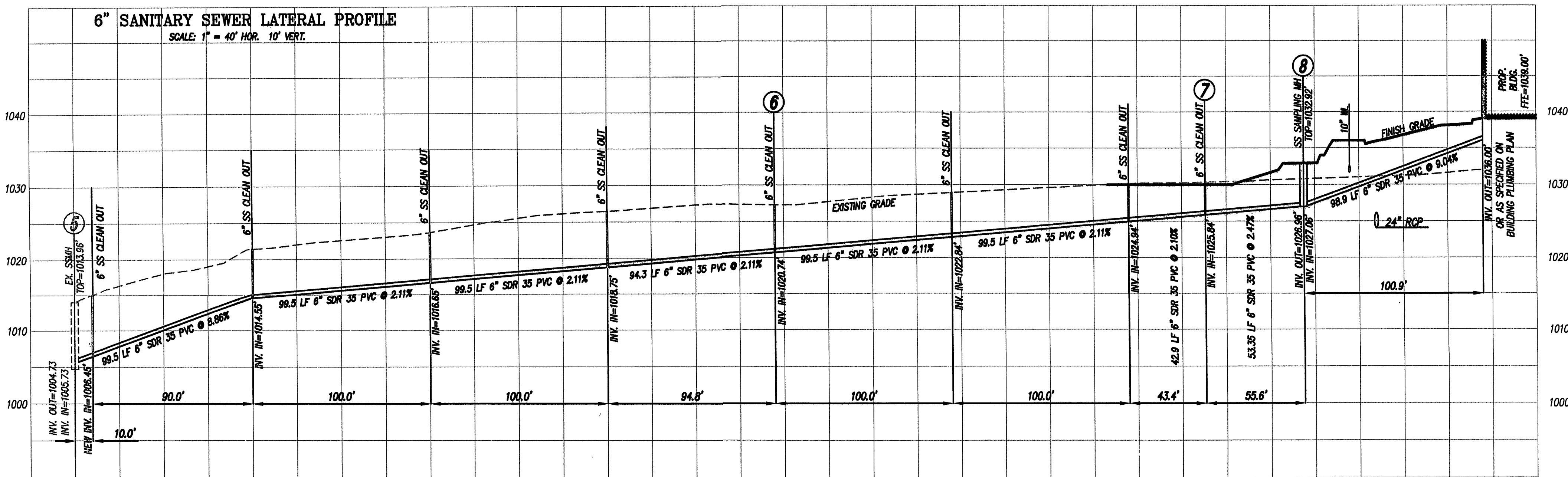
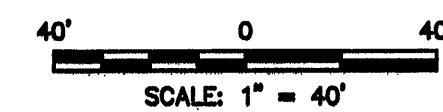
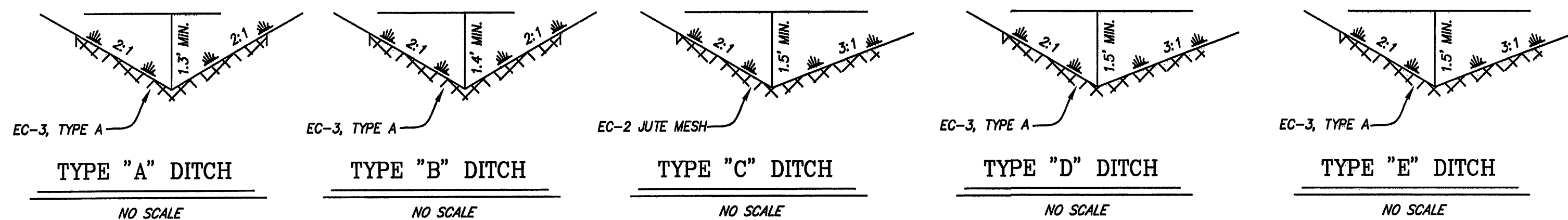
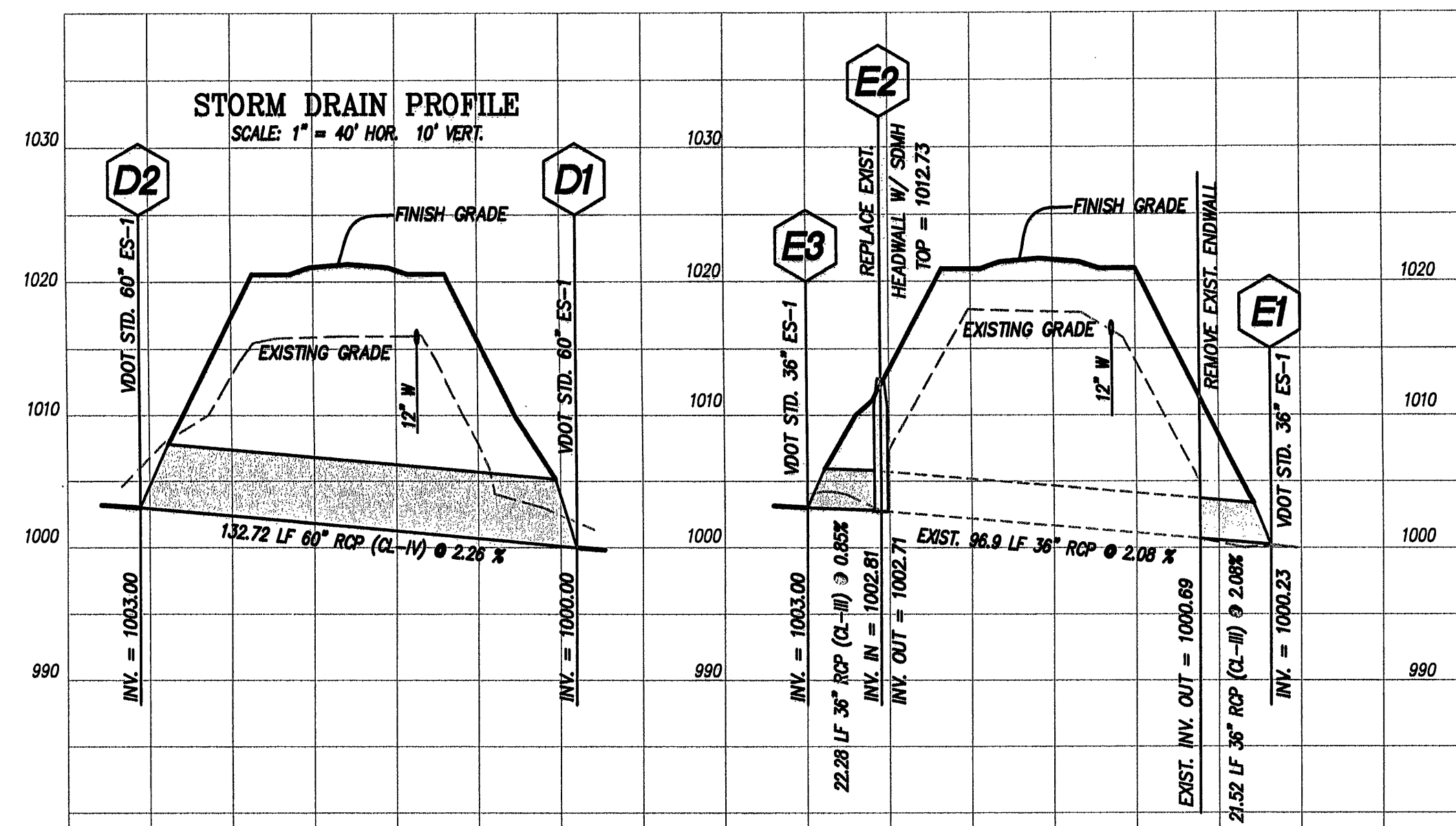
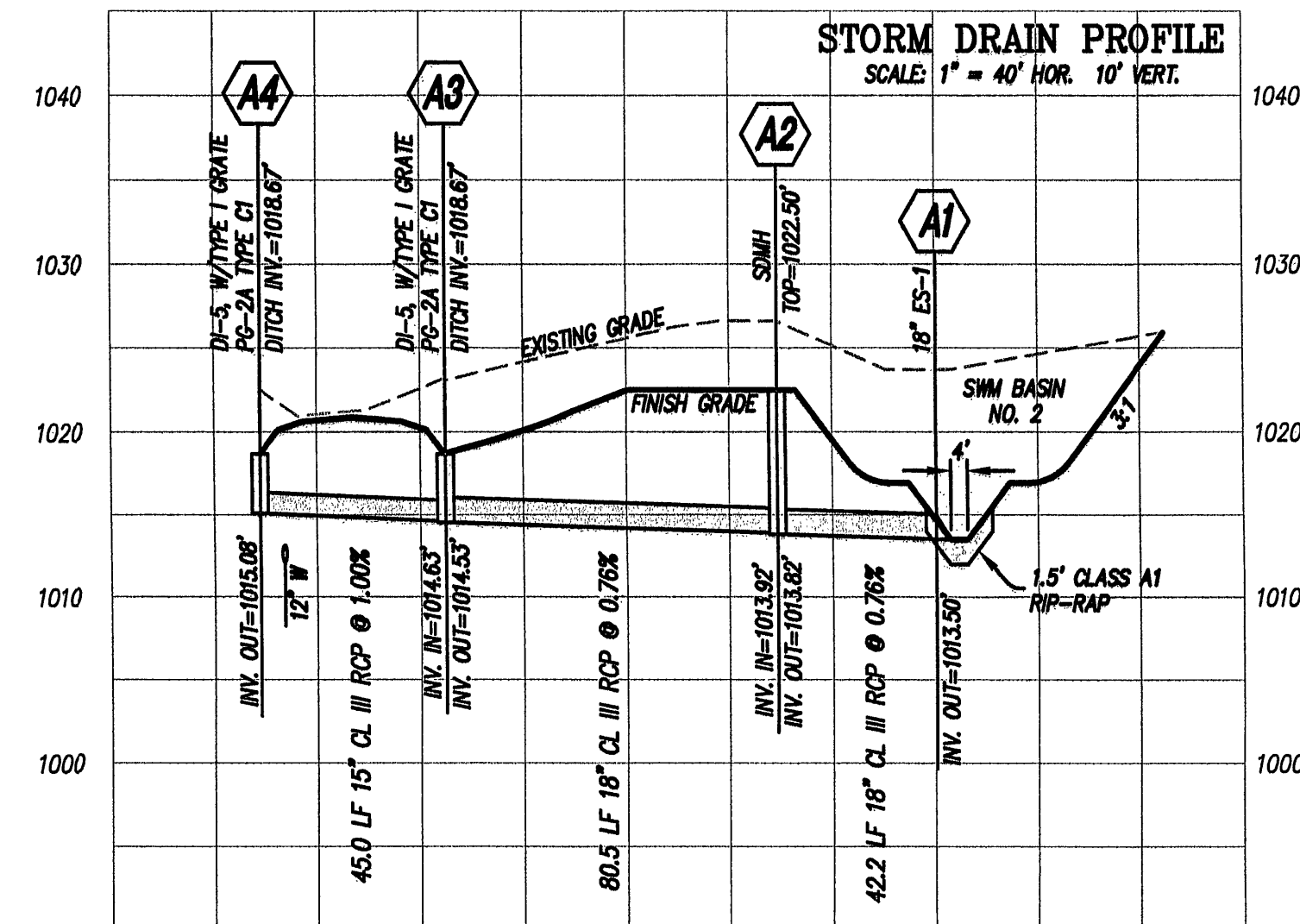
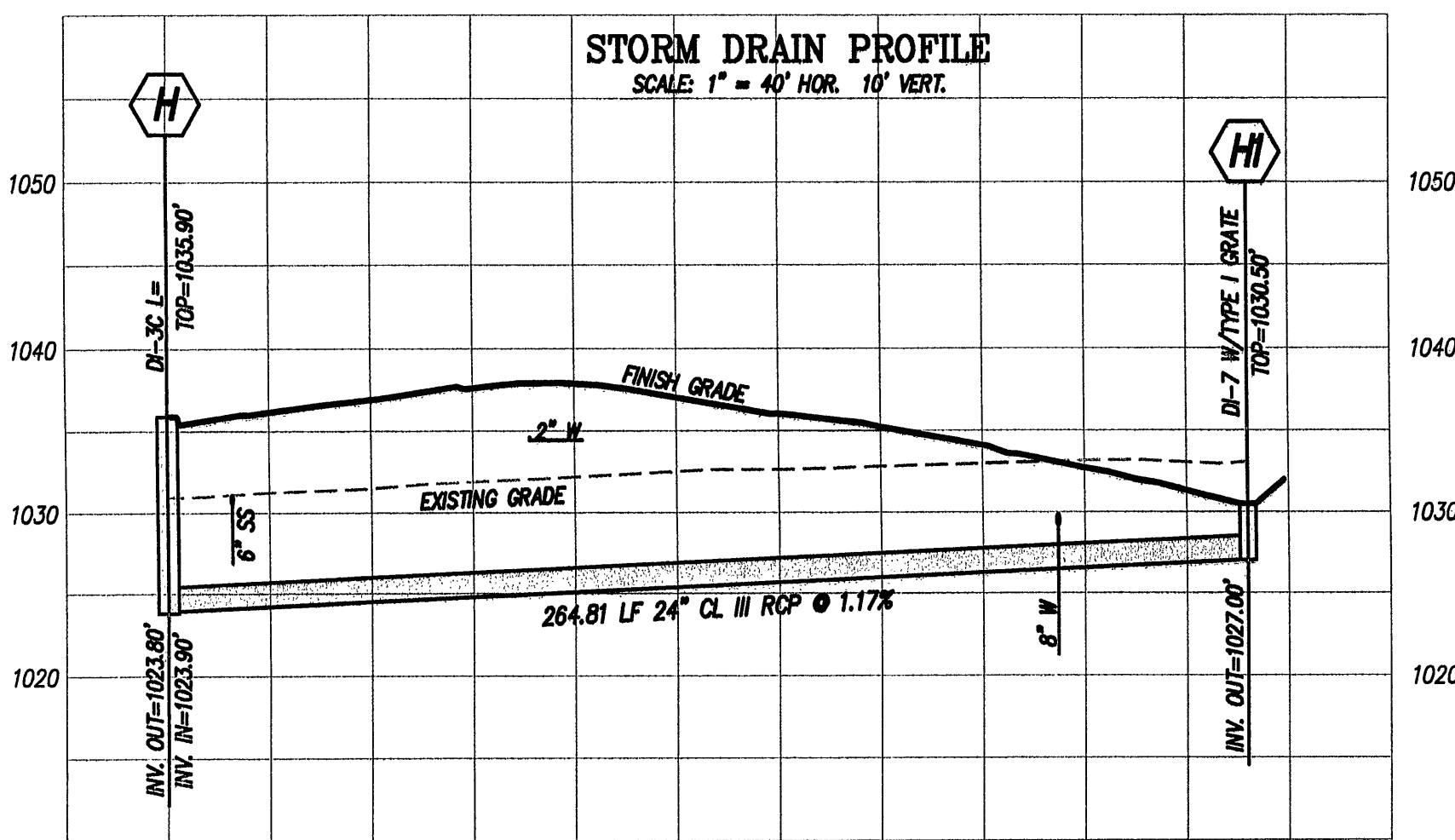
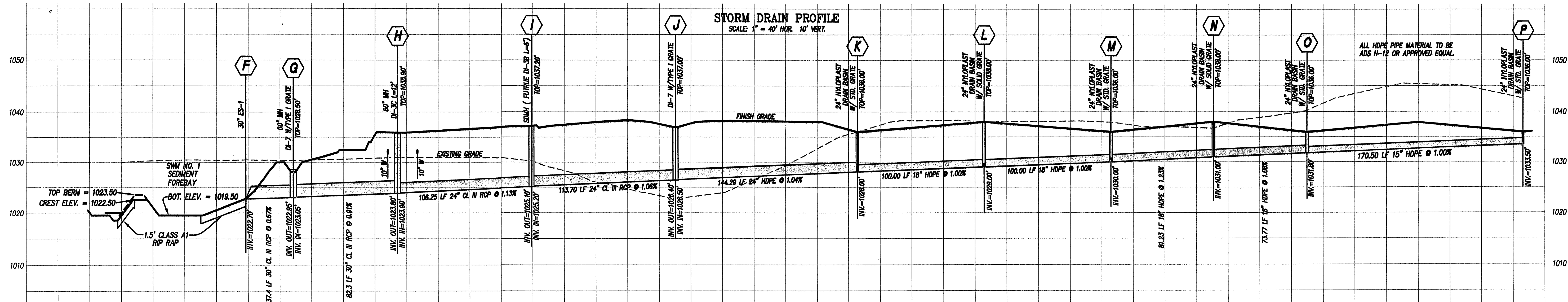
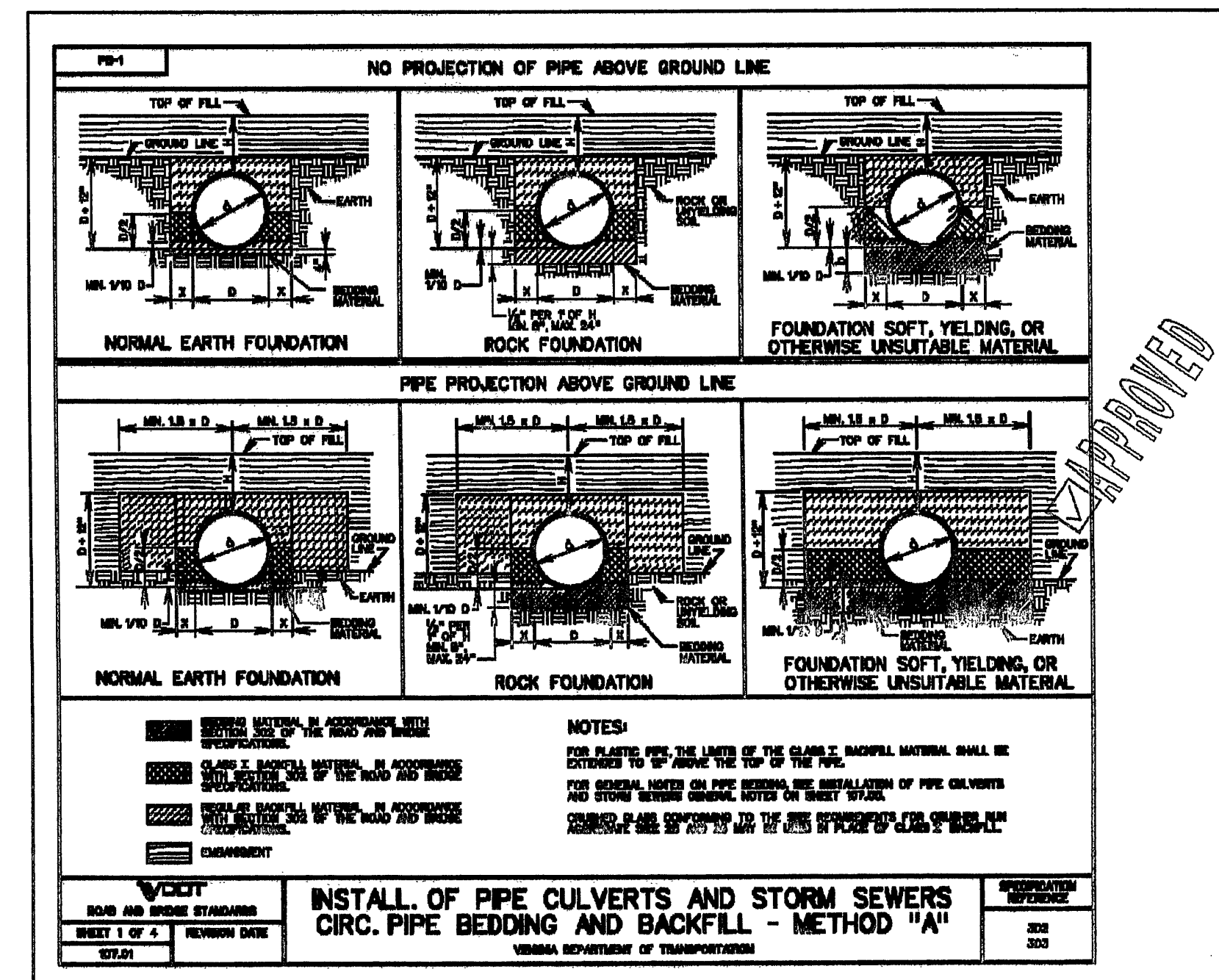


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NOTES:

- 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 CANNOT BE ACHIEVED, CONCRETE PIERS SHALL BE UTILIZED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY'S WATER AND SANITARY SEWER STANDARDS.
- SANITARY SEWER MAIN PIPE MATERIAL SHALL BE PVC, SDR-35, EXCEPT AS NOTED, OR APPROVED EQUAL.
- WORKING PRESSURE OF EXISTING 12" WATER MAIN ALONG HOLLIS ROAD AT PROPOSED CONNECTION IS LESS THAN 100 PSI. NEW WATER LINE MAIN PIPE MATERIAL SHALL BE C900 PVC DRI4, UNLESS OTHERWISE INDICATED, OR APPROVED EQUAL.
- ALL NEW DROP INLETS AND STORM DRAIN MANHOLES SHALL HAVE VDOT STD. 15-1, 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.



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

COMMONWEALTH OF VIRGINIA
9-29-10
B. LEE HENDERSON JR.
Lic. No. 017569
PROFESSIONAL ENGINEER

STORM DRAIN & SANITARY SEWER LATERAL PROFILE

DEVELOPMENT PLAN FOR AMERICAN TIRE DISTRIBUTORS ROANOKE, VIRGINIA
PREPARED FOR PINECREST DEVELOPMENT COMPANY
ROANOKE CITY & COUNTY, VIRGINIA

REVISIONS	DESCRIPTION
NO.	DATE
1	
2	
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5	

DATE: September 29, 2010
SCALE: AS SHOWN
COMMISSION NO.: 2010-019
SHEET 11 OF 20