Arlington County Department of Environmental Services DES

Construction Standard Details 2020

Update #1 February 2023



The following Standard Details are modified or added to the 2020 DES Construction Standard Details:

Detail M-3.0 Pipe Bedding Details for Trench Conditions [Modification]

• Added Detectible Marking Tape

Detail M-9.0 Tracer Wire Sample Plan [New Detail]

New Detail

Detail M-9.1 Tracer Wire Lateral Detail [New Detail]

New Detail

Detail M-9.2 Tracer Wire Access in Inlet or Manhole for Paved Areas [New Detail]

• New Detail

Detail R-1.4 Typical Section, Divided Thoroughfare [Modification]

• Updated median subgrade call out from "Note 5" to "Note 6"

Detail R-2.4A Concrete Driveway Entrance [Modification]

- Removed Reference to R-2.4A Sheet 2
- Revised Typical Width of Utility Strip to 6'0"

Detail R-2.4B Concrete Driveway Entrance (Depressed) [Modification]

- Removed Reference to R-2.4A Sheet 2
- Revised Typical Utility Strip Width to 6'0"

Detail R-2.4C Concrete Driveway Entrance (Mountable Curb) [Modification]

- Removed Reference to R-2.4A Sheet 2
- Revised Typical Sidewalk Width to 6'

Detail R-3.3 Trail Railing [Modification]

• Removed Numbered Notes

Detail R-4.0 Mortar Rubble Retaining Wall Level Backfill [Modification]

• Removed Reference "(For Def., See Drawing R-1.0)"

Detail R-4.1 Mortar Rubble Retaining Wall with Concrete Base, Level Backfill [*Modification*]

• Removed Reference "(For Def., See Drawing R-1.0)"

Detail R-4.2 Mortar Rubble Retaining Wall Infinite Surcharge or Deck Surcharge

[Modification]

• Removed Reference "(For Def., See Drawing R-1.0)"

Detail R-4.3 Mortar Rubble Retaining Wall With Concrete Base and Infinite Surcharge or Deck Surcharge [*Modification*]

- Removed Reference "(For Def., See Drawing R-1.0)"
- Revised Note 2 reference to R-4.1 to R-4.0

Detail D-3.4 Storm Sewer Manhole, MH-3 For Pipe Sizes Greater than 54" [Modification]

• Updated Reference Number from "M-3.4" to "D-3.4"

Detail W-8.2 Water Service Connections 6 Inch and 8 Inch by Developer [Modification]

- Number Change
- Changed Number from M-8.2 to W-8.2

Detail W-9.3 3 Inch Water Service by Developer [Modification]

- References to "F" changed to "FLG"
- Reference to MEGALUGS removed from Note 4
- Concrete Thrust Blocks are darker

Detail W-9.4 4 Inch Water Service by Developer [Modification]

- Title Updated to Read "4 Inch Water Service by Developer"
- References to "F" changed to "FLG"
- Reference to MEGALUGS removed from Note 4
- Note 6 Updated to replace '3" FLG' with '4" FLG'
- Concrete Thrust Blocks are bolder

Detail W-9.5 Water Meter Installation 6 Inch Service by Developer [*Modification*]

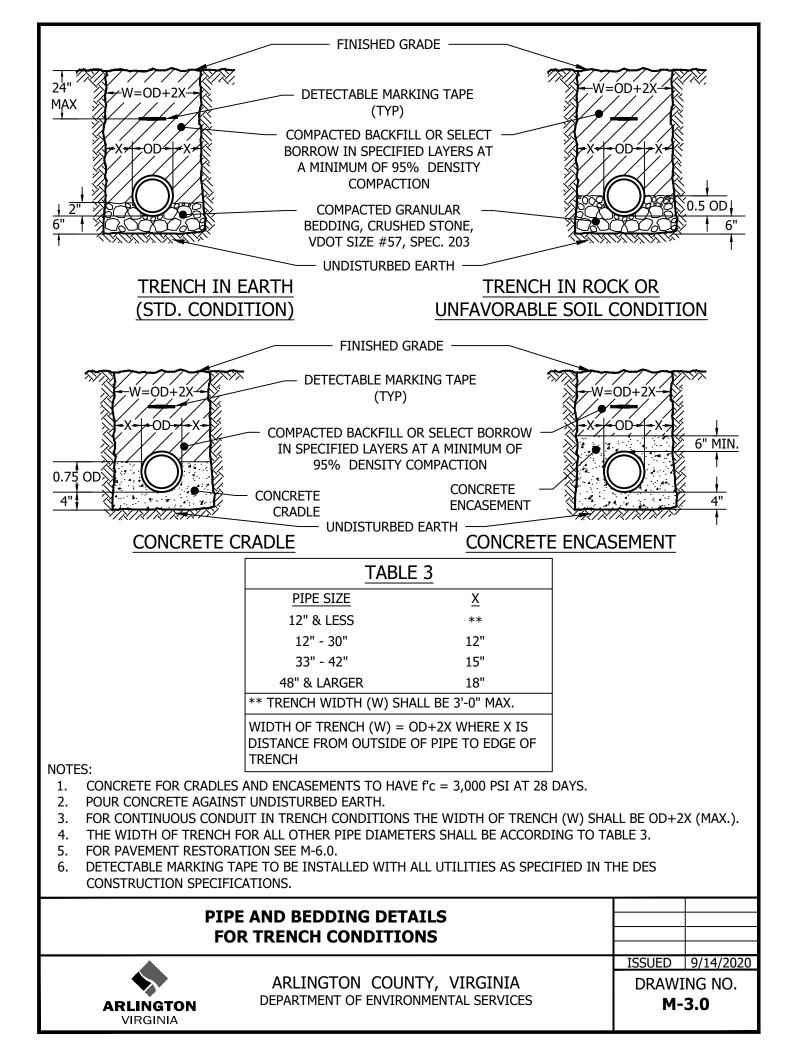
- Updated '2 6" FLG x O.S.&Y. FLG Valves' to '2- 6" FLGxFLG OSY Valves'
- Reference to MEGALUGS removed from Note 4
- Concrete Thrust Blocks are bolder

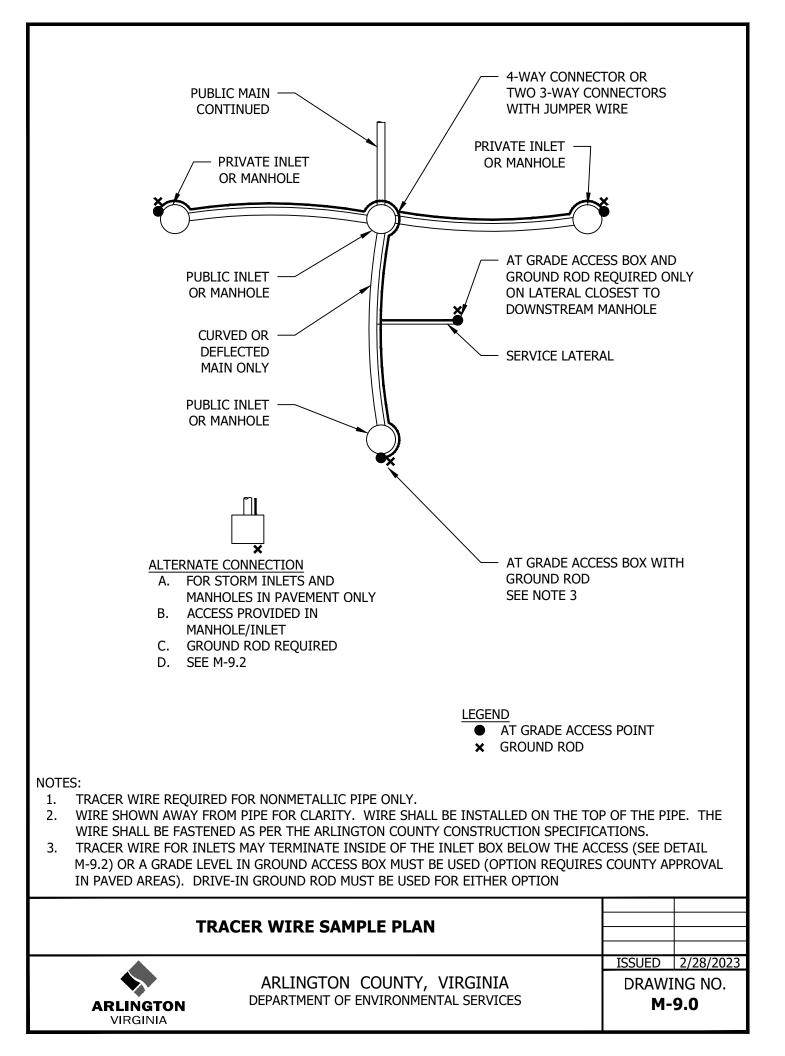
Detail W-9.6 Water Meter Installation 8 Inch Service by Developer [*Modification*]

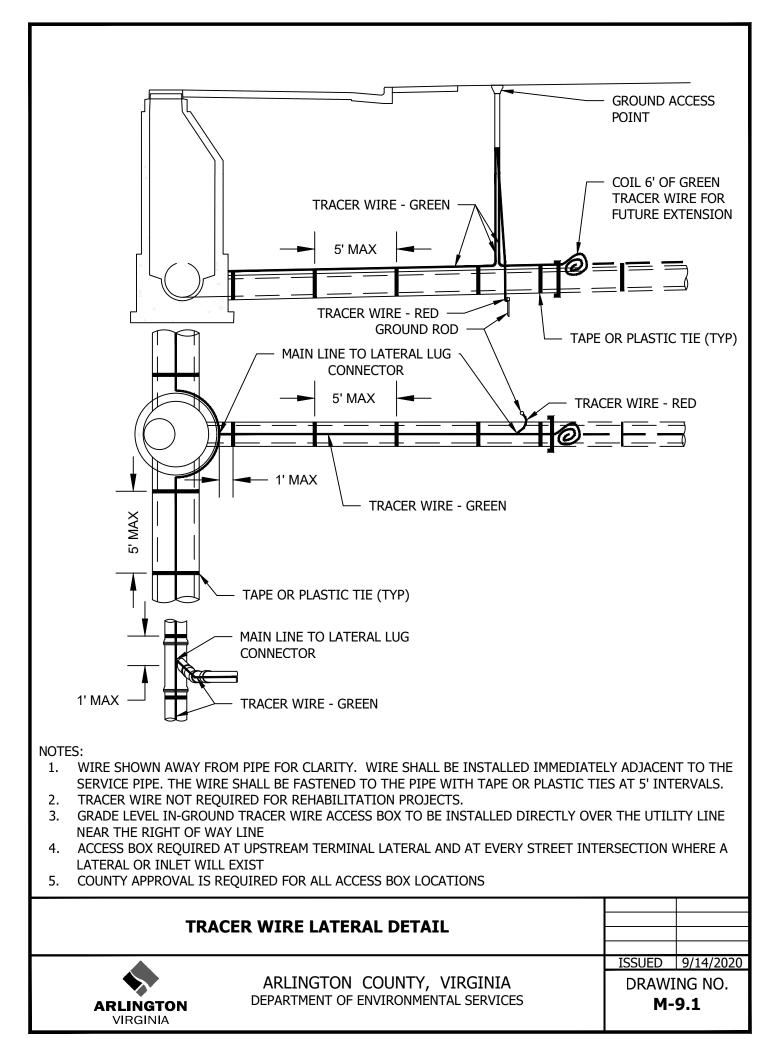
- Updated '2 8" FLG x O.S.&Y. FLG Valves' to '2 8" FLGxFLG OSY Valves'
- Reference to MEGALUGS removed from Note 4
- Concrete Thrust Blocks are bolder

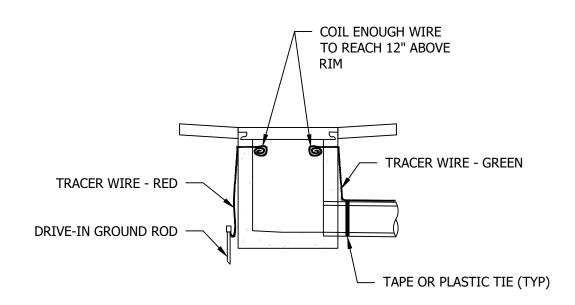
Detail W-10.0 Water Meter Fact Sheet [Deletion]

• This detail is removed



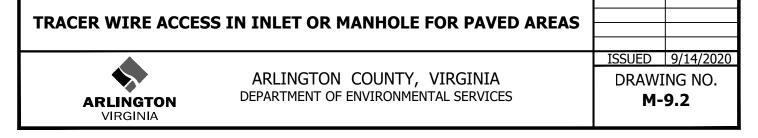


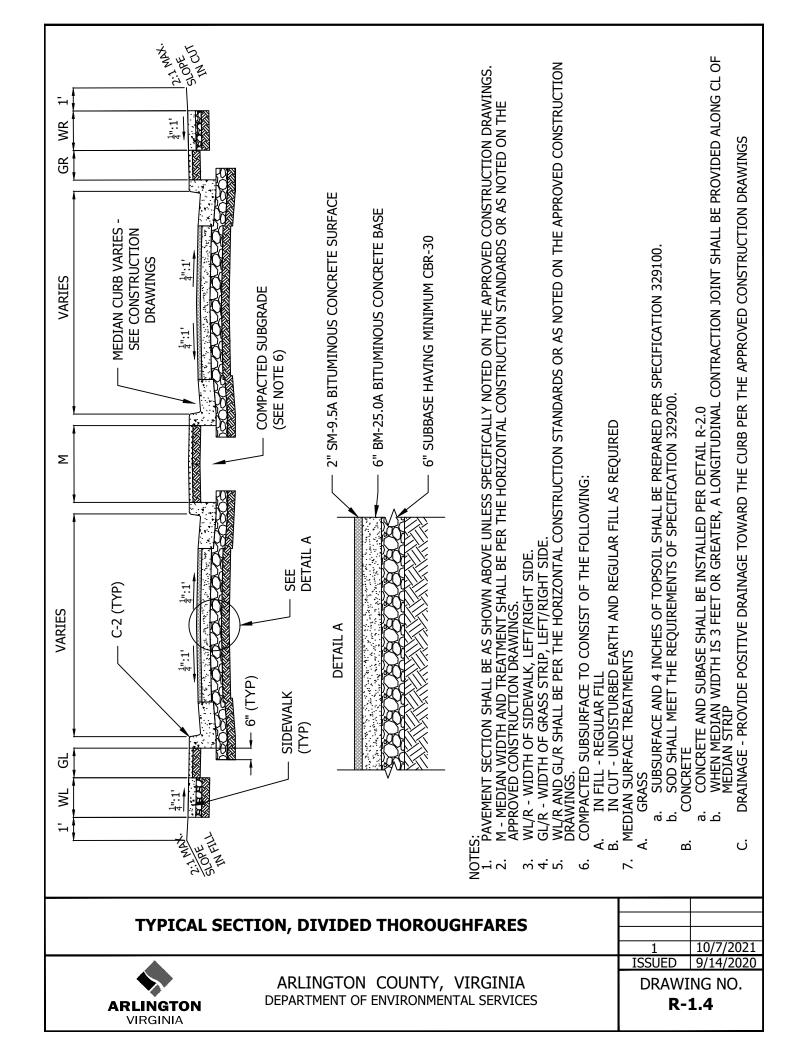


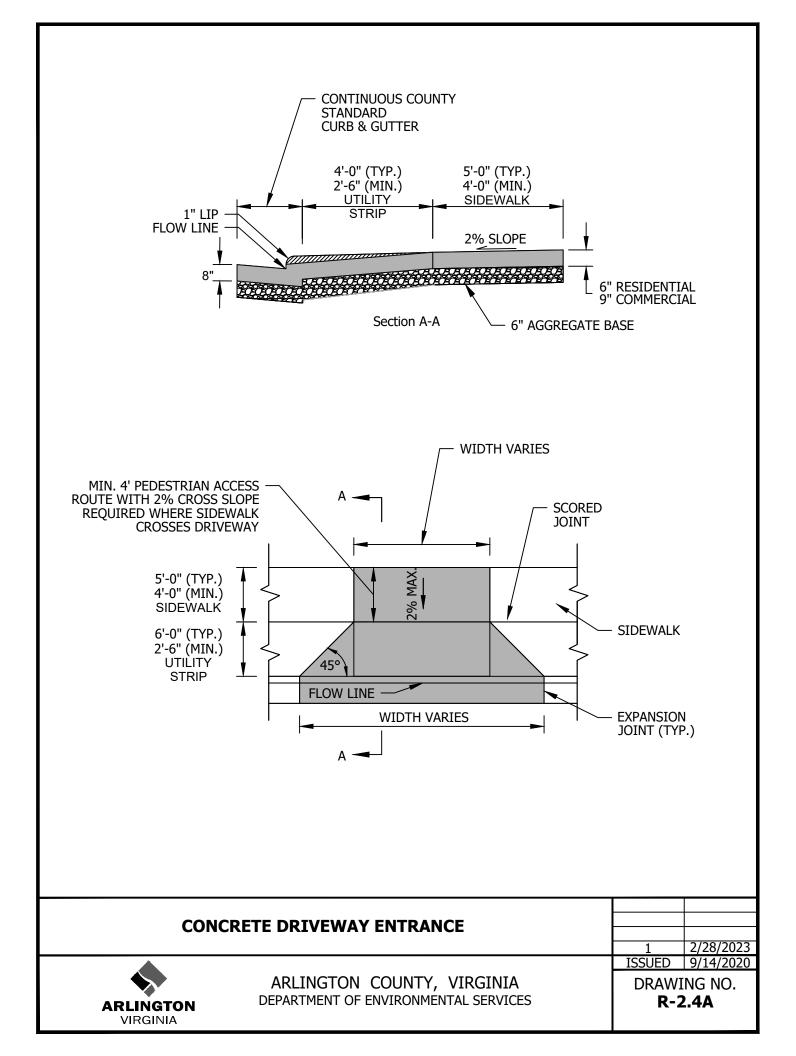


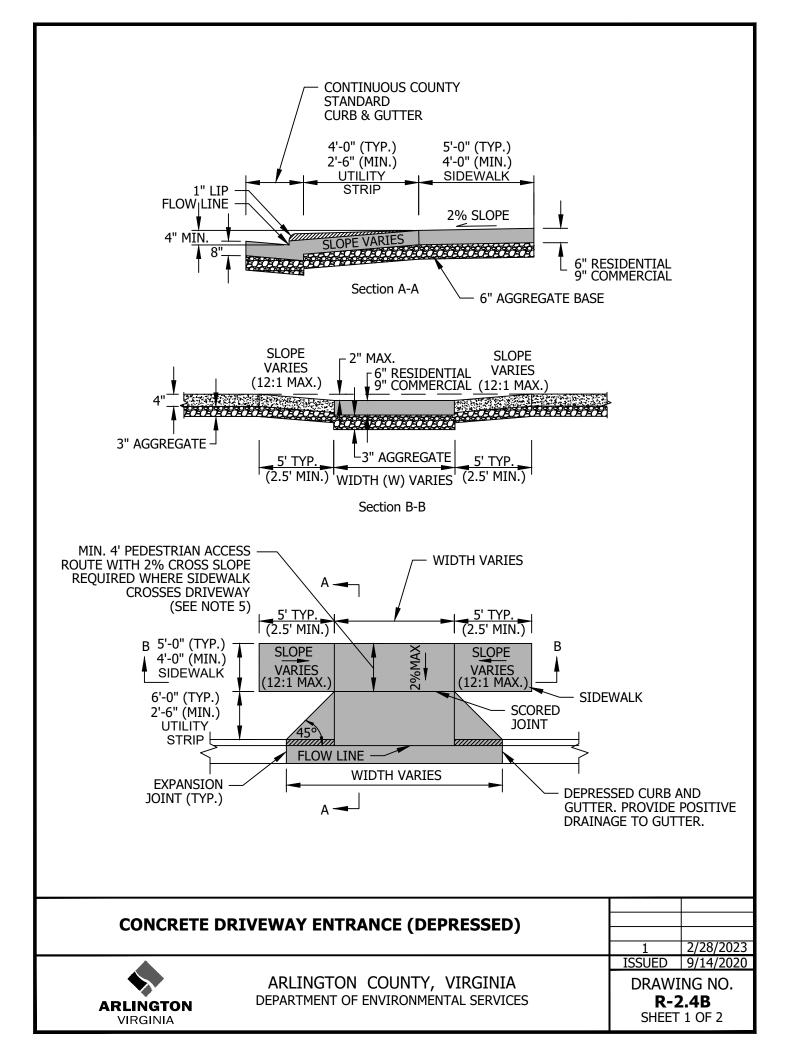
NOTES:

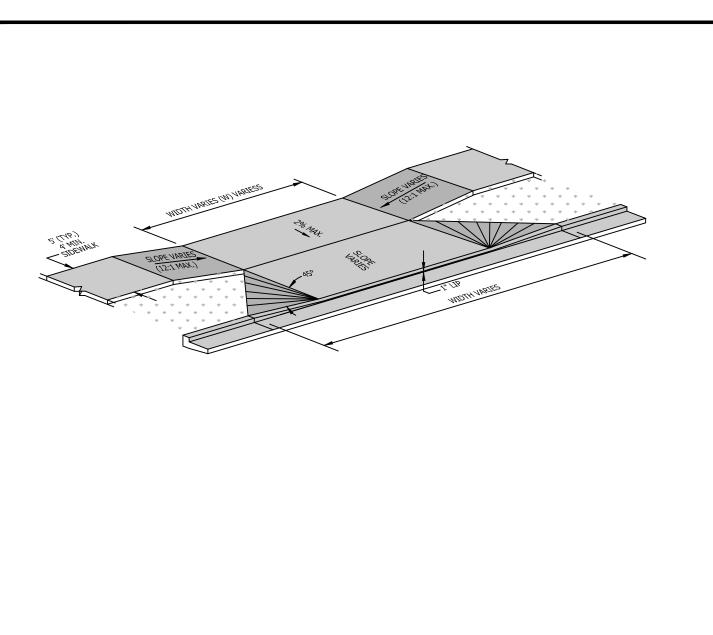
1. RECOMMENDED FOR INLETS OR MANHOLES IN A PARKING LOT WHERE A LEVEL IN-GROUND TRACER WIRE ACCESS BOX HAS POTENTIAL TO BE COVERED BY ASPHALT OVERLAY. THIS OPTION REQUIRES COUNTY APPROVAL AND MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS.







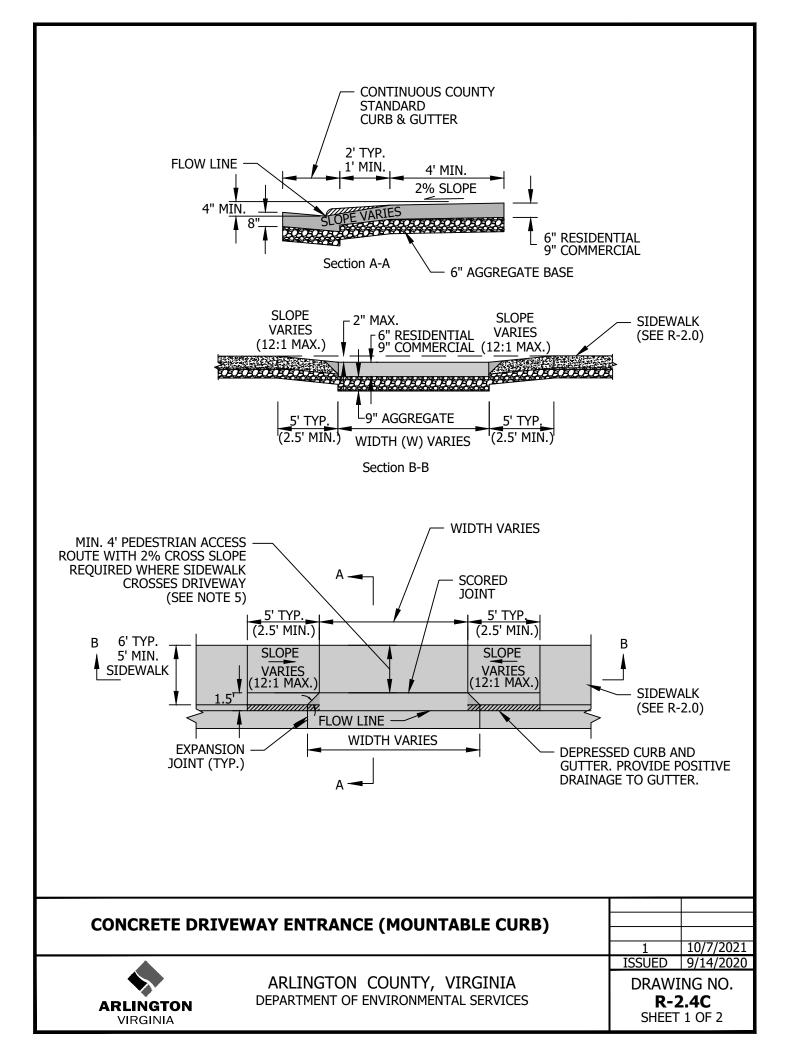




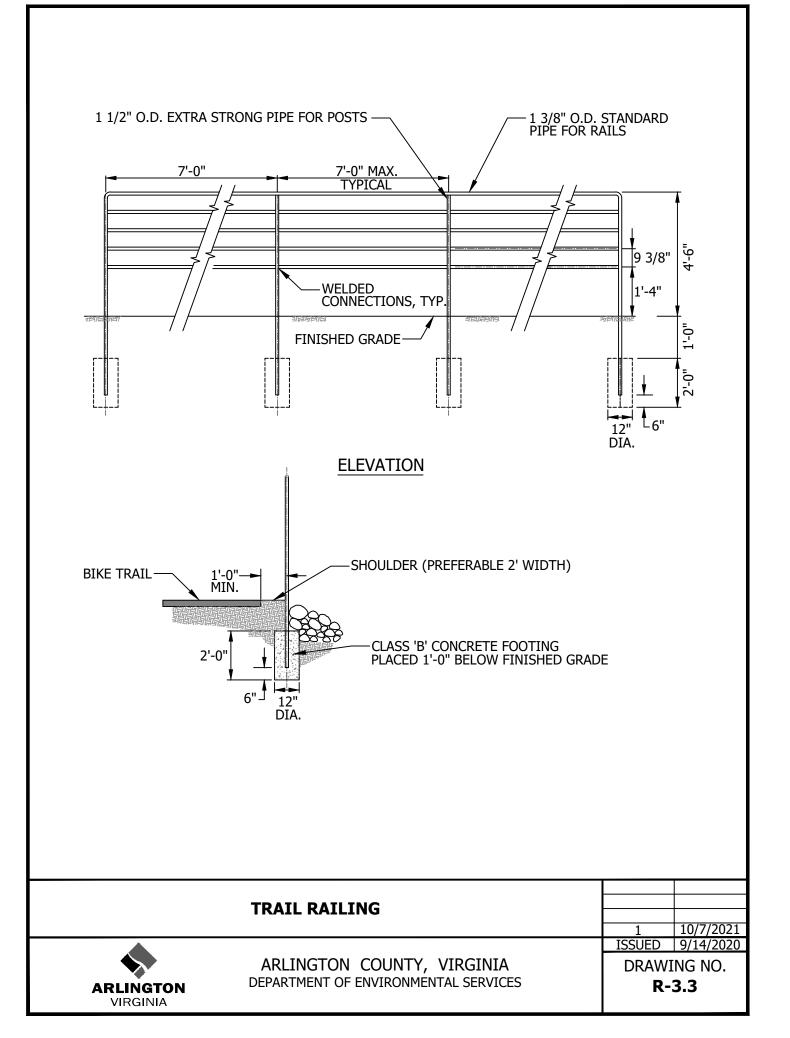
NOTES:

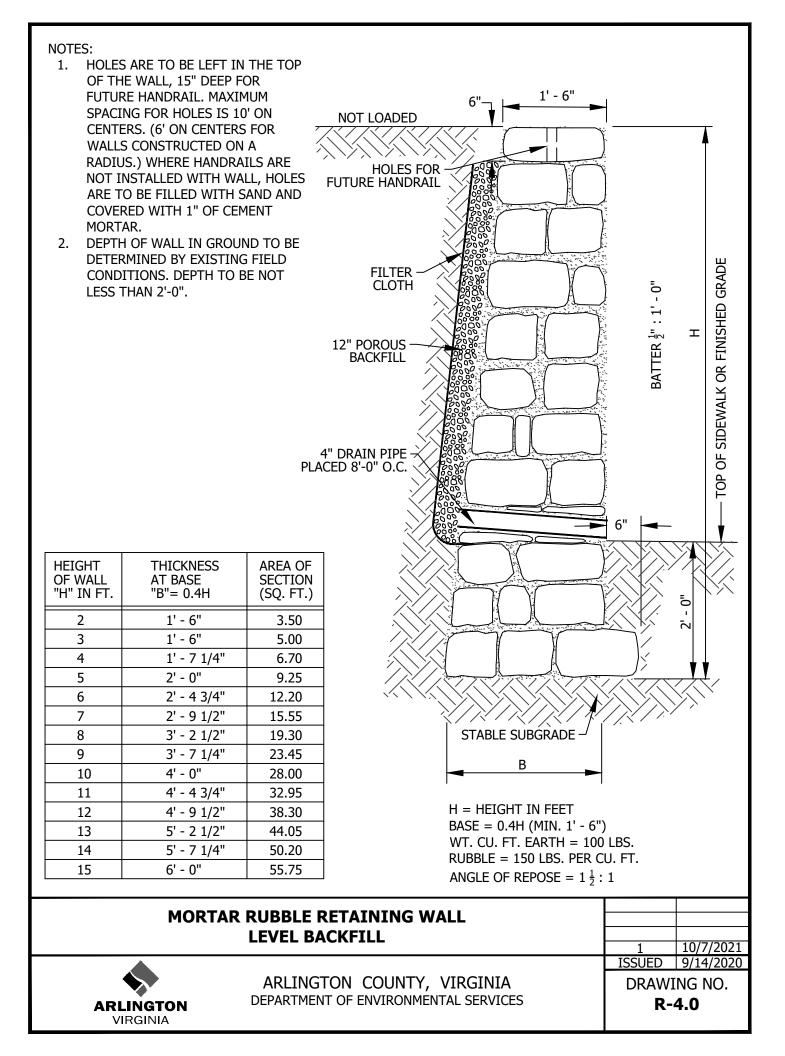
- 1. WHEN DRIVEWAY WIDTH EXCEEDS 16' A $\frac{3}{4}$ " MIN. DEPTH SCORED JOINT SHALL BE PLACED ON CENTERLINE OF DRIVEWAY ENTRANCE OR EVERY 10'.
- 2. CONCRETE DRIVEWAY ENTRANCE SHALL BE POURED MONOLITHICALLY.
- 3. FOR GRAVEL DRIVEWAY, 4' OF 4" THICK ASPHALT SHALL BE PLACED AT BACK OF THE CONCRETE APRON FOR THE WIDTH OF THE DRIVE.
- 4. PROVIDE 6" MINIMUM AGGREGATE BASE HAVING MINIMUM CBR-30 UNDER DRIVEWAY ENTRANCE.
- 5. OWNER SHALL DEDICATE ALL PERMANENT EASEMENTS NECESSARY TO PROVIDE ADA COMPLIANT DRIVEWAY ENTRANCE AND SIDEWALK IF EXISTING OR PROPOSED SIDEWALK INTERSECTS DRIVEWAY.
- 6. OWNER/DEVELOPER SHALL SUBMIT HYDRAULIC CALCULATIONS TO VERIFY THAT 10 YR. STORM RUNOFF WILL BE RETAINED WITHIN THE GUTTER AND WILL NOT OVERTOP DEPRESSED DRIVEWAY/PEDESTRIAN ACCESS ROUTE. OVERLAND RELIEF AWAY FROM STRUCTURES SHALL BE DEMONSTRATED FOR STORMS IN EXCESS OF 10 YRS.
- 7. DETAIL R-2.4B SHALL ONLY BE USED WHEN R-2.4A WOULD INHIBIT VEHICULAR USE OF THE DRIVEWAY.

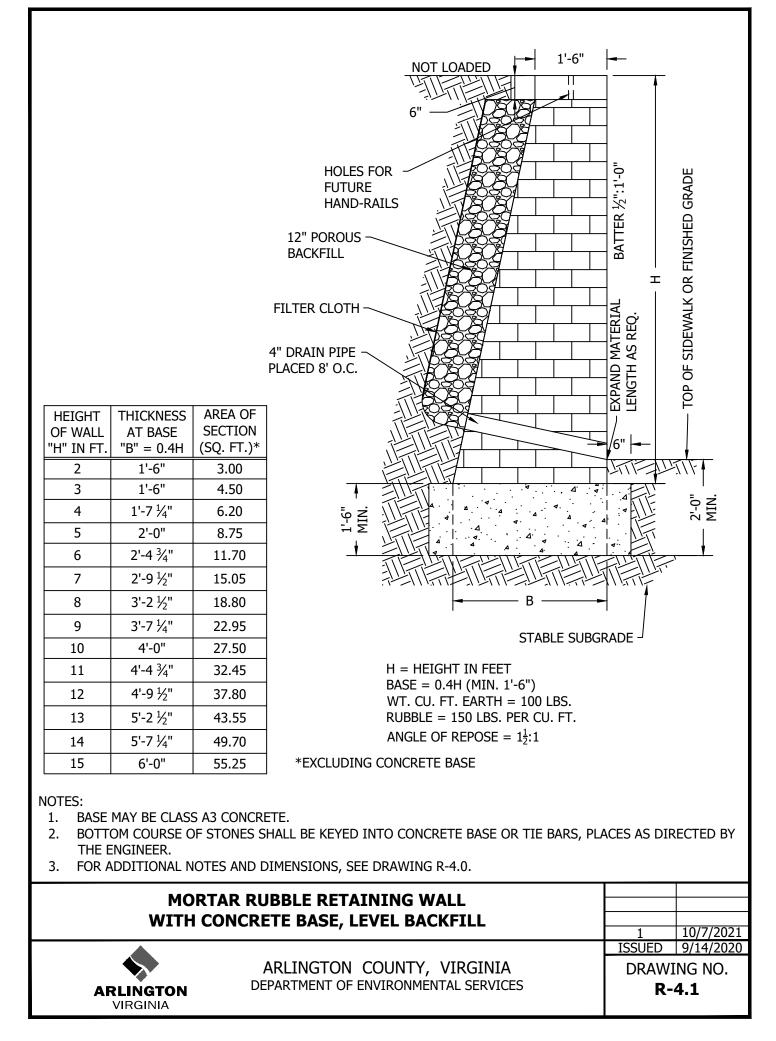
CONCRETE DRIVEWAY ENTRANCE (DEPRESSED)				
	ARLINGTON COUNTY, VIRGINIA	ISSUED	9/14/2020	
		DRAWING NO.		
		R-2.4B		
ARLINGTON VIRGINIA			SHEET 2 OF 2	
VINGINIA				

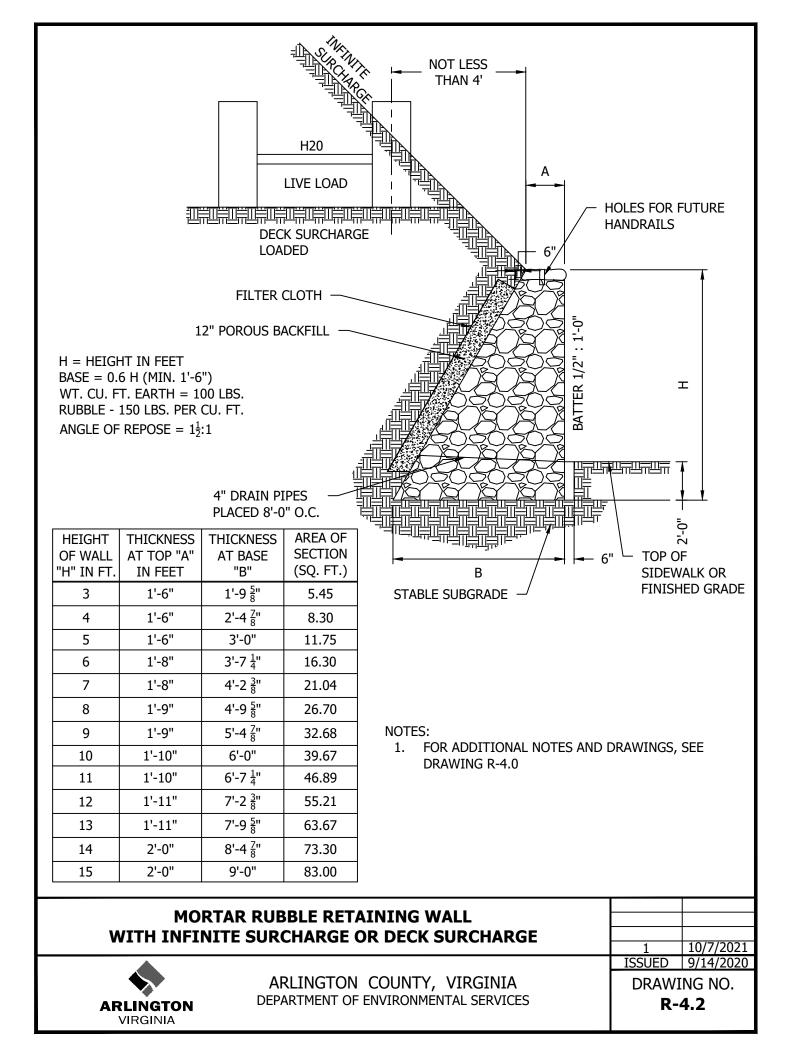


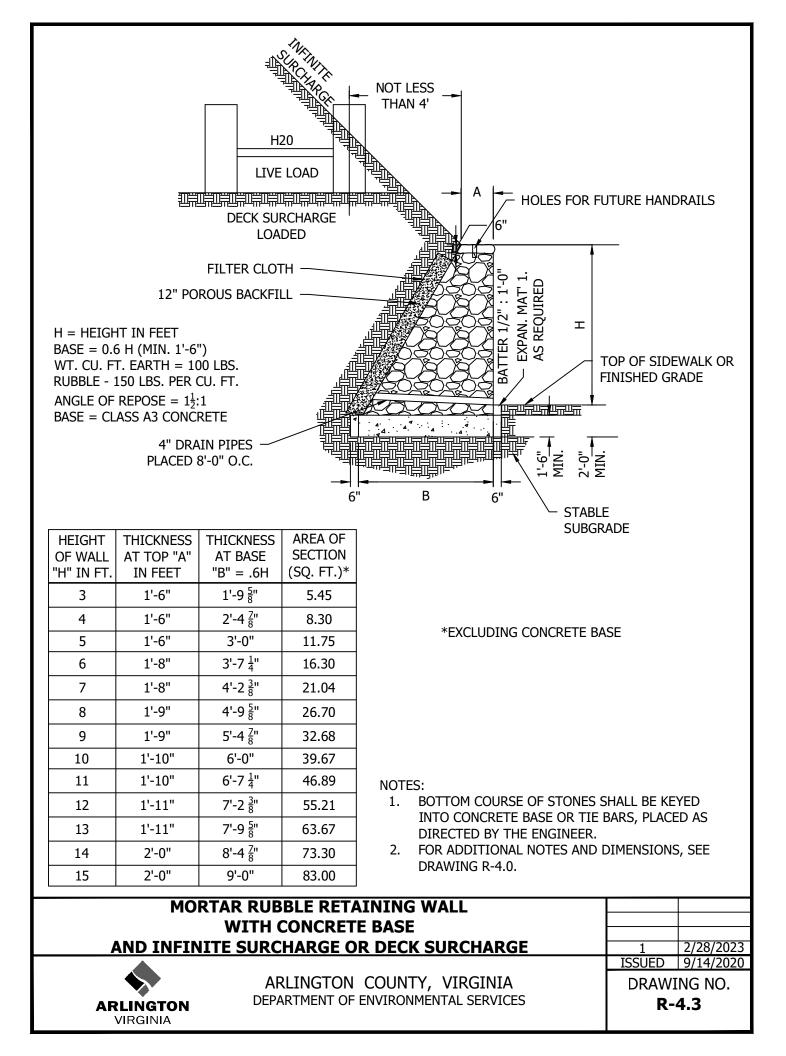
NOTES:			
1. WHEN DRIVEWAY WIDTH EXCEEDS 16' A 3/4" MIN. DEPTH SCORED JOINT SHALL BE CENTERLINE OF DRIVEWAY ENTRANCE OR EVERY 10'.	PLACED ON		
2. CONCRETE DRIVEWAY ENTRANCE SHALL BE POURED MONOLITHICALLY.			
 FOR GRAVEL DRIVEWAY, 4' OF 4" THICK ASPHALT SHALL BE PLACED AT BACK OF TH FOR THE WIDTH OF THE DRIVE. 		PRON	
 PROVIDE 6" MINIMUM AGGREGATE BASE HAVING MINIMUM CBR-30 UNDER DRIVEW. OWNER SHALL DEDICATE ALL PERMANENT EASEMENTS NECESSARY TO PROVIDE AD. 	-		
DRIVEWAY ENTRANCE AND SIDEWALK IF EXISTING OR PROPOSED SIDEWALK INTER 6. OWNER/DEVELOPER SHALL SUBMIT HYDRAULIC CALCULATIONS TO VERIFY THAT 10			
WILL BE RETAINED WITHIN THE GUTTER AND WILL NOT OVERTOP DEPRESSED DRIV ACCESS ROUTE. OVERLAND RELIEF AWAY FROM STRUCTURES SHALL BE DEMONSTRUCTURES	/EWAY/PEDEST	RIAN	
EXCESS OF 10 YRS.			
7. DETAIL R-2.4C SHALL ONLY BE USED WHEN R-2.4A OR R-2.4B WOULD INHIBIT VEHI DRIVEWAY.	JULAK USE OF		
CONCRETE DRIVEWAY ENTRANCE (MOUNTABLE CURB)			
		9/14/2020	
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES		DRAWING NO. R-2.4C SHEET 2 OF 2	

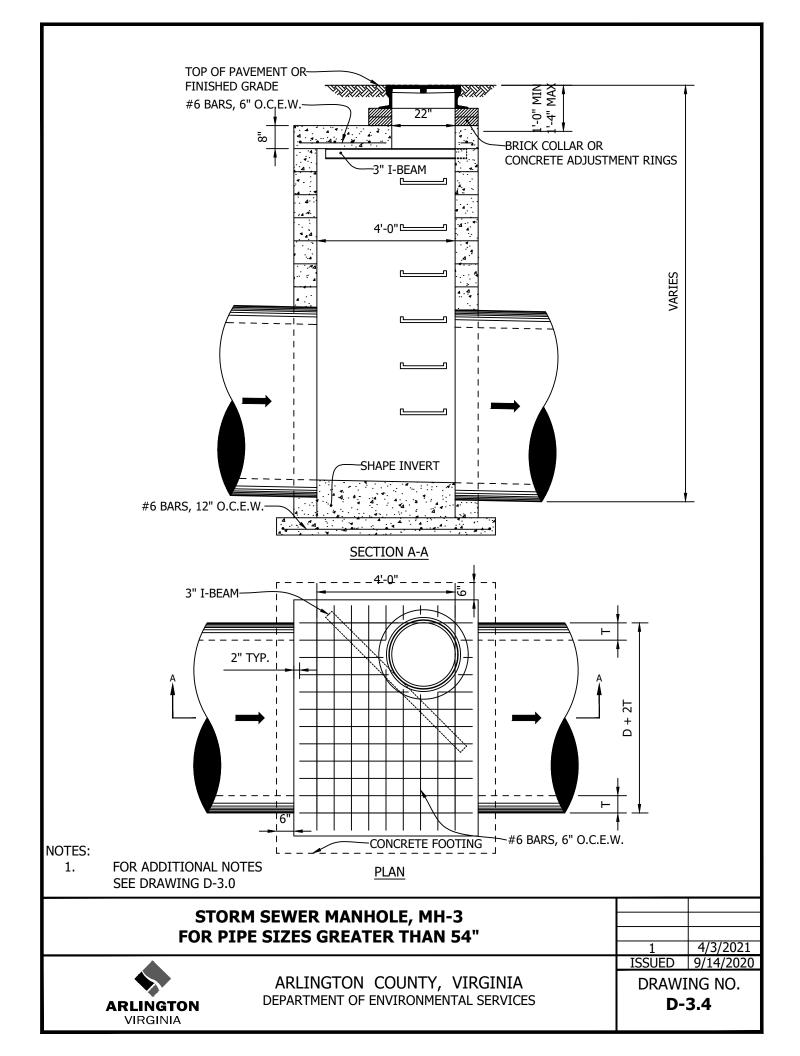


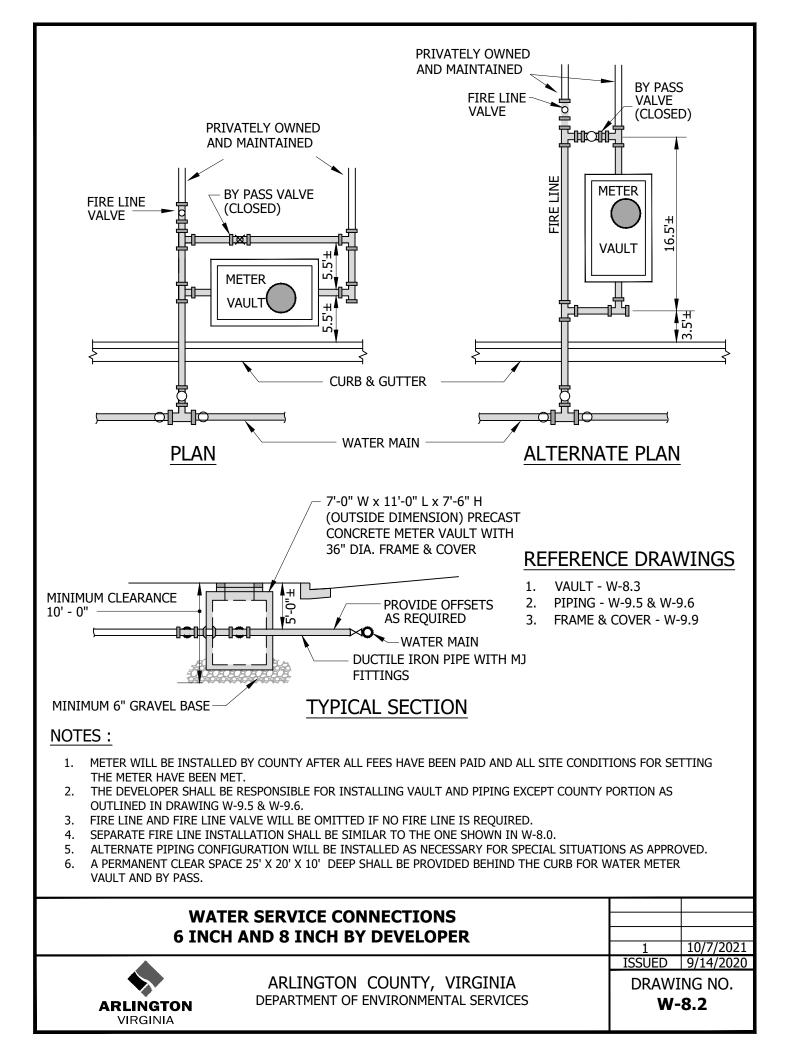


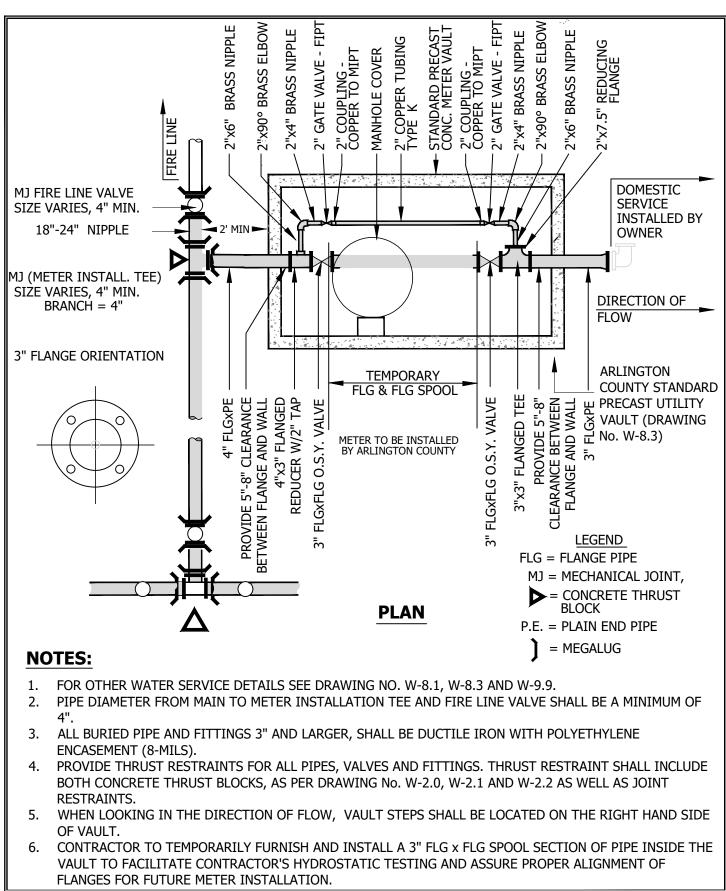




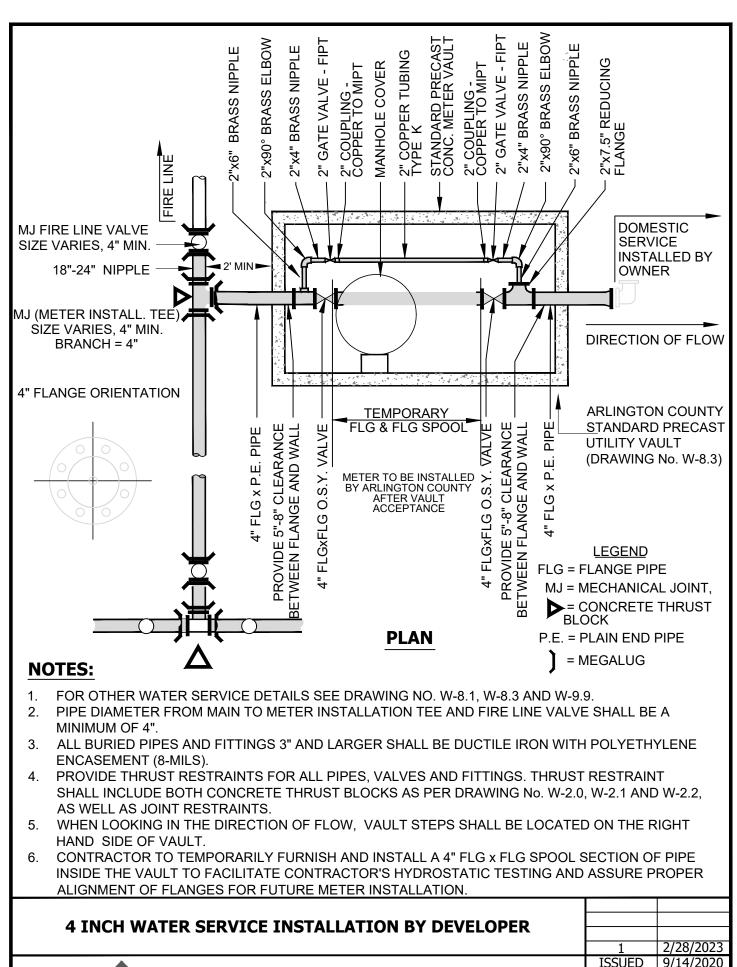








3 INCH WATER SERVICE INSTALLATION BY DEVELOPER		1	2/28/2023	
ARLINGTON VIRGINIA			ISSUED 9/14/2020 DRAWING NO. W-9.3	





ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES DRAWING NO. **W-9.4**

