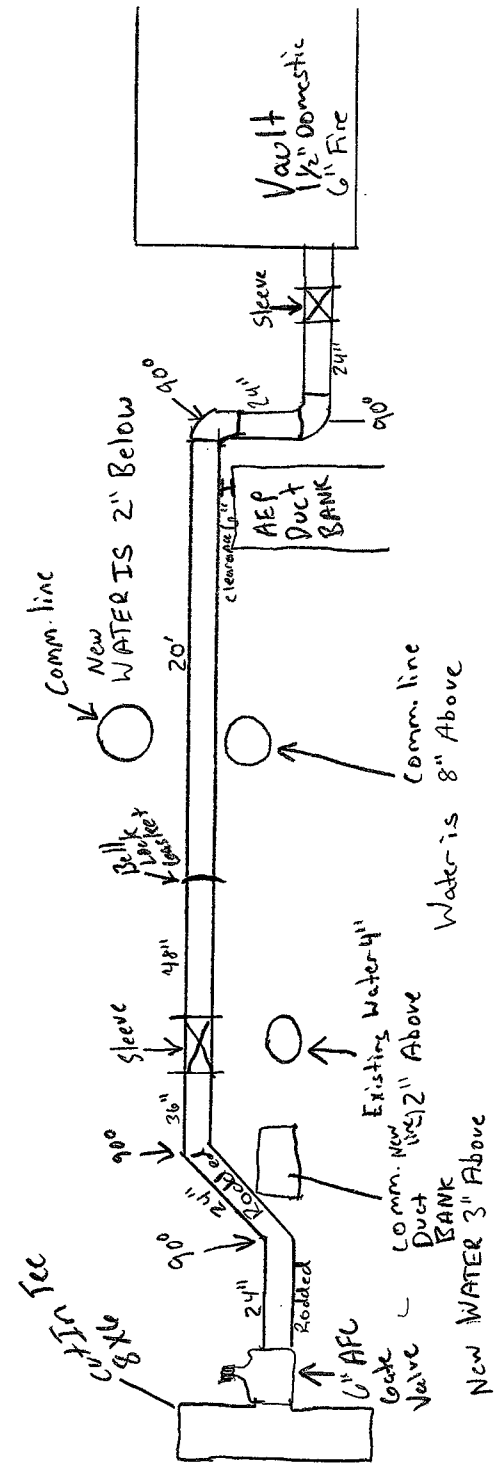


Materials - V.S.Pipe 6" DIP  
class softsoil  
Vault - CSI  
Frame thid. Cap. Foundry

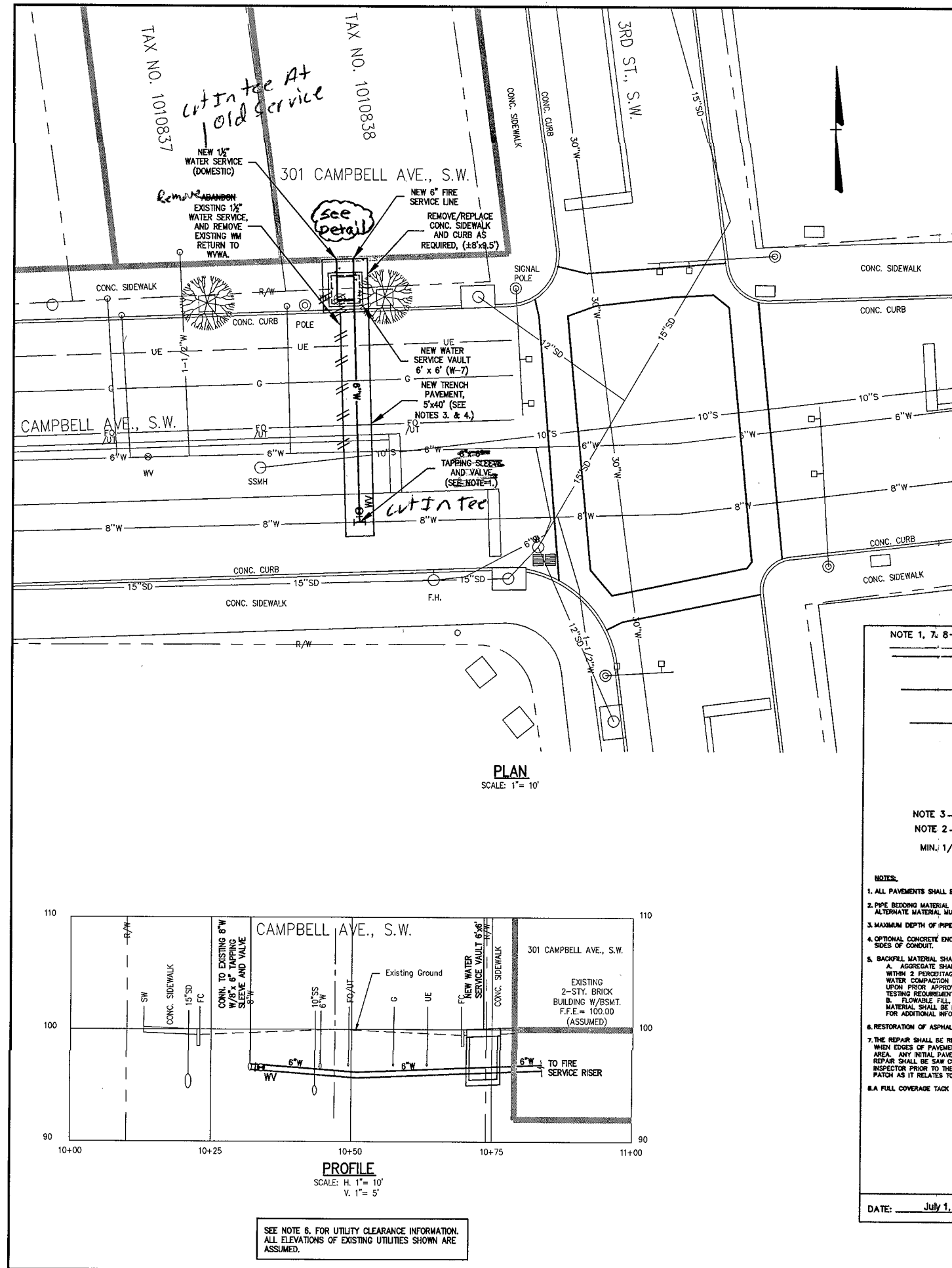
301 Campbell Ave SW  
Detail



pm: Steven Eakin  
Contractor: S.C. Rossi  
Inspector: Brian Wittenack

\*NOTE - NOT TO SCALE  
Side View

AS-BUILT 04/04/2018

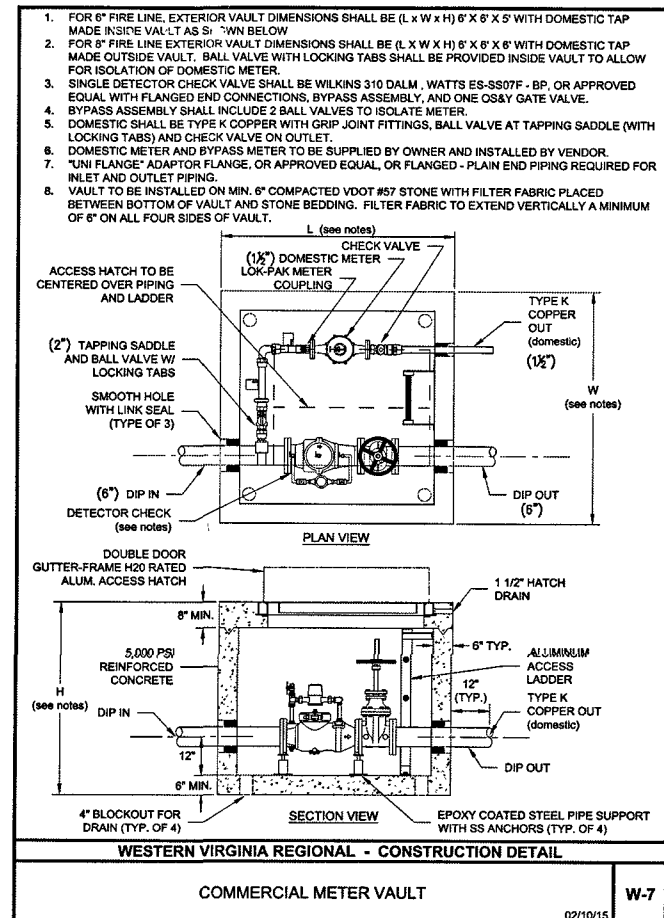
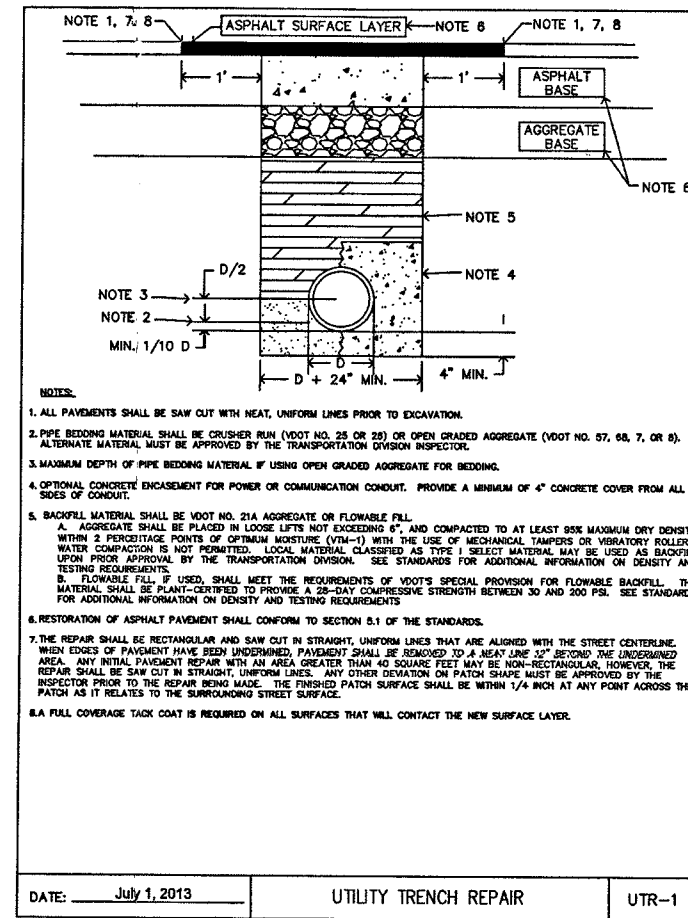


#### CITY OF ROANOKE - CONSTRUCTION PROCEDURE REQUIREMENTS:

1. Right-of-way excavation permit - prior to the commencement of any digging, alteration or construction within the public right-of-way (streets, alleys, public easements), a right-of-way excavation permit shall be applied for and obtained by the contractor from the city of Roanoke.
2. Land disturbance permit - an approved erosion and sediment control plan for any borrow/fill sites associated with the project must be submitted prior to the issuance of a land disturbance permit.
3. Plans and permits - a copy of the plans as approved by the city (signed by the proper city officials) and all permits issued by the city shall be available at the construction site at all times of ongoing construction.
4. Location of utilities - the contractor shall verify the location of all existing utilities prior to the commencement of any construction.
5. Construction entrance - the contractor shall install an adequate construction entrance for the construction related access from the site. Size and composition of construction entrance shall be as shown on the plans.
6. Streets to remain clean - it shall be the responsibility of the contractor to ensure that the public street adjacent to the construction entrance remains free of mud, dirt, dust, and/or any type of construction materials or litter at all times.
7. Barrioles/ditches - the contractor shall maintain the integrity of all approved ditches and shall furnish and ensure that all barrioles proper and necessary for the safety of the public are in place.
8. Sewer and pavement replacement - construction of sanitary sewers and the replacement of pavement shall be in accordance with approved standards and specifications of the city of Roanoke and the western Virginia water authority.
9. Approved plans/construction changes - any change or variation from construction design as shown on the officially approved plans shall be approved by the erosion and sediment control agent prior to add changes or variation in construction being made.
10. Final construction/city - the owner or developer shall furnish the city of Roanoke's planning building and development department with a field surveyed final correct set of as-built plans of the newly constructed storm rain and/or stormwater management facilities prior to final acceptance and issuance of a certificate of occupancy by the city. As-built plans shall be provided in the state plane Virginia south coordinate system, NAD 1983, FIPS 4502 feet, US survey feet, datum NAD 83, in the form of 1 paper copy and 1 digital AutoCAD file.

#### UTILITY NOTES:

1. NEW FIRE / DOMESTIC SERVICE LINE TO 301 CAMPBELL AVENUE. CONTRACTOR SHALL FURNISH AND INSTALL 8" x 6" TAPPING SLEEVE AND VALVE (WVA DETAIL W-2). TAP TO BE MADE BY WVA UPON CONFIRMATION OF PAYMENT OF FEES AND APPROPRIATE SCHEDULING. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER COMA REGULATIONS.
2. THE NEW WATER SERVICE FOR THIS PROJECT WILL REQUIRE A CONCRETE VAULT. CONTRACTOR SHALL PROVIDE CLEAR FLOW AT (540) 942-3300 TO ORDER THE VAULT. CONTRACTOR IS RESPONSIBLE FOR PAYMENT, DELIVERY, AND COORDINATION OF THE VAULT, AND INSTALLATION OF THE WATER SERVICE BETWEEN THE AUTHORITY MAIN AND THE VAULT INCLUDING THE TAPPING SLEEVE AND VALVE.
3. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH WVA DETAIL G-12 - BEDDING AND BACKFILL UNDER PAVEMENT AND IN RIGHT OF WAY.
4. PAVEMENT SHALL BE RESTORED IN ACCORDANCE WITH DETAIL TTR-1 FROM THE CITY OF ROANOKE RIGHT-OF-WAY EXCAVATION AND RESTORATION STANDARDS.
5. THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS SHOWN ON THESE DRAWINGS AS OBTAINED FROM FIELD MARKINGS AND GENERALLY REPRESENT THEIR EXISTENCE AND LOCATION AT THE TIME OF THE PREPARATION OF THE DRAWINGS. NOTHING IN THESE DRAWINGS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST, OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATIONS OF SUCH UTILITIES PRIOR TO INSTALLATION OF THE NEW FIRE SERVICE LINE. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR ANY MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES DURING PERFORMANCE OF THE WORK.
6. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" CLEARANCE VERTICALLY AND 2' MINIMUM HORIZONTALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER / SANITARY SEWER CROSSINGS OF ANY OTHER UTILITIES, WHERE THIS CLEARANCE CANNOT BE ACHIEVED ADDITIONAL MEASURES IN ACCORDANCE WITH WVA STANDARDS SHALL BE ENFORCED.



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1. All construction methods and materials shall conform to the latest edition of the Design and Construction Standards and Specifications of the Western Virginia Water Authority (authority) available at [www.westernva.org](http://www.westernva.org). All water and sewer work shall be subject to inspection by WVA. The project shall also comply with the governing jurisdiction's standards and other agency standards (e.g. VDOT, DEC, DCR, VMT, etc.) where applicable.

2. The contractor shall perform all manhole connections. The coring and boot installation shall be inspected and approved by an authority construction inspector prior to activating sewer service. The contractor shall contact the authority's construction inspector responsible for the project at least one (1) day prior to initiating the manhole connection.

3. Prior to construction in the right-of-way, all applicable permit(s) from the governing jurisdiction and/or agency must be obtained and a copy kept on the project site.

4. Traffic control shall be provided in accordance with the most recent MUTCD manual and the VDOT Work Area Protection Manual. All pavement repairs shall be in accordance with the plans and applicable VDOT land use permit or City of Roanoke Right-of-Way Excavation Permit.

5. The contractor shall notify the authority's engineering coordinator, Mark Skik, at 540-537-3460 at least three (3) working days prior to construction.

6. A pre-construction conference shall be scheduled at least one (1) day prior to any construction.

7. The contractor shall have a valid MISS UTILITY ticket prior to excavation. Contact miss utility at 1-800-552-7001.

8. All existing utilities may not be shown or may not be shown in their exact location. Contractor shall locate all utilities and determine all inverts (through "pot-holing" and test dig if necessary) prior to construction to allow for adjustments due to conflicts with other utilities. The contractor shall comply with the Virginia State Water Works Regulations, Section 12.05.03, and the Virginia State Sewage Collection and Treatment Regulations where lines cross.

9. An approved set of plans and permits must be available at the construction site at all times.

10. Construction debris shall be contained in accordance with the Virginia Litter Control Act.

11. Prior to commencing work, the contractor's certified Responsible Land Disturber shall obtain an Erosion and Sediment Control Permit (Land Disturbance Permit) for the project from the local governing jurisdiction and DCR (if required). All erosion and sediment control measures must be in accordance with the latest edition of the Virginia Erosion and Sediment Control Handbook and shall be installed prior to construction.

12. The contractor shall provide adequate means of clearing all vehicles and equipment prior to entering public streets. It is the contractor's responsibility to ensure that the streets are kept in a clean, mud- and dust-free condition at all times.

13. Field changes shall be approved by the authority's engineering division prior to such construction.

14. The contractor shall make provisions to provide access to all properties during construction and shall maintain safe accessibility to the hydrants at all times.

15. The contractor shall be responsible for locating and uncovering all manholes after paving. Manhole rims shall be installed to grade and flush with the final pavement.

Issue Date: NOV 21, 2017

Drawn By: ARB

Designed By: WVA

Checked By: WVA

Date: 1/21/17

Matthew & Craig

ENGINEERS/SURVEYORS

301 CAMPBELL AVE., S.W.

ROANOKE, VIRGINIA 24004

PA (540) 345-7880

FAX (540) 345-7880

Vertical Scale: 1" = 5'

Horizontal Scale: 1" = 10'

Commission Number: 3817

Sheet No.: 1