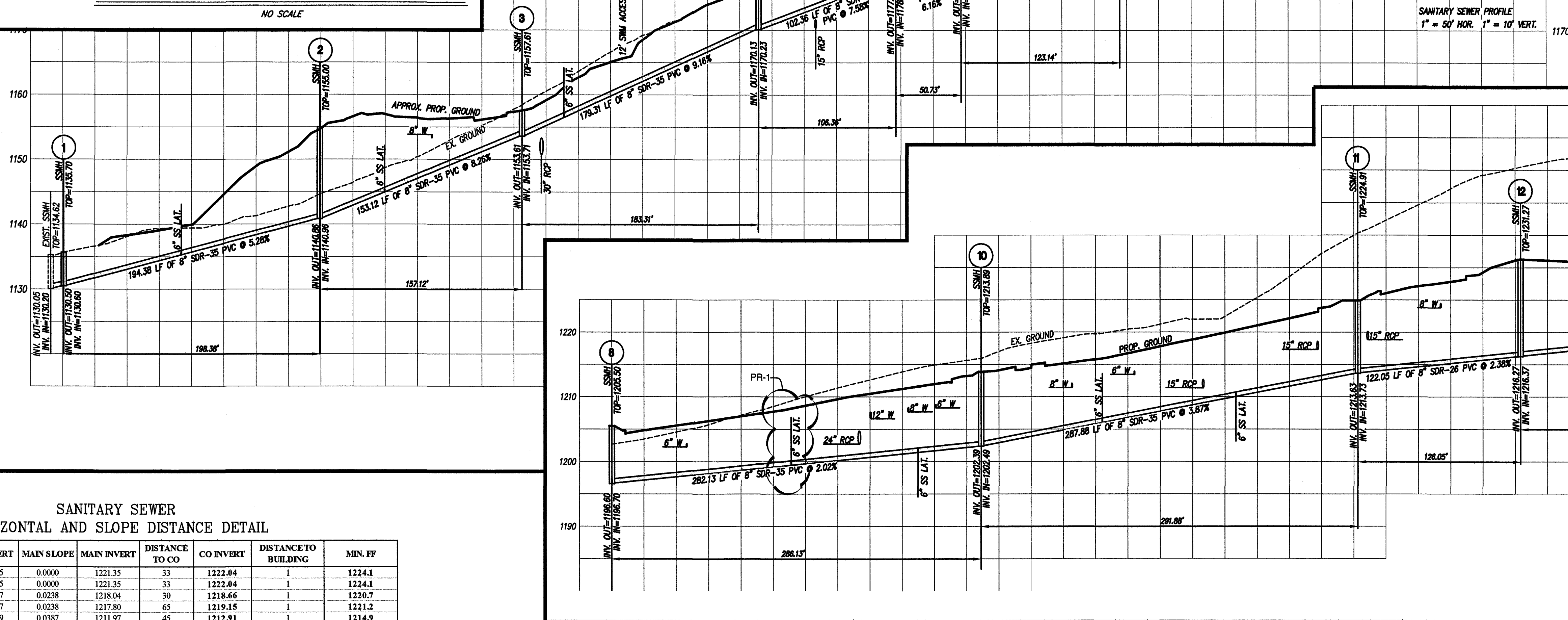
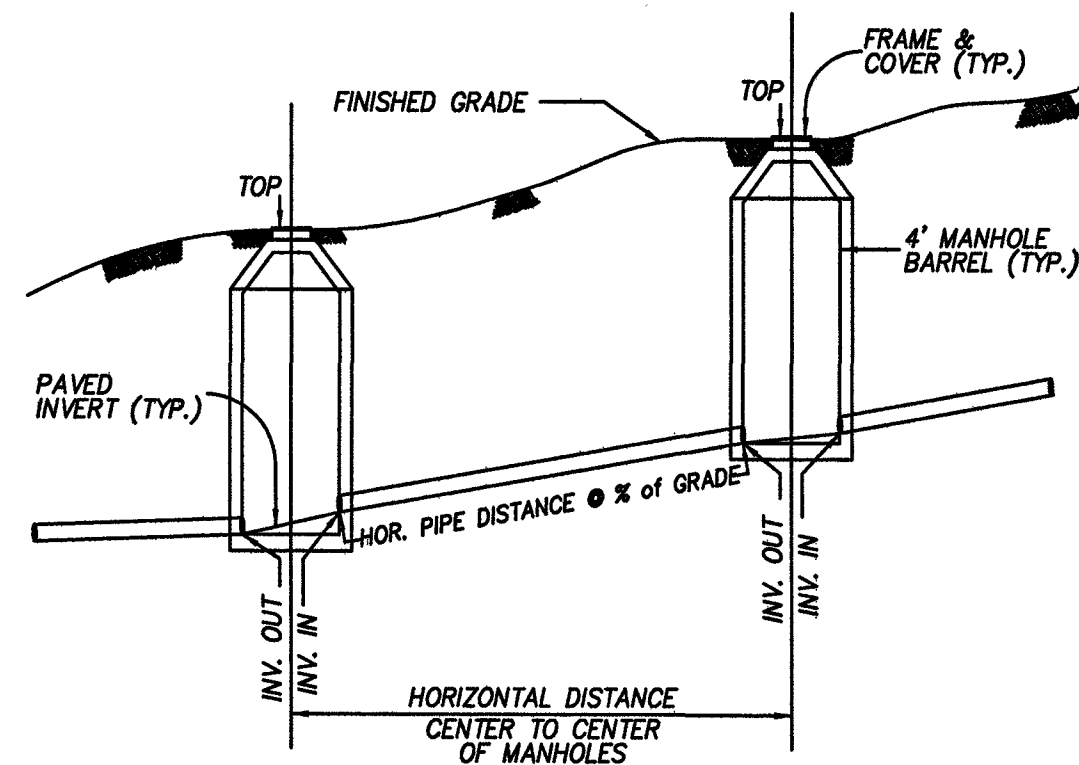
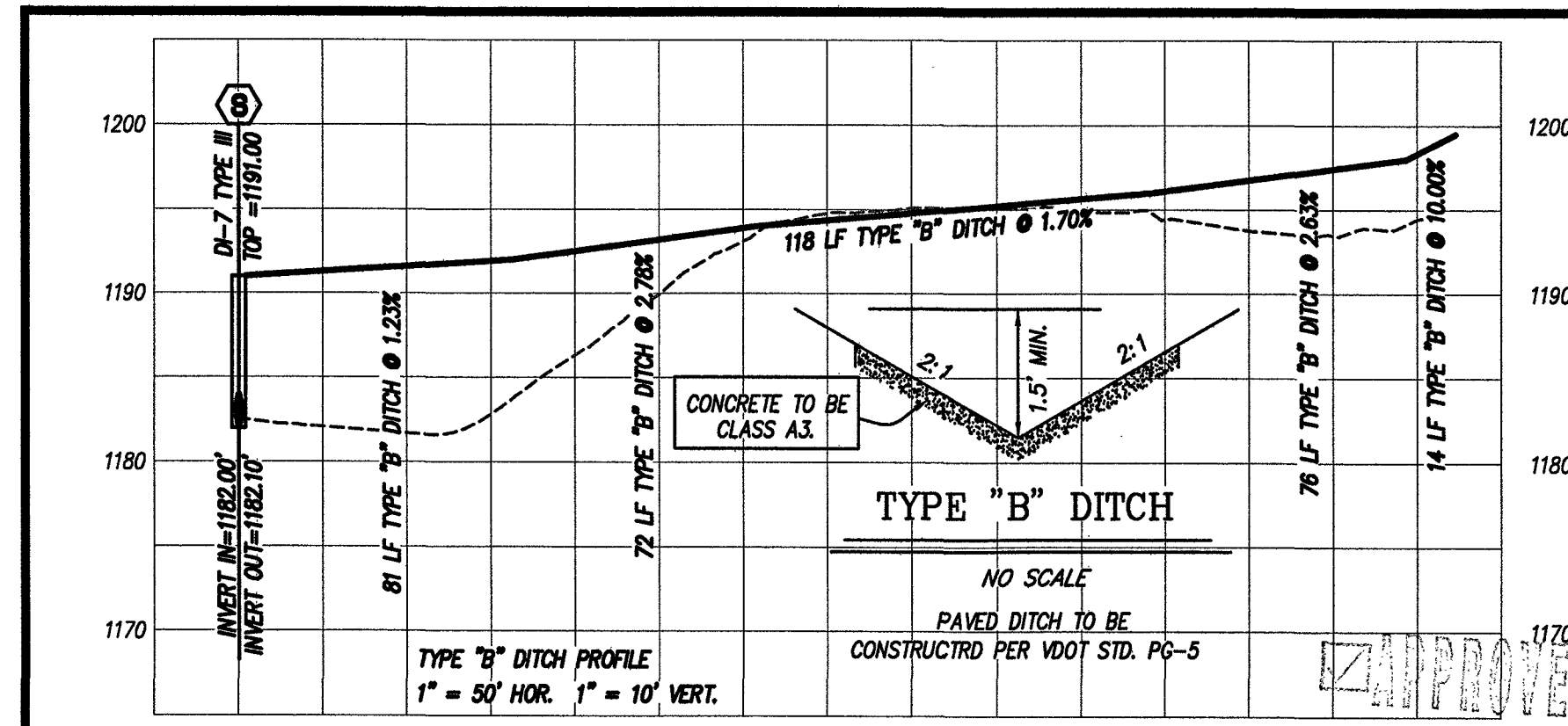
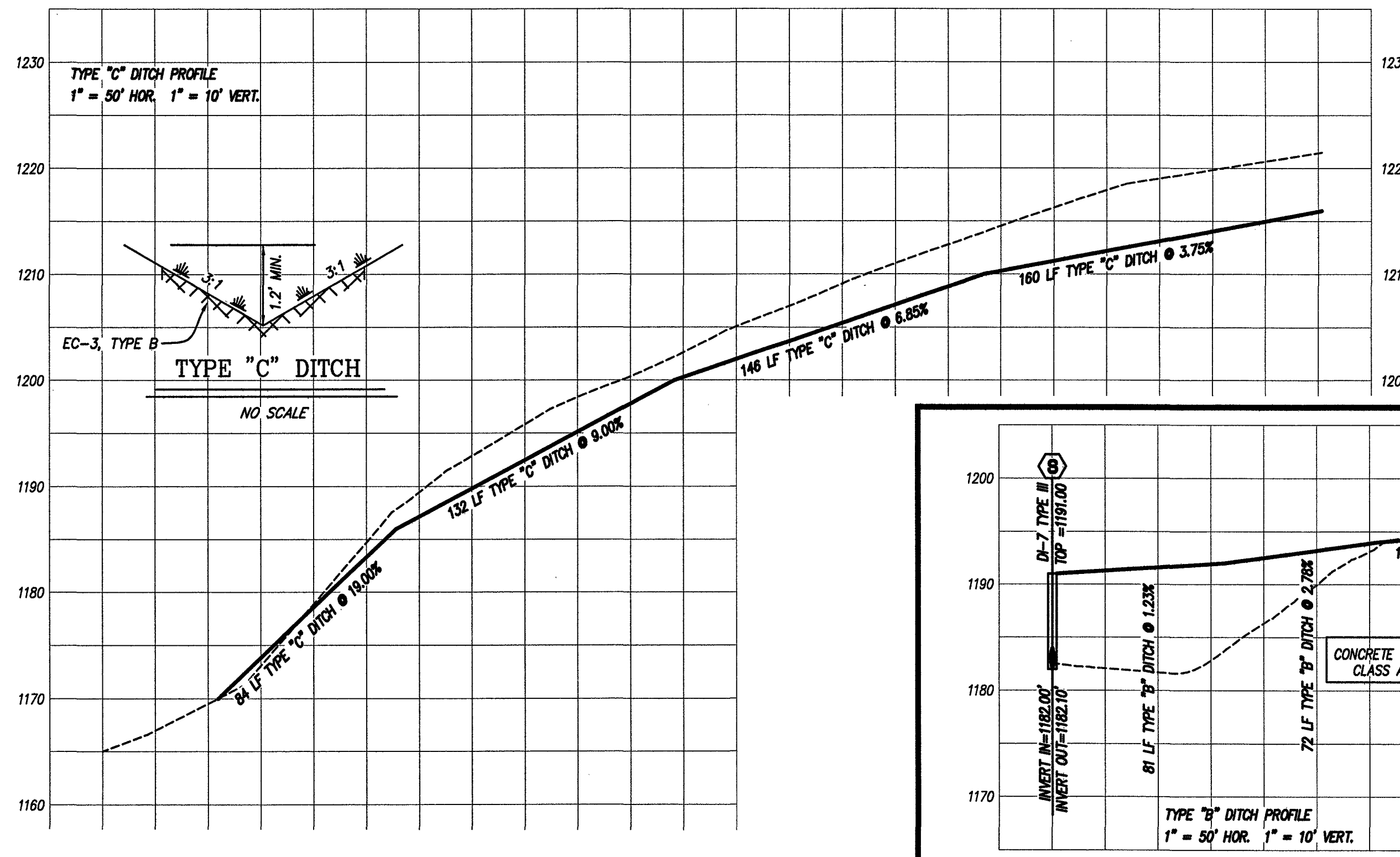
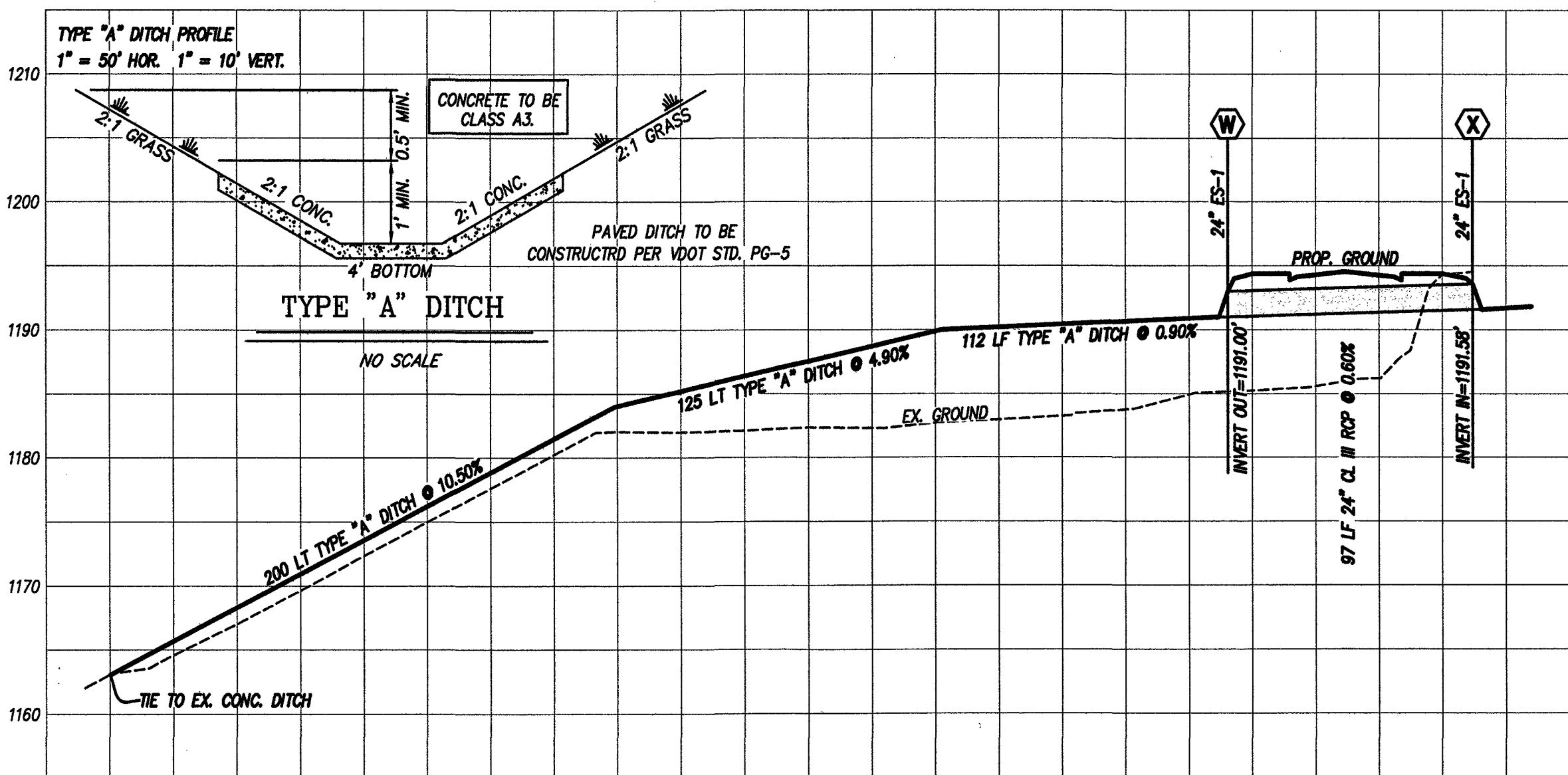
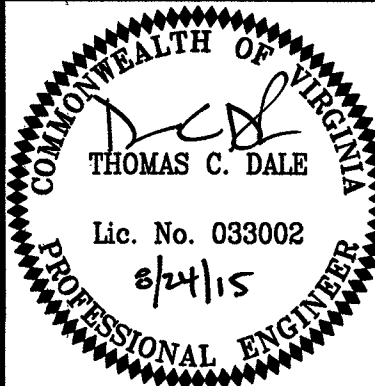
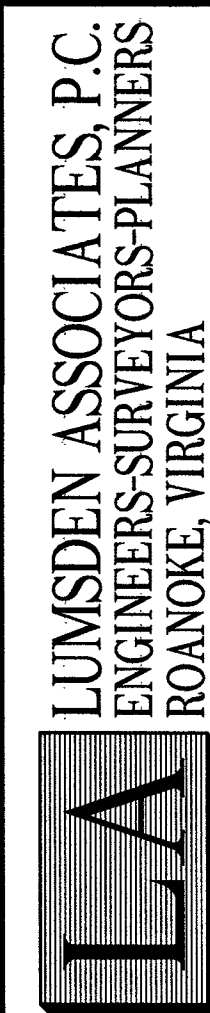




SANITARY SEWER HORIZONTAL AND SLOPE DISTANCE DETAIL								
BUILD.	DISTANCE FROM MH	MH INVERT	MAIN SLOPE	MAIN INVERT	DISTANCE TO CO	CO INVERT	DISTANCE TO BUILDING	MIN. FF
1	0	1221.35	0.0000	1221.35	33	1222.04	1	1224.1
2	0	1221.35	0.0000	1221.35	33	1222.04	1	1224.1
3	70	1216.37	0.0238	1218.04	30	1218.66	1	1220.7
4	60	1216.37	0.0238	1217.80	65	1219.15	1	1221.2
5	245	1202.49	0.0387	1211.97	45	1212.91	1	1214.6
6	100	1202.49	0.0387	1206.36	40	1207.19	1	1209.2
7	225	1196.70	0.0202	1201.25	34	1201.95	10	1204.2
8	35	1153.71	0.0916	1156.92	225	1161.60	15	1163.9
9	0	1145.83	0.0761	1145.83	10	1146.04	1	1148.1
10	0	1130.05	0.0000	1130.05	120	1132.55	1	1134.6
11	0	1117.37	0.0000	1117.37	80	1119.03	30	1121.7
12	0	1115.05	0.0000	1115.05	80	1116.71	1	1118.7
CLUB	135	1196.70	0.0202	1199.43	30	1200.05	5	1202.2



1. ALL WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 3.0 FEET OF COVER.
2. MAINTAIN A MINIMUM OF 18" CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER, AND STORM DRAIN CROSSINGS. WHERE THIS CLEARANCE CAN NOT BE ACHIEVED, CONCRETE PIERS SHALL BE UTILIZED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY'S WATER AND SANITARY SEWER STANDARDS.
3. SANITARY SEWER MAIN PIPE MATERIAL SHALL BE PVC, SDR-35, EXCEPT AS NOTED, OR APPROVED EQUIVAL.
4. NEW OFF-SITE WATERLINE MAIN PIPE MATERIAL SHALL BE DUCTILE IRON PIPE, CLASS 350 UNLESS OTHERWISE INDICATED, OR APPROVED EQUIV.
5. NEW ON-SITE WATERLINE MAIN PIPE MATERIAL SHALL BE C800 PVC DR14, UNLESS OTHERWISE INDICATED, OR APPROVED EQUIV.
6. ALL NEW DRAIN INLETS AND STORM DRAIN MANHOLES SHALL HAVE VDOT STD. 16-1 INLET SHAPING.
7. ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (VDOT STD. ST-1) INSTALLED.
8. SANITARY STRUCTS (VDOT STD. SL-1) ARE REQUIRED IN ALL DRAINAGE STRUCTURES WITH A DEPTH OF 12.0 FEET OR GREATER. THE SPACING OF THE SLABS SHOULD BE 4 TO 12 FEET WITH NO SAFETY SLAB LOCATED WITHIN 6 FEET FROM THE TOP OR BOTTOM OF THE STRUCTURE.



DITCH AND SANITARY SEWER PROFILES

**DEVELOPMENT PLAN FOR
THE RETREAT
PREPARED FOR
EDWARD ROSE DEVELOPMENT COMPANY, LLC
CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA**

REVISIONS		DESCRIPTION
NO.	DATE	
1	8/24/13	SEE FIELD REVISION TABLE ON SHEET NO. 2
2		
3		
4		
5		

DATE: October 10, 2013

SCALE: AS SHOWN

COMMISSION NO: 07-130

SHEET 20 OF 38