

Existing Storm Drainage Table							
#	STRUCTURE	RIM	GRATE	INV.OUT	INV.IN	INV.IN(2)	THROAT
D-1	24" RCP				1101.28' (24" RCP)		
D-2	Curb Inlet	1105.80'		1101.28' (24" RCP)	1101.26' (24" RCP)		5'
D-3	DMH	1106.16'		1103.07' (24" RCP)	1103.07' (24" RCP)		
D-3a	DMH	1110.91'		1105.31' (18" CMP)	1105.41' (15" RCP)		
D-3b	Curb Inlet	1110.38'		1105.66' (15" RCP)	1107.08' (15" CMP)		8'
D-3c	Curb Inlet	1109.77'		1107.45' (15" CMP)			8'
D-4	DMH	1106.68'		1103.08' (24" RCP)	1103.16' (18" RCP (20")) NW	1103.15' (18" RCP) E	
D-4a	Curb Inlet	1106.62'		1103.47' (18" RCP)			6'
D-4b	Curb Inlet	1106.77'		1103.26' (18" RCP (20"))			6'
D-5	DMH	1096.12'		1086.95' (24" CPP)	1086.97' (18" CPP) SE	1086.95' (24" CPP)	
D-5a	Drop Inlet		1096.32'	1089.55' (24" CPP)	1089.54' (24" CPP)		
D-5b	Drop Inlet		1097.00'	1090.47' (24" CPP)			
D-5c	Drop Inlet		1093.03'	1088.57' (18" CPP)	1088.71' (18" CPP)		
D-5d	Drop Inlet		1093.43'	1089.42' (18" CPP)			
D-6	DMH	1094.49'		1086.10' (24" CPP)	1086.18' (24" CPP)		
D-7	DMH	1093.93'		1084.72' (24" CPP)	1084.83' (24" CPP)		
"(Size)" in Plan View or "(Size per LAPC (Size))" - indicates Pipe Size per Roanoke City's GIS							

Existing Sanitary Sewer Table						
#	STRUCTURE	WVWA#	RIM	INV.OUT	INV.IN(1)	INV.IN(2)
S-2	SSMH	12B-3211.0	1109.49'	* 1101.49' (8" VCP)	* 1101.49' (8" VCP) W	* 1101.49' (6" VCP) SW
S-2a	SSMH	12B-3214.0	1111.88'	1107.06' (6" VCP)	1107.16' (6" CNC) SE	1107.14' (6" CNC)
S-2b	SSMH	12B-3215.0	1109.23'	1107.88' (6" CNC)	1107.93' (6" CNC)	
S-3	SSMH	16-3306.0	1111.34'	1105.71' (8" VCP)		
S-4	SSMH	16-3305.0	1115.33'	1103.86' (8" VCP)	1103.94' (8" VCP)	1106.95' (4" PVC) NW
S-5	SSMH	16-3304.0	1108.74'	1101.92' (8" VCP)	1102.09' (8" VCP)	Not Accessible (6" SS)
S-6	SSMH	16-3303.0	1102.70'	1094.86' (8" VCP)	1094.93' (8" VCP)	
S-7	SSMH	16-3299.0	1100.75'	1092.92' (8" VCP)	1093.09' (8" VCP) NW	1092.96' (8" VCP) NE
S-8	SSMH	16-3298.0	1097.53'	1090.74' (8" VCP)	1090.85' (8" VCP) NW	1090.95' (6" VCP) NE
S-9	SSMH	16-3491.0	1094.51'	1089.17' (8" VCP)	1089.21' (8" VCP) NW	1089.49' (8" PVC) NE
S-10	SSMH	16-3297.0	1094.85'	1088.80' (8" VCP)	1088.90' (8" VCP)	
Pipe Size & Materials taken from Western Virginia Water Authority's GIS						
**"-Denotes Invert Data taken from Western Virginia Water Authority's GIS						

Existing Water Depth Table			
#	RIM	TOP OF NUT	STRUCTURE
W-3	1109.38'	1107.74'	Gate Valve
W-4	1106.29'	1102.67'	Water Meter
W-5	1106.50'	1103.20'	Water Meter
W-6	1111.99'	Can Not Open	Gate Valve
W-7	1110.82'	1108.55'	Gate Valve
W-8	1112.41'	1110.30'	Gate Valve
W-9	1112.35'	1110.84'	Gate Valve
W-10	1113.32'	1111.32'	Gate Valve
W-11	1100.67'	Full of Mud	Gate Valve
W-12	1100.74'	1098.25'	Gate Valve
W-13	1100.06'	1097.76'	Gate Valve
W-14	1099.17'	1096.57'	Gate Valve
W-15	1098.18'	1095.74'	Gate Valve
W-16	1094.75'	1092.51'	Gate Valve

Survey Notes:

- 1) THIS MAP IS BASED ON A CURRENT FIELD SURVEY.
- 2) THIS MAP WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THERE MAY EXIST ENCUMBRANCES WHICH EFFECT THE SUBJECT PROPERTY THAT ARE NOT SHOWN HEREON.
- 3) THE PROPERTY AS SHOWN HEREON, DOES NOT LIE WITHIN THE LIMITS OF A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY FEMA. THIS OPINION IS BASED ON AN INSPECTION OF THE FLOOD INSURANCE RATE MAPS AND HAS BEEN VERIFIED BY ACTUAL FIELD ELEVATIONS, SEE COMMUNITY PANEL #510130 0161 G, MAP #51161C0161G, DATED: SEPTEMBER 28, 2007. ZONE "X" (unSHADED).
- 4) HORIZONTAL (NAD83) AND VERTICAL (NAVD 88) CONTROL WAS ESTABLISHED BY PERFORMING A GPS SURVEY OF EXISTING CITY OF ROANOKE CONTROL MONUMENTS.
- 5) COORDINATES AS SHOWN HEREON ARE SURFACE COORDINATES. TO MOVE THE SURFACE VALUES TO THEIR VIRGINIA STATE PLANE GRID VALUES; SCALE THE SURFACE COORDINATES BY 0.999898521 AT POINT #324 (N:3636941.54650, E:11052437.70154, ELEV.:1100.00)
- 6) CONTOURS AS SHOWN HEREON ARE AT A 2-FOOT INTERVAL.
- 7) THIS MAP DOES NOT GUARANTEE THE EXISTENCE OR LOCATION OF ANY UNDERGROUND UTILITIES. ALL SURFACE UTILITIES WERE FIELD LOCATED. ALL UNDERGROUND UTILITIES SHOWN WERE ESTABLISHED USING ABOVE GROUND STRUCTURES, AVAILABLE PUBLIC RECORDS AND MARKING ESTABLISHED BY MISS UTILITY OF VIRGINIA TICKETS #A727801730, #A727801753, #A727801771, #A727801784, #A727801789 AND #A727801800. ALL UNDERGROUND UTILITY LINES ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO THE START OF ANY CONSTRUCTION.

This Partial Topographic Survey was completed under the direct and responsible charge of, Larry Thomas Ogle, Jr., LS #2459 from an actual Ground survey made under my supervision; that the original data was obtained October 20th through November ____, 2017; and that this plat, including metadata meets minimum accuracy standards unless otherwise noted.

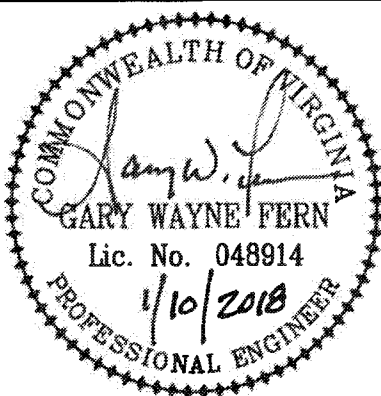
Utilities Marked per Miss Utility Tickets: #A727801730, #A727801753, #A727801771, #A727801784, #A727801789 AND #A727801800				
Company	Contact	Phone Number	Damage Contact Phone Number	Conflict
AEP (AEP111)	USIC Locating Service	(800)778-9140	(800)956-4237	No
Lighttower Fiber (LTF978)	Rick Stransky	(801)669-4175	(855)607-8170	No
Roanoke Gas (RGC162)	S & N	(804)608-5640	(540)777-4427	Yes
Verizon (VZN804)	Utiliquest	(703)754-2116	(888)483-1233	Yes
Western Virginia Water & Sewer (WVW853)	Tiffany Cumbee	(540)283-8221	(540)283-2981	Yes
Roanoke Broadband (RVB904)	Tiffany Cumbee	(540)283-8221	(540)853-5700	Yes

PATTERN LEGEND (EXISTING)

	ASPHALT (ROAD/PARKING)
	GRAVEL (ROAD/PARKING)
	CONCRETE
	VEGETATION

SYMBOL LEGEND (EXISTING)

	FO	UNDERGROUND FIBER OPTICS
	T	UNDERGROUND TELEPHONE LINE
	W	WATER LINE
		SANITARY SEWER LINE
		STORM DRAIN LINE
		R/W AND PROPERTY BOUNDARY
	G	GAS LINE
	E	UNDERGROUND ELECTRIC LINE
		GUARDRAIL
		RAILROAD - ACTIVE
	-1030	EXISTING MAJOR CONTOURS
	-1032	EXISTING MINOR CONTOURS
		UNKNOWN UTILITY
		PROPERTY CORNER
		PROPERTY MONUMENT
		PROPERTY LINE
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
		STORM DRAINAGE MANHOLE
		UTILITY POLE
		GUY WIRE
		STREET LIGHT
		TREE
		TREE CONIFER
		SHRUB
		BOLLARD
		TRAFFIC ARROWS
		MAILBOX
		SIGN
		TELEPHONE PEDESTAL
		BLOW-OFF VALVE
		GATE VALVE
		WATER METER
		WATER MANHOLE
		WATER VAULT
		FIRE HYDRANT
		GAS VALVE
		PAPER BOX
		ELECTRIC BOX
		UTILITY POLE
		TRAFFIC SIGNAL POLE
		TELEPHONE MANHOLE
		TELEPHONE VAULT
		TRAFFIC SIGNAL CABINET
		TRAFFIC VAULT
AEP		AMERICAN ELECTRIC POWER
APCO		APPALACHIAN POWER COMPANY
B.W.L.		BROKEN WHITE LINE
CMP		CORRUGATED METAL PIPE
CNC		CONCRETE PIPE
CPP		CORRUGATED PLASTIC PIPE
DIP		DUCTILE IRON PIPE
DMH		DRAINAGE MANHOLE
D.Y.L.		DOUBLE YELLOW LINE
FO		UNDERGROUND FIBER OPTIC
GAS		UNDERGROUND GAS
GW		GUY WIRE
NPK		NO PARKING
OE		OVERHEAD ELECTRIC
OT		OVERHEAD TELEPHONE
PVC		POLYVINYL CHLORIDE PIPE
RCP		REINFORCED CONCRETE PIPE
SS		SANITARY SEWER LINE
SSMH		SANITARY SEWER MANHOLE
S.W.L.		SOLID WHITE LINE
TCP		TERRA COTTA PIPE
UE		UNDERGROUND ELECTRIC
UG		UNDERGROUND GAS
UT		UNDERGROUND TELEPHONE
UV		UNDERGROUND VERIZON
VCP		VITRIFIED CLAY PIPE
VZN		VERIZON
W		WATERLINE
X		APPROXIMATE LOCATION



WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES: PJM	SCALE: N/A
DRAWN: JES	HORIZ: N/A
CHECK: GWF	VERT: N/A
DATE: 01/12/18	

COVE ROAD WATER MAIN REPLACEMENT

SURVEY SCHEDULES, NOTES, &
EXISTING LEGEND

DRAWING

-

SHEET

3