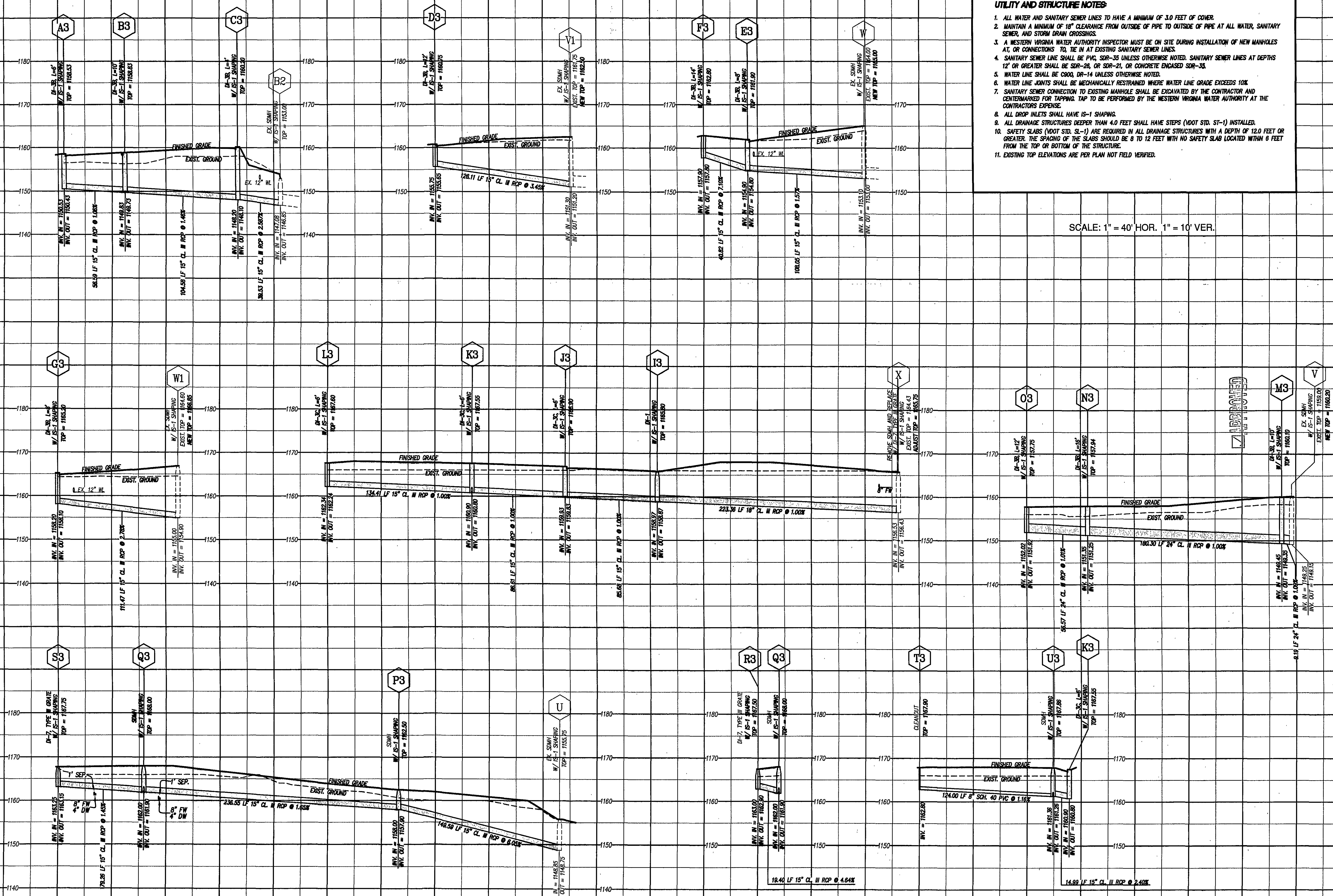




- UTILITY AND STRUCTURE NOTES**
1. ALL WATER AND SANITARY SEWER LINES TO HAVE A MINIMUM OF 3.0 FEET OF COVER.
 2. MAINTAIN A MINIMUM OF 18" CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER, AND STORM DRAIN CROSSINGS.
 3. A WESTERN VIRGINIA WATER AUTHORITY INSPECTOR MUST BE ON SITE DURING INSTALLATION OF NEW MANHOLES AT, OR CONNECTIONS TO, TIE 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 6000, 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 (VDOT STD. ST-1) INSTALLED.
 10. 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.
 11. EXISTING TOP ELEVATIONS ARE PER PLAN NOT FIELD VERIFIED.

SCALE: 1" = 40' HOR. 1" = 10' VER.

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STORM DRAIN PROFILES

CAMPING WORLD
AT THE OPIDAN RETAIL CENTER
PREPARED FOR
OPIDAN INVESTMENT COMPANY
HOLLIS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS		DESCRIPTION	
NO.	DATE		
1			
2			
3			
4			
5			

DATE: FEBRUARY 29, 2008
SCALE: (H) 1"=40' (V) 1"=10'
COMMISSION NO.: 2006-224C
SHEET 7 OF 12