

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- VIRGINIA DEPARTMENT OF TRANSPORTATION:

- See Sheet C8 for Stormwater Site Statistics Table.  
See Sheet N/A for New BMP Information Table.

The notes on this sheet shall not be modified



\*NOTE: THIS COST ESTIMATE TABLE IS PROVIDED FOR BONDING PURPOSES ONLY. VERIFICATION OF ALL QUANTITIES AND PRICES FOR BIDDING PURPOSES SHALL BE THE RESPONSIBILITY OF THE BIDDER.\*

[illegible]

All water facilities shall be constructed according to the Western Virginia Regional Design and Construction Standards (Latest Edition).

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.

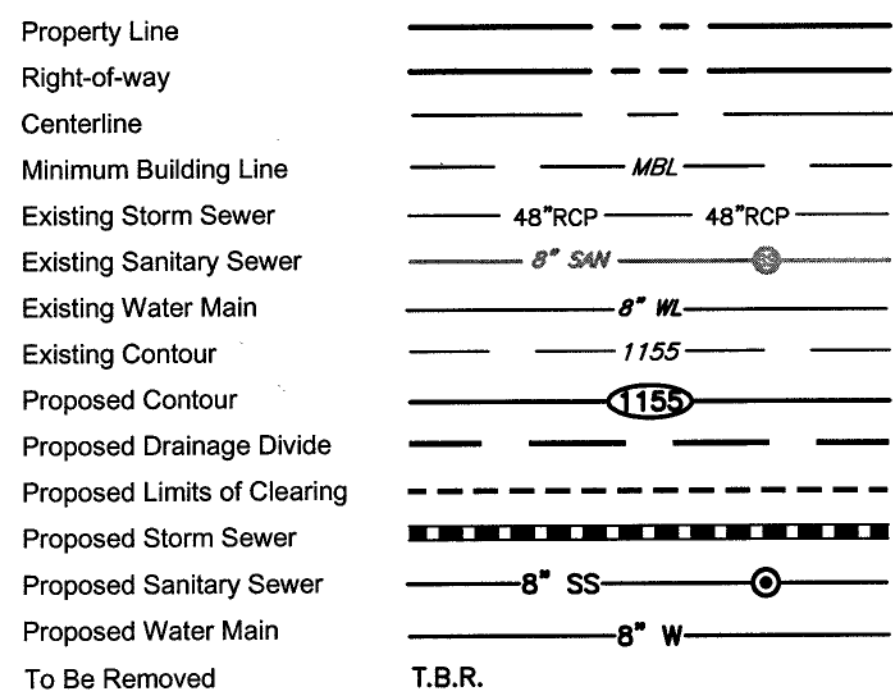
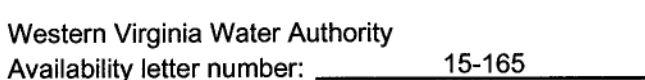
All existing utilities may not be shown in their exact location. The contractor shall comply with the (State Water Works Regulations, Section 12VAC5-590-1150, where lines cross.

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

Lines shall be staked prior to construction.

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.



All sanitary sewer facilities shall be installed according to the Western Virginia Regional Design and Construction Standards. (Latest Edition).

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

Contractor shall be responsible for locating and uncovering all manholes and utility structures before 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: 2015  
By: BALZER & ASSOCIATES, INC. (B & A INC.)  
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.  
Horizontal Datum: 1983 Vertical Datum: 1988  
Source of topographic mapping is dated MAY 2015  
Boundary was performed by B & A INC. dated: MAY 2015  
Benchmark Information: EX. CURB INLET (STRUCTURE F)  
TOP=1159.09

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

**BALZER**  
AND ASSOCIATES INC.  
**BVNEB**

REFLECTING TOMORROW  
**www.balzer.cc**  
PLANNERS • ARCHITECTS  
ENGINEERS • SURVEYORS

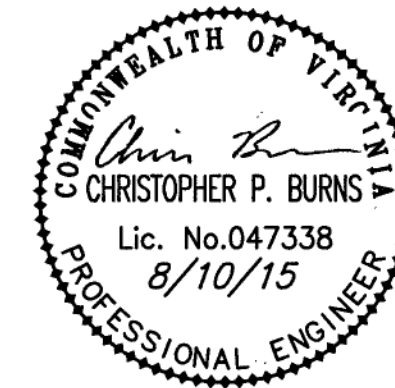
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Verona, Virginia 24482  
Phone: 540/248-3220  
FAX: 540/248-3221

DRAWN BY:	LAR
DESIGNED BY:	BTC
CHECKED BY:	CPB
DATE:	6/12/2015
REVISIONS:	7/13/2015 8/10/2015



# APPROVED



DEVELOPMENT PLAN APPROVED FOR CONSTRUCTION BY ROANOKE COUNTY		
Department		Date
Development Review	ACG	10/2/15
Engineering	RK	10/2/2015
Water & Sewer	DM	2/12/16
Planning & Zoning	MM	10/2/2015

**WAFFLE HOUSE**  
**UNIT # 77**  
3919 ELECTRIC ROAD  
County of Roanoke, Virginia

SHEET No.:

# C1

JOB No.: 04150010.00

CHARLES CRUSH  
AS-BUILTS 04-29-10