WESTERN VIRGINIA WATER AUTHORITY

* * *

WESTERN VIRGINIA
WATER AUTHORITY

* * *

9TH STREET WATERLINE
WCIP-402
CITY OF ROANOKE, VIRGINIA

LEGEND

EXISTING FEATURES

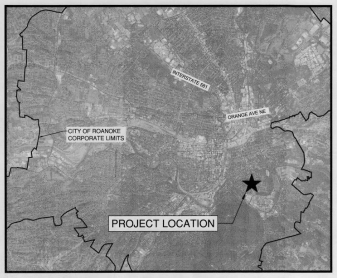
PROPERTY LINE	MONUMENT FOUND
CONTOUR	SIGN (1-POST)
GAS LINE	SIGN (2-POST)
OVERHEAD POWER	SPOT ELEVATION
SANITARY SEWER AND MANHOLE	DECIDUOUS TREE
STORM LINE AND MANHOLE	EVERGREEN TREE
STORM LINE AND INLET	SHRUB
UNDERGROUND CABLE TV	CONCRETE
UNDERGROUND ELECTRIC	WETLANDS
UNDERGROUND TELEPHONE	ELECTRIC BOX
UNDERGROUND FIBER OPTIC	GUY POLE
UNKNOWN UTILITY	ELECTRIC MARKER
WATERLINE	ELECTRICAL MANHOLE
ASPHALT	UTILITY POLE
BUILDING	ELECTRIC TRANSFORMER
FENCE (AS NOTED)	GROUND LIGHT
EDGE OF WATER	LIGHT POLE
TREELINE	FIBER OPTIC PEDESTAL
GUY WIRE	FIBER OPTIC HANDHOLE
EASEMENT	GAS VENT
TELEPHONE PEDESTAL	GAS VALVE
TELEPHONE MANHOLE	GAS METER
TELEPHONE BOX	SEWER CLEAN OUT
FIRE HYDRANT	WOOD POST
WATER VALVE	METAL POST
WATER METER	GRAVEL
WELL	FIBER OPTIC MARKER
BENCHMARK	BORING
BOLLARD	
ROD FOUND	

PROPOSED FEATURES

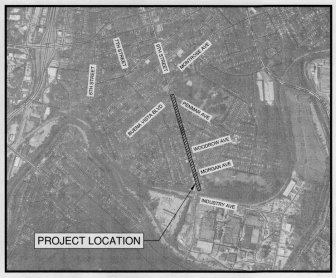
WATER MAIN
GATE VALVE
FIRE HYDRANT
AIR RELEASE VALVE
WATER METER
REDUCER
ABANDON
PAVEMENT RESTORATION HATCH
PAVEMENT PATCH (DETAIL UTR-1)

NOTE: CONTRACTOR TO CONTACT MISS UTILITY (811) IN ADVANCE OF PLANNED WORK. ADVANCE TIME PERIOD SHALL BE IN ACCORDANCE WITH CURRENT MISS UTILITY GUIDELINES (www.missutilityofvirginia.com).

These documents, including drawings and specifications, were prepared by Draper Aden Associates (a TRC Company), Consulting Engineers, pursuant to a contract by and between Draper Aden Associates and Western Virginia Water Authority, with respect to the project described in said contract. Any reuse or modification of said documents (whether hard copy or electronic) without written verification or adaptation by Draper Aden Associates for the specific purpose intended will be at the sole risk of the individual or entity utilizing said documents, drawings and specifications and such use is without the authorization of Draper Aden Associates. Draper Aden Associates, Consulting Engineers, shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized use of these documents, drawings, specifications, reports, and studies prepared as a result of the aforesaid contract.



VICINITY MAP
SCALE: 1" = 5000'



LOCATION MAP
SCALE: 1" = 1000'

SITE INFORMATION

SITE ADDRESS:	9TH STREET CITY OF ROANOKE, VA
OWNER:	WVWA
CONTACT:	CONSTRUCTION MANAGER DAVID BARNHART
ADDRESS:	601 SOUTH JEFFERSON ST - SUITE 300 ROANOKE, VA 24011
EMAIL:	DAVID.BARNHART@WESTERNVAWATER.ORG
TELEPHONE NO:	(540) 283-2970
ENGINEER:	DRAPER ADEN ASSOCIATES (A TRC COMPANY)
CONTACT:	BRIAN HOUSTON
ADDRESS:	2200 SOUTH MAIN STREET - SUITE A BLACKSBURG, VA 24060
EMAIL:	EHOUSTON@TRCCOMPANIES.COM
TELEPHONE NO:	540-552-0444
FEMA FLOOD PLAIN:	AREA OF MINIMAL FLOOD HAZARD (ZONE X)
SURVEY INFO:	SEE SHEET G-2
LIMITS OF DISTURBANCE:	500 SF

PROJECT DESCRIPTION

THIS PROJECT PROVIDES APPROXIMATELY 2364 LF OF 12" WATER MAIN REPLACEMENT ALONG 9TH STREET. THE WATER MAIN REPLACEMENT INCLUDES REPLACEMENT OF ALL FIRE HYDRANTS AND RESIDENTIAL METER CONNECTIONS, RECONNECTION TO MAINS ON ALL SIDE STREETS, AND ASSOCIATED WATER APPURTENANCES.

DRAWING LIST

NO.	DWG NO.	TITLE
1	G-1	COVER
2	G-2	GENERAL NOTES
3	G-3	ESC NOTES AND LEGEND
4	G-4	METER SERVICE TABLE AND HYDRANT MAP
5	C-1	KEY SHEET
6	C-2	WATERLINE PLAN AND PROFILE (1 OF 3)
7	C-3	WATERLINE PLAN AND PROFILE (2 OF 3)
8	C-4	WATERLINE PLAN AND PROFILE (3 OF 3)
9	D-1	ESC DETAILS
10	D-2	UTILITY DETAILS
11	T-1	TRAFFIC CONTROL LEGEND AND DETAILS
12	T-2	TRAFFIC CONTROL PLAN - PHASE A
13	T-3	TRAFFIC CONTROL PLAN - PHASE B

DECEMBER 09, 2022

* * * *

DAA PROJECT # 507472

VESCP Approval
These plans have been reviewed and approved under WVWA AS&S.
Approved By: Joseph M. Arthur, DCA 9TH Exp. 10/02/2023
Signature: Date:

ENGINEERS REVIEW

THESE PLANS HAVE BEEN SUBJECTED TO TECHNICAL AND QUALITY REVIEWS BY:

NAME: PRINTED	SIGNATURE	DATE
NINA R. KEMPIC, E.I.T. PROJECT ENGINEER		12/09/2022
E. BRIAN HOUSTON, P.E. PROJECT MANAGER		12/09/2022
MICHAEL S. HAGGERTY, P.E. QUALITY REVIEWER		12/09/2022

COMMONWEALTH OF VIRGINIA
EDWARD BRIAN HOUSTON
Lic. No. 040206988
12/09/2022
PROFESSIONAL ENGINEER

Draper Aden Associates
Engineering • Surveying • Environmental Services
2200 South Main Street, Suite A
Blacksburg, VA 24060
540-552-0444 Fax: 540-552-0291
www.daa.com
• Raleigh, NC
• Charlotte, NC
• Richmond, VA
• Charlottesville, VA
• Northern Virginia
• Virginia Beach, VA
• Williamsburg, VA

As-builts
12-20-23

Inspector:
Bruce Peters
Contractor:
A.R. Coffey & Sons

Red lines
not to
scale

COVER
9TH STREET WATERLINE
ROANOKE, VIRGINIA

REVISIONS

DESIGNED BY:	EBH
DRAWN BY:	NRK
CHECKED BY:	MSH
SCALE:	NO SCALE
DATE:	12/09/2022
PROJECT NUMBER:	507472

G-1
1 OF 13