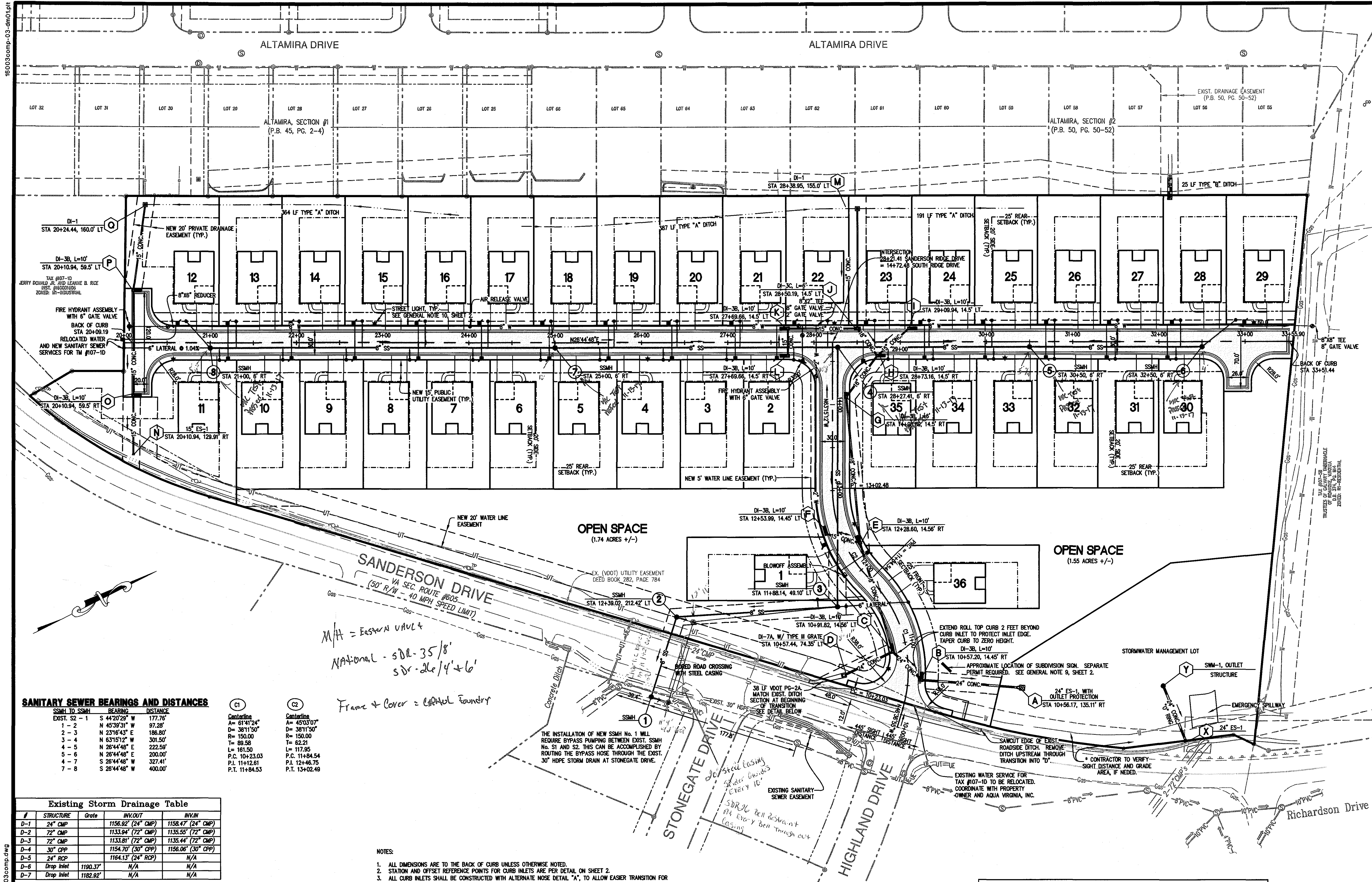


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SANITARY SEWER BEARINGS AND DISTANCES

SSMH TO SSMH	BEARING	DISTANCE
EXIST. S2 - 1	S 44°20'29" W	177.75'
1 - 2	N 45°39'31" W	97.28'
2 - 3	N 23°16'43" E	186.80'
3 - 4	N 63°15'12" E	301.50'
4 - 5	N 26°44'48" E	222.59'
5 - 6	N 26°44'48" E	200.00'
6 - 7	N 26°44'48" W	327.41'
7 - 8	S 26°44'48" W	400.00'

C1

Centerline	A = 61'41"24"
D = 38'11"50"	R = 150.00
T = 88.58	L = 161.50
P.C. 10+23.03	P.T. 11+84.53

C2

Centerline	A = 45'03"07"
D = 38'11"50"	R = 150.00
T = 62.21	L = 117.95
P.C. 11+84.54	P.T. 13+02.49

Existing Storm Drainage Table

#	STRUCTURE	WYWAY	RIM	INV. OUT	INV. IN(1)	INV. IN(2)	INV. IN(3)
D-1	24" CMP	Grate	1156.92' (24" CMP)	1158.47' (24" CMP)			
D-2	24" CMP		1153.94' (24" CMP)	1155.55' (24" CMP)			
D-3	24" CMP		1153.81' (24" CMP)	1155.44' (24" CMP)			
D-4	30" CPP		1154.70' (30" CPP)	1156.06' (30" CPP)			
D-5	24" RCP		1164.13' (24" RCP)	N/A			
D-6	Drop Inlet		1190.37'	N/A			
D-7	Drop Inlet		1182.92'	N/A			

Existing Sanitary Sewer Table

#	STRUCTURE	WYWAY	RIM	INV. OUT	INV. IN(1)	INV. IN(2)	INV. IN(3)
S-1	SSMH	400-0871.0	1163.24'	1151.69' (8" PVC)	1151.78' (8" PVC)		
S-2	SSMH	400-0870.0	1156.55'	1147.80' (8" PVC)	1147.80' (8" PVC)		
S-3	SSMH	400-0868.0	1155.04'	1146.98' (8" PVC)	1146.98' (8" PVC)		
S-4	SSMH	400-0868.0	1152.19'	1143.24' (8" PVC)	1143.34' (8" PVC)		
S-5	SSMH	400-0867.0	1147.35'	1142.24' (8" PVC)	1142.35' (8" PVC)		
S-6	SSMH	400-0403.0	1142.42'	1137.75' (10" PVC)	1138.74' (10" PVC) SE	1138.42' (8" PVC) SW	
S-7	SSMH	400-0402.0	1143.59'	1136.51' (10" PVC)	1136.89' (10" PVC) SW		

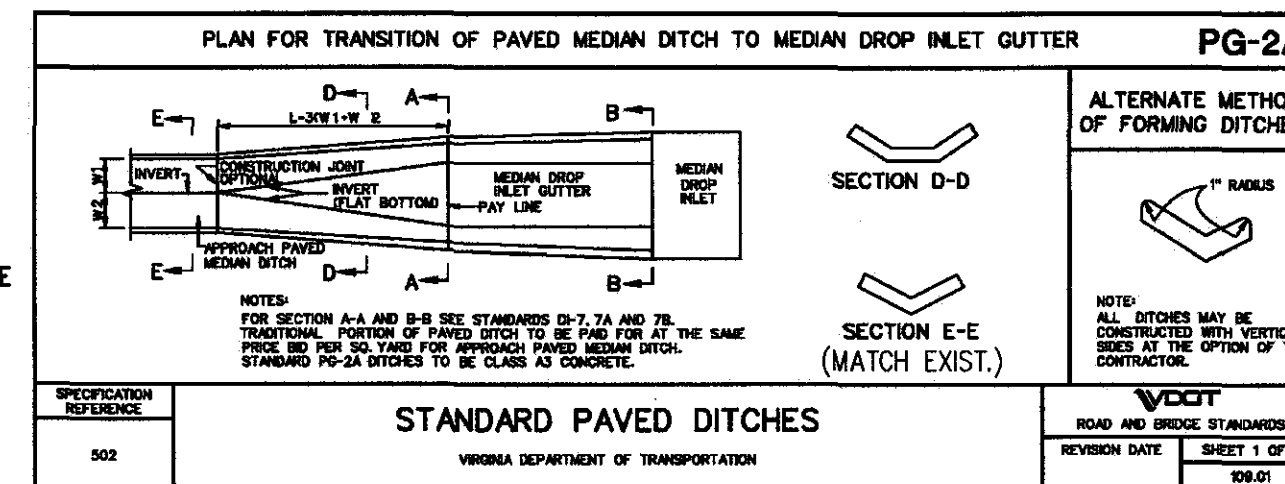
* - Denotes Data taken from Western Virginia Water Authority's GIS

NOTES:

- ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- STATION AND OFFSET REFERENCE POINTS FOR CURB INLETS ARE PER DETAIL ON SHEET 2.
- ALL CURB INLETS SHALL BE CONSTRUCTED WITH ALTERNATE NOSE DETAIL "A", TO ALLOW EASIER TRANSITION FOR ROLL TOP CURB. SEE DETAIL, SHEET 2.
- ALL SANITARY SEWER CONSTRUCTION METHODS & MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST WYWA DESIGN AND CONSTRUCTION STANDARDS.
- SANITARY SEWER PIPE MATERIAL SHALL BE PVC, SDR 35, UNLESS OTHERWISE NOTED. SEE PROFILE SHEET 5.
- CONNECTION TO EXISTING SANITARY SEWER SHALL BE PERFORMED ONLY WITH A WESTERN VIRGINIA WATER AUTHORITY INSPECTOR PRESENT ON-SITE. 48 HOURS NOTICE REQUIRED.
- THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE WESTERN VIRGINIA WATER AUTHORITY IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION. PLEASE CONTACT MARK SINK AT 540-537-3460.
- FIELD CORRECTIONS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY PRIOR TO SUCH CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL EXISTING UTILITIES LOCATED AND POHOLED TO VERIFY LOCATIONS. THIS PLAN REVIEW DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ANY EXISTING CONFLICTS FOUND DURING CONSTRUCTION.
- ALL SANITARY SEWER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY.

WATER LINE NOTES:

- ALL WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH AQUA VIRGINIA STANDARDS AND SPECIFICATIONS. SEE SHEETS 11 AND 12 OF THIS PLAN.
- CONTRACTOR TO PROVIDE AQUA VIRGINIA CONSTRUCTION SCHEDULE FOR WATER LINE TO ALLOW FOR INSPECTIONS.
- COORDINATE CONNECTION TO EXISTING WATER LINE WITH AQUA VIRGINIA. CONTACT JAY DIVERS AT (540) 520-5345. AQUA VIRGINIA WILL NOTIFY EXISTING CUSTOMERS FOR SERVICE CUTOFF DURING CONNECTION.
- WATER LINE PIPE MATERIAL FOR 6" AND 8" LINES SHALL BE C-900, PVC. SERVICE LATERALS AND 2" WATER LINE MATERIAL SHALL BE CROSS LINKED PE PIPE, "MUNICOPEX", MADE BY REHAU.
- MEGA-LUG RESTRAINING JOINTS SHALL BE REQUIRED.
- ALL LOTS WITHIN THIS SUBDIVISION WILL BE REQUIRED TO HAVE PRESSURE REDUCING VALVES.
- ALL TRACER WIRE SHALL BE #12 AWG COPPER CLAD STEEL WITH A HDPE COATING (COPPERHEAD LOCATING WIRE) AND ALL ASSOCIATED CONNECTIONS PER THEIR TRACER WIRE INSTALLATION SPECIFICATIONS. ALL TRACER WIRE SHALL BE STUBBED OUT TO HYDRANTS, VALVES, ETC. PER SPECIFICATIONS. SEE SHEETS 11 AND 12.



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7/25/17
PROFESSIONAL ENGINEER

SANDERSON RIDGE
PREPARED FOR
HUNGATE-FIELDS, LLC
VALLEY MAGISTERIAL DISTRICT
THE COUNTY OF BOTETOURT, VIRGINIA

NO.	DATE	DESCRIPTION

DATE: July 25, 2017
SCALE: 1" = 50'
COMMISSION NO.: 2016-003
SHEET 3 OF 14