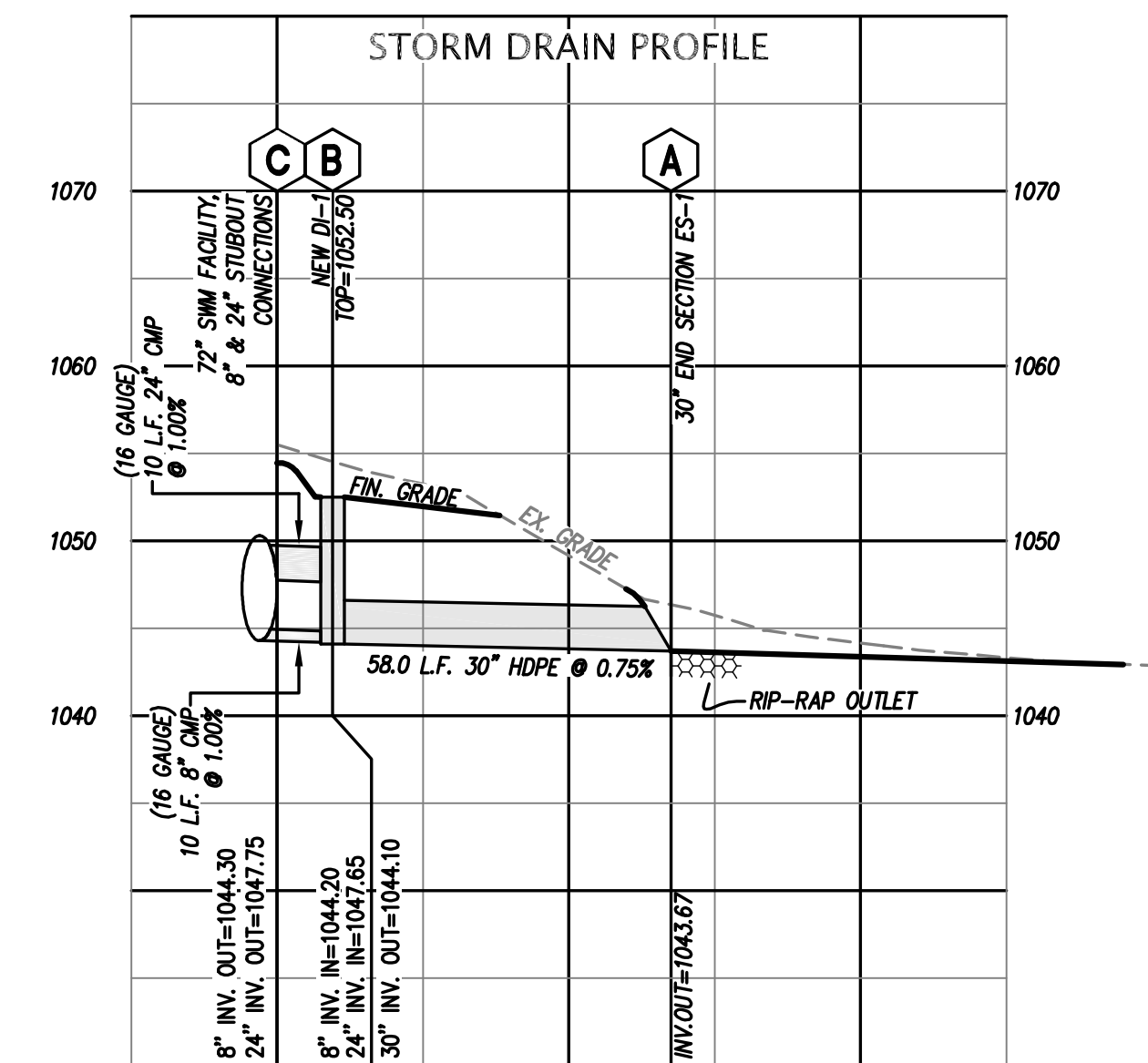
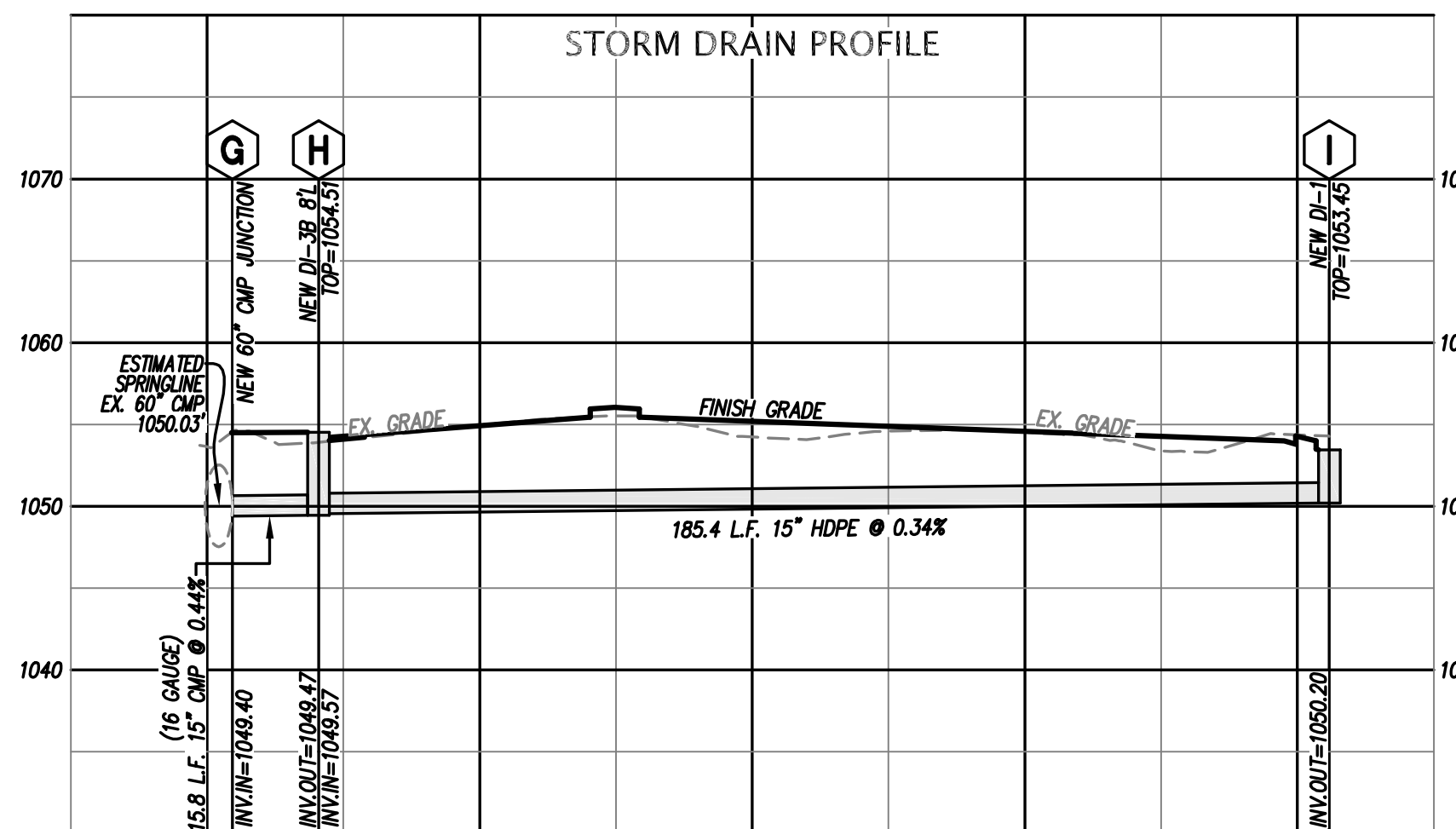
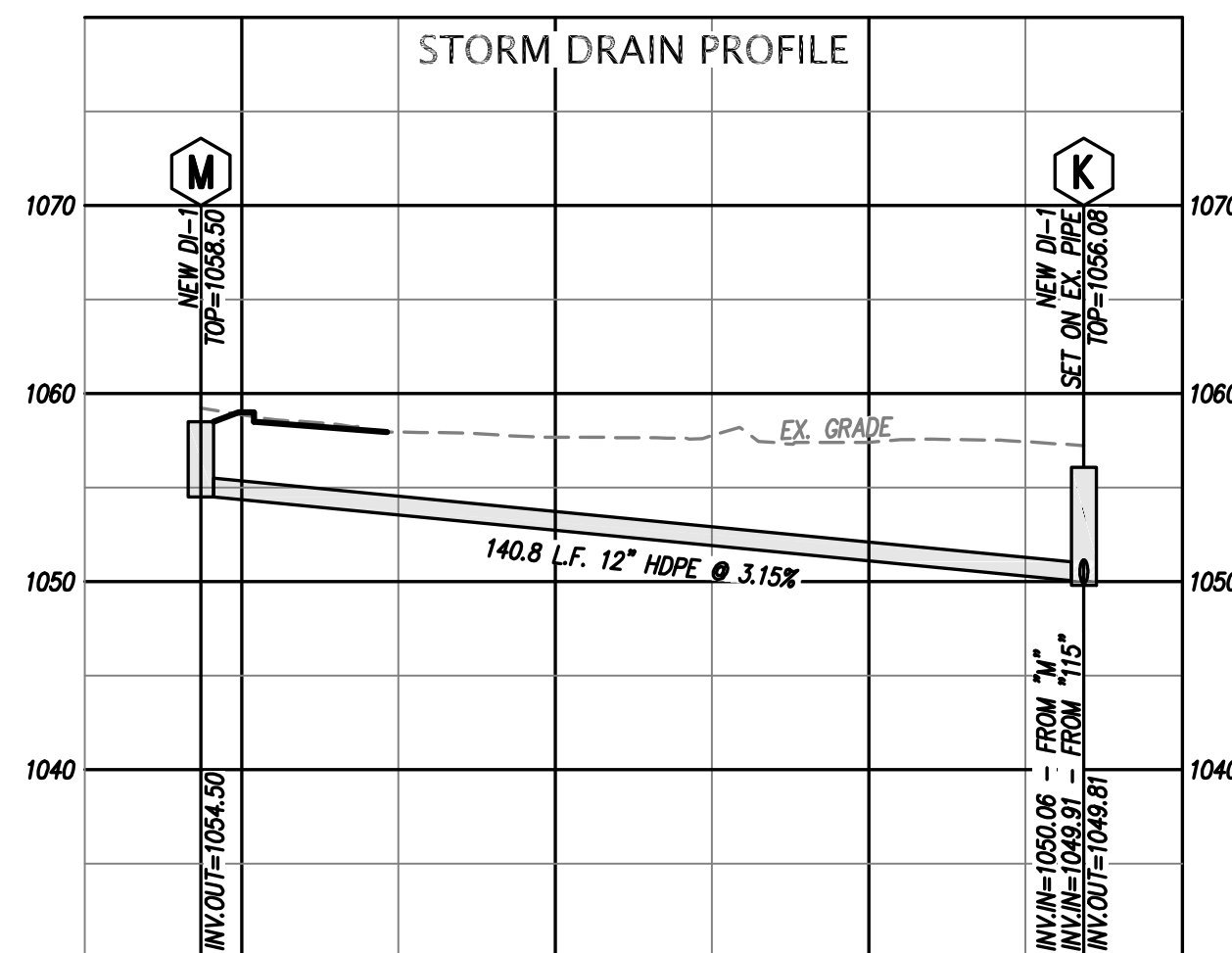
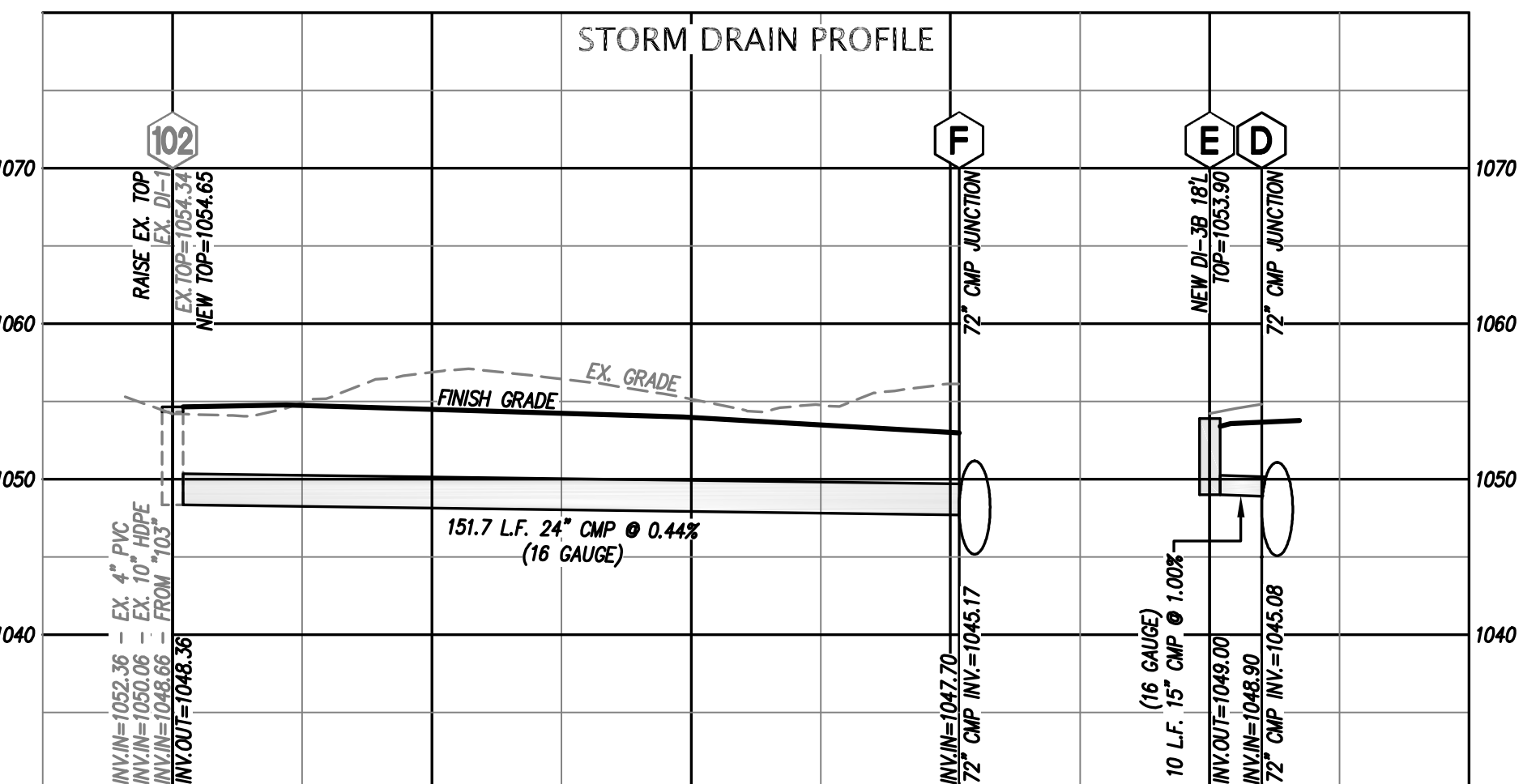
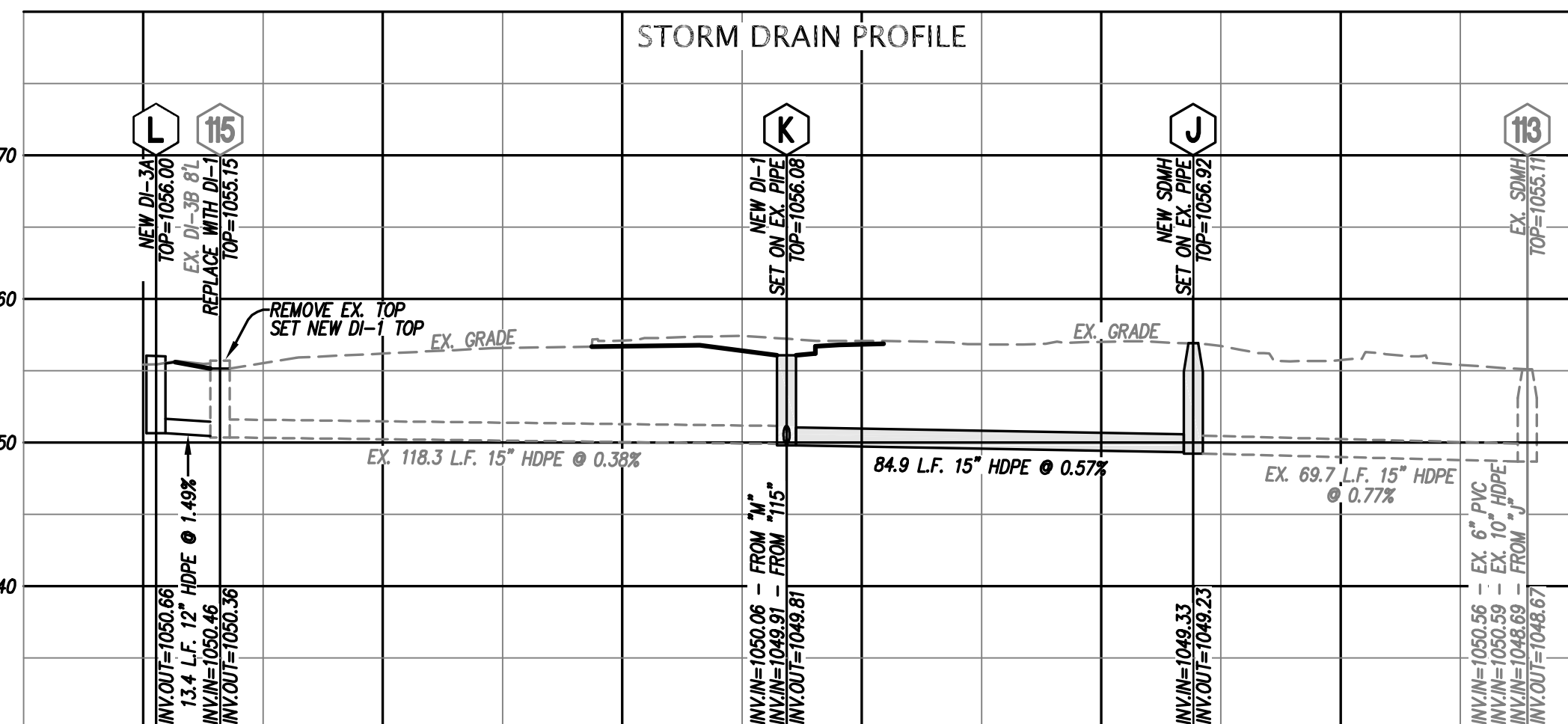
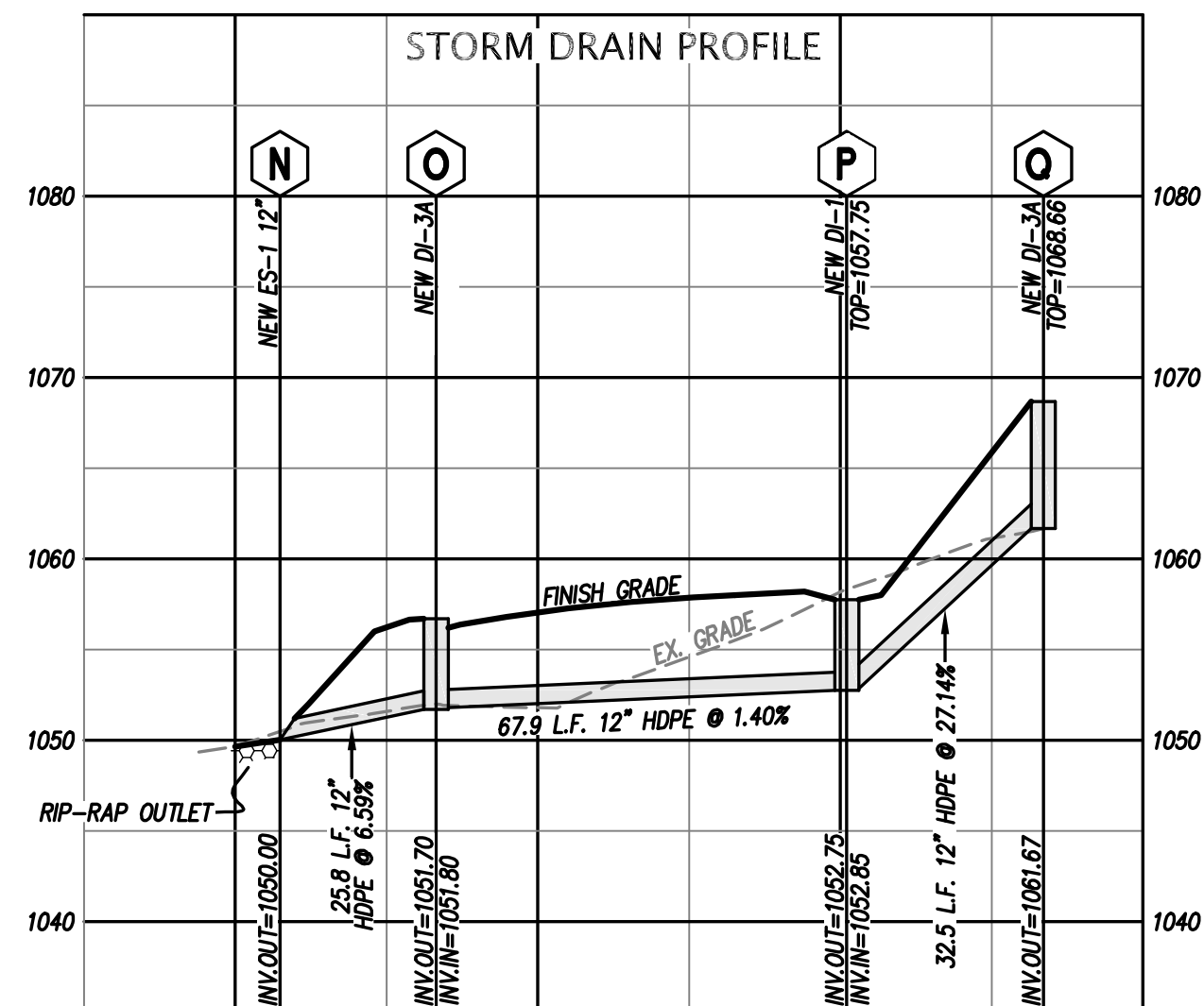


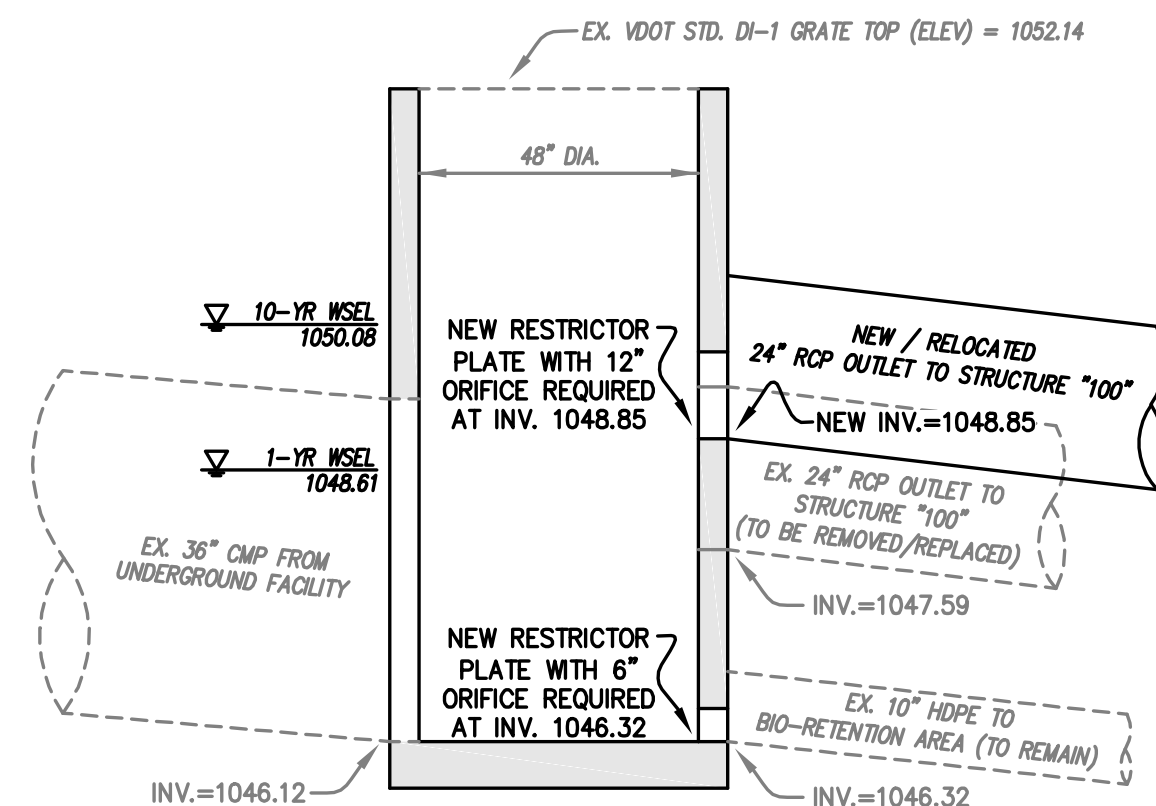


UTILITY NOTES:

- ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS.
- ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH VDOT'S ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.
- 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 MAIN PIPE MATERIAL SHALL BE PVC, SDR-35, EXCEPT AS NOTED, OR APPROVED EQUAL.
- CONNECTION TO EXISTING PRIVATE SANITARY SEWER LATERAL LINE WILL BE BY MEANS OF A NEW CONNECTION INTO EXISTING PRIVATE CLEANOUTS PER WYMA DETAIL S-6.

UTILITY NOTES (Continued):

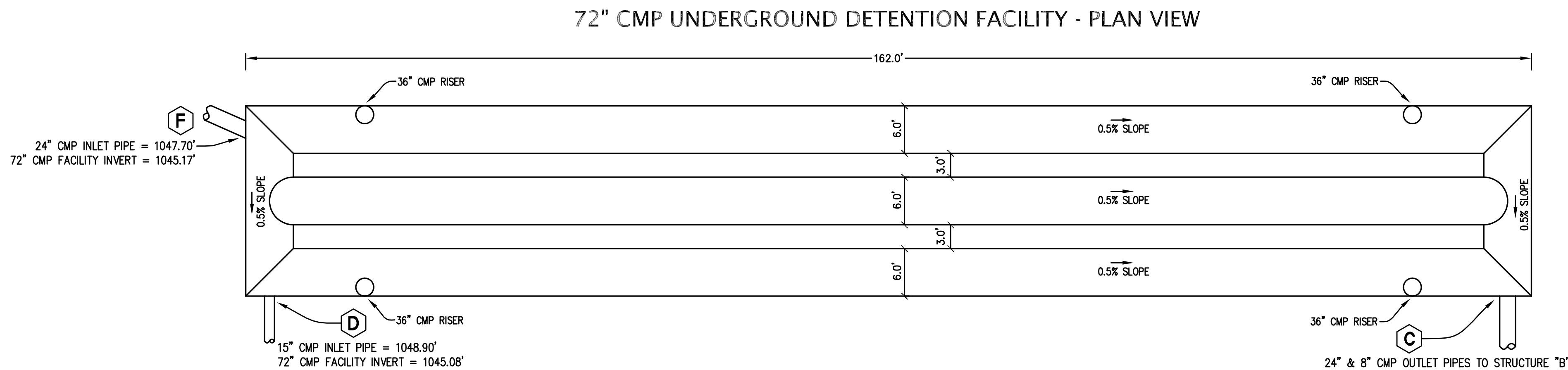
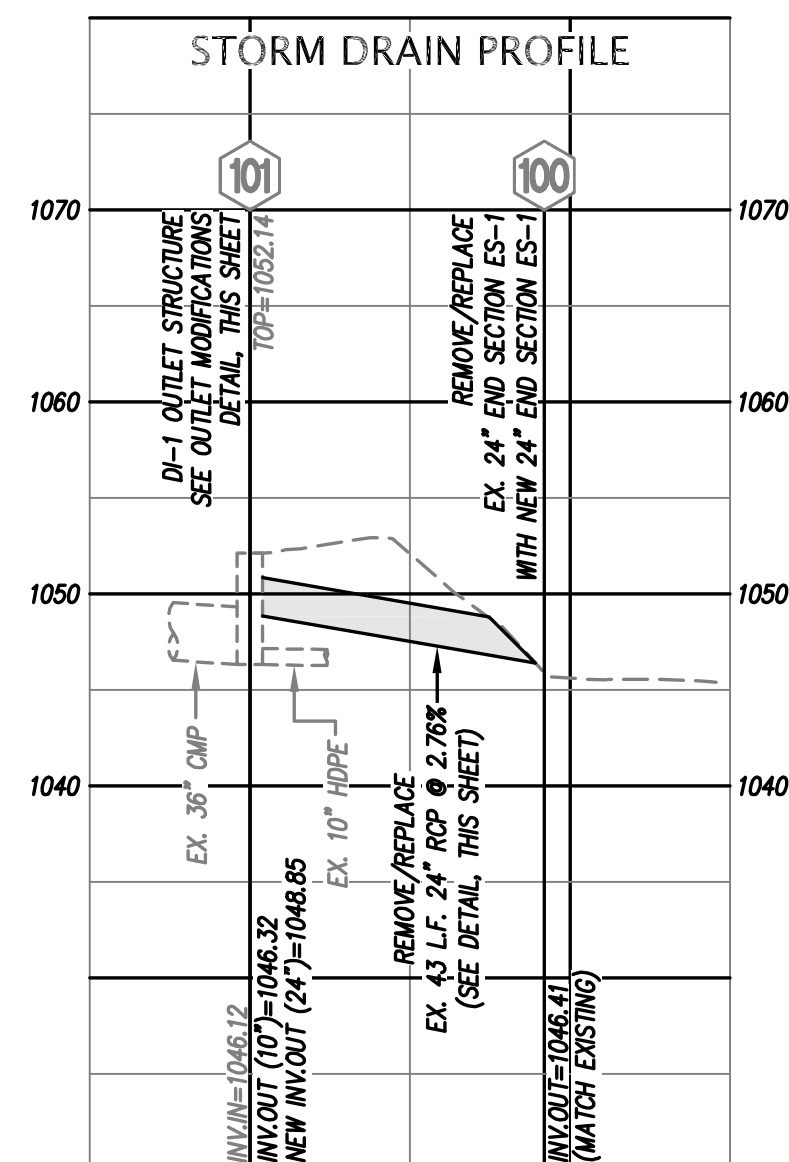
- NEW WATERLINE MAIN PIPE MATERIAL SHALL BE C900 PVC DR14 8" WATERLINES, UNLESS OTHERWISE INDICATED, OR APPROVED EQUAL.
- ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH VDOT STANDARDS.
- ALL CMP PIPE SHALL BE ALUMINIZED STEEL, TYPE II.
- 72" CMP PIPE SHALL BE 12 GAUGE, SEE PROFILE FOR SPECIFIED GAUGE FOR ALL OTHER CMP PIPE.
- 72" CMP PIPE BANDS SHALL BE MIN. 2" WIDE & ALL FITTINGS SHALL BE REINFORCED PER ASTM 998.
- ALL HDPE PIPE SHALL BE ADS N-12, OR APPROVED EQUAL.
- ALL NEW DROP INLETS AND STORM DRAIN MANHOLES 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 NEW 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.



- NOTES & DESIGN INTENT:
- EXISTING 24" RCP OUTLET PIPE SHALL BE REMOVED / RELOCATED TO THE NEW CORRESPONDING ELEVATION AS SHOWN AND PROPERLY GROUTED SECURELY IN PLACE. EXISTING ASSOCIATED RESTRICTOR PLATE WITH 12" ORIFICE SHALL BE BOLTED INTO PLACE AT NEW INVERT LOCATION PROVIDED.
 - A NEW 1/4" STEEL RESTRICTOR (WITH 6" ORIFICE) PLATE CURVED TO FIT EXISTING STRUCTURE SHALL BE PROVIDED AND BOLTED INTO PLACE AT EXISTING 10" HDPE PIPE OUTLET.

EX. SWM-1 OUTLET MODIFICATION
(STRUCTURE 101)

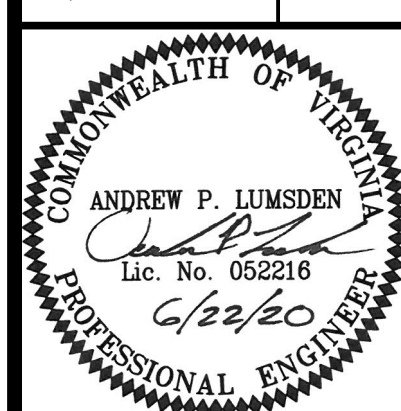
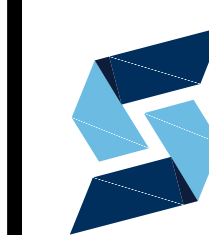
NO SCALE



MATERIALS:
ALL CMP SHALL BE ALUMINIZED STEEL, TYPE II.
72" PIPE SHALL BE 12 GAUGE.
CMP BANDS SHALL BE A MINIMUM 2" WIDE, AND ALL FITTINGS TO BE REINFORCED PER ASTM 998.

STORMWATER DETENTION FACILITY #2
SCHEMATIC DETAIL

DETAIL SCALE: 1" = 10'



PROFILES

ROANOKE COUNTY
FLEET SERVICE CENTER EXPANSION
PREPARED FOR
ROANOKE COUNTY
BOARD OF SUPERVISORS
SITUATED ALONG HOLLINS ROAD
ROANOKE COUNTY, VIRGINIA

REVISIONS		DESCRIPTION
NO.	DATE	
1	6/22/20	BD SET
2		
3		
4		
5		

DATE: April 20, 2020
SCALE: 1"=30'(H), 1"=10'(V)
COMMISSION NO: 19-035H
SHEET C-501