HYD-20321
Hydrant Test Report

Tt: Laura Anderson
Kimley-Horn

Ff: Johnathan Adkins
Western Virginia Water Authority

01 July 2021

Summary:

ID	Inspection Type	Hydrant ID	Location
HYD-20321_106976	TESTING	HYD-20321	7214 WILLIAMSON RD

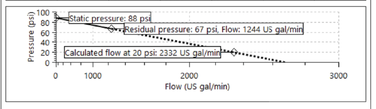
Flow	Calculated Flow At 20 PSI Residual Pressure
1,244 GPM	2,332.1 GPM

Hydrant Test Record

ID	HYD-20321_106976		
Inspection Type	TESTING		
Hydrant ID	HYD-20321		
Location	7214 WILLIAMSON RD		
Diameter (in)	2.500	*Flow (US gal/min)*	1244
Flush Time	5	*Water Used (US Mgal)*	0.006
X Coordinate (US Survey ft)	11059489.12	*Y Coordinate (US Survey ft)*	3652826.19
Time to Clear	5	*Initial Color*	CLEAR
Initial Turbidity	NOSUSSOL (No Suspended Solids (Clear))	*Final Turbidity*	NOSUSSOL (No Suspended Solids (Clear))
Initial Chlorine (mg/l)	-	*Final Chlorine (mg/l)*	-
Temperature	-	*pH Level*	-
Static Pressure	88.00	*Residual Pressure*	66.75

Flow Hydrant(s)

Hydrant ID	*Diameter (in)*	*Coefficient*	*Pitot Pressure (psi)*	*Flush Time (min)*	*Flow (US gal/min)*	*Water Used (US Mgal)*
HYD-20321	2.500	0.90	55.00	5	1244	0.006



Actual Duration	-	*Actual Cost ($)*	-
Estimated Duration	-	*Estimated Cost ($)*	-

Schedule Number	106976	*Completed*	Y
Date/Time Planned	30 Jun 2021	*Task Status*	COMP (Completed)
Estimated Completion Date	30 Jun 2021	*Date/Time Started*	-
Repeat Period	-	*Date Completed*	09:46 30 Jun 2021
Team Leader	SFOX (ENG-Sonya Fox)	*Repeat Schedule Number*	-
Contractor	-		

Location Sketch - *Location Photo -*

Hydrant 2 Id	-	*Static Pressure Hyd 2*	-
Hydrant 3 Id	-	*Residual Pressure Hyd 2*	-
Caps Status	ALLCAPS (All caps present)	*Static Pressure Hyd 3*	-
ID Tag Status	INTLEG (Intact and Readable)	*Residual Pressure Hyd 3*	-
Damaged?	NO	*Absolute % Difference for Residual vs. Pitot*	-
Operable?	YES	*Flushing (GPM)*	-
Authority ID	20321	*Day 2 Chlorine (mg/l)*	-
Start Time	-	*Day 3 Chlorine (mg/l)*	-
End Time	-	*Day 4 Chlorine (mg/l)*	-
Area	-	*Day 5 Chlorine (mg/l)*	-

Notes	

No.	REVISIONS	DATE	BY

Kimley»Horn
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COMMONWEALTH OF VIRGINIA
LAURA P. ANDERSON
Lic. No. 060895
02/23/2022
PROFESSIONAL ENGINEER

KHA PROJECT 113418012
DATE 02/23/2022
SCALE AS SHOWN
DESIGNED BY MFB
DRAWN BY MFB
CHECKED BY LPA

SITE & UTILITY DETAILS

TAKE 5
WILLIAMSON ROAD
PREPARED FOR
EB PARTNERS LLC
ROANOKE COUNTY VA

SHEET NUMBER
CS-503

Plotted By:Anderson, Laura Sheet Set:Kha Layout:CS-503 SITE & UTILITY DETAILS February 23, 2022 01:08:48pm K:\RNC_CIV\113418 - Take 5\005 - Williamson Rd - Roanoke\CAD\PlanSheets\CS-503 SITE & UTILITY DETAILS.dwg
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APPROVED, 2/24/2022