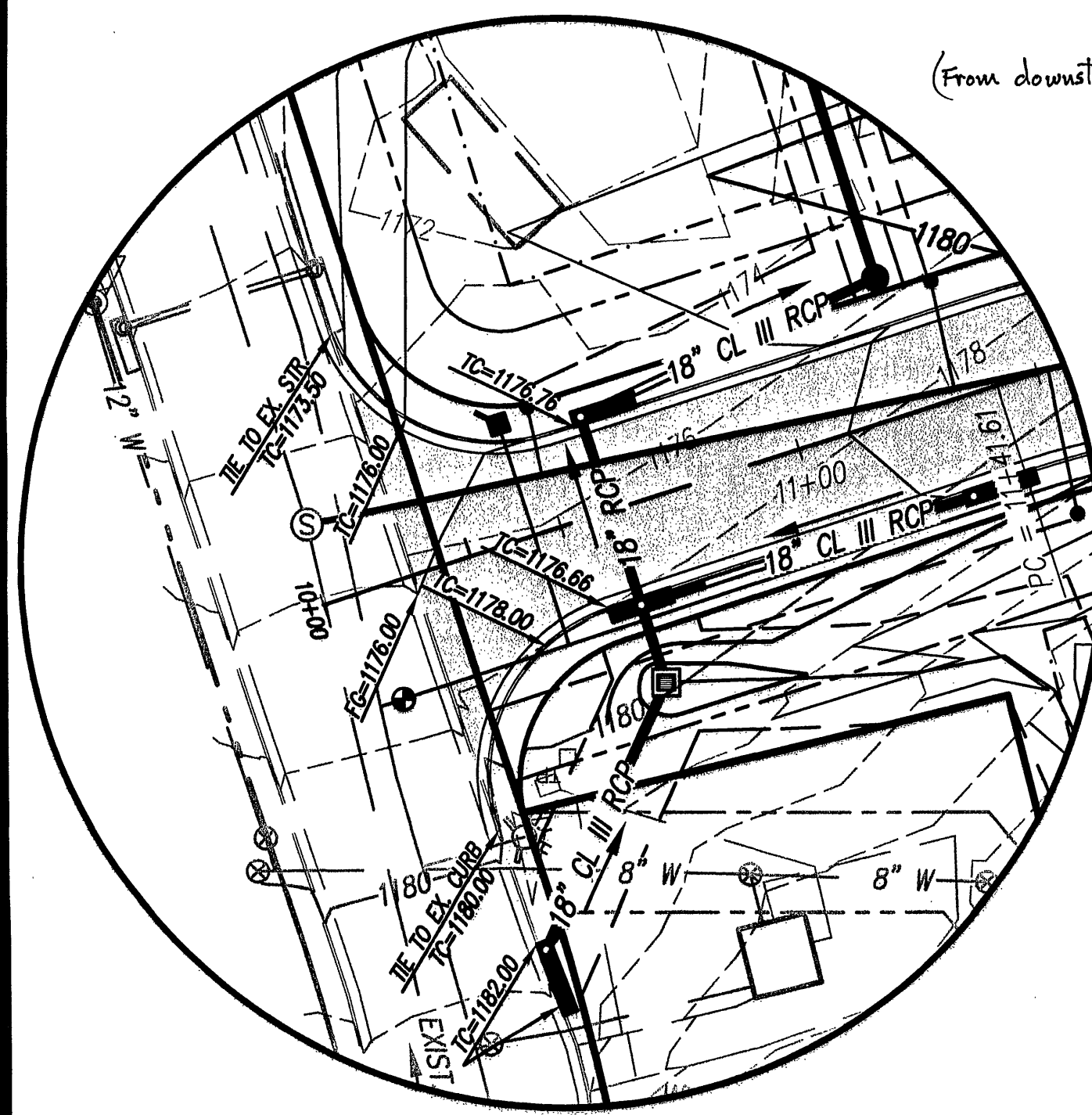
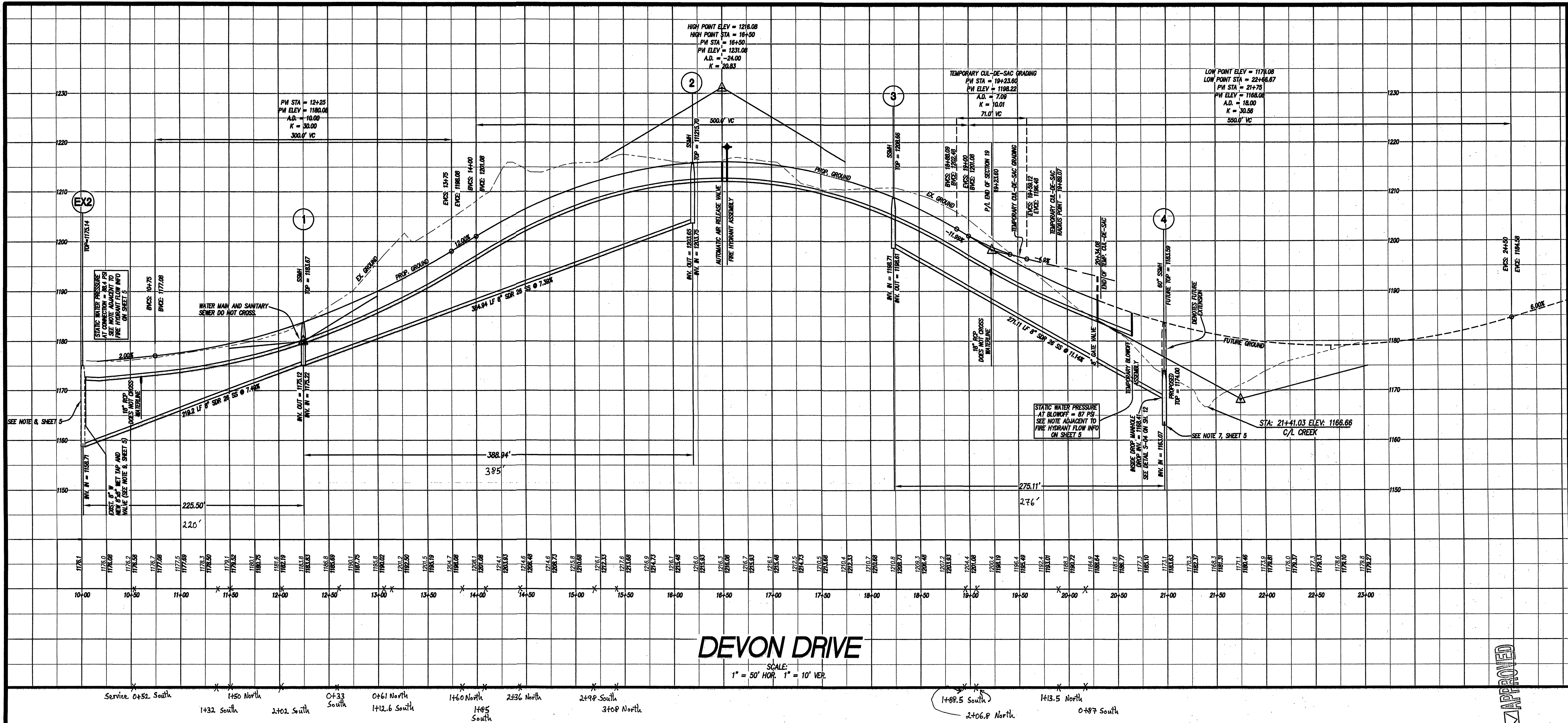




INTERSECTION DETAIL
SCALE: 1" = 20'

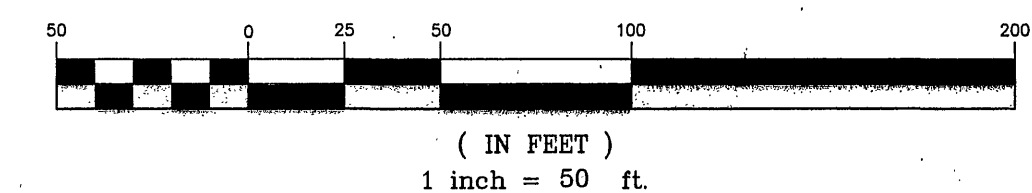
Fire Hydrant
To Valve 41'
Air Release To Valve 4'

D.I. South
115'
D.I. North 110' 8" H₂O valve

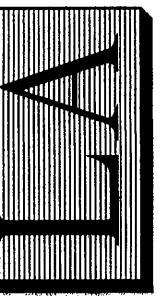
NOTES:

- ALL WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 3.0 FEET OF COVER.
- 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.
- SANITARY SEWER LINE MATERIAL SHALL BE PVC, SDR-26, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- WATER LINE MAIN PIPE MATERIAL SHALL BE C900, DR-14, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- ALL DROP INLETS SHALL HAVE VDOT STD. IS-1, INLET SHAPING.
- ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (VDOT STD. ST-1) INSTALLED.
- SAFETY SLABS (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 8 TO 12 FEET WITH NO SAFETY SLAB LOCATED WITHIN 6 FEET FROM THE TOP OR BOTTOM OF THE STRUCTURE.

GRAPHIC SCALE



LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA



THOMAS C. DALE
Lic. No. 033002
PROFESSIONAL ENGINEER
5/1/08

ROAD, WATER,
AND SANITARY
SEWER PROFILES

APPLEWOOD, SECTION No. 19

"THE ORCHARDS"
PREPARED FOR

F. & W. COMMUNITY
DEVELOPMENT CORPORATION
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

DATE: MAY 5, 2008

SCALE: 1" = 50'

COMMISSION NO: 07-230

SHEET 8 OF 13

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As-Built 2.27.09 K.Winslow