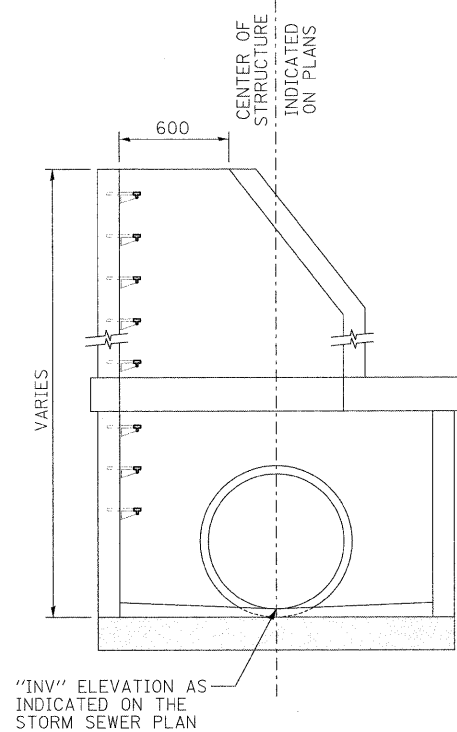
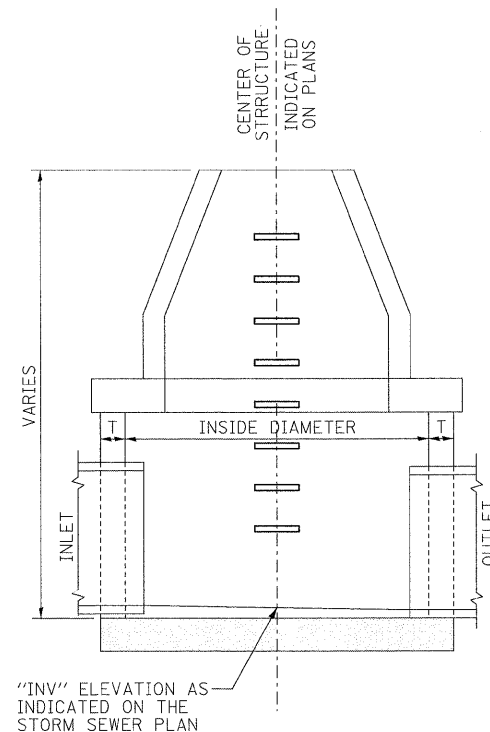
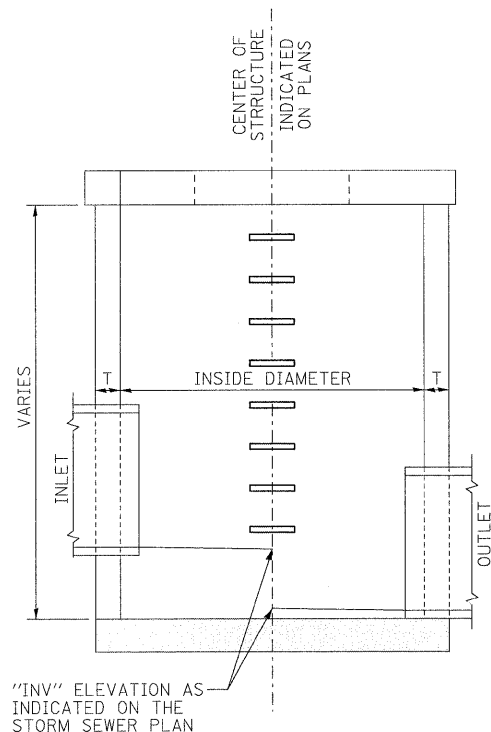


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(SCS,13C,108,109)R	KENDALL	931	451
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



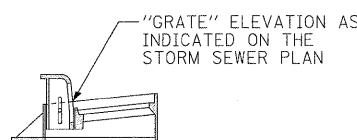
STORM SEWER CONSTRUCTION NOTES

- BEFORE ORDERING PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, STORM SEWERS OR OTHER DRAINAGE STRUCTURES, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR EXACT LENGTHS, DIMENSIONS, INVERTS AND ALIGNMENTS AND SUBMIT REQUIRED SHOP DRAWINGS.
- CARE SHOULD BE EXERCISED IN CONSTRUCTION OF MANHOLE STRUCTURES TO BE LOCATED UNDER PERMANENT SURFACES DUE TO MINOR ELEVATION ADJUSTMENTS IN THE FIELD. THE CONTRACTOR IS ADVISED TO CAST STRUCTURES TO ACCOMMODATE SUCH MINOR ADJUSTMENTS. USE OF ADJUSTING RINGS IS RECOMMENDED.
- NOTE THAT ALL STRUCTURE INVERT ELEVATIONS SHOWN ON THE PLANS REFLECT THE SLOPE OF THE PIPE PROJECTED TO THE CENTER OF THE STRUCTURE.
- STANDARD "CONE" SECTION STRUCTURES TOPS SHOULD BE USED WHENEVER POSSIBLE. WHEN FLAT SLAB TOPS ARE REQUIRED ADJUSTING RINGS SHOULD BE USED TO PROVIDE MINIMUM DEPTH OF COVER (300MM IN GRASS AREAS AND PAVEMENT THICKNESS PLUS 100MM IN PAVED AREAS).
- THE STATION AND OFFSET SHOWN ON THE STORM SEWER PLAN IS FOR THE LOCATION OF THE CENTER OF THE STRUCTURE. THIS IS NOT NECESSARILY THE CENTER OF THE 600mm OPENING. STRUCTURES SHALL BE ORIENTED SO THAT OPENINGS LINE UP WITH CURB LINE OR AVOID PLACEMENT IN SIDEWALK OR CURB, DEPENDING ON THE TYPE OF FRAME AND GRATE USED.

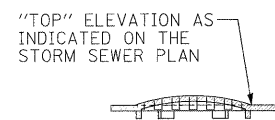
MANHOLE AND INLET REFERENCE POINTS



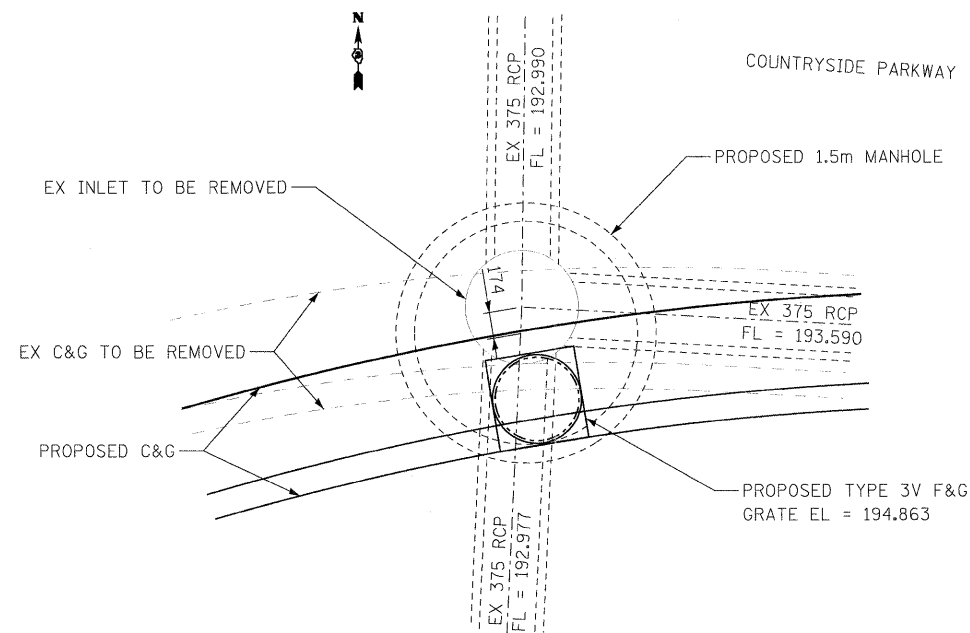
TYPE 1 OR TYPE 5 FRAME AND GRATE



CURB INLET FRAME AND GRATE

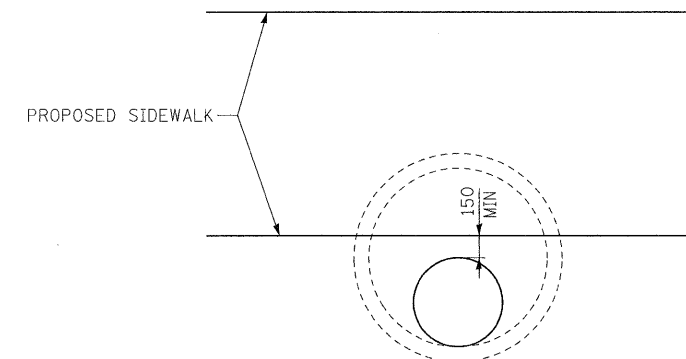
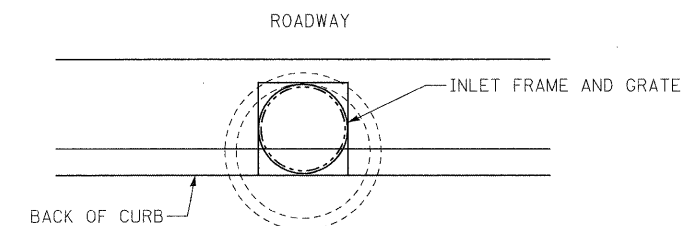


TYPE 8 GRATE



DETAIL STRUCTURE #80
STA. 23+181.567, 25.419m RT.

IN ORDER TO MATCH NEW CURB LOCATION, CENTER OF STRUCTURE WILL BE OFFSET FROM FLOWLINES OF EXISTING PIPES AS SHOWN ABOVE. CONTRACTOR SHALL VERIFY PIPE ALIGNMENTS AND ELEVATIONS PRIOR TO ORDERING STRUCTURE.



TYPICAL ORIENTATION OF STRUCTURES

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>STORM SEWER DETAILS</p> <p>DATE _____ DRAWN BY _____ CHECKED BY _____</p>