WVW

IN THE EVENT OF DAMAGE TO A FAULTIT CALLL (340/2637-289)
WESTERN VA-WITAGSHR (WW883)
NO CONFLICT, UTILITY IS OUTSIDE OF STATED WORK AREA.
FIELD CONTACT, MICHELE MADY (540/283-298)
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540):283-2981

PROJECT: 4220B
CLENT: WESTERN WRONA WATER AUTHORITY
HORIZONTAL DATIME: NADB3/2011 (EPOCH-2020.0212)
VERTICAL DATIME: NADB8
VERTY BY: T. W. CALDWELL
DRAWN BY: J. A. DETHLETSEN
OFFICE ST. W. CALDWELL
DATE: 11-22-2021
SCALE: 1" = 20" TICKET: A128701542 REV: 00A TAKEN: 10/14/21 11:45 AM STATE: VA CNTY: BOTETOURT PLACE: CLOVERDALE AUURESS: SANDERSON DR RESPONSES DUE BY: 11/08/21 07:00 AM EXPIRES: RESPONSE AEP 10 APPALACHIAN POWER (AEP111) 11 /04 /21 05:43 PM SURVEY BASELINE PT #1 N: 3655206.1484 E:11071324.3556 Z:1183.0074 MAINCEL FIELD CONTACT: BRIAN DOWDY UDP (540)204-5732 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800)956-4237 AQUA VIRGINIA-WATER (AQV322) BEARING: N47*39'07"E DIST: 780.221 10/15/21 10:30 AM N: 3655731.7300 E: 11071900.9910 PT #2 Z:1155.4122 BEARING: N29"59"15"E DIST: 622.866 MARKED UP TO PRIVATELY OWNED UTILITY; CONTACT PRIVATE UTILITY OWNER FOR LOCATE N: 3656271.2162 E:11072212.3058 FOR LOCALE FIELD CONTACT: LUTHER GHORLEY (877)987-2782 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)987-2782 COMCAST (CMC503) BEARING: N11'33'07"E DIST: 598.002 10/18/21 02-57 PM PT #4 N: 3656857.1049 E:11072332.0592 Z:1136,7278 NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. REARING-N30Y06'24"F DIST: 678 823 FIELD CONTACT: CABLE PROTECTION SERVICES (804)562-3861
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)359-1821 EXT OPT 1
LUMOS TELEPHONE (LMS545) PT 45 N: 3657444 3505 F:11072672 5637 7:1134.0828 11/05/21 08:42 AM REARING: N27'43'56"E DIST: 1128.358 NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: STAKE CENTER LOCATING (801)384-1063 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)411-6930 ROANOKE GAS (ROC540) PT #6 N: 3658443.0975 E:11073197.6323 Z:1128.6493 DIST: 1244.077 BEARING: N52"48"34"E N: 3659195.1044 E:11074188.6991 11/03/21 03:14 PM BEARING: N55"36"16"E DIST: 328.373 N: 3659380.6027 E:11074459.6584 7:1140 1520 FIELD CONTACT: ZACH BECKNER (540)655-0280
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)777-4427 RVB 10 ROANOKE BROADBAND (RVB904) 10/19/21 11:00 AM BENCHMARK MARKED
FIELD CONTACT: MICHELLE NIDAY (540)283-2981
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)853-5700
PEG BANDWIDTH (UNF937) RM-1: CHISELED SOLIARE S.W. CORNER OF CONC. HEADWALL FLEV = 1130.28 10/15/21 09:11 AM NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: GREG SYDNOR (804)385-1126 IN THE EVENT OF DAMAGE OA FACULTY CALL: (877)652-2321 WESTERN VA-BOTETOURT WIT (WWW181) BM-2: RAILROAD SPIKE IN POWER POLE ELEV. = 1142.84 10/19/21 11:00 AM MARKED UP TO PRIVATELY OWNED UTILITY; CONTACT PRIVATE UTILITY OWNER NOTES: FOR LOCATO: MICHELLE NIDAY (540)283—2981
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283—2981
WESTERN VA—BOTETOURT SWR (WWR82) THIS LOCATION SURVEY OF SANDERSON ROAD FOR WESTERN WRGMA WATER
AUTHORYTY MAS COMPLETED LINGER HE RIGHT AND RESPONSIBLE CHARGE OF
DIRECT ISTERMINON. THAT THE MAKERY AND/OFF ORDINAL DATA MASS GETAINED
FROM MOVEMER 1, 2021 THEU MOVEMER 12, 2021: THAT THIS FAIT, MAP, OR
DIGITAL CESPATUL DATA INCLUDE WETMOATA WESTER SANDLAND SURVEYS OFFICE AND WESTER
FROM MOVEMER 10, 2021 THEU MOVEMER 12, 2021: THAT THIS FAIT, MAP, OR
PROFIT HE FORMATION IS ASSET OF FLOOR AND PHYSICAL EVED NO.
PROFITED FORMATION IS ASSET OF FLOOR AND PHYSICAL EVED NO. 10/19/21 11:00 AM MARKED UP TO PRIVATELY OWNED UTILITY; CONTACT PRIVATE UTILITY OWNER FIELD CONTACT: MICHELLE NIDAY (540)283-2981 N THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283-2981 10/19/21 11:00 AM WESTERN VA-WTR&SWR (WVW853) FOUND.

3. HORIZONTAL (NAD 83/2011) AND VERTICAL (NAVORR) CONTROL WAS ESTABLISHED BY OPUS BY TRADITHY L. CALDWELL, L.S.

4. CONTOURS AS SHOWN HEREOM ARE AT 1-FOOT INTERVALS.

5. UNDERGROUND UTILITIES LOCATION BASED ON DESIGNATION BY MISS UTILITY TICKET MOS. A128705161 & A1287071051 NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: MICHELLE NIDAY (540)283-2981 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283-2981 SANITARY SEWER TABLE WATER LINE TABLE TICKET: A128701561 REV: 00A TAKEN: 10/14/21 11:54 AM (S1) Sanitary Sewer Manhole Top of Rim = 1163.73' Inv. In 8" PVC = 1152.34' Inv. Out 8" PVC = 1152.24' (S11) Sanitary Sewer Manhole Paved Over. Data from WVWA GIS Top of Rim = 1134.45' Inv. 8" PVC Flow = 1124.65' STATE: VA CNTY: BOTETOURT PLACE: CLOVERDALE (W1) Water Manhole Top of Rim = 1160.34' Nothing in Manhole RESPONSES DUE BY: 11/08/21 07:00 AM EXPIRES: WHEN THE MEMBER MARKING CODE IS BLUE, CLICK FOR ADDITIONAL INFORMATION THAT MAY BE PROVIDED BY THE OPERATOR/LOCATOR. (W2) Water Manhole Top of Rim = 1161.51' Top of Nut = 1158.53' (S12) Sanitary Sewer Manhole Paved Over. Data from WVWA GIS Top of Rim = 1135.78' Inv. 8" PVC Flow = 1123.83' (S2) Sanitary Sewer Manhole Top of Rim = 1168.48' Inv. Out 8" PVC (S3) = 1155.63' MARKING DESCRIPTION CODE RESPONSE (S3) Sanitary Sewer Manhole (S13) Sanitary Sewer Manhole Top of Rim = 1124.61' Inv. 8" Ductile Iron Flow = 1116.30' AEP APPALACHIAN POWER (AEP111) 11/04/21 05:43 PM Sonitory Select Monnoor

Top of Rim = 1161.14'

Inv. In 8" PVC (S1) = 1150.00'

Inv. In 8" PVC (S2) = 1151.23'

Inv. Out 8" PVC (S4) = 1149.95' AMERICAN POWER (MCPIII)

MARKETON PROPERTY OF THE MARKET M (W4) Water Valve Top of Rim = 1141.14' Paved Over (S14) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. In 8" Terra Cotta (S13) = 1115.88' Inv. Out 8" Terra Cotta (S15) = 1115.78' 10/15/21 10:30 AM 12 (S4) Sanitary Sewer Manhole Top of Rim = 1157.09' Inv. In 8" PVC (S3) = 1146.91' Inv. Out 8" PVC (S5) = 1146.86' (W5) Water Valve FIGURE CONTACT: LUTHER GHORLEY (877)987-2782 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)987-2782 Top of Rim = 1142.74' Top of Nut = 1140.16' CMC 10/18/21 03:42 PM 10 (S15) Sanitary Sewer Manhole Top of Rim = 1119.60' (S5) Sanitary Sewer Manhole Top of Rim = 1155.54' Inv. In 8" PVC (S4) = 1146.29' Inv. Out 8" PVC (S6) = 1146.24' (W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17' MARKED FIELD CONTACT: CABLE PROTECTION SERVICES (804)562—3861 Inv. In 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta = 1115.22' N THE EVENT OF DAMAGE TO A FACILITY CALL: (877)359-1821 EXT OPT 1 LUMOS TELEPHONE (LMS545) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. IMS 10/18/21 02:19 PM 30 (S16) Sanitory Sewer Manhole
Could Not Find
Approximate Location and Inverts
from WWA GIS
Top of Rim = 1124.21'
Inv. Flow 8" = 1119.71' (S6) Sanitary Sewer Manhole Top of Rim = 1152.72' Inv. In 8" PVC (S5) = 1142.85' Inv. Out 8" PVC (S7) = 1142.79' FIELD CONTACT: STAKE CENTER LOCATING (801)364-1063 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)411-6930 ROANOKE GAS (RGC540) RGC 11/03/21 03:15 PM 10 NOANINE GAS (NGCS40)
MARKED
MA (W8) Water Manhole Top of Rim = 1211.57 (S7) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. In 8" PVC (S6)= 1142.77' (S17) Sanitary Sewer Manhole Top of Rim = 1199.86' Inv. In 8" PVC = 1199.93' Inv. Out 8" PVC = 1199.83' 10/19/21 11:16 AM 12 (W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04' Inv. Out 8" PVC (S8) = 1142.70" FOR LOCATE
FIELD CONTROIT: MICHELLE NIDAY (540)283-2981
IN THE EVENT OF DAMAGE TO A FAGULTY CALLE (540)283-2981
WESTERN NA-DOTTOURT SIME (WWWISZ)
MARKED UP TO PRIVATELY OWNED UTILITY: CONTACT PRIVATE UTILITY OWNER
FOR LOCATE (S8) Sanitary Sewer Manhole WVW 10/19/21 11:16 AM 12 (S18) Sanitary Sewer Manhole Top of Rim = 1142.93' Inv. In 8" PVC = 1138.38' Top of Rim = 1211.76' Inv. In 4" Lateral = 1211.68' Inv. In 8" PVC = 1211.71' FOR LOCATE
FIELD CONTACT: MICHELLE NIDAY (540)283—2981
IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283—2981

Inv. Out 8" PVC (S9) = 1138.18"

Inv. Out 8" PVC (S10) = 1137.08"

(S10) Sanitary Sewer Manhole Top of Rim = 1131.92' Inv. 4" PVC Lat. = 1129.62' Inv. In 6" PVC (S9) = 1126.57' Inv. Out 8" PVC (S11) = 1126.47'

Inv. Out 8" PVC = 1211.69"

(S19) Sanitary Sewer Manhole) Sanitary Sewer Manhole
Top of Rim = 1212.30'
Inv. In Lateral = 1212.28'
Inv. In Lateral = 1212.28'
Inv. In 8" PVC = 1212.32'
Inv. Out 8" PVC = 1212.27'

STORM DRAIN TABLE

* DENOTES DATA OBTAINED FROM PLANS OF VDOT PROJECT 0654-011-166 C-502				
(D1)	In Pl. 24" CMP Inv. In = 1158.95'	(D21) Catch Basin Top of Grate = 1135.50'	(D40) In Pl. 15" CMP Buried Inv. In = 1122.13"	(D60) in Pi. 24" RCP inv. in = 1140.94"
(0.0)	Inv. Out = 1157.48' In Pl. 30" HDPE	Inv. In 15" CMP (D20) = 1133.10" Inv. Out 15" CMP (D22) = 1133.10"	Inv. Out = 1122.08'	Inv. Out = 1138.37"
(D2)	In Pl. 30 HDPE Inv. In = 1156.54	(D22) in Pl. 15" CMP	(D41) Catch Basin Top of Grate = 1122.00'	(D61) In Pl. 15* CMP Inv. In = 1139.17*
	Inv. Out = 1155.21'	inv. in = 1133.10' inv. Out = 1132.20'	Inv. Out 24" CMP (D42) = 1119.63"	Inv. Out = 1133.89'
(D3)	In Pl. 30" CMP		(D42) In Pl. 24" CMP	(D62) In Pl. 36" RCP
	Inv. In = 1149.63' Inv. Out = 1150.21'	(D23) Catch Basin Top of Grate = 1132.01' Inv. Out 18" CMP (D24) = 1127.95'	Inv. In = 1119.63" Inv. Out = 1119.00	Inv. In Blind Tie to (D53) Inv. Out = 1151.75'
(D4)	Curb Inlet	Inv. Out 18 CMP (D24) = 1127.95	(D43) Catch Basin	(D63) 2x In Pl. 7' CMP
	Top of Rim = 1155.09* Inv. In 30" CMP (D3) = 1150.21*	(D24) in Pl. 18" CMP	Top of Grate = 1123.63' Inv. In 24" CMP (D42) = 1119.00'	Inv. In = 1127.35
	Inv. Out 30" RCP (D5) = 1150.18'	Inv. In = 1127.95' Inv. Out = 1122.33'	Inv. Out 24" CMP = 1118.92'	Inv. Out = 1127.30' (D64) 2x In Pl. 7' CMP
(D5)	In Pl. 30" RCP	(D25) Storm Drain Manhole	(D44) In Pl. Triple Box Culvert 8'x8'	Inv. In = 1121.45'
	Inv. In = 1150.18'	Top of Rim = 1126.53	Inv. In = 1118.38' Inv. Out = 1118.18'	Inv. Out = 1121.36'
	Inv. Out = 1149.80'	Inv. In 18" CMP = 1122.33" Inv. Out 18" CMP (D45) = 1118.48"	Inv. Out = 1118.18	(D65) in Pl. 12* CMP
(D6)	Curb Inlet		(D45) in Pl. 18" CMP	Inv. In = 1141.16
	Top of Rim = 1155.11' Inv. in 30" RCP (D5) = 1149.80'	(D26) In Pl. 14" x 22" OVAL RCP	Inv. In = 1118.48' Inv. Out = 1116.11'	inv. Out (Burled) = 1139.98'
	Inv. 30" RCP (D3) = 1149.68"	Inv. In = 1127.97' Inv. Out = 1127.83'		(D66) In Pl. 24" CMP
			(D46) in Pl. 18" CMP	Inv. In = 1118.92
(D7)	In Pl. 30" RCP Inv. In = 1149.68"	(D27) In Pl. 6" PVC Inv. In = Unknown	Inv. In = 1116.99' Inv. Out = 1113.21'	Inv. Out (Buried) = Direction Only
	Inv. Out = 1149.76'	Inv. Out = 1125.25"		(D67) In Pl. 18* RCP
(0.0)			(D47) Catch Basin Top of Grate = 1139.28'	Inv. In = 1135.53' * Inv. Out = 1133.40'
(08)	In Pl. 55"x72" Elliptical CMP Inv. In = 1137.28"	(D28) Catch Basin Top of Grate = 1125.01"	Inv. Out 18" RCP (D67) = 1135.53'	* Inv. Out = 1133.40
	Inv. Out = 1135.99'	Inv. Out 18" CMP (D29) = 1122.13"		(D68) Catch Basin (Buried)
(00)	In Pl. 55*x72* Elliptical CMP	(D29) in Pl. 18" CMP	(D48) in Pl. 18" CMP inv. in = 1139.83"	* Top of Grate = 1136.00
(00)	Inv. In = 1137.32	Inv. In = 1122.13'	Inv. Out Blind Tie to (D9)	 Inv. In 18" CMP (D67) = 1133.40" Inv. In 18" CMP (D68) = 1133.40"
	Inv. Out = 1135.60'	Inv. Out = 1121.29"	(D49) In Pl. 36" HDP	 Inv. Out 30" x 19" Elliptical = 1133.30"
(010)	Catch Basin	(D30) Storm Drain Manhole	Inv. In Direction Unknown	(D69) In Pl. 18* RCP
(=,	Top of Grate = 1141.95"	Top of Rim = 1124.74	Inv. Out = 1154.67*	inv. in = 1135.88'
	Inv. Out 18" RCP= 1139.83"	Inv. In 18" CMP = 1121.29	(D50) Curb Inlet	 Inv. Out = 1133.40*
(D11)	Catch Basin	Inv. Out 18" CMP (D46) = 1116.99'	Top of Rim = 1160.53	(D70) Catch Basin
	Top of Grate = 1142.60	(D31) Catch Basin	inv. in 36" HDP (D49) = 1154.67" inv. Out 36' HDP (D51) = 1154.52"	Top of Grate = 1138.89
	Inv. Out 18" RCP = 1139.17	Top of Grate = 1122.56' Inv. Out 24" CMP (D32) = 1118.21'		Inv. Out 18" RCP (D69) = 1135.88"
(D12)	In Pl. 12" CMP		(D51) In Pl. 36" HDP	(D71) in Pl. 24" RCP
	Inv. In = 1138.96' Inv. Out = 1137.01'	(D32) In Pl. 24" CMP Inv. In = 1118.21'	Inv. In = 1154.52' Inv. Out = 1154.27'	Inv. In = 1120.58' Inv. Out = 1120.00'
		Inv. Out = 1117.97		
(D13)	In Pl. 18" CMP		(D52) Curb Inlet Top of Rim = 1160.17	(D72) In Pl. 24" RCP
	Inv. In = 1137.36' Inv. Out = 1135.86'	(D33) In Pl. 18" CMP Inv. In = 1120.79"	Inv. In 36" HDP (D51) = 1154.27"	Inv. In = 1129.67' Inv. Out = 1124.52'
	_	Inv. Out = 1119.67"	Inv. Out 36" HDP (D53) = 1154.22"	
(D14)	In Pl. 84" CMP Inv. in = 1131.53"	(D34) In Pl. 15" CMP (Debris)	(D53) In Pl. 36" HDP	(D73) In Pl. 24" RCP Inv. In = 1133,30"
	Inv. Out = 1130.79'	Inv. In = 1122.45	Inv. In = 1154.22	Inv. Out = 1129.82
(D1=)	In Pl. 84" CMP	Inv. Out = 1122.91'	Inv. Out Blind Tie to (D62)	(D74) Curb Inlet
(015)	inv. in = 1131.61	(D35) in Pi. 24" CMP	(D54) Catch Basin	Top of Rim = 1199.72
	Inv. Out = 1130.36'	Inv. In = 1117.54'	Top of Grate = 1153.41	Inv. Out 12" HDP = 1199.70"
(D16)	Catch Basin	Inv. Out = 1116.85'	Inv. Out 24" HDP (D55) = 1149.07"	(D75) Curb Inlet
(0.0)	Top of Grate = 1132.48	(D36) In Pl. 30" CMP	(D55) in Pl. 24" HDP	Top of Rim = 1199.87
	Inv. Out 18" CMP = 1129.62"	Inv. In Conc. H/W = 1119.29' Inv. Out = 1118.92'	Inv. In = 1149.07' Inv. Out = 1148.51'	Inv. in 12" HDP (D74) = 1199.91' Inv. in 30" HDP (D75) = 1199.98'
(D17)	In Pl. 15" CMP	Inv. Out = 1118.92		Inv. In 30 HDP (D75) = 1199.96 Inv. Out 30" HDP = 1199.88'
	Inv. In = 1129.62 Inv. Out = DIRECTION ONLY	(D37) Storm Drain Manhole	(D56) Curb Inlet	
		Top of Rim = 1133.70' Inv. In 24" RCP (D72) = 1124.52'	Top of Rim = 1156.22 Inv. In 24" HDP (D55) = 1148.51	(D76) Curb Inlet Top of Rim = 1208.65'
(D18)	In Pl. 18" CMP	Inv. In 24 RCP (D72) = 1124.52 Inv. Out 24" RCP (D71) = 1120.58"	Inv. Out 24" HDP (D57) = 1148.44"	Inv. In 30" HDP = 1208.87"
	Inv. In = 1128.48' Inv. Out = 1128.16'		(D57) In Pl. 24" HDP	Inv. Out 30" HDP = 1208.55"
		(D38) In Pl. 6* RCP VDOT Underdrain Pipe with	inv. in = 1148.44"	(D77) Curb Inlet
(D19)	In Pl. 30" CMP Inv. In Conc. H/W = 1126.84"	Conc. Headwalls	Inv. Out = 1147.21'	Top of Rim = 1211.68
	Inv. In Conc. H/W = 1126.84 Inv. Out = 1123.83	Inv. In = 1122.74' Inv. Out = 1122.25'	(D58) Curb Inlet	inv. in 24" HDP (D78) = 1211.71" inv. in 30" HDP = 1211.66"
/nn			Top of Rim = 1154.31	Inv. In 30 HDP = 1211.66 Inv. Out 30" HDP = 1211.62"
(D20) in Pl. 15" CMP Inv. in = 1135.75"	(D39) Storm Drain Manhole	inv. in 24" HDP (D57) = 1147.21 inv. Out 24" HDP (D59) = 1147.16"	
	Inv. In = 1133.75	Top of Rim = 1136.42' Inv. In 24" RCP (D73) = 1129.82'		(D78) Curb Inlet Top of Rim = 1211.85'
		Inv. Out 24" RCP (D72) = 1129.67"	(D59) in Pl. 24" HDP	Inv. In 24" RCP = 1211.90"
			Inv. In = 1147.16' Inv. Out = 1144.65'	Inv. Out 24" HDP = 1211.86'
			••• 1111100	(D79) Inv. In 24" RCP = 1206.45'



Mattern & Craig , S.W. 24016 -9342 -7691 RST STREET, VIRGINIA 2 (540) 345-(540) 345-

WATERLINE NOTES DRIVE SURVEY SANDERSON

Vertical Scale

4230B