

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- VIRGINIA DEPARTMENT OF TRANSPORTATION:

- See Sheet \_\_\_\_ for Stormwater Site Statistics Table.  
See Sheet \_\_\_\_ for New BMP Information Table.

The Project Engineer shall provide electronic copies of the approved plans to the Development Review Coordinator within 5 working days of the pre-construction meeting.

The notes on this sheet shall not be modified.



## WATER NOTES

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with the (State Water Works Regulations, Section 12VAC5-590-1150, where lines cross.

All trenches in existing or future highway right-of-ways shall be compacted according to Virginia Department of Transportation standards.

Water main shall be minimum Class 350 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

Ductile Iron Pipe in accordance with the Western Virginia Regional Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i.

Western Virginia Water Authority  
Availability letter number: \_\_\_\_\_



The diagram illustrates the proposed street layout for 24th Street S.D. It shows the following elements from top to bottom:

- Property Line:** Indicated by a dashed line with a 'P' above it.
- Right-of-way:** Indicated by a dashed line with 'R/W' above it.
- Centerline:** Indicated by a dashed line with 'CL' above it.
- Minimum Building Line:** Indicated by solid lines on both sides with 'MBL' labels.
- Existing Storm Sewer:** Indicated by a dashed line with 'SD' labels on both sides.
- Existing Sanitary Sewer:** Indicated by a dashed line with a circle and 'SS' labels on both sides.
- Existing Water Main:** Indicated by a dashed line with a circle and 'W' labels on both sides.
- Existing Contour:** Indicated by a dashed line with '1045' labels on both sides.
- Proposed Contour:** Indicated by a dashed line with '1045' labels on both sides.
- Proposed Drainage Divide:** Indicated by arrows pointing left and right.
- Proposed Limits of Clearing:** Indicated by thick black bars on both sides.
- Proposed Storm Sewer:** Indicated by a dashed line with '24" S.D.' in the center.
- Proposed Sanitary Sewer:** Indicated by a dashed line with a circle and '8" M.H.' in the center.
- Proposed Water Main:** Indicated by a solid line with a circle and '8" M.H.' in the center.

At the bottom, the layout includes a **HYDRANT**, a **VALVE**, and a **BLOWOFF**.

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12VAC5-590-1150, where lines cross.)

All trenches in existing or future rights-of-way shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

Underground utilities installed on private property or in private utility easements and building related storm drains shall be designed and installed per the current edition of the Virginia Uniform Statewide Building Code. Design and installation requirements issued by the Western Virginia Water Authority that meet or exceed the USBC requirements are acceptable for private utilities. All private utilities are to be permitted through and inspected by the Roanoke County Inspections Office. Vaults, valves and other devices installed by or under the control of the Western Virginia Water Authority may not substituted for the code required devices.

## Sheet Index

Horizontal and vertical control surveys were performed in year: 2019  
By: AECOM

All vertical elevations must be referenced to the National Geodetic Vertical Datum of 1929 or 1988.  
All horizontal elevations must be referenced to the North American Datum of 1927 or 1983.

Source of topographic mapping is dated \_\_\_\_\_

Boundary was performed by ROANOKE CO. GIS dated: \_\_\_\_\_

Benchmark Information: \_\_\_\_\_

The professional seal and signature certifies the boundary survey and topographic mapping to be accurate and correct.

## SITE COST ESTIMATE

BY SEALING THE PLANS, THE DESIGN PROFESSIONAL HEREBY CERTIFIES THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.

## Revision Table



10 S. JEFFERSON ST, SUITE 1600  
ROANOKE, VA 24011  
540-857-3100



**CARILION TANGLEWOOD  
MULTI-SPECIALTY CLINIC**

**TANGLEWOOD MALL**  
**4444 Electric Road**  
**Roanoke, Virginia 24018**

**SHEET**  
**1**  
**OF**  
**16**