

SURVEY GENERAL NOTES

- THIS TOPOGRAPHIC SURVEY WAS PREPARED BY DEWBERRY ENGINEERS INC APRIL 7, 2023.
- THE HORIZONTAL DATUM IS VIRGINIA COORDINATE SYSTEM - (VCS) NAD83 SOUTH ZONE.
- THE VERTICAL DATUM IS NAVD83.
- NO TITLE REPORT FURNISHED. THIS SURVEY DOES NOT PURPORT TO REFLECT ALL EASEMENTS, ENCUMBRANCES OR OTHER CONDITIONS THAT MAY AFFECT THE TITLE TO THE SUBJECT PARCEL.
- PARCEL LINES COMPILED FROM RECORDED DEEDS, PLATS AND RECOVERED FIELD EVIDENCE.
- THIS SURVEY IS NOT A BOUNDARY SURVEY.
- BY GRAPHICAL PLOTTING, THE SUBJECT PROPERTY IS SHOWN ON FEMA COMMUNITY PANEL 51003C0278D EFFECTIVE 2/4/2005. THE SUBJECT AREA IS SHOWN IN ZONE X.
- WETLANDS WERE NOT DELINEATED OR MAPPED AS PART OF THIS SURVEY.
- UTILITY NOTE: EVIDENCE OF UNDERGROUND UTILITIES INCLUDES WATER, SANITARY, ELECTRIC, TELEPHONE, FIBER OPTIC, AND GAS.
- UNDERGROUND UTILITY INFORMATION DELINEATED AND MAPPED BY ACCUMARK, INC. APRIL 2023. PROVIDED MAPPING INFORMATION INCLUDED HEREON.



E
D
C
B
A




Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, Virginia 23060
PHONE: 804.290.7957
FAX: 804.290.7928
www.dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY
TOWNWOOD WATER MAIN
REPLACEMENT PROJECT

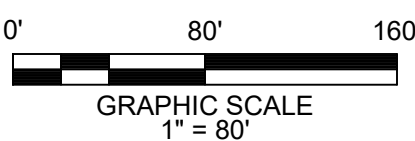
CHARLOTTESVILLE, VIRGINIA
ALBEMARLE COUNTY, VA

SEAL



KEY PLAN

SCALE



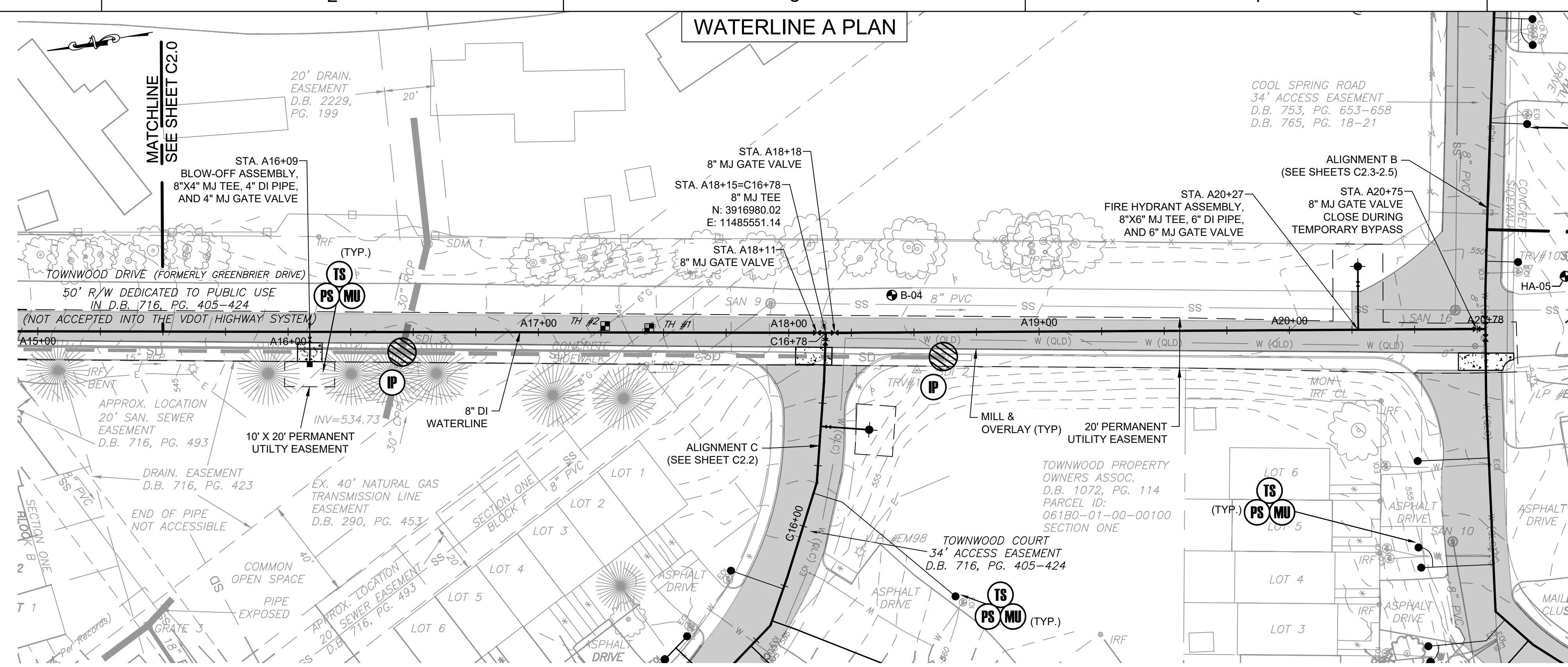
No.	DATE	BY	Description
REVISIONS			

DRAWN BY _____ HSQ
 APPROVED BY _____ HAC
 CHECKED BY _____ HAC
 DATE _____ MARCH 2026

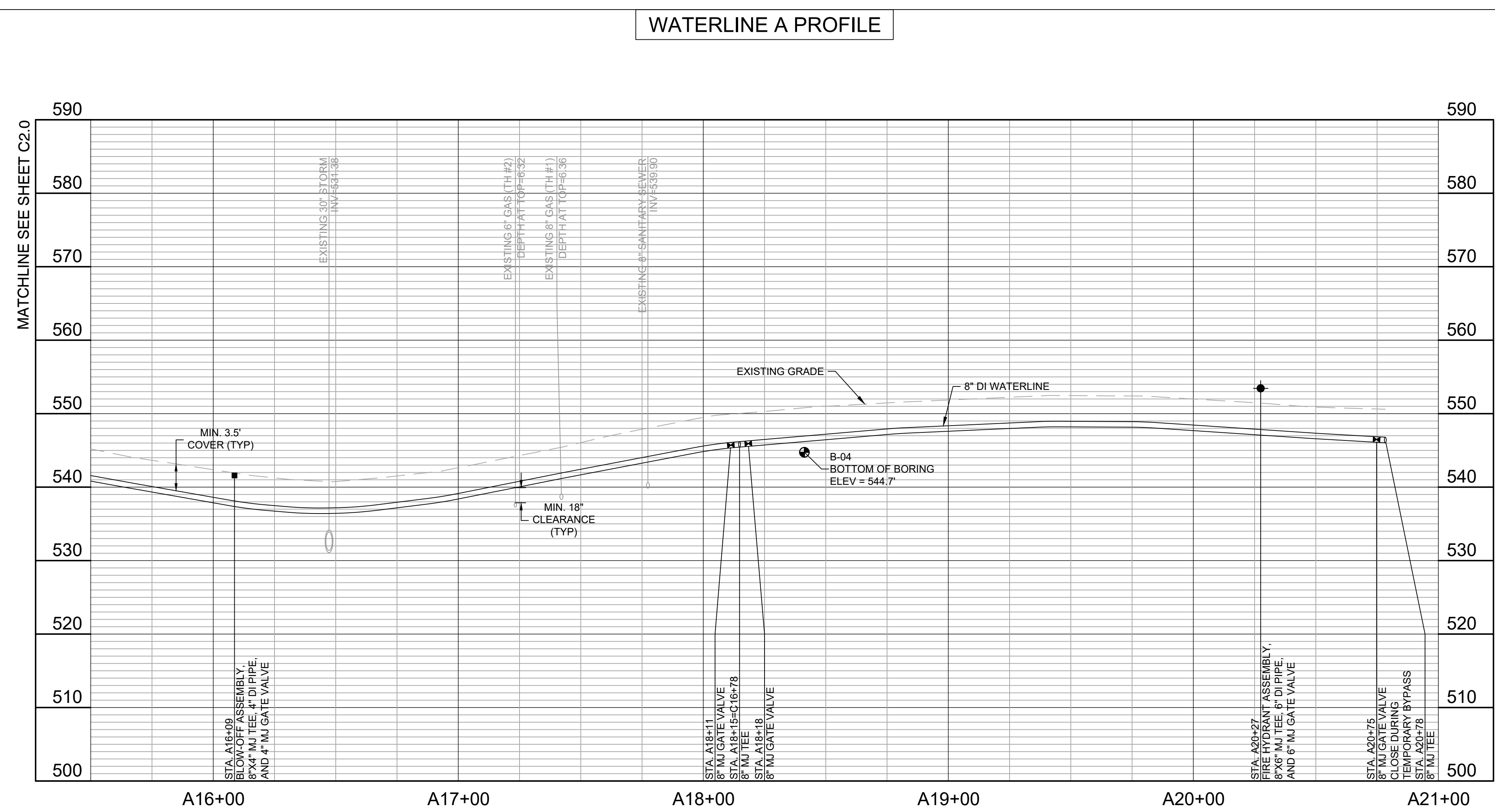
TITLE
**OVERALL PLAN
 AND
 SURVEY CONTROL**

PROJECT NO. 50154109

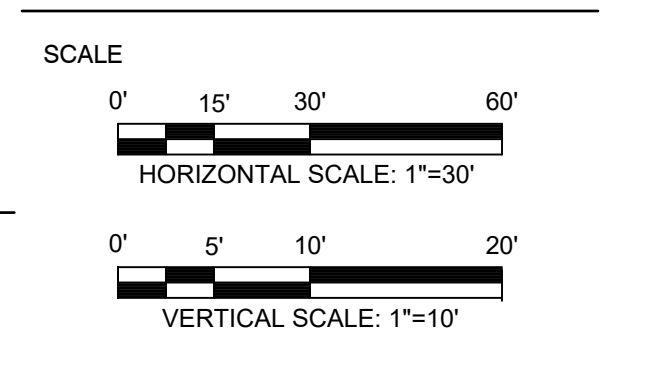
C1.1



SANITARY SEWER				STORM SEWER			
SAN 8 RIM=548.67 INV. IN FROM SAN 3=542.05 INV. IN FROM SAN 7=552.12 INV. OUT TO SAN 9=541.97	SAN 9 RIM=549.06 INV. IN FROM SAN 8=539.74 INV. OUT TO SAN 16=539.60	SAN 10 RIM=553.33 INV. OUT TO SAN 11=548.85	SAN 16 RIM=550.75 INV. IN FROM SAN 9=537.71 INV. IN FROM SAN 15=536.04 INV. OUT TO SAN 17=535.81	GRATE 3 RIM=545.10 INV. F.L.=542.12 INV. OUT=SUBMERGED	SDI 2 RIM=551.64 INV. OUT TO SDI 3=544.29	SDI 3 RIM=541.02 INV. IN(W)=533.69 INV. IN FROM SDI 1=534.16 INV. IN FROM SDI 2=534.32 INV. OUT TO SDM 1=531.58	SDM 1 RIM=541.65 INV. IN FROM SDI 3=530.51 INV. OUT=530.47



KEY PLAN



No.	DATE	BY	Description
REVISIONS			

DRAWN BY: _____ HSQ
 APPROVED BY: _____ HAC
 CHECKED BY: _____ HAC
 DATE: _____ MARCH 2026
 TITLE: _____

**WATERLINE A
 PLAN & PROFILE**

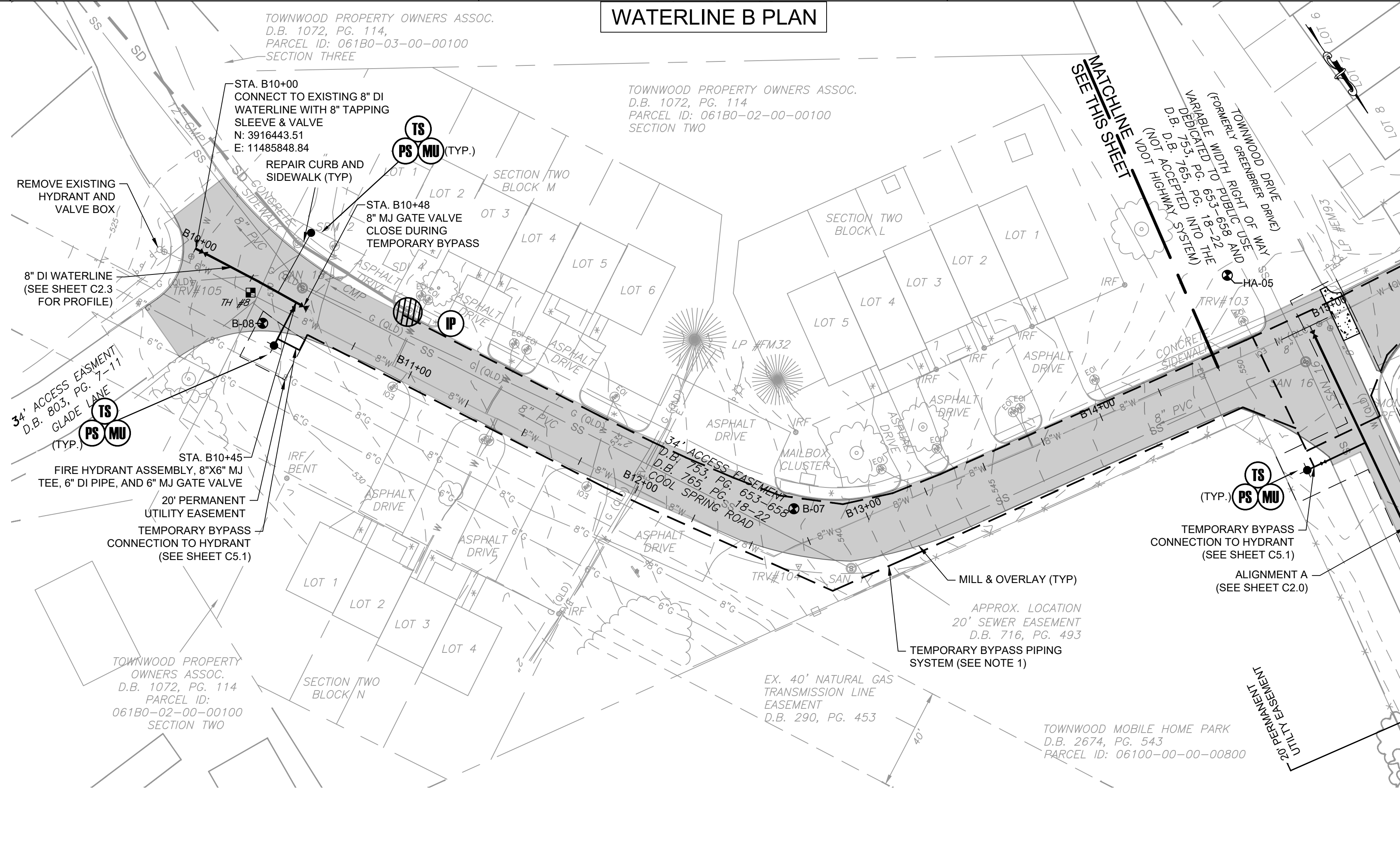
PROJECT NO. 50154109

C2.1

TEMPORARY WATER BYPASS GENERAL NOTES

1. CONTRACTOR SHALL COMPLETE THE INSTALLATION, TESTING, AND DISINFECTION OF WATERLINE A AND A PORTION OF WATERLINE B (STA B10+00 TO B10+48) PRIOR TO INSTALLING THE TEMPORARY WATER BYPASS SYSTEM ALONG COOL SPRING ROAD.
2. TEMPORARY WATER BYPASS SYSTEM SHALL BE INSTALLED AND OPERATED IN THE SPRING OR FALL TO AVOID THE IMPACT OF EXTREME TEMPERATURES ON THE TEMPORARY ABOVE GROUND SYSTEM.
3. TEMPORARY WATER BYPASS SYSTEM SHALL BE A MINIMUM OF TWO (2) 4-INCH MAINS, SUBJECT TO THE OWNER'S DISCRETION. INSTALL TEMPORARY, ABOVE GROUND WATER MAIN BETWEEN NEW HYDRANT AT TOWNWOOD DRIVE & COOL SPRING RD AND EXISTING HYDRANT AT GLADE LANE & COOL SPRING RD.
4. PROVIDE TEMPORARY ABOVE-GROUND WATER SERVICES TO ALL EXISTING CUSTOMERS ALONG TEMPORARY MAINS PRIOR TO IN-PLACE WATER MAIN REPLACEMENT WORK. COORDINATE THE TEMPORARY AND PERMANENT WATER SERVICES WITH THE ACSA INSPECTOR.

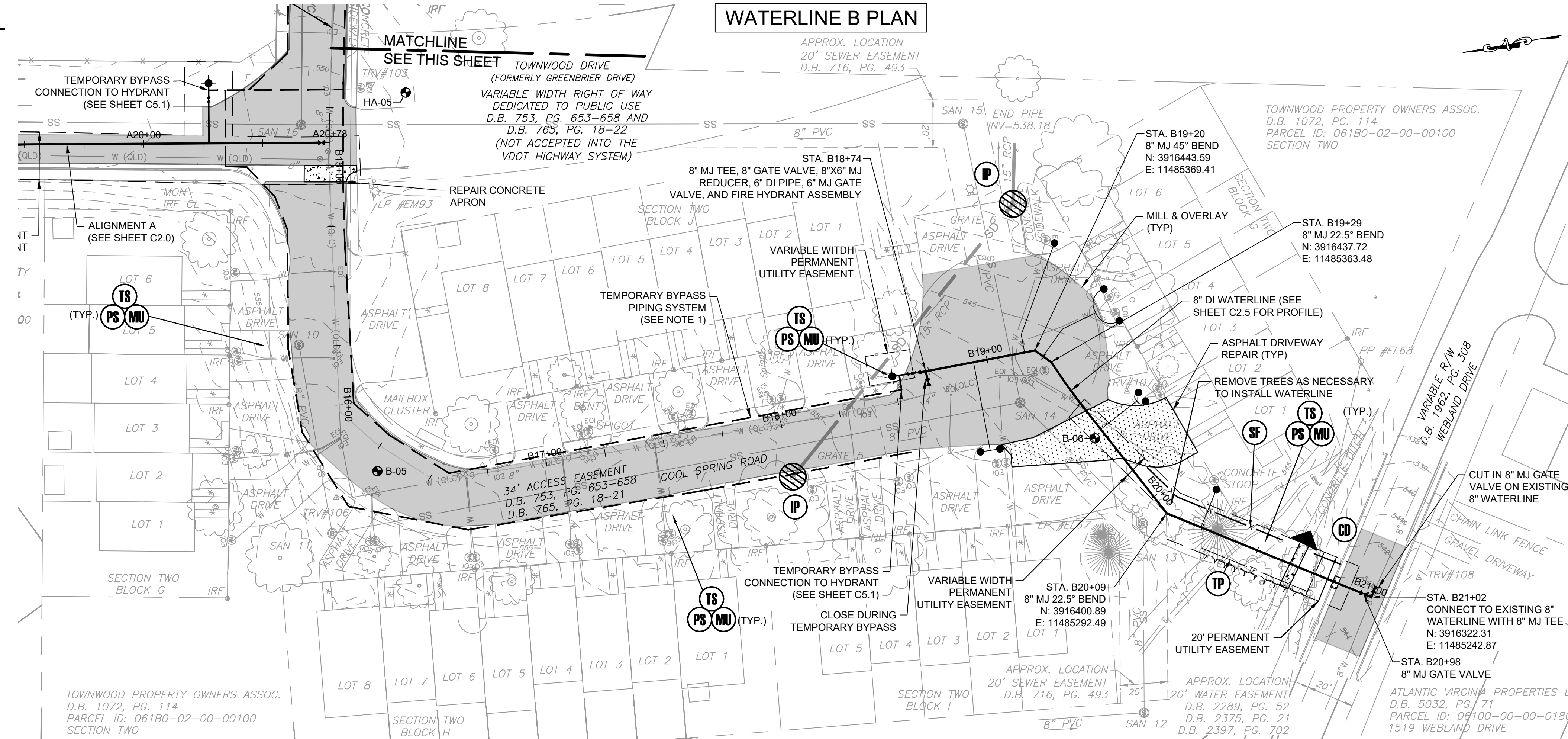
WATERLINE B PLAN



TEMPORARY WATER BYPASS GENERAL NOTES

1. CONTRACTOR SHALL COMPLETE THE INSTALLATION, TESTING, AND DISINFECTION OF WATERLINE A AND A PORTION OF WATERLINE B (STA B18+96 TO B21+24) PRIOR TO INSTALLING THE TEMPORARY WATER BYPASS SYSTEM ALONG COOL SPRING ROAD.
2. TEMPORARY WATER BYPASS SYSTEM SHALL BE INSTALLED AND OPERATED IN THE SPRING OR FALL TO AVOID THE IMPACT OF EXTREME TEMPERATURES ON THE TEMPORARY ABOVE GROUND SYSTEM.
3. TEMPORARY WATER BYPASS SYSTEM SHALL BE A MINIMUM OF TWO (2) 4-INCH MAINS, SUBJECT TO THE OWNER'S DISCRETION. INSTALL TEMPORARY, ABOVE GROUND WATER MAIN BETWEEN NEW HYDRANT AT TOWNWOOD DRIVE & COOL SPRING RD AND NEW HYDRANT AT THE CUL-DE-SAC OF COOL SPRING RD.
4. PROVIDE TEMPORARY ABOVE-GROUND WATER SERVICES TO ALL EXISTING CUSTOMERS ALONG TEMPORARY MAINS PRIOR TO IN-PLACE WATER MAIN REPLACEMENT WORK. COORDINATE THE TEMPORARY AND PERMANENT WATER SERVICES WITH THE ACSA INSPECTOR.

WATERLINE B PLAN

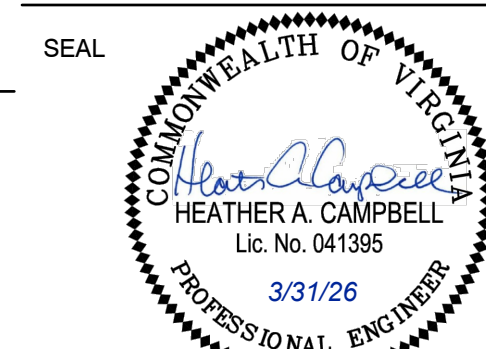


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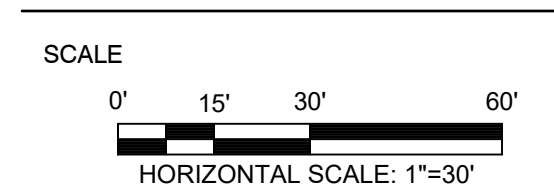


Dewberry Engineers Inc.
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Glen Allen, Virginia 23060
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ALBEMARLE COUNTY SERVICE AUTHORITY
TOWNWOOD WATER MAIN
REPLACEMENT PROJECT
CHARLOTTEVILLE, VIRGINIA
ALBEMARLE COUNTY, VA



KEY PLAN



No.	DATE	BY	Description

DRAWN BY: HSQ
APPROVED BY: HAC
CHECKED BY: HAC
DATE: MARCH 2026
TITLE: WATERLINE B BYPASS PLAN

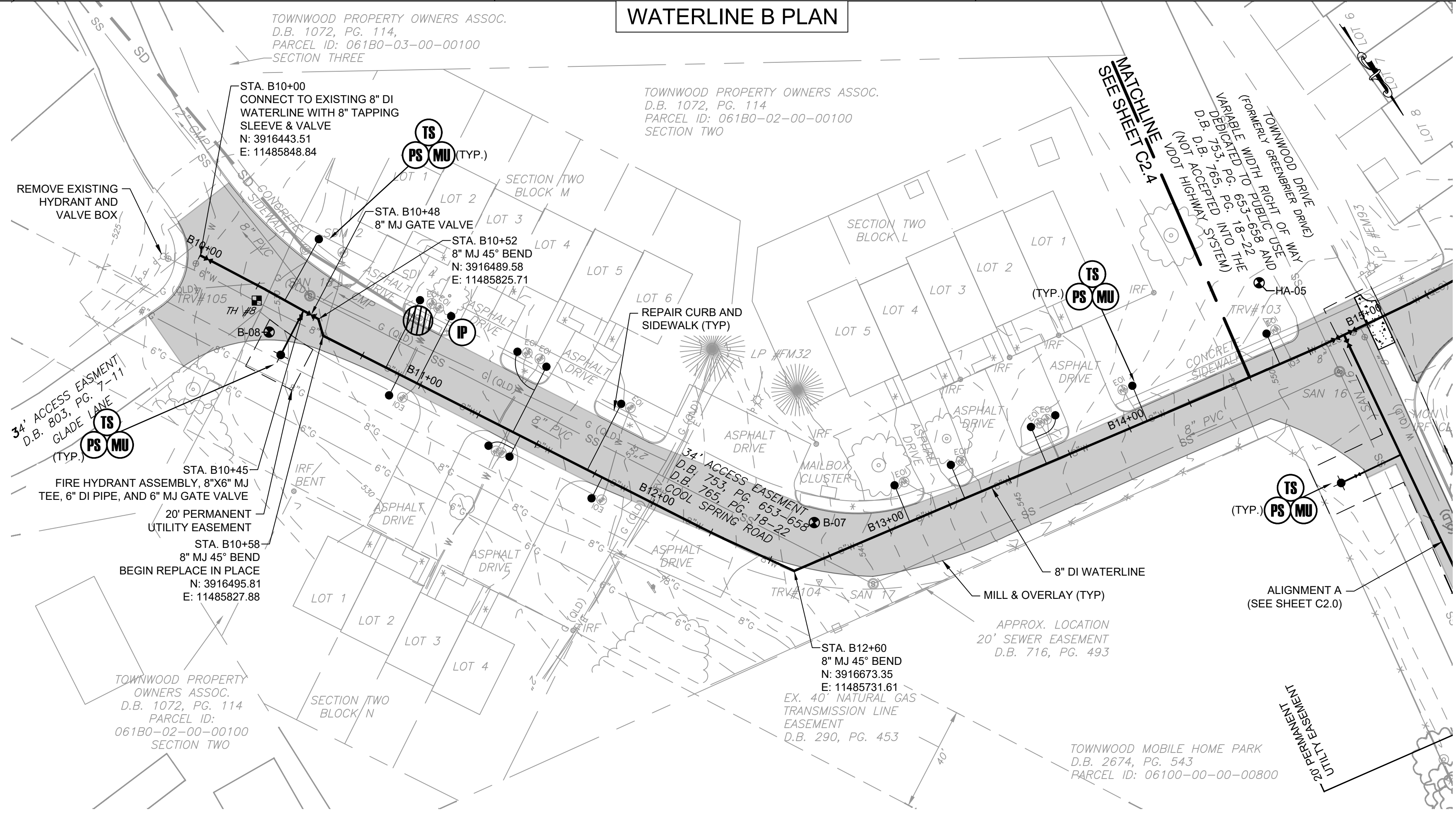
WATERLINE B BYPASS PLAN

PROJECT NO. 50154109

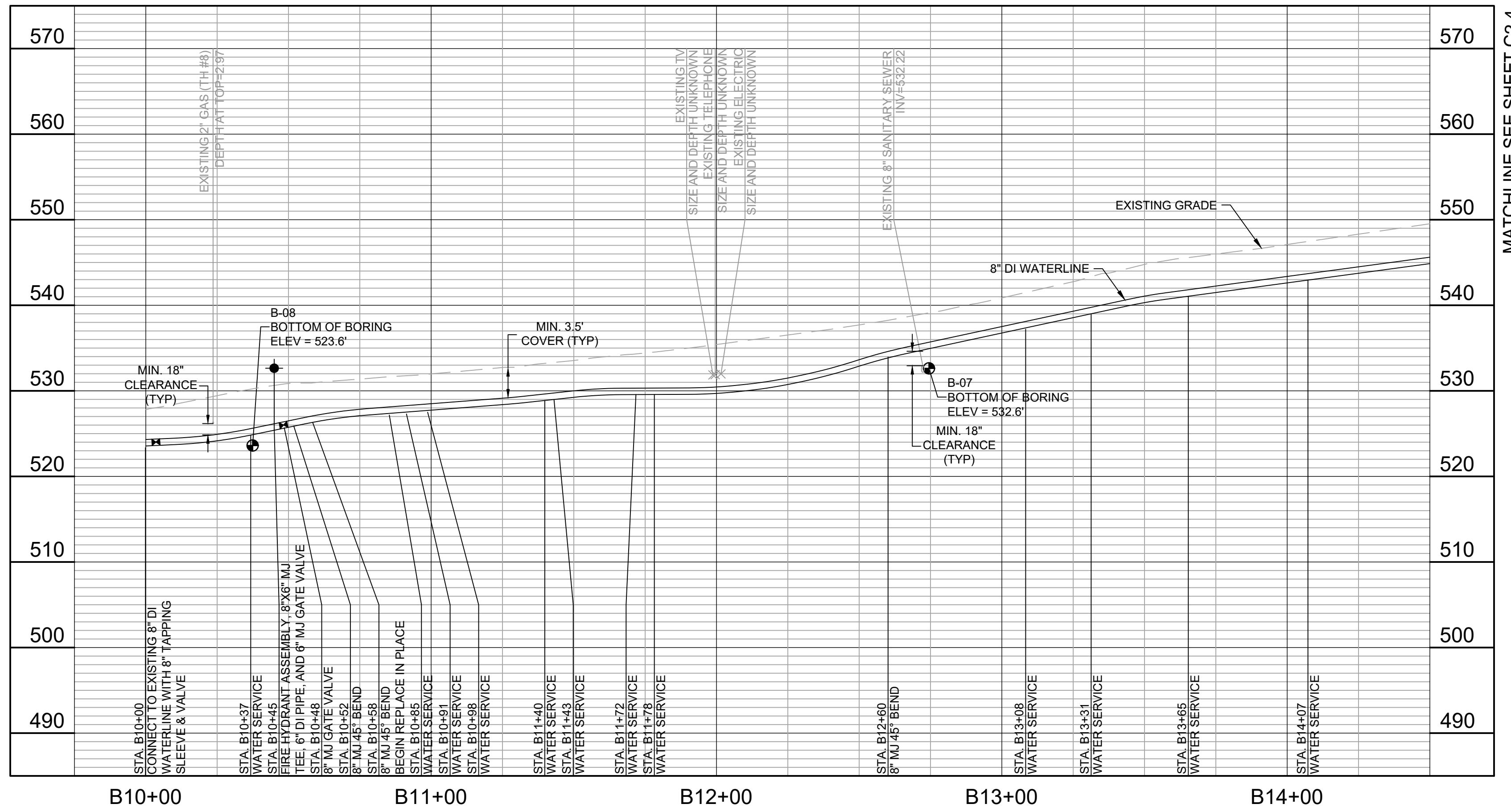
C2.2

SANITARY SEWER	
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SAN 18 RIM=530.75 INV. IN FROM SAN 17=524.13 INV. OUT TO SAN 19=524.08	SAN 19 RIM=510.44 INV. IN FROM SAN 18=504.86 INV. OUT=504.82

STORM SEWER	
SDI 4 RIM=532.48 INV. OUT TO SDM 2=527.68	SDM 2 RIM=530.29 INV. IN FROM SDI 4=525.26 INV. OUT TO SDM 3=521.48
SDM 3 RIM=507.10 INV. IN FROM SDM 2=500.91 INV. IN(E)=500.98 INV. OUT=500.88	

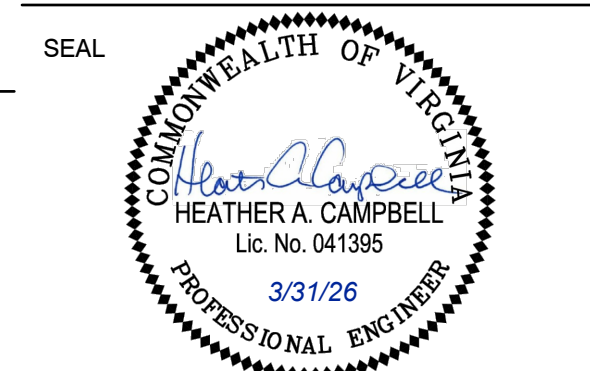


WATERLINE B PROFILE

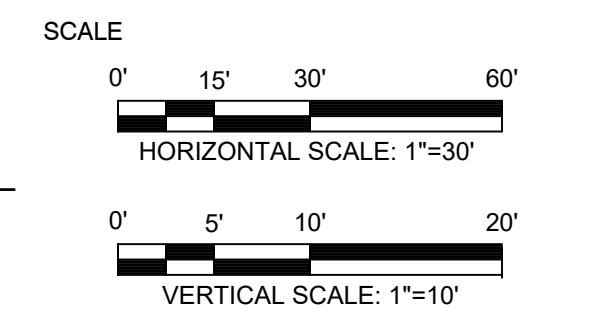


MATCHLINE SEE SHEET C2.4

ALBEMARLE COUNTY SERVICE AUTHORITY
TOWNWOOD WATER MAIN
REPLACEMENT PROJECT
CHARLOTTEVILLE, VIRGINIA
ALBEMARLE COUNTY, VA



KEY PLAN



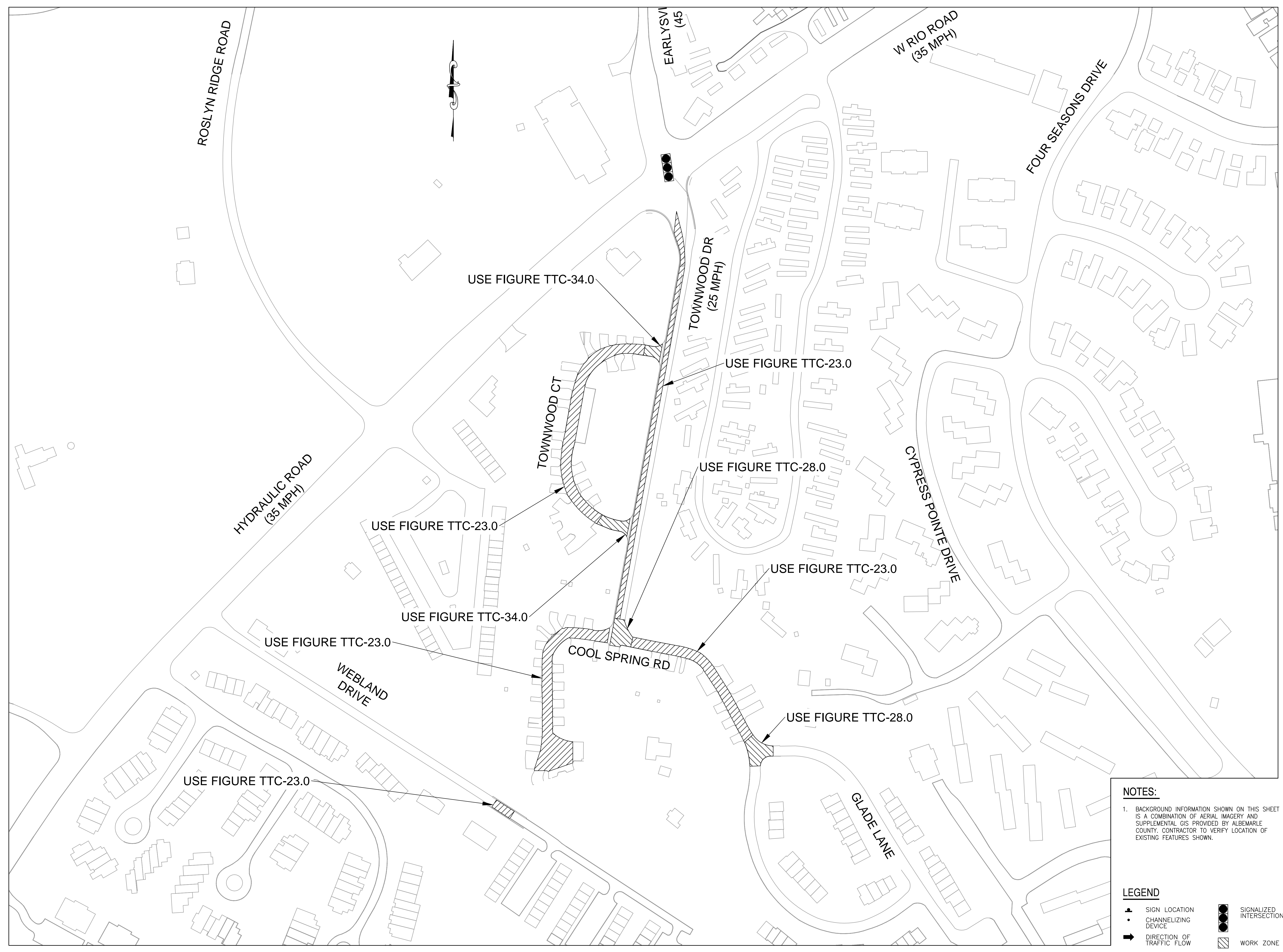
No.	DATE	BY	Description
REVISIONS			

DRAWN BY _____ HSQ
APPROVED BY _____ HAC
CHECKED BY _____ HAC
DATE _____ MARCH 2026
TITLE

**WATERLINE B
PLAN & PROFILE**

PROJECT NO. 50154109

C2.3

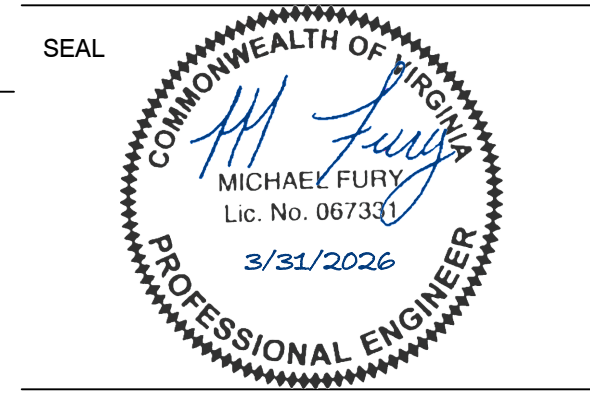


NOTES:
 1. BACKGROUND INFORMATION SHOWN ON THIS SHEET IS A COMBINATION OF AERIAL IMAGERY AND SUPPLEMENTAL GIS PROVIDED BY ALBEMARLE COUNTY. CONTRACTOR TO VERIFY LOCATION OF EXISTING FEATURES SHOWN.

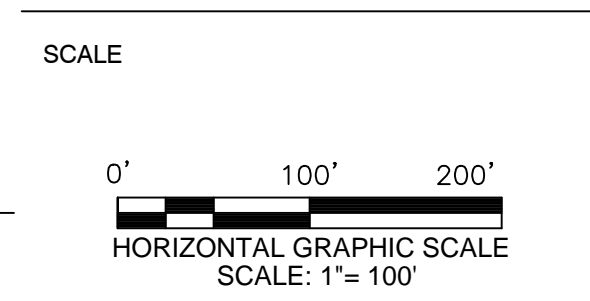
LEGEND

	SIGN LOCATION		SIGNALIZED INTERSECTION
	CHANNELIZING DEVICE		WORK ZONE
	DIRECTION OF TRAFFIC FLOW		

**ALBEMARLE COUNTY SERVICE AUTHORITY
 TOWNWOOD WATER MAIN
 REPLACEMENT PROJECT**
 CHARLOTTEVILLE, VIRGINIA
 ALBEMARLE COUNTY, VA



KEY PLAN



No.	DATE	BY	Description

REVISIONS

DRAWN BY	KG
APPROVED BY	
CHECKED BY	MF
DATE	MARCH 2026
TITLE	

**TEMPORARY
 TRAFFIC CONTROL
 PLAN**

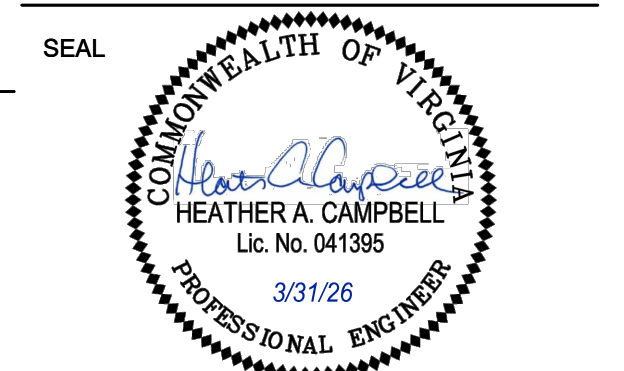
PROJECT NO. 50154109

C3.2



Dewberry Engineers Inc. 4805 Lake Brook Drive, Suite 200 Glen Allen, Virginia 22060 PHONE: 804.290.7957 FAX: 804.290.7928 www.dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY TOWNWOOD WATER MAIN REPLACEMENT PROJECT CHARLOTTESVILLE, VIRGINIA ALBEMARLE COUNTY, VA



KEY PLAN SCALE

Table with 4 columns: No., DATE, BY, Description. Includes REVISIONS section.

DRAWN BY: HSQ APPROVED BY: HAC CHECKED BY: HAC DATE: MARCH 2026

TITLE: EROSION AND SEDIMENT CONTROL AND PAVEMENT DETAILS

PROJECT NO. 50154109

C4.2

Table C-SSM-09-1 Construction Specifications for Temporary Seeding. Columns: Activity, Notes on Proper Performance. Rows: Liming, Fertilizer, Surface Roughening, Tracking, Seeding, Mulching, Reseeding.

Table C-SSM-09-2 Liming. Columns: Liming Requirements for Temporary Sites, Recommended Application of Agricultural Limestone. Rows: pH Test (below 4.2, 4.2 to 5.2, 5.2 to 6).

Table C-SSM-09-3 Plant Material for Temporary Seeding. Columns: Planting Dates, Species, Rate (pounds per acre). Rows: Sept. 1 - Feb. 15, Feb. 16 - Apr. 30, May 1 - Aug. 31.

Table C-SSM-09-4 Temporary Seeding Applications. Columns: Species, Seeding Rate, North, South, Plant Characteristics. Rows: Oats, Rye, German millet, Annual ryegrass.

Table C-SSM-09-4 Temporary Seeding Applications. Columns: Temporary Seeding Plant Materials, Seeding Rates, and Dates. Rows: Korean Lespedeza, Warm-season annual legume.



TEMPORARY SEEDING

C-SSM-09

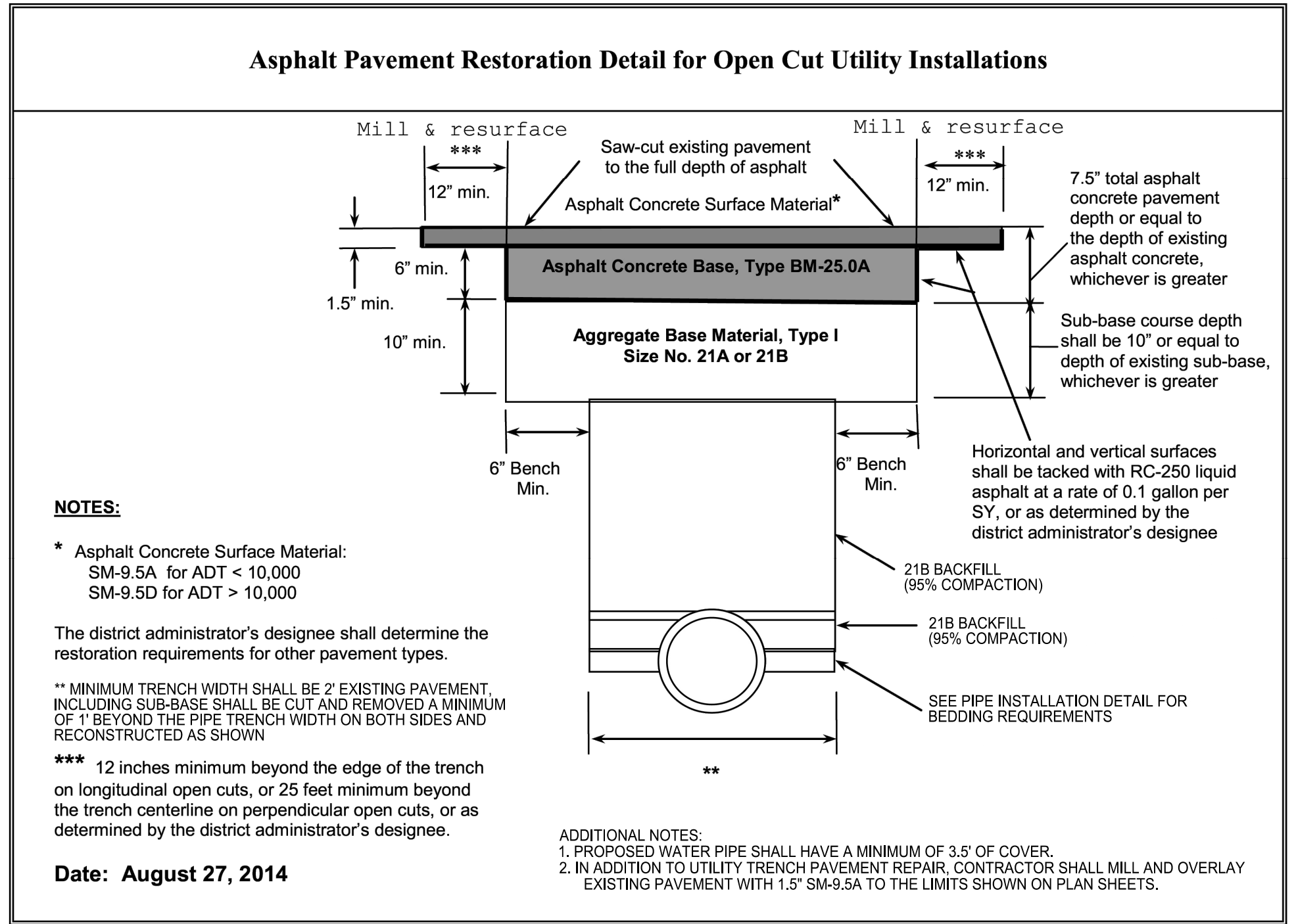


Table C-SSM-10-7 Site-Specific Seeding Mixtures for Piedmont Area. Columns: Site Condition, Seed Mix, Application Rate (pounds per acre). Rows: Minimum-Care Lawn, Commercial or Residential, High-Maintenance Lawn, General Slope.

* Use seasonal nurse crop in accordance with seeding dates as stated below: February 16 through April - annual/cereal rye May 1 through August 15 - foxtail/German millet August 16 through February 15 - annual/cereal rye



PERMANENT SEEDING PIEDMONT AREA

C-SSM-10

E
D
C
B
A

DEQ VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY v1.1

TP CONSTRUCTION OPERATIONS RELATIVE TO THE LOCATION OF PROTECTED TREES

SOURCE: FAIRFAX CO., VA. PUBLIC FACILITIES MANUAL C-SSM-01-1

DEQ VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY v1.1

TP TREE CARE

SOURCE: FAIRFAX COUNTY, 1976 C-SSM-01-8

Table C-SSM-11-2 Construction Specifications for Organic Mulches	
Parameter	Instructions
Criteria	Organic mulches may be used in any area where mulch is required, subject to the restrictions noted in Table C-SSM-11-5. Organic mulches are effective where they can be tacked securely to the surface of the soil.
Materials	Select materials based on site requirements, availability of materials, and availability of labor and equipment. Table C-SSM-11-5 lists the most used organic mulches. Other materials, such as peanut hulls and cotton burs, may be used with the permission of the certified plan reviewer.
Prior to Mulching	Before mulching, complete the required grading and install necessary sediment control practices. Apply lime and fertilizer seed and complete surface roughening as needed before mulching except in the following circumstances. Seed is applied as part of a hydroseeder slurry containing wood fiber mulch. A hydroseeder slurry is applied over straw.
Application	Spread mulch materials uniformly by hand or machine. When spreading straw mulch by hand, divide the area to be mulched into approximately 1,000-square-foot sections and place 70 to 90 pounds (1.5 to 2 bales) of straw in each section to facilitate uniform distribution. After spreading mulch, ensure no more than 25% of the ground is visible. When using a hydroseeder, confirm the use of a green dye to ensure the seed is spread uniformly across the ground.

Straw mulch must be anchored immediately after spreading to prevent displacement. Other organic mulches listed in Table C-SSM-11-5 do not require anchoring. Use the following methods of anchoring straw.

Table C-SSM-11-3 Mulch Anchoring Specifications	
Method	Notes on Proper Use
Mulch Anchoring Tool	A tractor-drawn implement designed to punch mulch into the soil surface, often referred to as a Krimper or Krimper tool. This method provides good erosion control with straw. It is limited to use on slopes no steeper than 3H:1V, where equipment can operate safely. Operate machinery along the contour.
Fiber Mulch	A very common practice with widespread use today. Apply fiber mulch by means of a hydroseeder at a rate of 500 to 750 pounds per acre atop straw mulch or hay. Fiber mulch has an added benefit of providing additional mulch to the newly seeded area.
Mulch Nettings	Lightweight plastic, cotton, or paper nets may be stapled over the mulch according to manufacturer's recommendations.

Table C-SSM-11-3 Mulch Anchoring Specifications	
Method	Notes on Proper Use
Peg and Twine	Because it is labor-intensive, this method is feasible only in small areas where other methods cannot be used. Drive 8- to 10-inch wooden pegs 3 inches into the soil surface every 4 feet in all directions. Stakes may be driven before or after straw is spread. Secure mulch by stretching twine between pegs in a crisscross-within-a-square pattern. Turn twine two or more times around each peg.
Vegetation	Rye (grain) may be used to anchor the mulch in fall plantings and German millet in the spring. Broadcast at 15 pounds per acre before applying mulch. Ensure application of liquid mulch binders and tackifiers is heaviest at edges of mulched areas and at crests of ridges and banks to prevent displacement. Uniformly apply the binder to the remainder of the area. Binders may be applied after mulch is spread or may be sprayed into the mulch as it is being blown onto the soil. Straw and binder together are noted as the most effective method. The following types of binders may be used:
Liquid Mulch Binders	Synthetic Binders: Formulated binders or organically formulated products may be used as recommended by the manufacturer to anchor mulch. Asphalt: Any type of asphalt thin enough to be blown from spray equipment is satisfactory. Use rapid-curing (RC-70, RC-250, RC-800), medium-curing (MC-250, MC-800), and emulsified asphalt (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply asphalt at 0.1 gallon per square yard (10 gal./1000 sq. ft. or 430 ga./acre). Do not use heavier applications, as it may cause the straw to "perch" over rills. All asphalt designations are from the Asphalt Institute Specifications. In traffic areas, uncured asphalt can be picked up on shoes and cause damage to the indoors of buildings/houses. Use RS or CRS types to minimize any potential risk. *Note: This method is not used as commonly as it once was. The development of hydraulic seeding equipment has encouraged the industry to turn to synthetic or organically based binders and tackifiers. When this method is used, environmental concerns should be addressed to ensure that petroleum-based products do not enter water supplies. Avoid applications into waterways or channels.

Table C-SSM-11-4 Chemical Mulch Specifications		
Mulch Type	Notes on Proper Use	
Chemical Mulches	Chemical mulches* may be used alone only in the following situations: Where no other mulching material is available. In conjunction with temporary seeding when mulch is not required for that practice. From March 15 to May 1 and August 15 to September 30, provided they are used on areas with slopes no steeper than 4H:1V that have been roughened in accordance with Surface Roughening (C-SSM-03). If rill erosion occurs, another mulch material will be applied immediately. *Note: Chemical mulches may be used to bind other mulches or with fiber mulch in a hydroseeded slurry at any time. Manufacturer's recommendations for application of chemical mulches will be followed.	

Table C-SSM-11-5 Organic Mulch Materials and Application Rates			
Mulches	Rates		Notes
	Per Acre	Per 1,000 ft ²	
Straw or Hay	1.5 to 2 tons	70 to 90 lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand. Use a minimum of 2 tons per acre for winter cover.
Fiber Mulch	1,500 lbs.	35 lbs.	Do not use as mulch for winter cover or during hot, dry periods. Apply as slurry. When fiber mulch is the only available mulch during periods when straw should be used, apply at a minimum rate of 2000 lbs./acre or 45 lbs./1,000 ft ² .
Corn Stalks	4 to 6 tons	185 to 275 lbs.	Cut or shredded in 4- to 6-inch lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.
Wood Chips	4 to 6 tons	185 to 275 lbs.	Free of coarse matter. Air-dried. Treat with 12 lbs. nitrogen per ton. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.
Bark Chips or Shredded Bark	50 to 70 cy	1 to 2 cy	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.

Source: Va. DSWC

DEQ VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY v1.1

MU MULCHING

C-SSM-11

Dewberry
Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, Virginia 23060
PHONE: 804.290.7957
FAX: 804.290.7928
www.dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY
TOWNWOOD WATER MAIN
REPLACEMENT PROJECT
CHARLOTTESVILLE, VIRGINIA
ALBEMARLE COUNTY, VA

SEAL
COMMONWEALTH OF VIRGINIA
HEATHER A. CAMPBELL
Lic. No. 041395
3/31/26
PROFESSIONAL ENGINEER

KEY PLAN
SCALE

No.	DATE	BY	Description

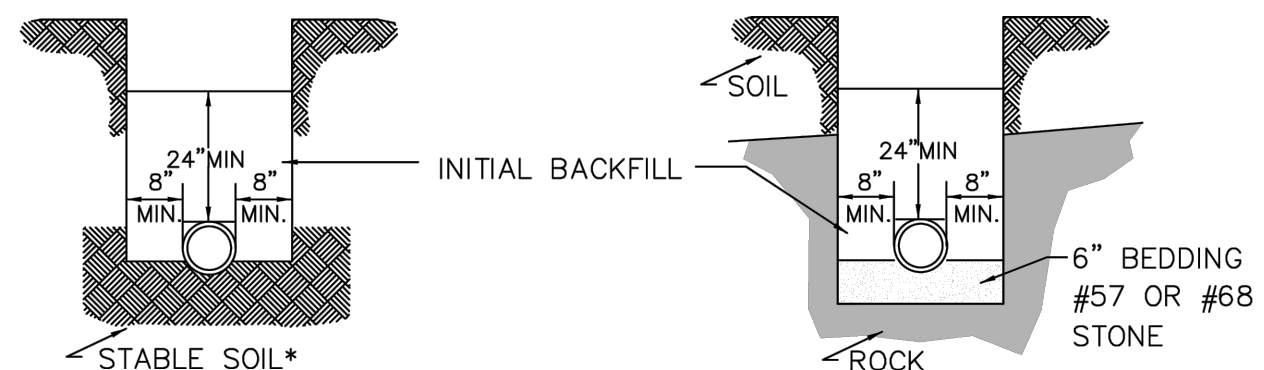
REVISIONS
DRAWN BY _____ HSQ
APPROVED BY _____ HAC
CHECKED BY _____ HAC
DATE _____ MARCH 2026

TITLE
EROSION AND SEDIMENT CONTROL DETAILS

PROJECT NO. 50154109

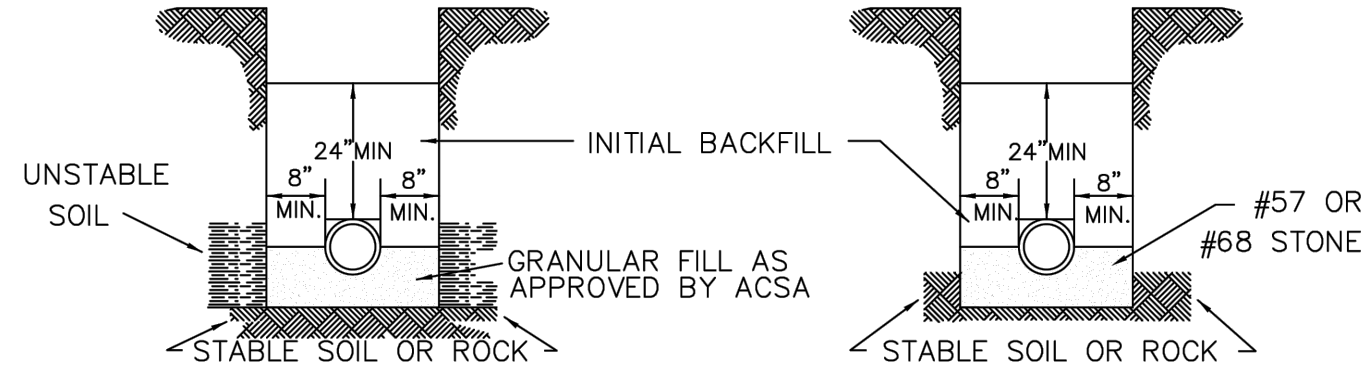
C4.3

GOOD FOUNDATION MATERIAL ROCKY FOUNDATION MATERIAL



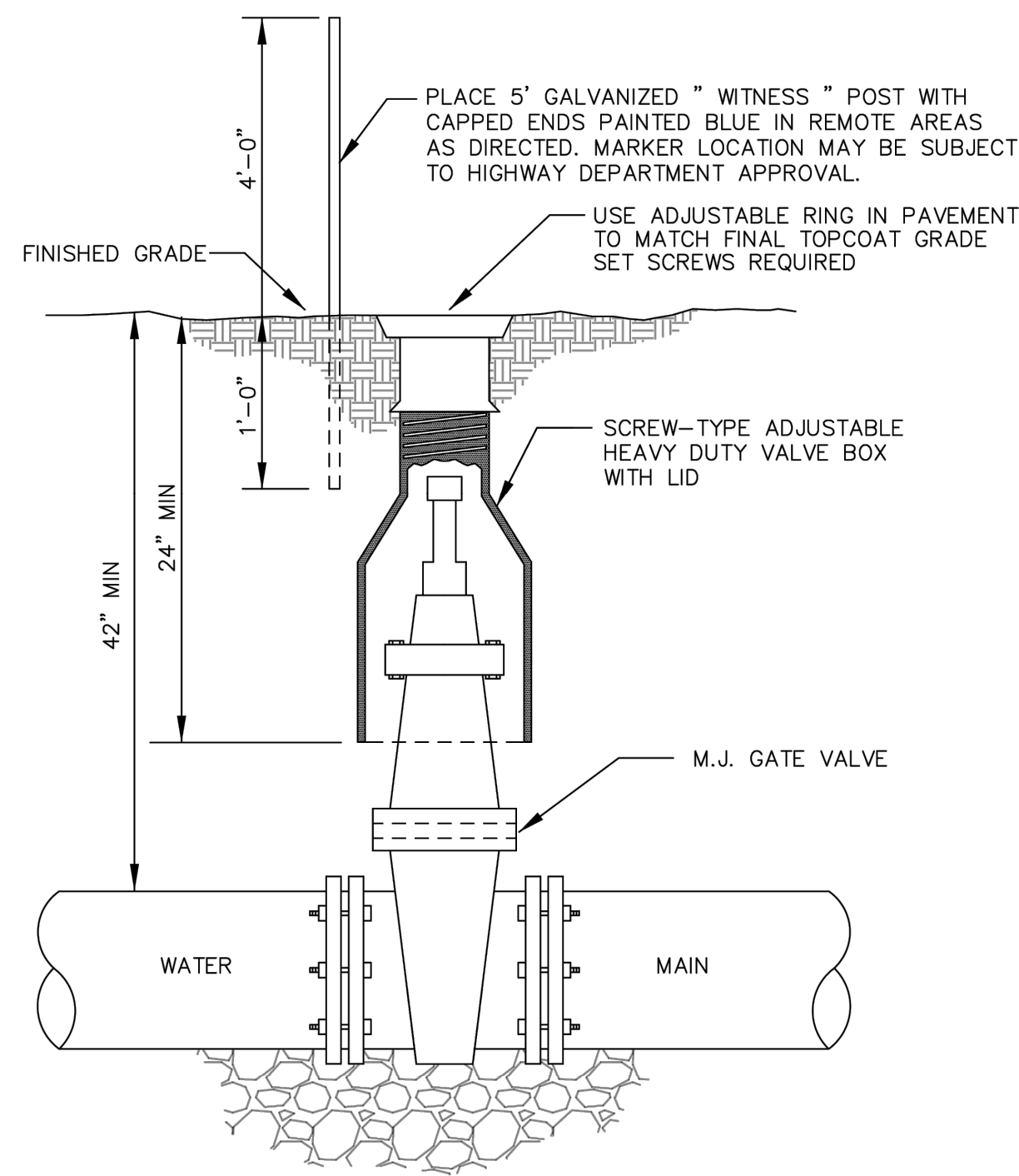
* SCRAPE THE BOTTOM OF THE TRENCH. REMOVE ALL STONES TO ENSURE THE PIPE DOESN'T REST ON ROCK AND THEN COMPACT THE SOIL OR PROVIDE A 4" BEDDING OF #57 OR #68 STONE.

FOUNDATION IN POOR SOIL UNDER-CUT CONDITION



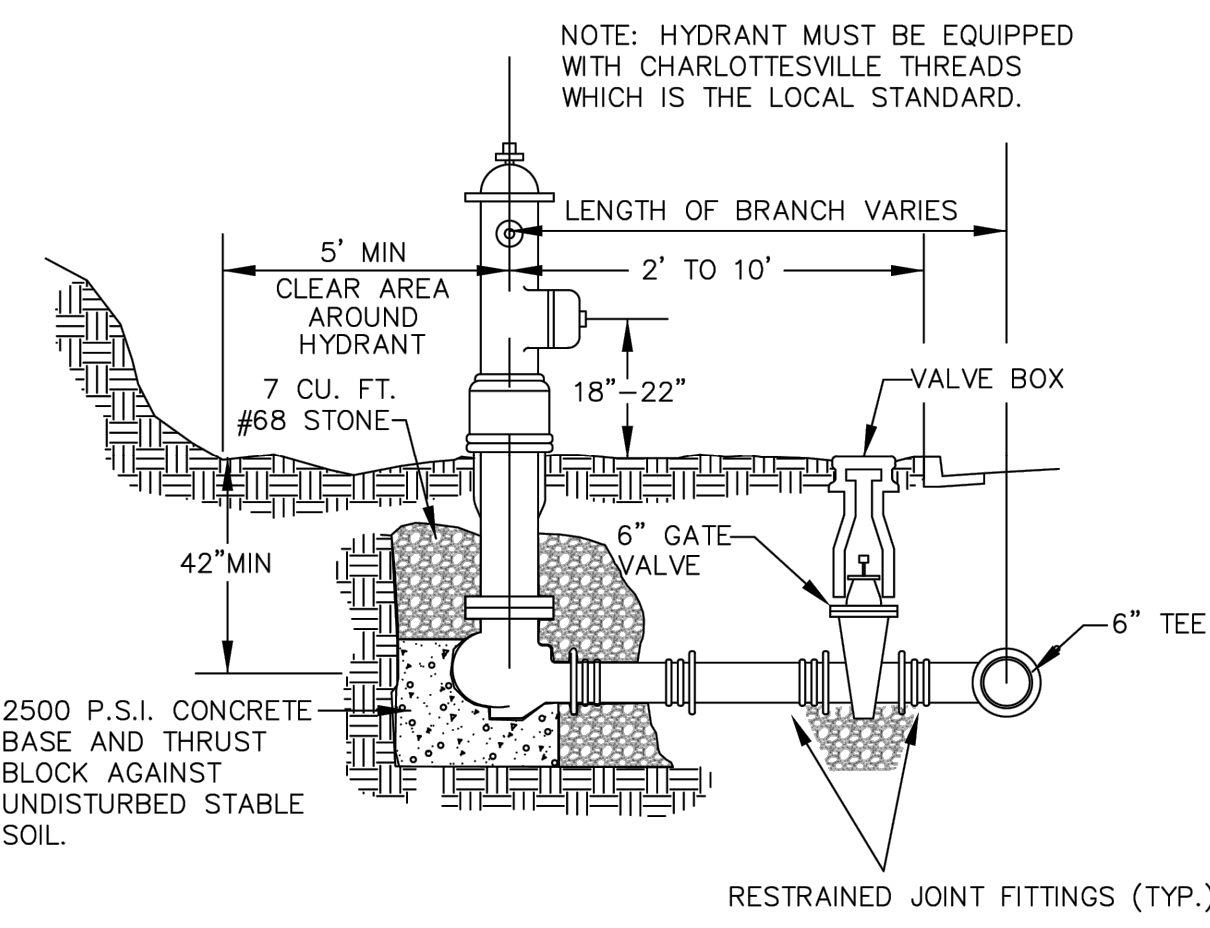
- NOTES:
1. NO ROCKS SHALL BE ALLOWED WITHIN 24" OF THE WATER LINES.
 2. NO ROCKS LARGER THAN 6" IN ANY DIMENSION SHALL BE ALLOWED ABOVE THE INITIAL BACKFILL.
 3. THE INITIAL BACKFILL SHALL BE PLACED AND COMPACTED IN 6" LIFTS.
 4. NO ORGANIC OR FROZEN MATERIAL OR DEBRIS SHALL BE ALLOWED IN THE TRENCH.
 5. BELL HOLES SHALL BE DUG OUT IN ALL CASES.
 6. OPEN CUTS IN PAVED AREAS WITHIN EXISTING VDOT RIGHT-OF-WAY SHALL BE BACKFILLED ENTIRELY WITH NO. 21A STONE.

ALBEMARLE COUNTY SERVICE AUTHORITY DUCTILE IRON WATER MAIN INSTALLATION AND BEDDING NOT TO SCALE REV 8/6/2024 DETAIL W-1



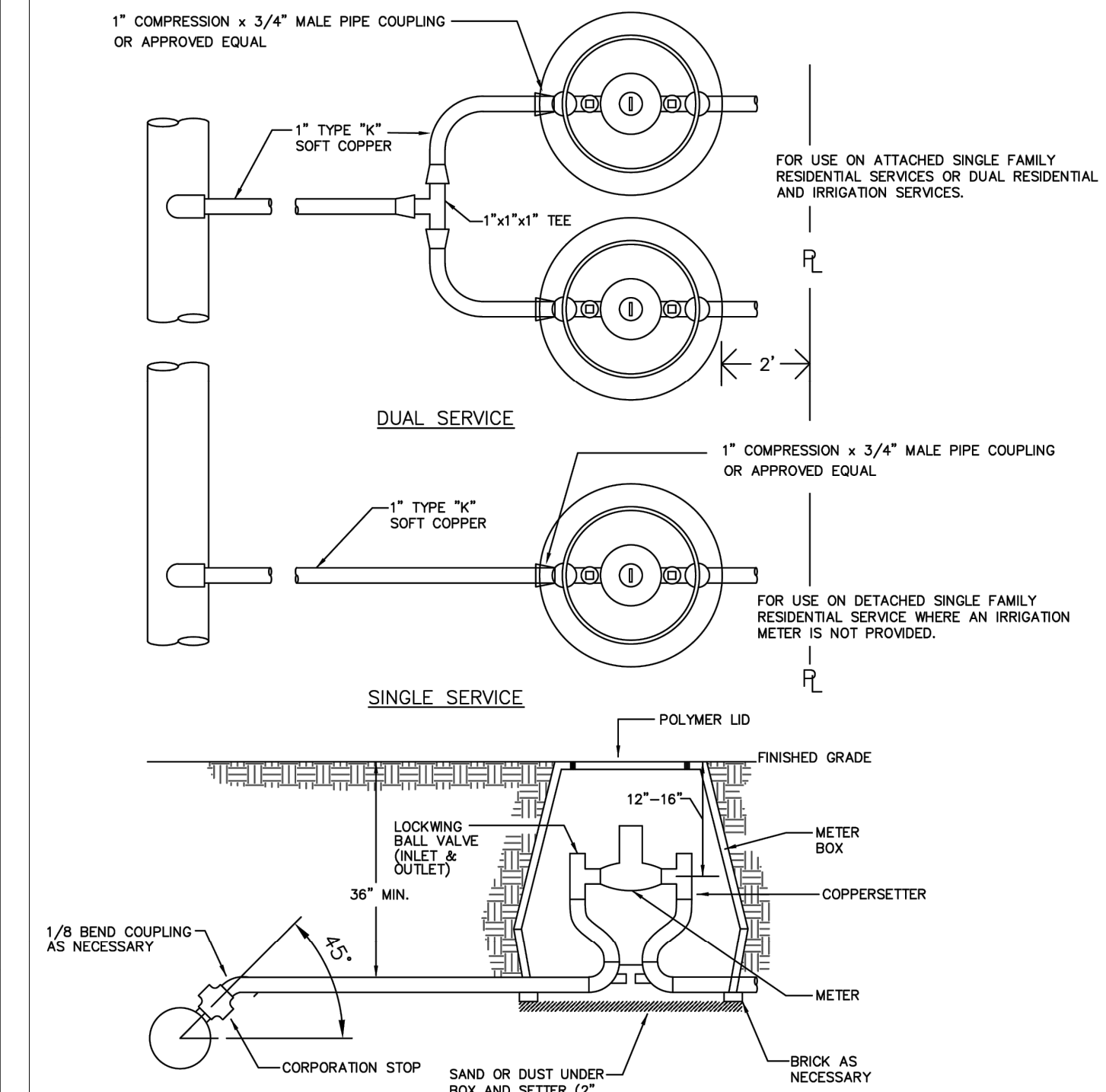
- NOTES:
1. MINIMUM 6" OF #57 OR #68 STONE TO BE PLACED UNDER GATE VALVE.
 2. IN REMOTE AREAS, VALVE BOXES SHALL EXTEND SIX (6) INCHES ABOVE GRADE.

ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL GATE VALVE NOT TO SCALE REV 8/6/2024 DETAIL W-2



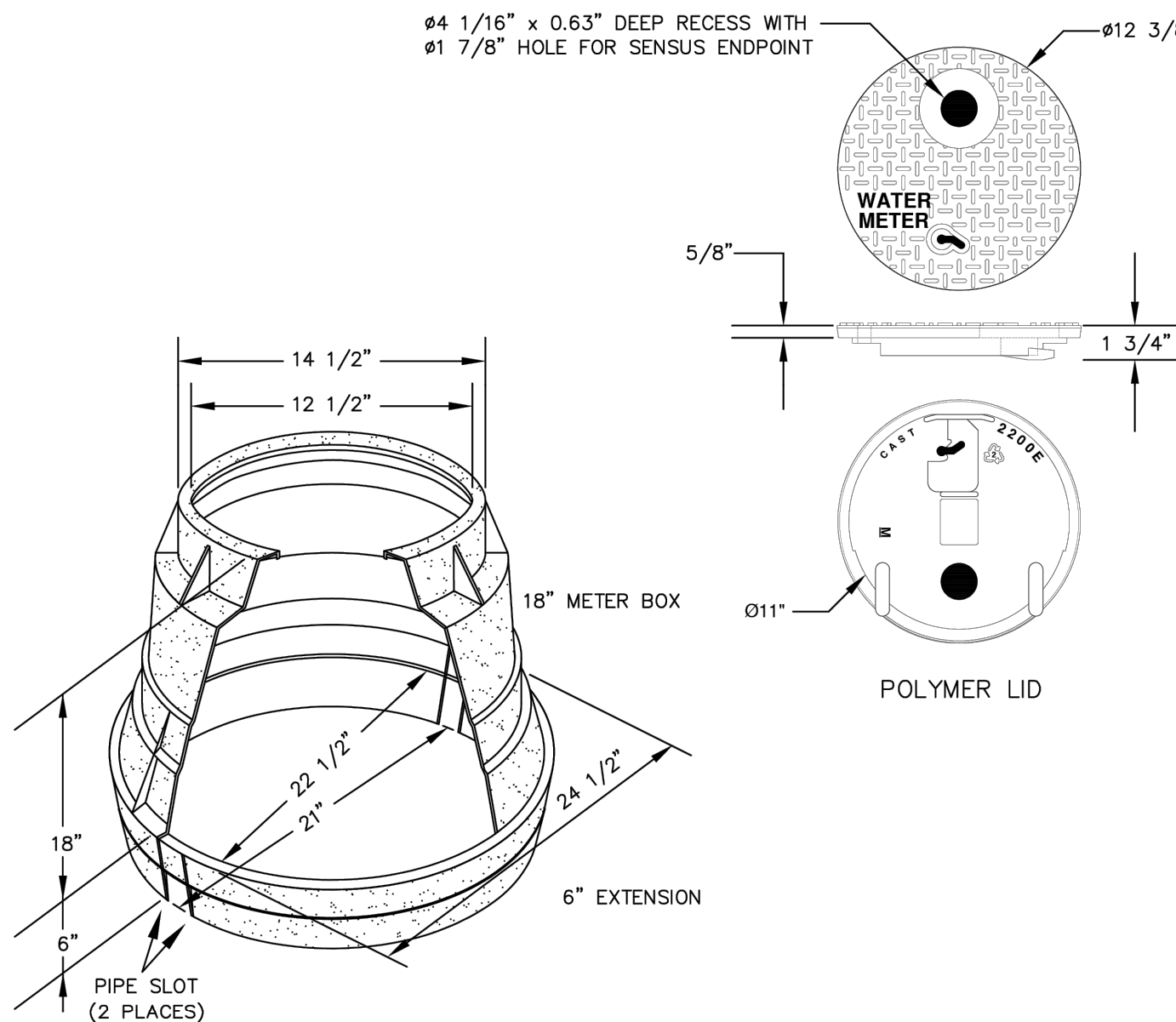
- NOTES:
1. SURROUND WEEP HOLES WITH GRAVEL AND KEEP FREE OF CONCRETE.
 2. MAINTAIN A 42" MINIMUM COVER FROM THE MAIN TO THE FIRE HYDRANT (INCLUDING DITCHES)
 3. FINISHED GRADE SHALL SLOPE AWAY FROM THE FIRE HYDRANT AND VALVE BOX.
 4. THE GATE VALVE IS PREFERRED IN PAVEMENT AFTER TEE WITH MAIN. IT IS ALLOWED IN SHOULDER, OR BEHIND DITCH, BUT NOT ALLOWED IN DITCH OR GUTTER.
 5. FIRE HYDRANTS SHALL BE INSTALLED AT LOCATIONS WHERE WEEP HOLES ARE ABOVE THE PREVAILING GROUNDWATER ELEVATION. IF REQUIRED TO BE IN WET AREAS, THE WEEP HOLES SHALL BE PLUGGED AND THE HYDRANT SHALL BE PUMPED DRY.

ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL FIRE HYDRANT ASSEMBLY DETAIL NOT TO SCALE REV 8/6/2024 DETAIL W-3



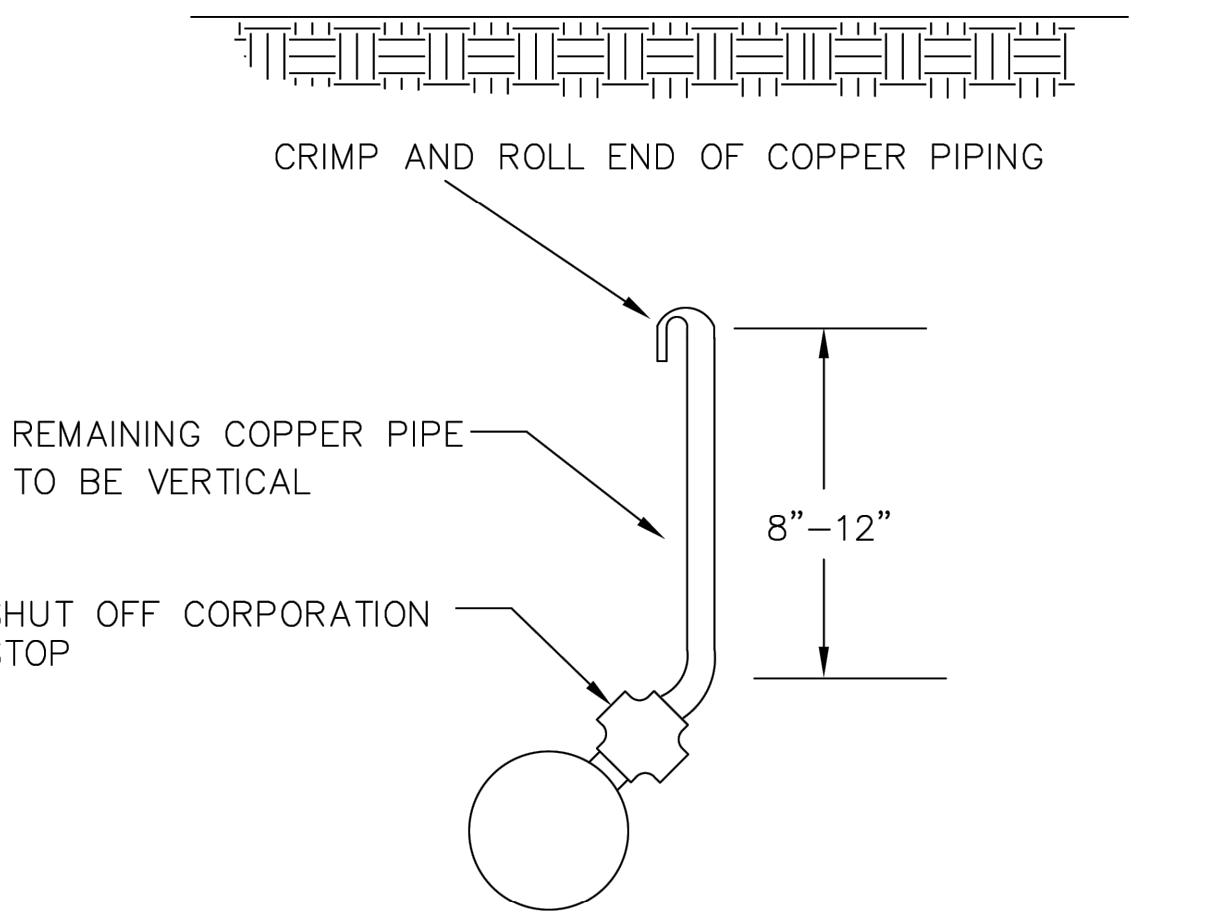
- NOTES:
1. SADDLES SHALL BE USED TO TAP PLASTIC AND AC WATER MAINS.
 2. NO SWEATED FITTINGS.
 3. 36 INCHES OF COVER OVER SERVICE LINE SHALL BE MAINTAINED FOR UP TO 5 FEET BEFORE METER BOX. SERVICE LINE SHALL BE BROUGHT TO SETTER ELEVATION WITHIN THE LAST 5 FEET TO METER BOX.

ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL SERVICE LATERAL INSTALLATION (3/4" AND 1" METERS) NOT TO SCALE REV 8/6/2024 DETAIL W-4

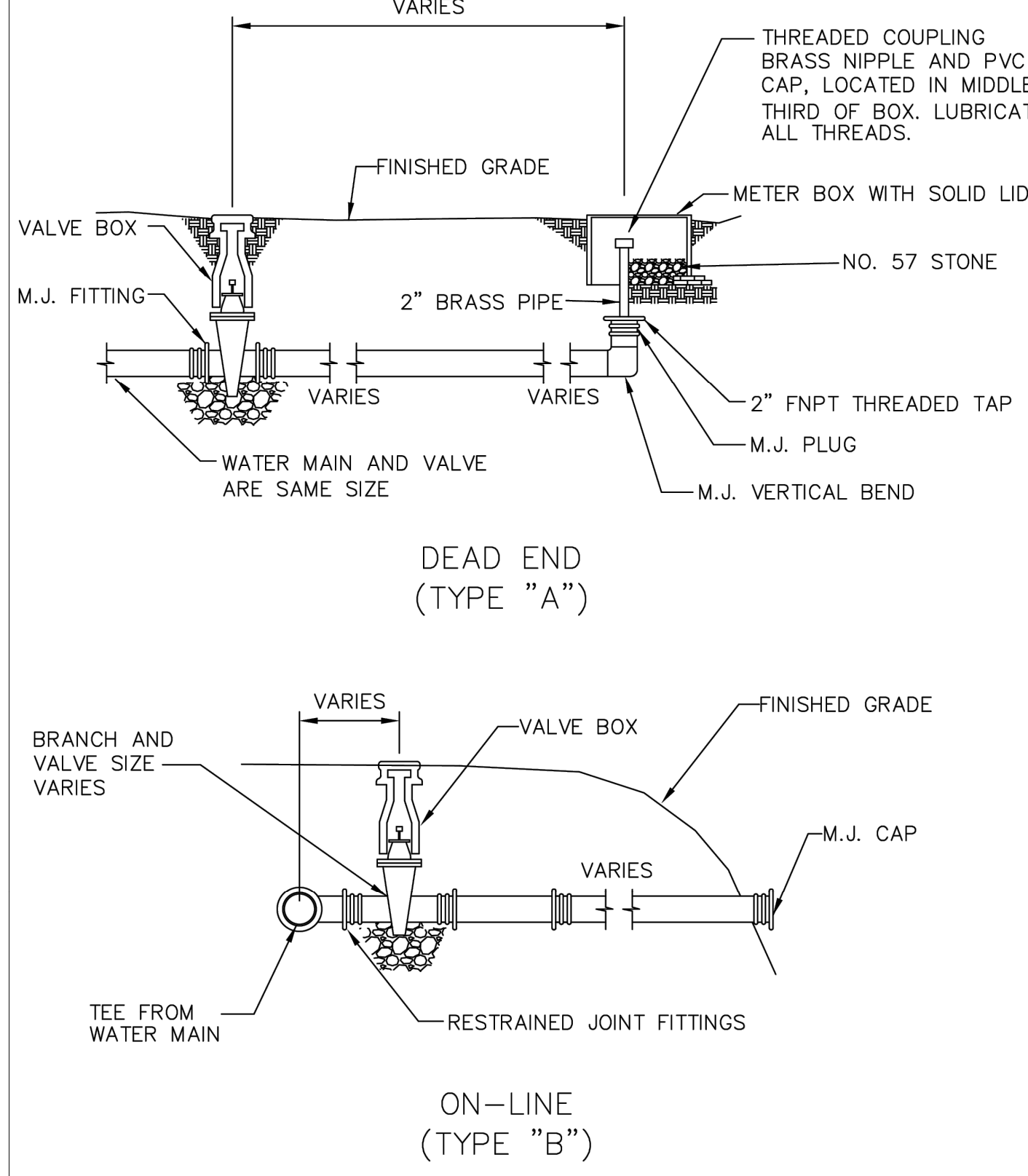


- NOTES:
1. THE POLYMER LID SHALL HAVE A MOLDED KEYHOLE OR PICK BAR FOR LID REMOVAL.
 2. THE POLYMER LID SHALL HAVE A MAGNET OR REBAR MOLDED WITHIN THE LID FOR LOCATING.
 3. THE POLYMER LID SHALL BE BLACK.
 4. BOX SHALL BE TRAFFIC RATED IF A 1" METER IS INSTALLED.

ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL METER BOXES (3/4" AND 1" METERS) NOT TO SCALE REV 8/6/2024 DETAIL W-5



ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL SERVICE TAP ABANDONMENT NOT TO SCALE REV 8/6/2024 DETAIL W-6

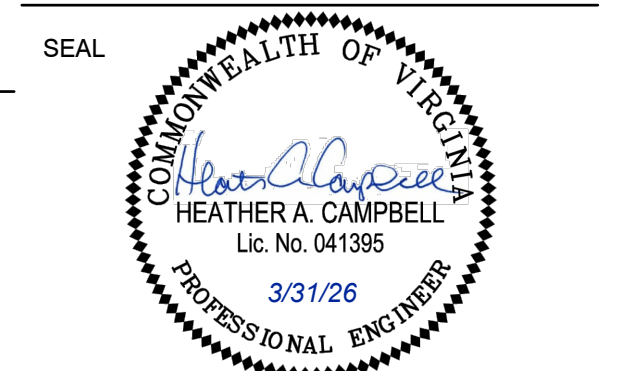


ALBEMARLE COUNTY SERVICE AUTHORITY TYPICAL BLOW-OFF ASSEMBLY (BOA) NOT TO SCALE REV 8/6/2024 DETAIL W-13



Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, Virginia 23060
PHONE: 804.290.7957
FAX: 804.290.7928
www.dewberry.com

ALBEMARLE COUNTY SERVICE AUTHORITY
TOWNWOOD WATER MAIN
REPLACEMENT PROJECT
CHARLOTTESVILLE, VIRGINIA
ALBEMARLE COUNTY, VA



KEY PLAN

SCALE

No.	DATE	BY	Description

REVISIONS

DRAWN BY _____ HSQ
APPROVED BY _____ HAC
CHECKED BY _____ HAC
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TITLE

WATER DETAILS
PROJECT NO. 50154109

C5.0

