

**PROJECT DESCRIPTION:**

WATER DISTRIBUTION PUMP STATION  
SINGLE STORY, MASONRY CONSTRUCTION

**SITE INFORMATION:**

TAX PARCEL 2340106  
ZONING INSTITUTIONAL (IN)  
PARCEL AREA 1.251 AC  
FLOOD ZONE X - FIRM PANEL 51161C0161G (9/28/2007)  
SOIL TYPE 25C - GROSECLOSE-LITZ COMPLEX, SILT LOAM,  
SILTY CLAY

DISTURBED AREA 4,050 SF (0.093 AC)  
IMPERVIOUS AREA 1,433 SF (0.033 AC)  
DEVELOPED AREA 1,433 SF (0.033 AC)

**OWNER:**

WESTERN VIRGINIA WATER AUTHORITY  
601 JEFFERSON ST  
ROANOKE, VA 24011

**PROJECT CONTACT:**

SCOTT KROLL  
WESTERN VIRGINIA WATER AUTHORITY  
(540) 283-8232

**ENGINEER:**

ROBERT W. BENNINGER, PE  
C/O WESTERN VIRGINIA WATER AUTHORITY

**CODE COMPLIANCE:**

ALL CONSTRUCTION SHALL COMPLY WITH 2012 VIRGINIA UNIFORM  
STATEWIDE BUILDING CODE

ALL PIPING SHALL COMPLY WITH 2014 WESTERN VIRGINIA REGIONAL  
DESIGN AND CONSTRUCTION STANDARDS

**CONSTRUCTION BUILDING OCCUPANCY:**

USE CLASSIFICATION: UTILITY (U)  
CONSTRUCTION TYPE: Type IIIB

**FIRE FLOWS:**

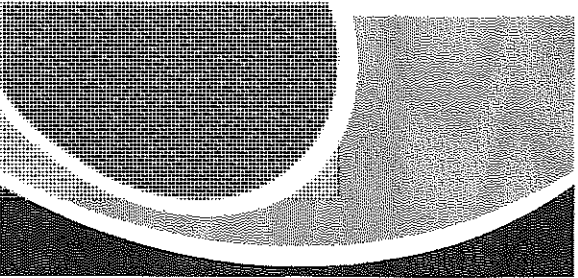
Hydrant ID	Flow	Static Pressure	Residual Pressure
22nd & Carroll (12338)	1,240 GPM	75 PSI	52 PSI
21st & Carroll (12339)	1,007 GPM	78 PSI	30 PSI
20th & Carroll (12340)	888 GPM	75 PSI	22 PSI

# CARROLL AVENUE WATER PUMP STATION

1101 21st Street, NW  
Roanoke, VA

*For Piping As-built, see sheet 7  
Dec. 28<sup>th</sup>, 2017 Donku Jones*

Western Virginia Water Authority  
601 Jefferson Street  
Roanoke, VA 24011



WESTERN VIRGINIA  
WATER AUTHORITY  
MARCH 2017

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REVISIONS

<u>Plan Sheet:</u>	<u>Date</u>

CITY OF ROANOKE APPROVALS

<u>Approved By:</u>	<u>Date</u>

