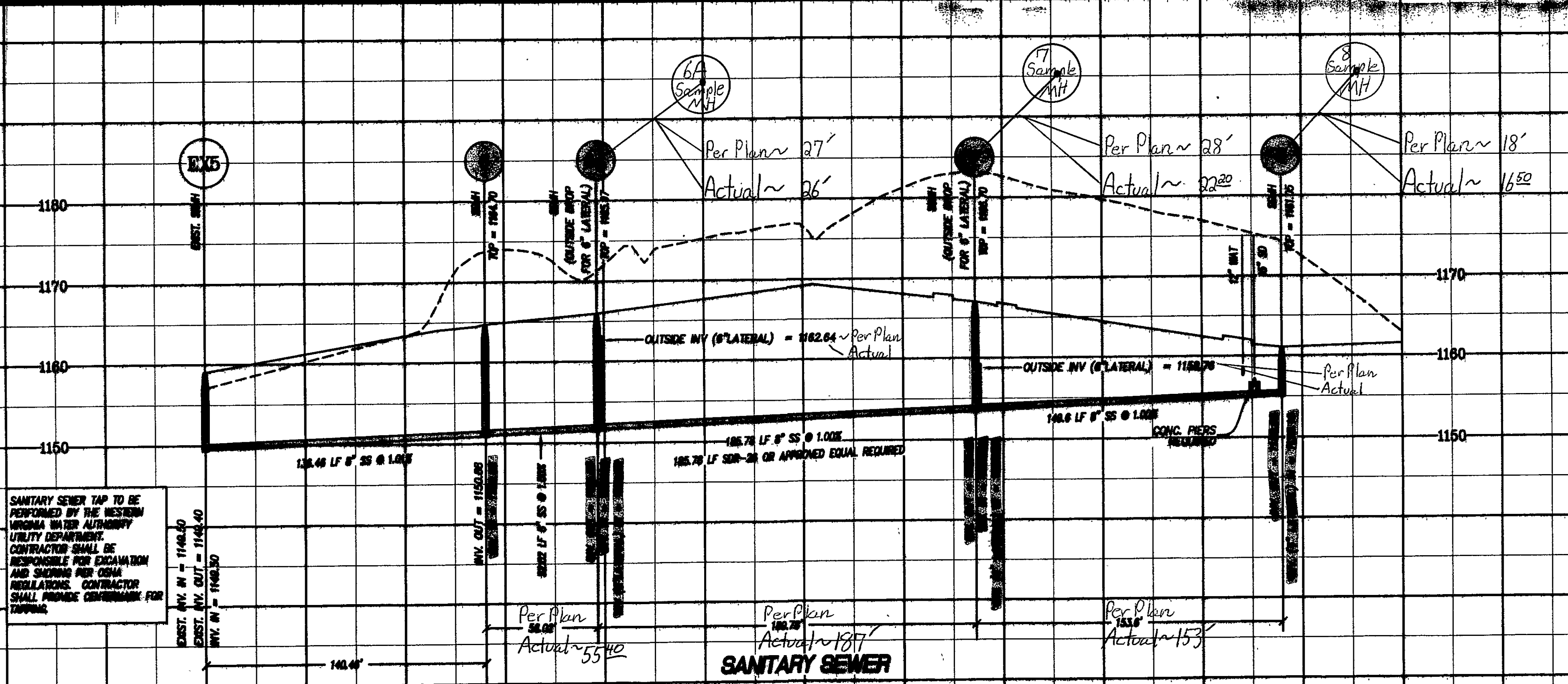


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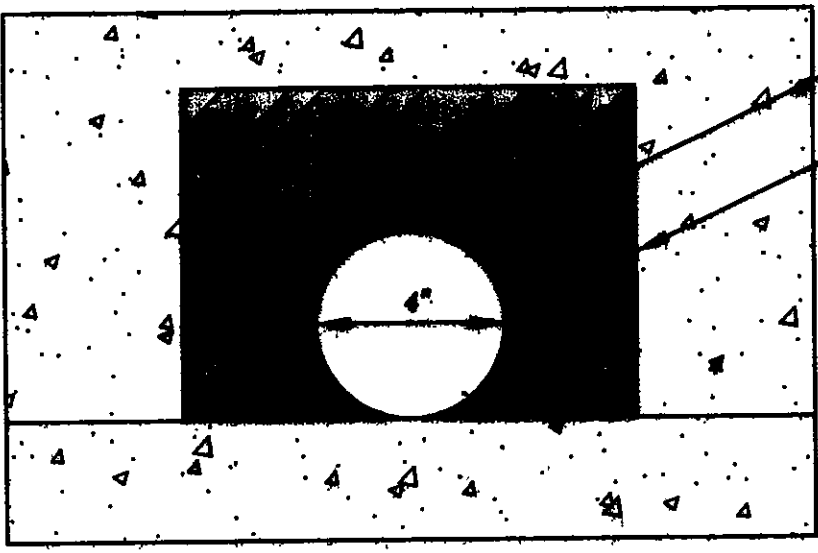


SANITARY SEWER TAP TO BE PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY UTILITY DEPARTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS. CONTRACTOR SHALL PROVIDE CONFORMANCE FOR TAPPING.

NOTES:

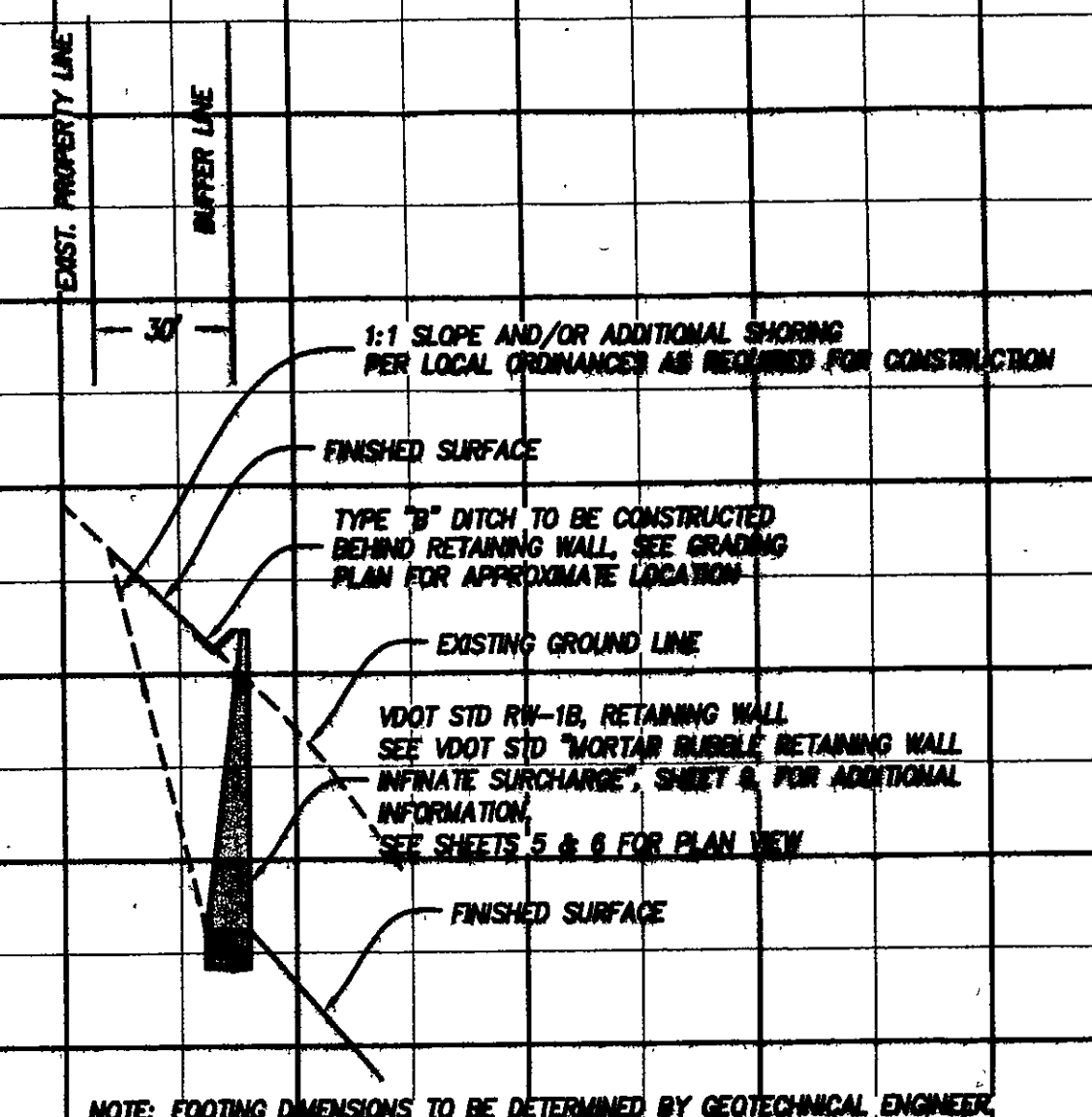
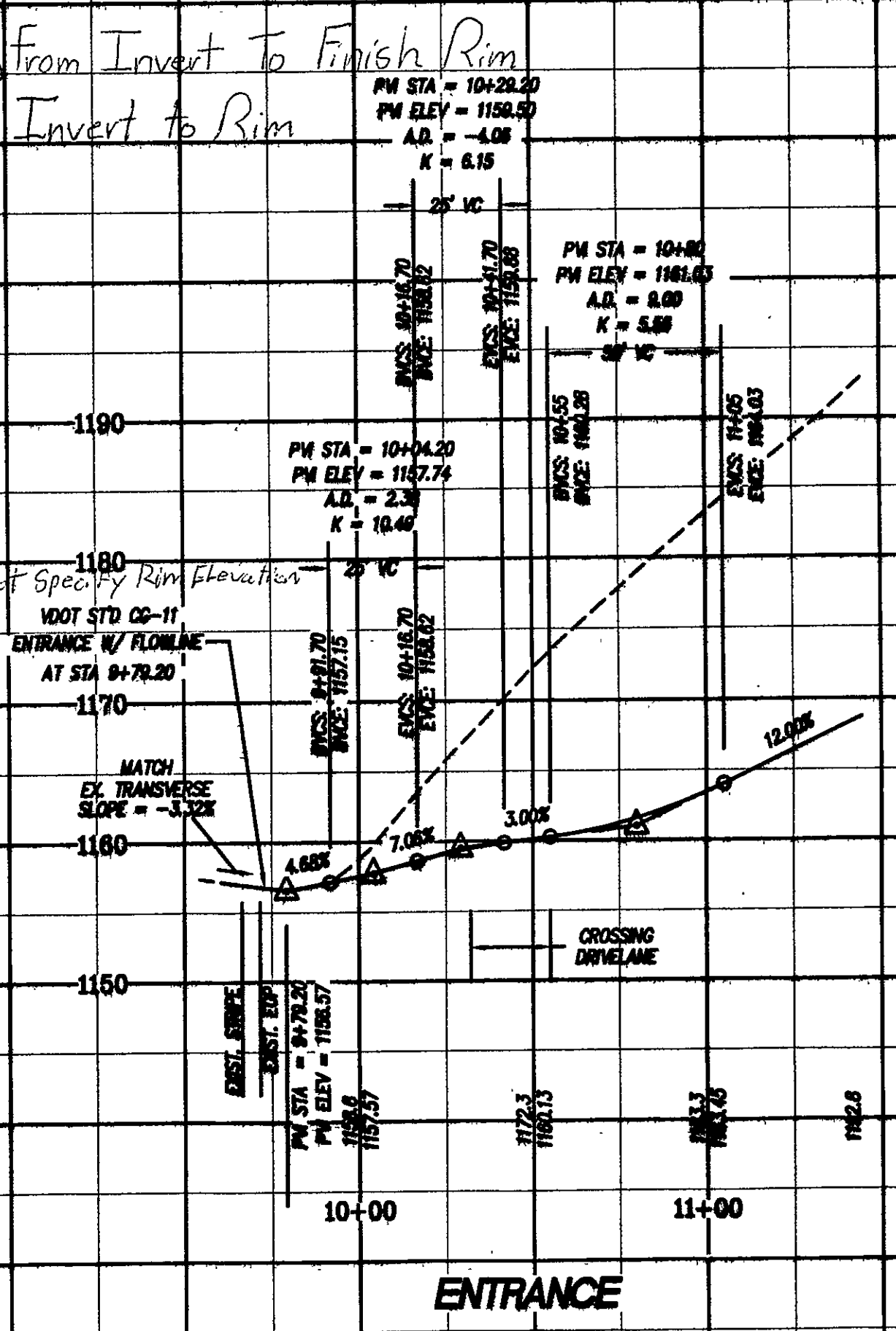
1. ALL WATER AND SANITARY SEWER LINES TO HAVE A MINIMUM OF 3.0 FEET OF COVER.
2. MAINTAIN A MINIMUM OF 18" CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER, AND STORM DRAIN CROSSINGS.
3. A WESTERN VIRGINIA WATER AUTHORITY INSPECTOR MUST BE ON SITE DURING INSTALLATION OF NEW MANHOLES AT, OR CONNECTIONS TO, BE IN AT EXISTING SANITARY SEWER LINES.
4. SANITARY SEWER LINE SHALL BE PVC SD-36 UNLESS OTHERWISE NOTED. WHERE SANITARY SEWER LINE DEPTH IS GREATER THAN 12 FEET SANITARY SEWER LINE SHALL BE SD-36, SD-36, OR DR-18.
5. WATER LINE SHALL BE C900, DR-14 UNLESS OTHERWISE NOTED. WATER LINE UNDER PAVEMENT SHALL BE DUCTILE IRON.
6. WATER LINE JOINTS SHALL BE MECHANICALLY RESTRAINED WHERE WATER LINE GRADE EXCEEDS 10%.
7. SANITARY SEWER CONNECTION TO EXISTING MANHOLE(S) SHALL BE EXCAVATED BY THE CONTRACTOR AND CENTERMAINTAINED FOR TAPPING. TAP TO BE PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY AT THE CONTRACTOR'S EXPENSE.
8. ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (VOOT STD. ST-1) INSTALLED.
9. SAFETY SLABS (VOOT 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 8 TO 12 FEET WITH NO SAFETY SLAB LOCATED WITHIN 6 FEET FROM THE TOP OR BOTTOM OF THE STRUCTURE.

SANITARY SEWER LINE TABLE			
LINE	STARTING	ENDING	LENGTH
126.46	S 89°17'10" E	140.00	13.54
140.00	S 89°17'10" E	140.00	0.00
140.00	S 89°17'10" E	140.00	0.00



TEMP. SWM POND/BEDMENT TRAP 'ST'
EW-1 WITH RESTRICTOR PLATE
NO SCALE

Per Plan MH Depth From Invert to Finish Rim	
Actual MH Depth, Invert to Rim	
6A	~14'47"
6A Sample	~3'75"
7	~13'47"
7 Sample	~6'95"
8	~5'47"
8 Sample	~5'35"



RETAINING WALL
SECTION A-A

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B. LEE HENDERSON, JR.
No. 17591
PROFESSIONAL ENGINEER

**WEST VILLAGE
PHASE II**
PREPARED FOR
WEST VILLAGE, L.L.C.
CAVE SPRING MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS	
NO.	DATE
1	8/03/06
2	
3	
4	
5	

DATE: February 27, 2006
SCALE: 1" = 40'
COMMISSION NO: 2004-230
SHEET 7 OF 12