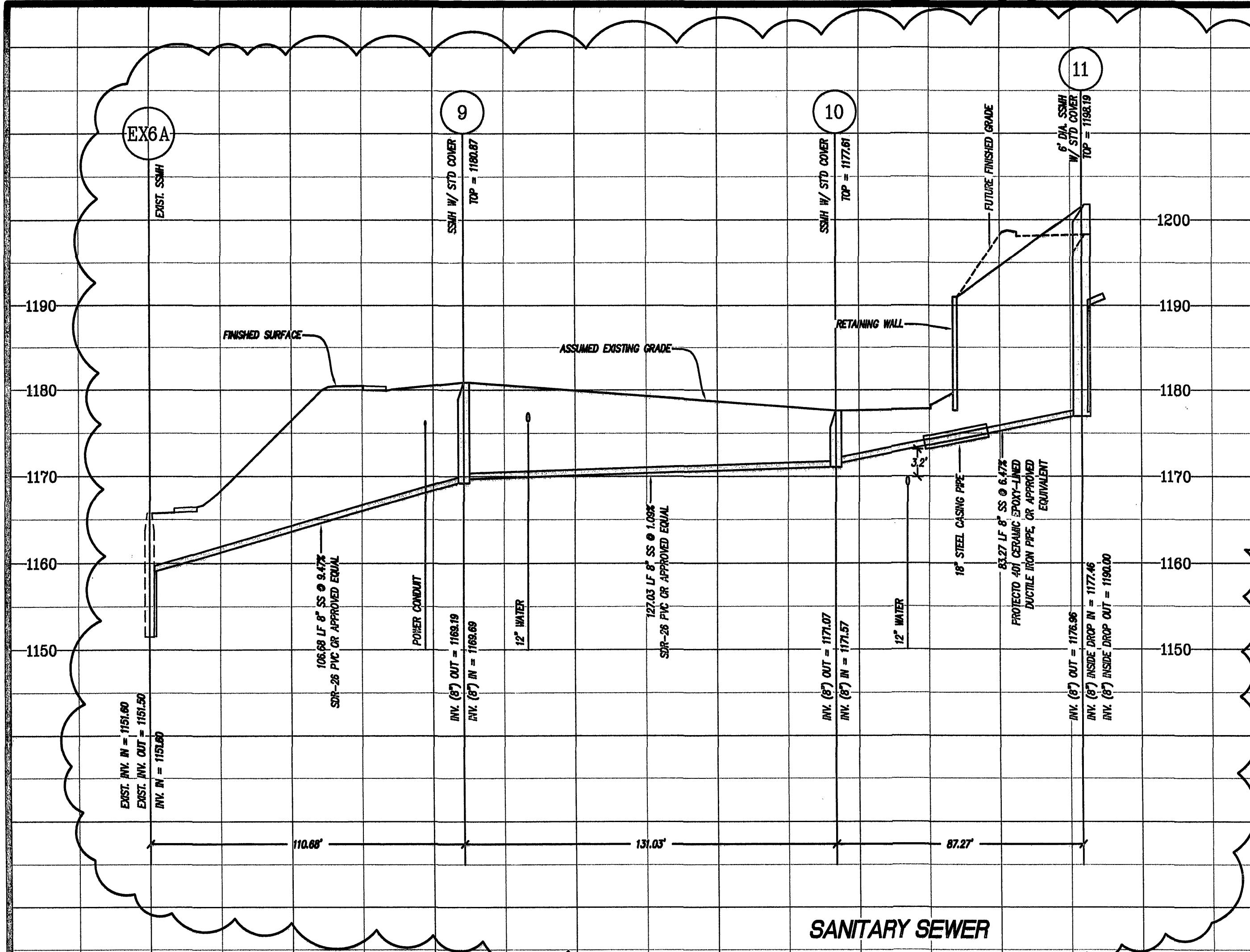
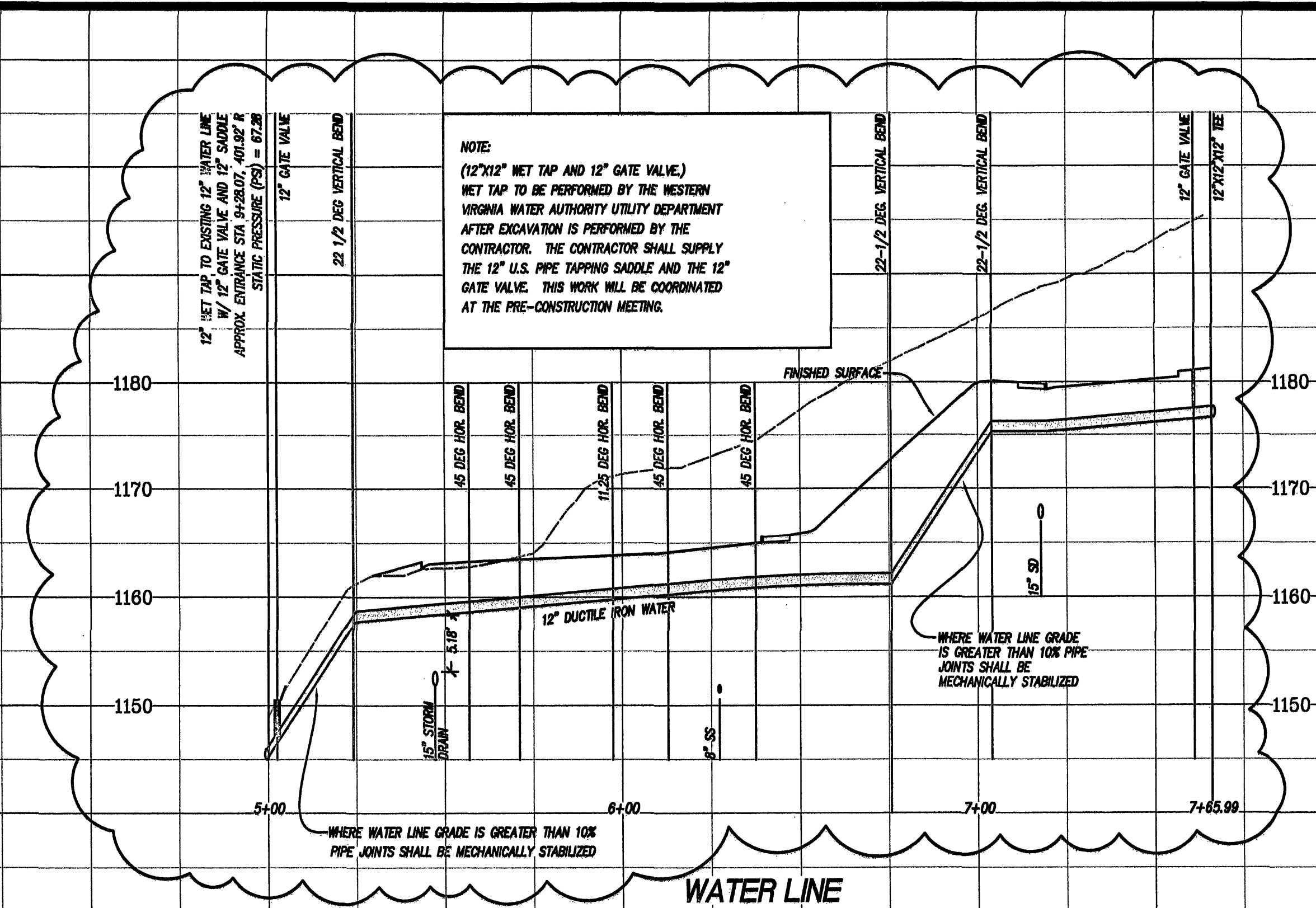
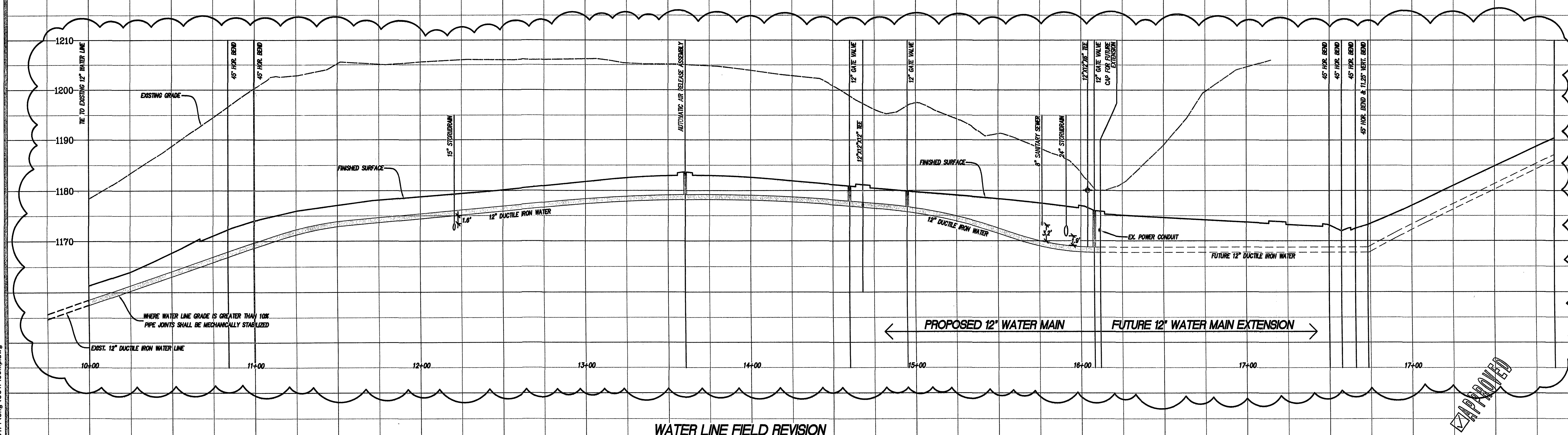




LINE	BEARING	DISTANCE
11 - 10	N 31°04'44" E	87.27'
10 - 9	S 88°35'16" E	131.03'
9 - EX6A	N 31°04'44" E	110.68'



- UTILITY AND STRUCTURE 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, OR IN, AT EXISTING SANITARY SEWER LINES.
 4. SANITARY SEWER LINE SHALL BE PVC, SDR-35 UNLESS OTHERWISE NOTED. SANITARY SEWER LINES AT DEPTHS 12" OR GREATER SHALL BE SDR-26, OR SDR-21, OR CONCRETE ENCASED SDR-35.
 5. WATER LINE SHALL BE C900, DR-14 UNLESS OTHERWISE NOTED.
 6. WATER LINE JOINTS SHALL BE MECHANICALLY RESTRAINED WHERE WATER LINE GRADE EXCEEDS 10%.
 7. SANITARY SEWER CONNECTION TO EXISTING MANHOLE SHALL BE EXCAVATED BY THE CONTRACTOR AND CENTERMARKED FOR TAPPING. TAP TO BE PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY AT THE CONTRACTOR'S EXPENSE.
 8. ALL DROP INLETS SHALL HAVE IS-1 SHAPING.
 9. ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (NOT STD. ST-1) INSTALLED.
 10. SAFETY SLABS (NOT 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 8 FEET FROM THE TOP OR BOTTOM OF THE STRUCTURE.



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B. LEE HENDERSON
No. 17591
PROFESSIONAL ENGINEER

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

NO.	DATE	DESCRIPTION
1	7/8/09	REUSE SANITARY SEWER & WATER
2		
3		
4		
5		

DATE: December 13, 2006
SCALE: (V) 1:10, (H) 1:30
COMMISSION NO.: 06-171
SHEET 12 OF 16