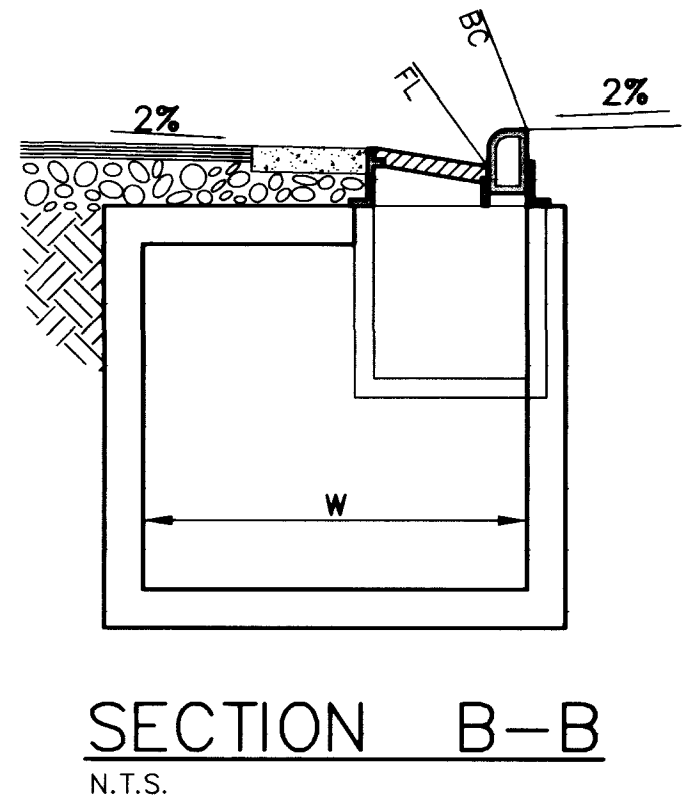
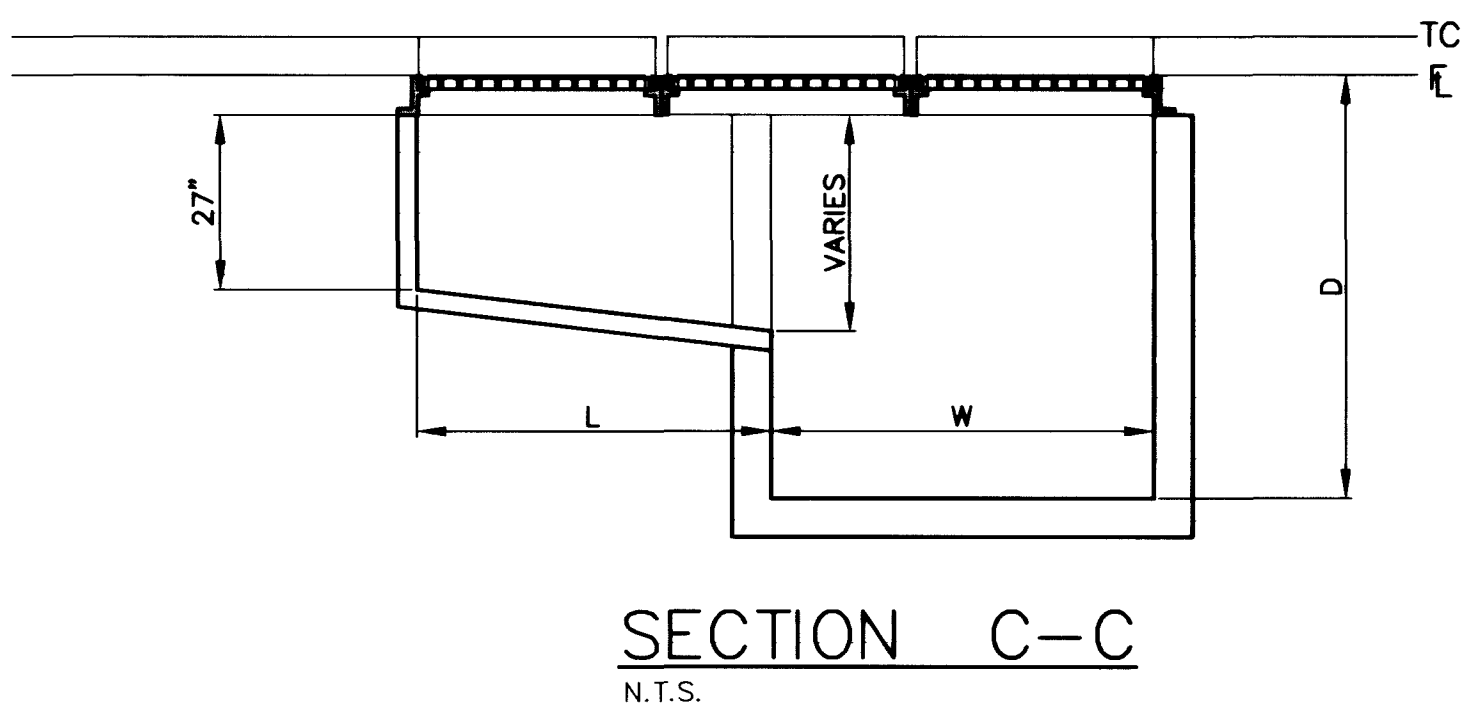
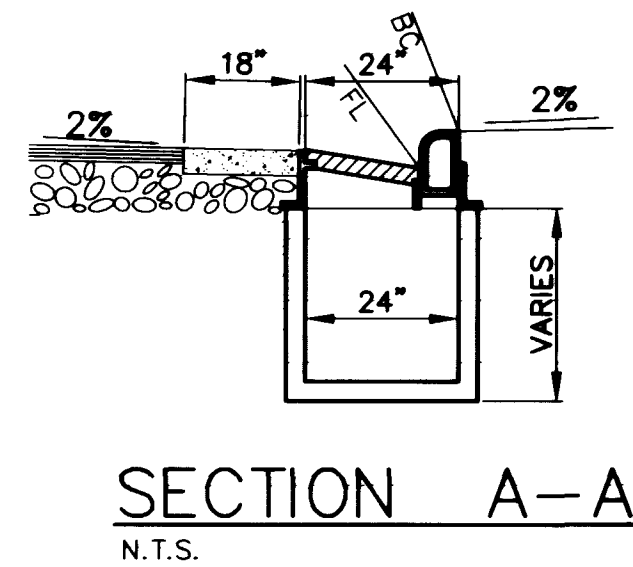
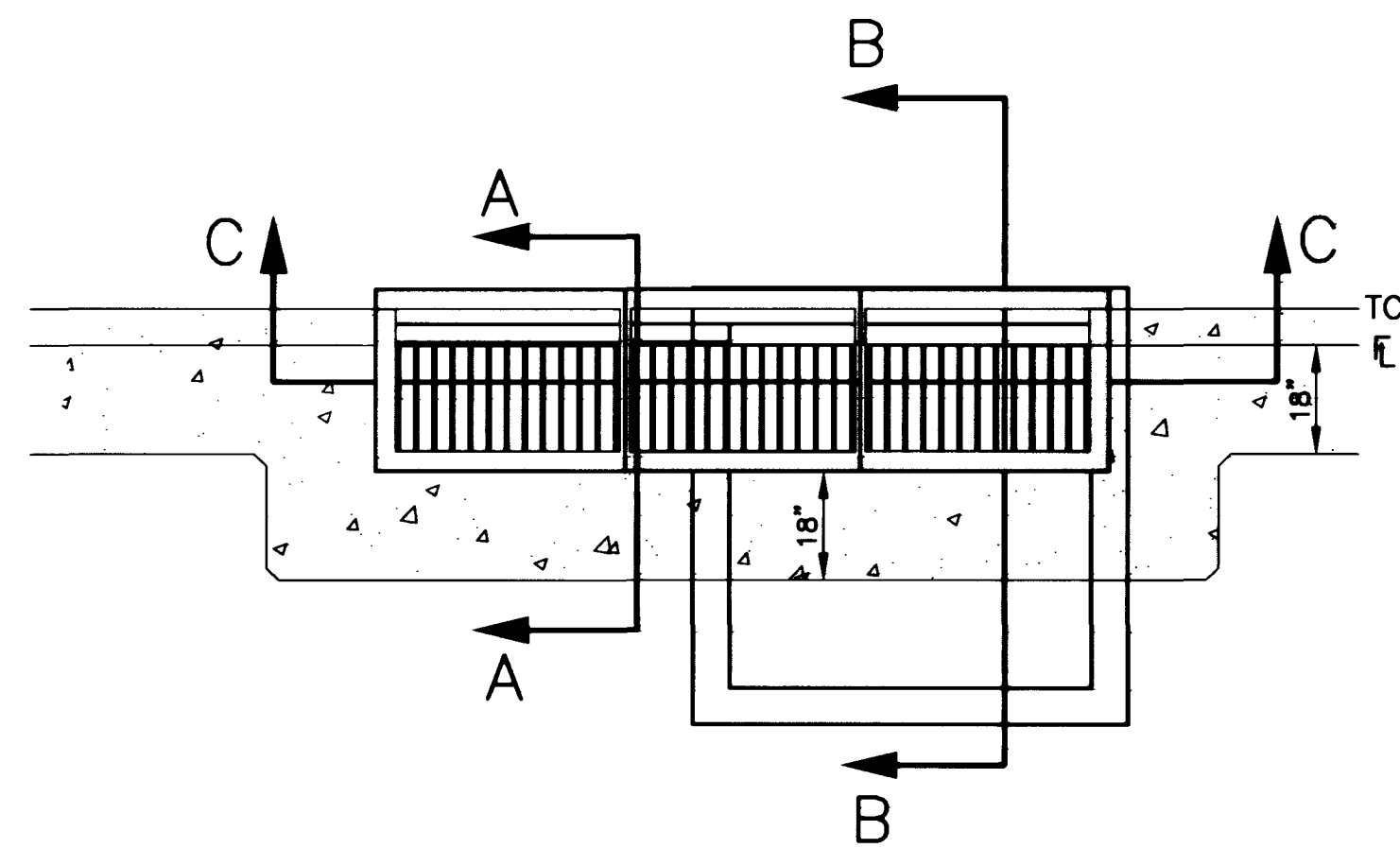


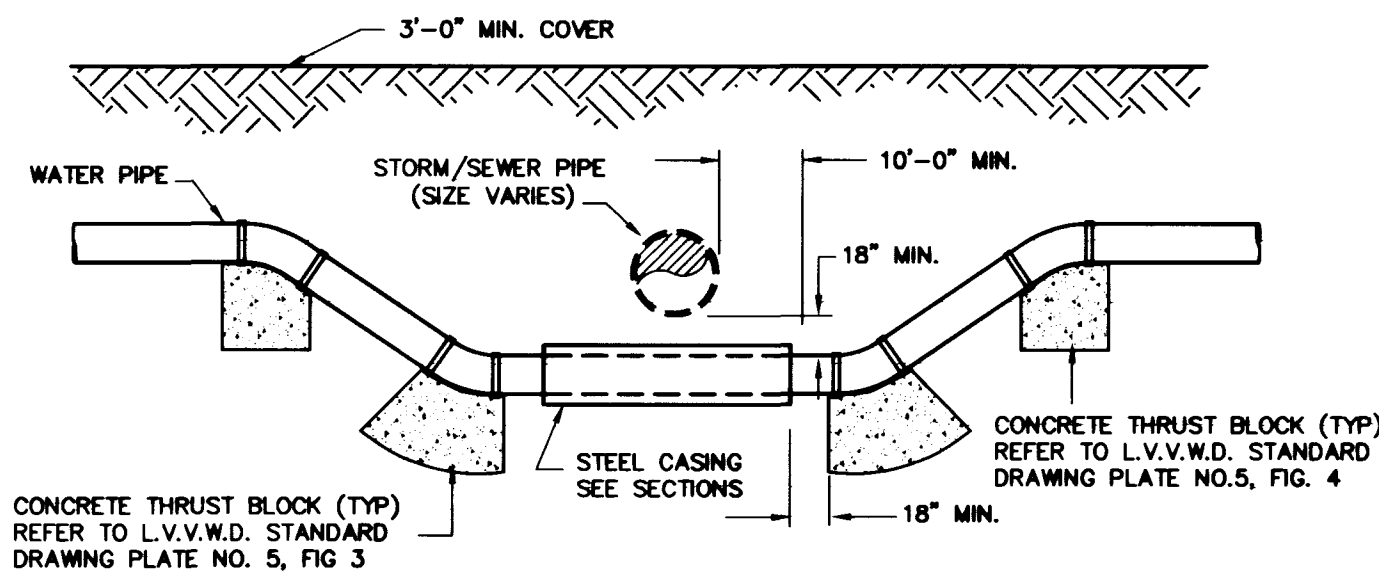
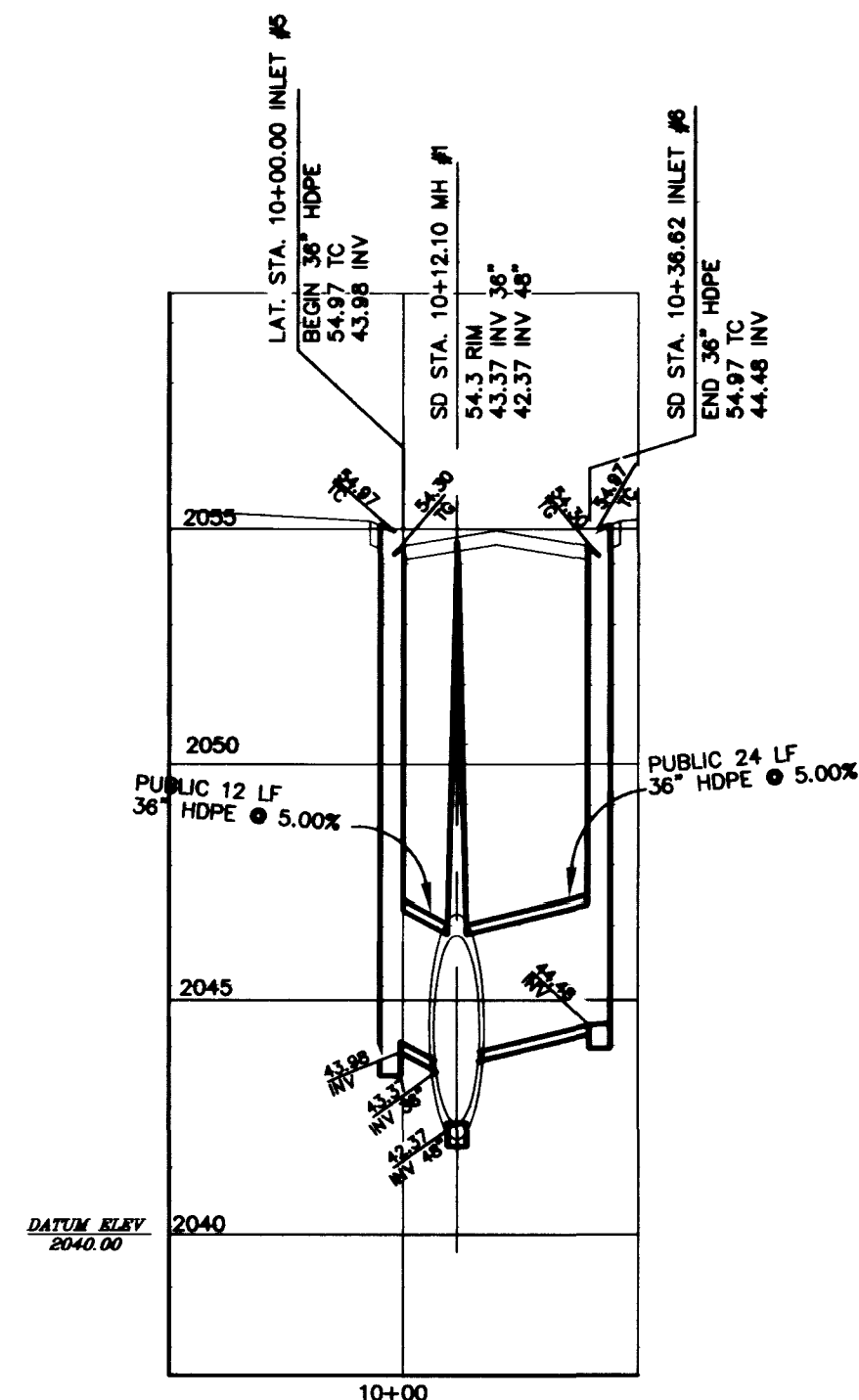


NEENAH STORM DRAIN INLET TABLE

INLET #	FRAME TYPE	# OF GRATES	D	W	L
1	R-3296-B	4 R-3067-LR	7.96'	3' X 3'	9.17'
2	R-3296-B	6 R-3067-LR	10.52'	5' X 5'	13.25'
3	R-3296-A	2 R-3067-LR	10.61'	5' X 5'	1.08'
4	R-3296-B	4 R-3067-LR	11.47'	5' X 5'	2.96'
5	R-3296-A	2 R-3067-LR	10.49'	5' X 5'	1.08'
6	R-3296-A	2 R-3067-LR	9.99'	5' X 5'	1.08'

NOTE 1: ALL INLETS TO UTILIZE TAPER CURB FACE TYPE TO MATCH CLARK COUNTY STANDARDS 'L' TYPE CURB AND GUTTER, REFERENCE STANDARD DRAWING NO. 216

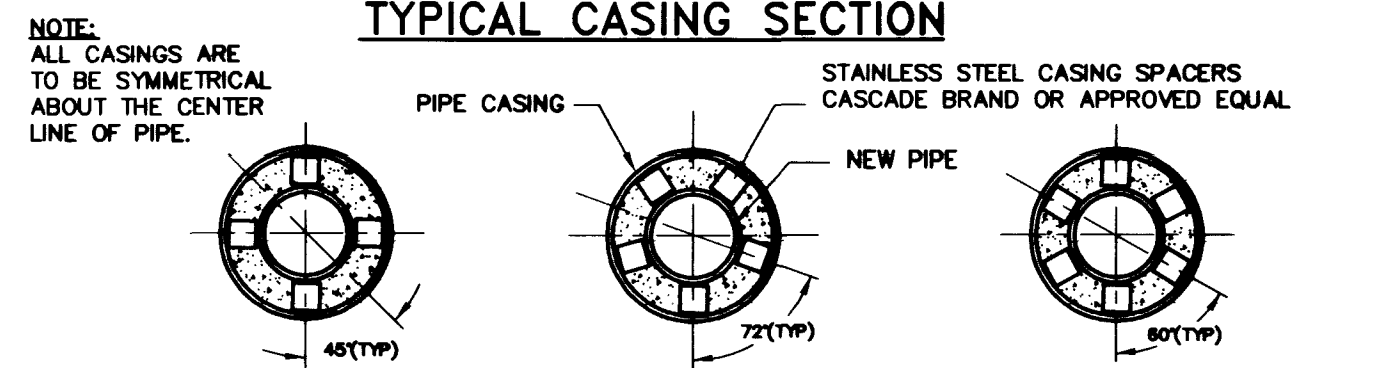
NOTE 2: ALL FRAME AND GRATE TYPES ARE BASED ON NEENAH MODELS.



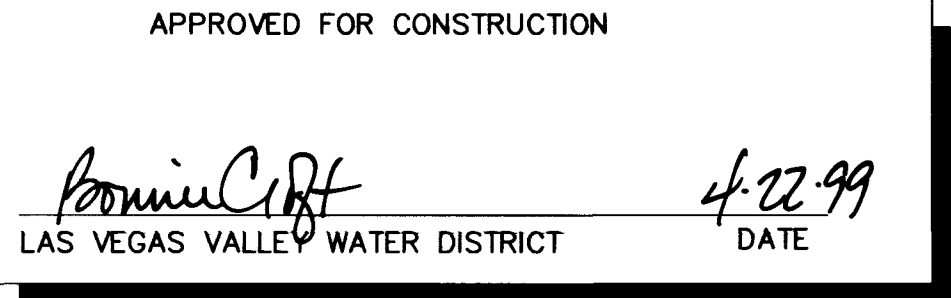
WHERE THE WATER LINE IS LESS THAN 18 INCHES OVER THE SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE SUPPLY REGULATIONS, CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE STORM/SEWER LINE AS FOLLOWS:

1. EXTRA HEAVY CAST IRON PIPE;
2. WATER SUPPLY QUALITY MATERIALS; OR
3. ENCASEMENT WITH FOUR INCHES, MINIMUM, OF CONCRETE OR SLEEVING WITH WATER SUPPLY QUALITY PIPE.

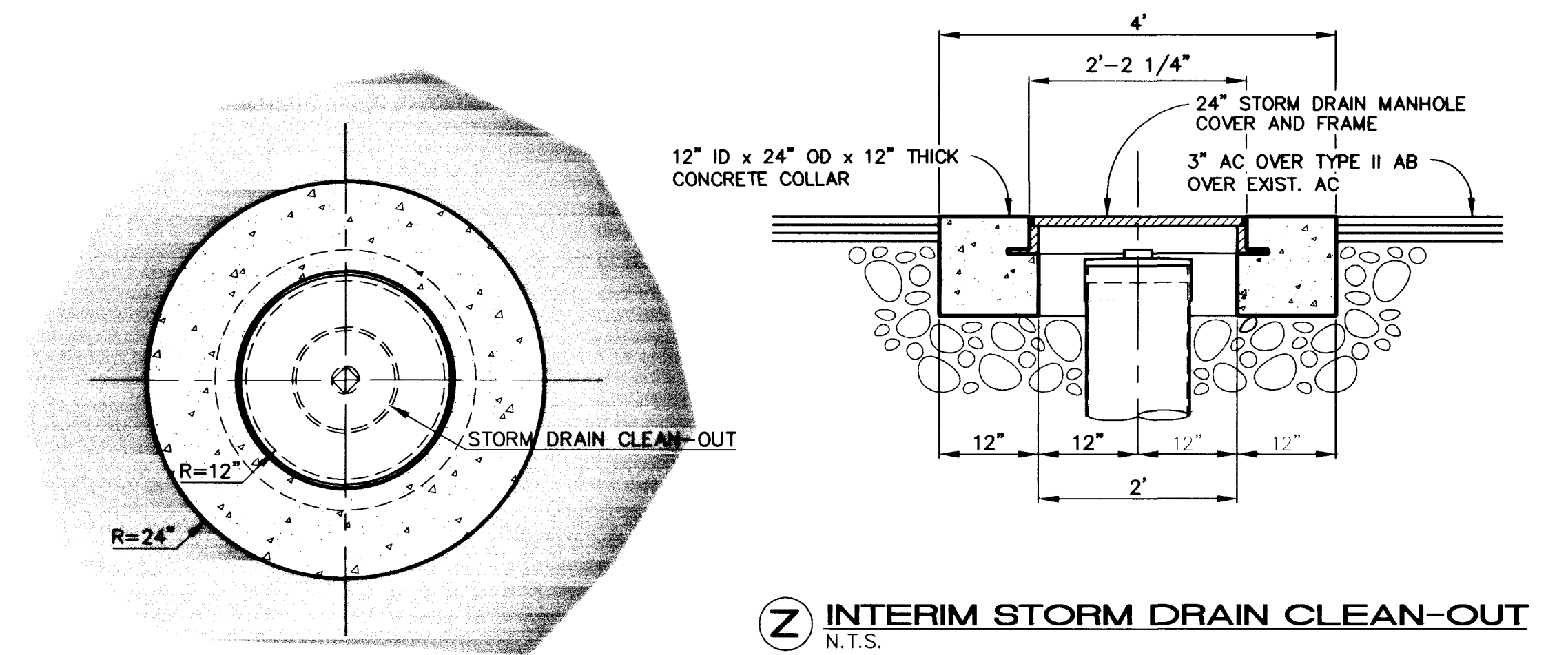
EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10/SINE OF CROSSING ANGLE).



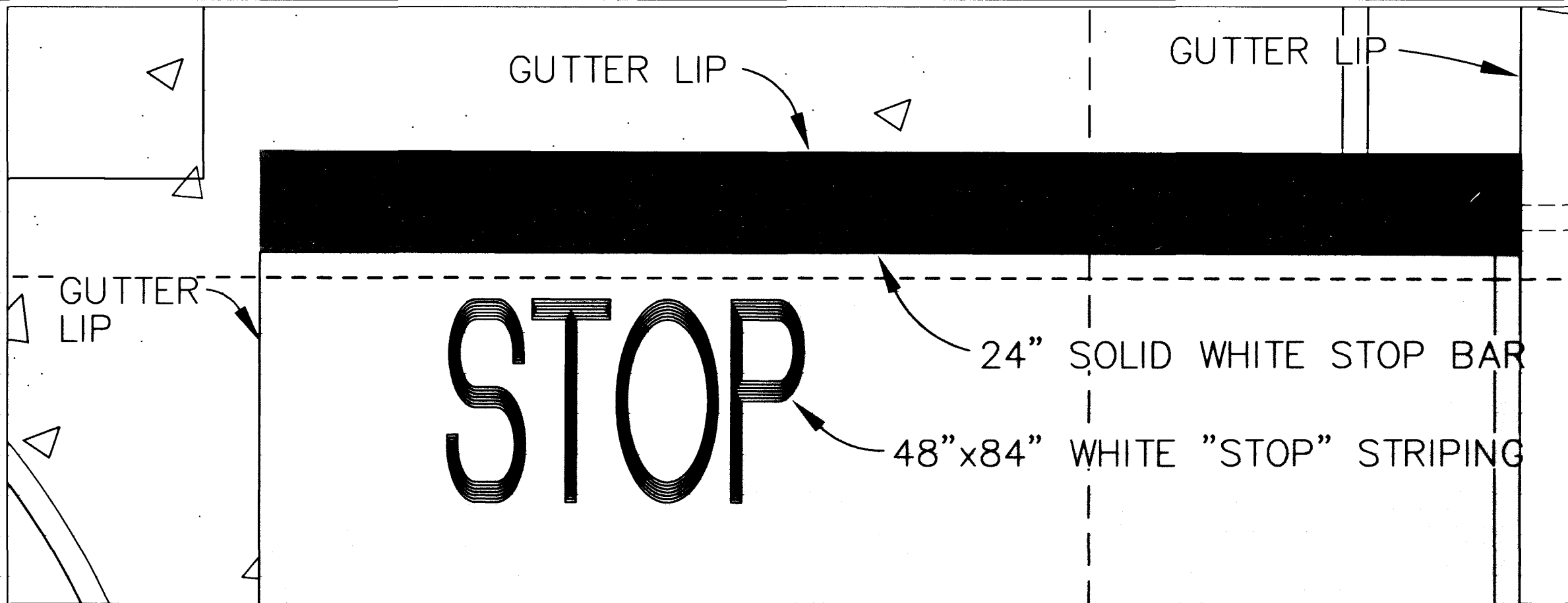
1. STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES, CONFORMING TO THE REQUIREMENTS OF ASTM A283, GRADE B, C, OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE GROUNDED TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C201, "AWWA STANDARD FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE". COATINGS FOR STEEL CASING ARE NOT REQUIRED.
2. PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
3. THE PIPE SHALL BE SUPPORTED AT EACH END OF EACH JOINT WITH SPACERS, AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH CASING END SEALS.



1 STORM/SEWER WATER CROSSING DETAIL N.T.S.



2 INTERIM STORM DRAIN CLEAN-OUT N.T.S.



ARCH: HOLMES SABATIN ASSOCIATES 1 COMMERCE CENTER DRIVE HENDERSON, NV 89014 (702) 436-1008	REV	DATE	BY	REVISION
PROJECT: UNIVERSITY MEDICAL CENTER ER/ICU/CCU ADDITION	SHEET TITLE: DETAIL SHEET			
	SHEET NO.: 13 OF 13 SHEETS			
Drawn by: OF	Designed by: TDA	Checked by: JHL	Project No.: 497024A001	Scale: N/A
Professional Engineer - State of Nevada TED H. LYON No. 5476 3/29/99		DRAFTING NO. 107-V2911		

