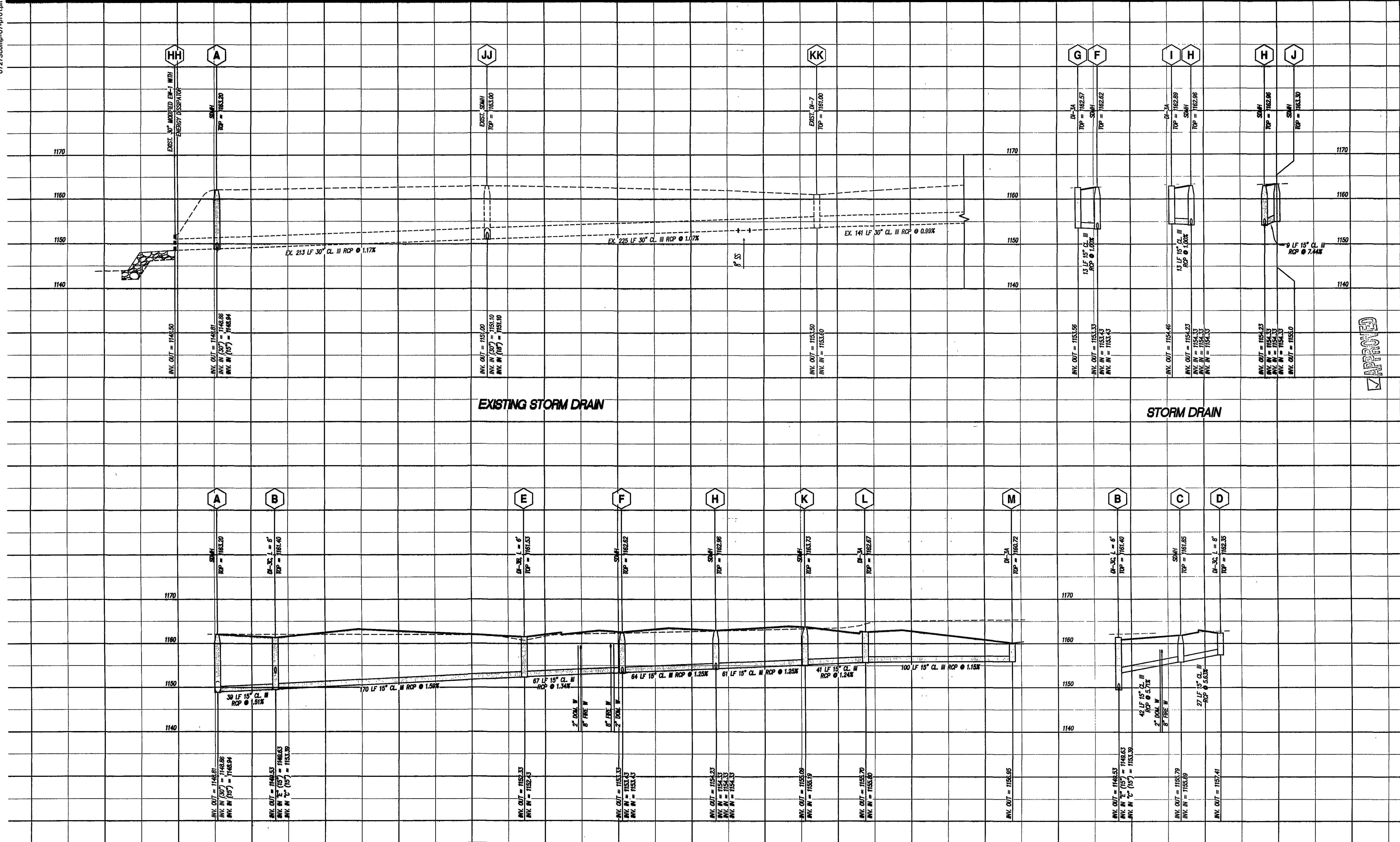




APPROVED

STORM DRAIN PROFILES

TRACTOR SUPPLY COMPANY
AT GANDER MOUNTAIN PLAZA
PREPARED FOR
TCI ARCHITECTS/ENGINEERS/CONTRACTOR
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

UTILITY AND STRUCTURE NOTES

- ALL WATER AND SANITARY SEWER LINES TO 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.
- A WESTERN VIRGINIA WATER AUTHORITY INSPECTOR MUST BE ON SITE DURING INSTALLATION OF NEW MANHOLES AT, OR CONNECTIONS TO, THE IN AT EXISTING SANITARY SEWER LINES.
- SANITARY SEWER LINE SHALL BE PVC, SDR-35 UNLESS OTHERWISE NOTED. SANITARY SEWER LINES AT DEPTHS 12" OR GREATER SHALL BE SDR-35 OR SDR-21 OR CONCRETE ENCASED SDR-35.
- WATER LINE SHALL BE C900, DR-14 UNLESS OTHERWISE NOTED.
- WATER LINE JOINTS SHALL BE MECHANICALLY RESTRAINED WHERE WATER LINE GRADE EXCEEDS 10%.
- 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.
- ALL DROP INLETS SHALL HAVE IS-1 SHAPING.
- ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (NOT STD. ST-1) INSTALLED.
- 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 6 FEET FROM THE TOP OR BOTTOM OF THE STRUCTURE.
- HOPE PIPES AND FITTINGS SHALL BE SMOOTH WALL ADS N-12 OR APPROVED EQUAL.
- FOR BACKFILL OF HOPE PIPES AND FITTINGS SEE "HOPE PIPE BEDDING" DETAIL, THIS SHEET.

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

DATE: January 3, 2008
SCALE: (H) 1"=30' (V) 1"=10'
COMMISSION NO.: 2007-273
SHEET 7 OF 12