

w:\drawings\2019\2019-03\4\01-cad\01-engineering\02-design\as-built\19034-comp-as-built.dwg 19034-comp-as-built-02-md02.plt

As-Built Hydrants Coordinates			
ID	Northing	Easting	Structure Elev.
HYD-1	3609066.30	11056778.29	1249.72
HYD-2	3608888.52	11057631.70	1292.62
HYD-3	3609130.88	11057651.12	1326.14
HYD-4	3609591.23	11057290.75	1257.30
HYD-5	3609923.71	11055954.32	1283.28

As-Built Air Release Valve Coordinates			
ID	Northing	Easting	Structure Elev.
ARV-1	3609121.34	11057352.01	1347.39
ARV-2	3609198.78	11057660.38	1324.48
ARV-3	3609193.48	11057662.60	1324.22
ARV-4	3609541.68	11057219.93	1262.35
ARV-5	3609437.19	11056901.48	1259.62
ARV-6	3609919.31	11055948.46	1280.33

As-Built Blow Off Coordinates			
ID	Northing	Easting	Structure Elev.
BO-1	3609429.89	11056824.26	1254.61
BO-2	3608791.72	11057743.51	1296.94

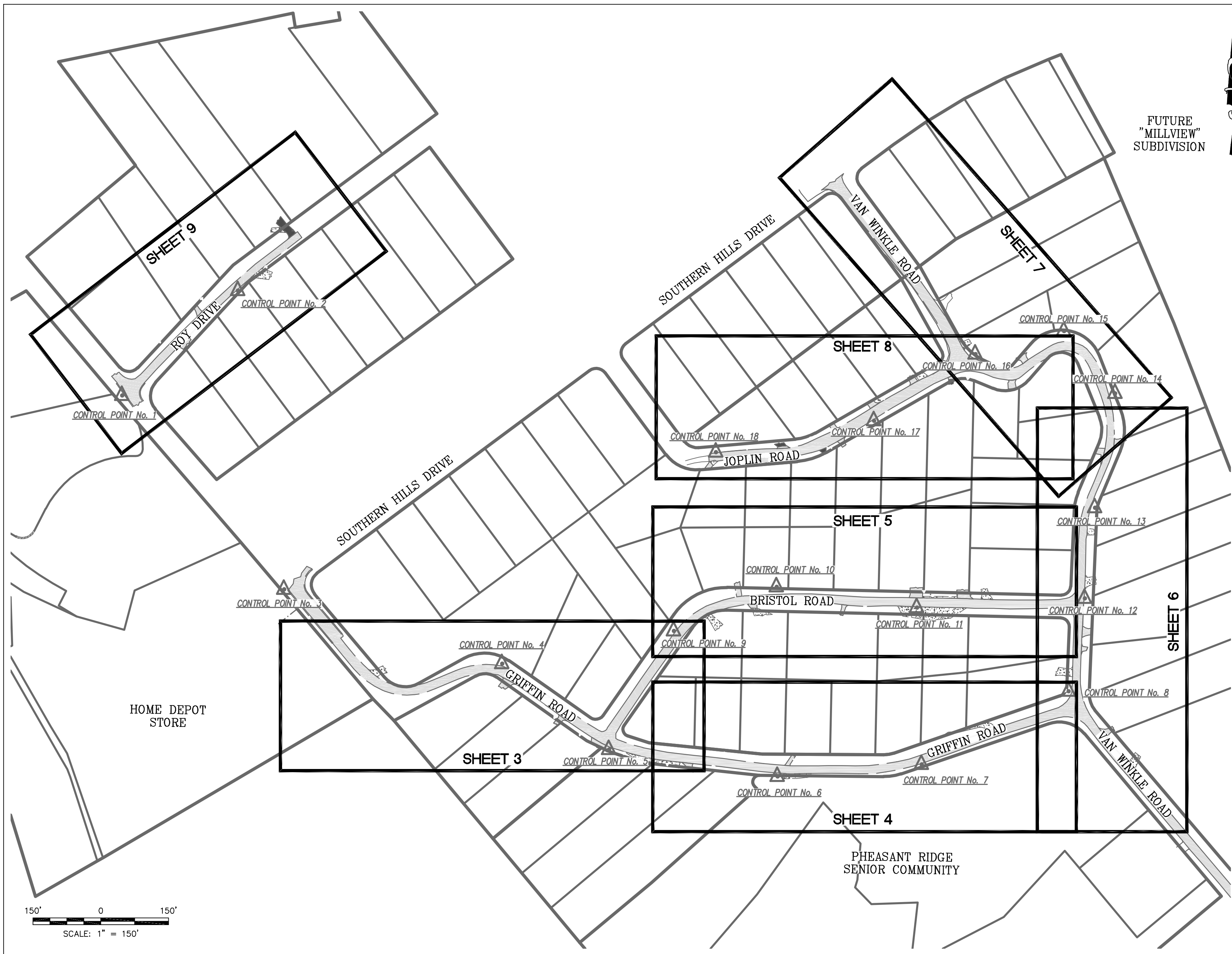
As-Built Water Meters				
ID	Northing	Easting	Meter Top Elev.	Meter Type
WM-1	3609033.14	11056046.15	1151.02	S
WM-2	3608896.77	11056192.17	1170.77	S
WM-3	3608853.55	11056505.94	1212.05	S
WM-4	3608815.61	11056562.70	1218.84	S
WM-5	3608713.94	11056597.72	1228.58	S
WM-6	3608749.60	11056756.17	1237.91	S
WM-7	3608744.29	11056857.82	1245.87	S
WM-8	3608773.77	11056883.22	1252.62	S
WM-9	3608759.24	11057037.33	1264.83	S
WM-10	3608839.50	11057487.18	1284.88	S
WM-11	3608912.97	11057639.38	1296.12	S
WM-12	3608894.69	11057681.06	1296.18	S
WM-13	3608994.84	11057682.98	1312.06	S
WM-14	3609125.03	11057691.39	1325.77	D
WM-15	3609047.32	11056756.13	1242.92	S
WM-16	3609069.08	11056838.80	1264.44	S
WM-17	3609130.37	11056906.21	1287.36	S
WM-18	3609102.75	11056958.09	1296.00	S
WM-19	3609097.60	11057193.83	1336.86	S
WM-20	3609131.77	11057323.60	1346.35	D
WM-21	3609274.98	11057691.20	1321.00	S
WM-22	3609385.25	11057727.62	1312.37	S
WM-23	3609429.41	11057710.62	1303.12	S
WM-24	3609475.13	11057748.17	1300.26	S
WM-25	3609661.19	11057562.57	1251.99	S
WM-26	3609602.39	11057457.34	1243.33	S
WM-27	3609603.83	11057420.38	1244.84	S
WM-28	3609625.61	11057343.18	1247.09	S
WM-29	3609559.03	11057235.74	1261.25	S
WM-30	3609528.43	11057242.42	1262.55	S
WM-31	3609514.57	11057161.62	1259.50	S
WM-32	3609451.11	11057118.75	1256.81	S
WM-33	3609471.46	11057074.20	1252.57	S
WM-34	3609426.65	11056985.96	1257.35	S
WM-35	3609448.29	11056932.29	1258.73	S
WM-36	3609412.07	11056835.47	1259.36	S
WM-37	3609684.58	11055633.51	1236.96	S
WM-38	3609729.43	11055733.76	1242.40	S
WM-39	3609779.30	11055727.26	1249.89	S
WM-40	3609850.39	11055869.26	1260.30	S
WM-41	3609862.83	11055836.81	1260.07	S
WM-42	3609935.87	11055931.21	1279.99	S

As-Built Gate Valve Coordinates				
ID	Northing	Easting	Structure Elev.	Valve Top of Nut Elev.
GV-1	3608811.59	11056599.26	1220.66	1219.48
GV-2	3608810.78	11056607.38	1221.68	1219.99
GV-3	3608805.42	11056608.30	1222.03	1220.28
GV-4	3608881.24	11057651.50	1293.48	1291.30
GV-5	3608886.19	11057657.33	1294.25	1291.18
GV-6	3608880.64	11057659.41	1294.01	1291.78
GV-7	3609119.48	11057652.95	1324.48	1322.31
GV-8	3609115.77	11057655.51	1324.34	1322.16
GV-9	3609123.19	11057655.67	1324.50	1322.28
GV-10	3609669.28	11057628.82	1265.26	1263.41
GV-11	3609669.43	11057624.82	1264.51	1262.97
GV-12	3609673.76	11057626.29	1265.23	1263.08
GV-13	3609724.81	11057633.10	1274.19	1271.72
GV-14	3609757.10	11057619.04	1276.73	1274.72
GV-15	3609756.31	11057613.86	1276.50	1274.50
GV-16	3609641.41	11057407.71	1239.65	1237.47
GV-17	3609642.71	11057403.35	1239.44	1237.52
GV-18	3609646.60	11057404.51	1238.99	1236.78
GV-19	3609552.23	11055580.80	1212.76	1211.48
GV-20	3608789.02	11057744.04	1297.10	1295.26

SURVEY CONTROL PROVIDED / UTILIZED:		
SEE PROJECT OVERVIEW MAP (THIS SHEET) FOR LOCATION		
CONTROL POINT No. 1 NORTHING: 3608587.77 EASTING: 1105550.23 ELEVATION: 1219.12	CONTROL POINT No. 7 NORTHING: 3608751.36 EASTING: 11057319.31 ELEVATION: 1276.51	CONTROL POINT No. 13 NORTHING: 3608319.31 EASTING: 11057702.56 ELEVATION: 1318.72
CONTROL POINT No. 2 NORTHING: 3608759.74 EASTING: 11055806.27 ELEVATION: 1252.13	CONTROL POINT No. 8 NORTHING: 3608913.16 EASTING: 11057644.40 ELEVATION: 1296.07	CONTROL POINT No. 14 NORTHING: 3608572.01 EASTING: 11057741.45 ELEVATION: 1296.40
CONTROL POINT No. 3 NORTHING: 3608138.64 EASTING: 11055908.46 ELEVATION: 1150.25	CONTROL POINT No. 9 NORTHING: 3608946.63 EASTING: 11056770.89 ELEVATION: 1273.57	CONTROL POINT No. 15 NORTHING: 3609709.99 EASTING: 11057634.21 ELEVATION: 1273.26
CONTROL POINT No. 4 NORTHING: 3608974.06 EASTING: 11056390.85 ELEVATION: 1189.25	CONTROL POINT No. 10 NORTHING: 3608144.09 EASTING: 11056998.37 ELEVATION: 1311.45	CONTROL POINT No. 16 NORTHING: 3608659.08 EASTING: 11057438.04 ELEVATION: 1237.28
CONTROL POINT No. 5 NORTHING: 3608784.21 EASTING: 11056627.51 ELEVATION: 1224.58	CONTROL POINT No. 11 NORTHING: 3608908.31 EASTING: 11057308.78 ELEVATION: 1347.11	CONTROL POINT No. 17 NORTHING: 3608511.72 EASTING: 11057213.79 ELEVATION: 1262.45
CONTROL POINT No. 6 NORTHING: 3608724.76 EASTING: 11057000.15 ELEVATION: 1258.90	CONTROL POINT No. 12 NORTHING: 3608918.65 EASTING: 11057680.20 ELEVATION: 1324.33	CONTROL POINT No. 18 NORTHING: 3608442.10 EASTING: 11056864.16 ELEVATION: 1257.38

LEGEND		
ITEM	EXISTING	PROPOSED
Pavement	----	----
Curb and Gutter	----	----
Curb	----	----
Pavement Replacement	----	----
Storm Drain Line	24" RCP	----
Sanitary Sewer Manhole	8" SS	8" W
Sanitary Sewer Line	8" W	8" W
Waterline	8" W	8" W
High Pressure Waterline	8" W	8" W
Single Water Service	8" W	8" W
Double Water Service	8" W	8" W
Hydrant	8" W	8" W
Gate Valve	8" W	8" W
Underground Electric Line	8" W	8" W
Overhead Electric Line	8" W	8" W
Underground Telephone Line	8" W	8" W
Underground Gas Line	8" W	8" W
Utility Pole	8" W	8" W
Fence	8" W	8" W
Contours	8" W	8" W
Spot Elevation	8" W	8" W
Treeline	8" W	8" W

ABBREVIATIONS	
D.E.	DRAINAGE EASEMENT
W.L.E.	WATER LINE EASEMENT
S.S.E.	SANITARY SEWER EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
ESMT.	EASEMENT
M.B.L.	MINIMUM BUILDING LINE
R/W	RIGHT OF WAY
VAR.	VARIABLE
EX.	EXISTING
D.B.	DEED BOOK
P.B.	PLAT BOOK
PG.	PAGE
No.	NUMBER
TYP.	TYPICAL
STA.	STATION
L.T.	LEFT
R.T.	RIGHT
RCMP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
W	WATER LINE

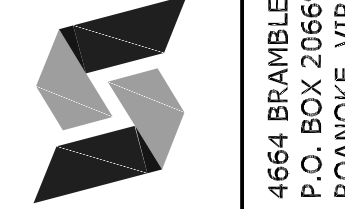


AS-BUILT
AS-BUILT INFORMATION SHOWN ON
THIS PLAN IS THE RESULT OF A
FIELD SURVEY PERFORMED
BY LUMSDEN ASSOCIATES, P.C. OR
AS SUPPLIED BY JACK ST. CLAIR
(CONTRACTOR) FIELD MARKUPS.

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FAX: (540) 772-9445
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Lumsden Associates, P.C.
ENGINEERS | SURVEYORS | PLANNERS



COMMONWEALTH OF VIRGINIA
ANDREW P. LUMSDEN
Professional Engineer
Lic. No. 052216
9/30/20

GRIFFIN / VAN WINKLE
WATERLINE REPLACEMENTS

PREPARED FOR
JACK ST. CLAIR, INC.
SITUATED IN
THE CITY OF ROANOKE, VIRGINIA

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

DATE:
September 30, 2020

SCALE:
AS SHOWN

COMMISSION NO:
19-034 & 20-191

SHEET 2 OF 9