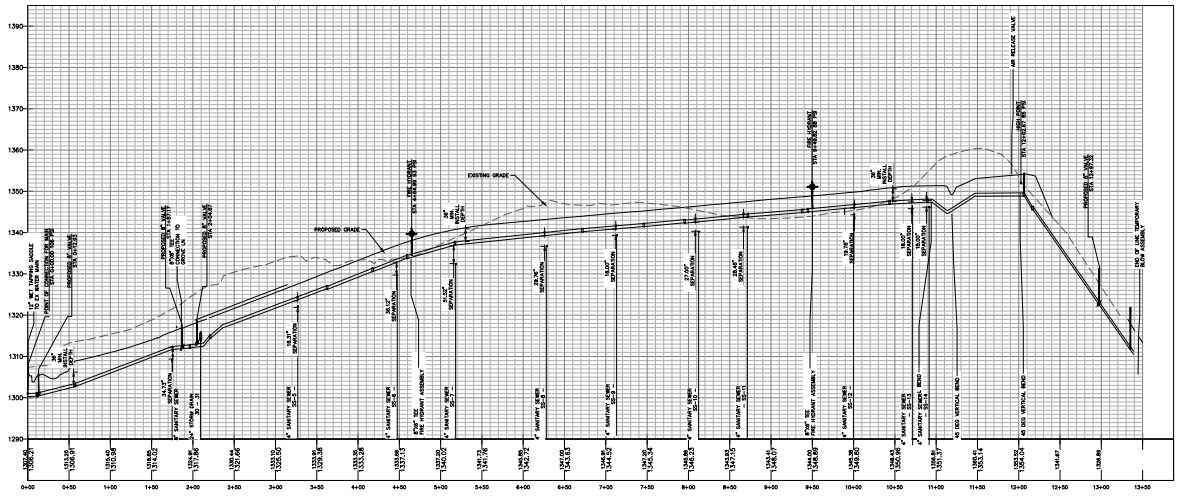

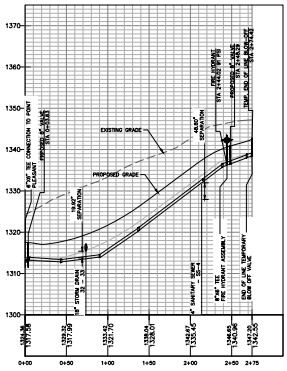

Hydrant Table for Pleasant Run Subdivision

Label	Fire Flow Stations	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Calculated Residual) (psi)	Elevation (ft)	Station (ft)
H-1	2	True	1,500.00	3,808.00	38	1,334.00	4+65
H-2	3	True	1,500.00	2,823.00	20	1,346.00	9+50
H-3	2	True	1,500.00	3,808.00	37	1,339.00	2+68

Pleasant Run Subdivision
Tax Map # 064.01-02-01.00-0000
Static Water Pressure Information for Profile Labelling

Location	Station	PSI
Point of Connection for Main	0+00	106
High Point	12+01	85
Low Point	0+00	106
Fire Hydrant	4+65	93
Fire Hydrant	9+49	88
Fire Hydrant	2+68	91

Pleasant Run Subdivision
Tax Map # 064.01-02-01.00-0000

Anticipated Static Water Pressure For Proposed Lots (ASP)
Static Water Pressure at Hydrant in Front of Property = 108 psi (WVWA GIS)
HGL at Hydrant in Front of Property = 1550 ft (WVWA GIS)
Ground Surface Reference Elevation From HGL = 1300.5 ft

Lot #	Elevation of Water Main at Lot (ft)	ASP (psi)	PRV Required
1	1338	92	YES
2	1327	97	YES
3	1315	102	YES
4	1338	92	YES
5	1321	99	YES
6	1334	93	YES
7	1337	92	YES
8	1341	90	YES
9	1342	90	YES
10	1344	89	YES
11	1345	89	YES
12	1348	87	YES
13	1349	87	YES
14	1349	87	YES
15	1349	87	YES
16	1349	87	YES
17	1349	87	YES
18	1346	88	YES
19	1345	89	YES
20	1342	90	YES
21	1341	90	YES
22	1338	92	YES
23	1334	93	YES
24	1327	97	YES

GAY AND NEEL, INC.
CONSULTANTS IN WATER & WASTEWATER
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RECORD SET - 09/30/2022
POINT PLEASANT SUBDIVISION DEVELOPMENT PLAN

ROANOKE COUNTY, VIRGINIA

COMMONWEALTH OF VIRGINIA
JOHN T. NEEL
Lic. No. 038780
09/30/22
PROFESSIONAL ENGINEER

REVISIONS		
NO.	COMMENTS	DATE
1	SECOND SUB. TO COUNTY AND VDOT	(04/24/2)
2	THIRD SUBMITTAL TO COUNTY (SWM AND COMMENT LETTER)	(04/24/2)
3	THIRD SUB. TO COUNTY AND VDOT (SWM AND COMMENT LETTER RESPONSE)	(04/24/2)
4	WATER AUTHORITY & VDOT COMMENTS	(04/24/2)
5	CHANGES FROM SUBDIVISION PLAT COMMENTS	(11/4/24)

PROJECT TEAM	
PM	MICHAEL G. GAY , PE
ENG	TYLER G. AUSTIN, PE
TECH	MINASSIR

ISSUE DATE	04/09/20
GNI JOB NO.	2997
SHEET TITLE	UTILITY PROFILES
SHEET NUMBER	C4-05