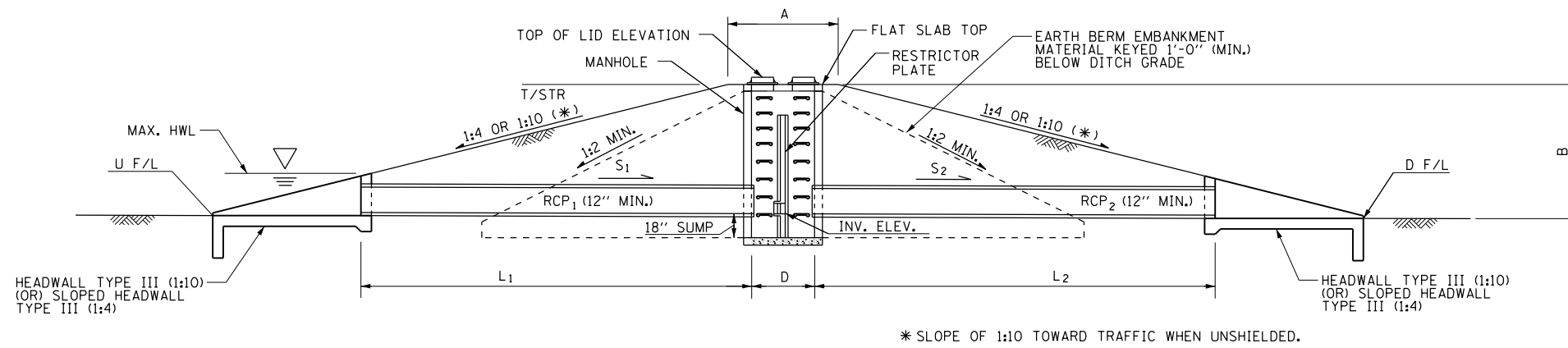


<b>Illinois Tollway Base Sheet Revisions</b>
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<b>Section M</b>	<b>Base Sheet Drawings</b>	
	<b>Drawing</b>	<b>Modification Summary</b> <span style="float: right;"><b>Effective: 03-01-2020</b></span>
	<b>Drainage (DRN)-Series 600</b>	
	<b>M-DRN-600</b>	<b>Outlet Control Structure Check Dam Details</b>
		Added steps so they are shown on both sides of the restrictor plate in the Profile View.
		Changed the weir notch width from 0.30' to X.XX' in the Restrictor Plate Detail.
	<b>M-DRN-601</b>	<b>Slope Drain</b>
		Added a top slope water tight transition fitting.
		Minor edits.

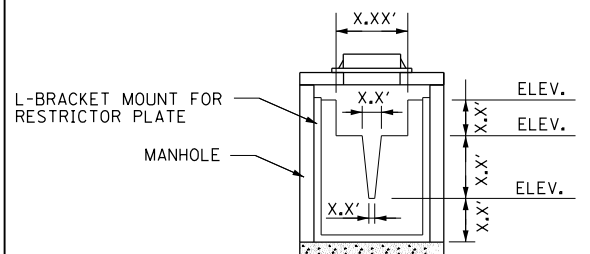
 New Sheet

 Retired Standard

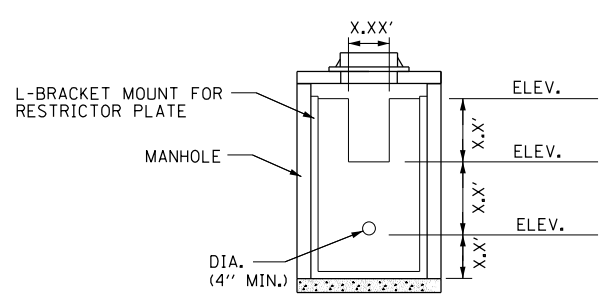


PROFILE VIEW

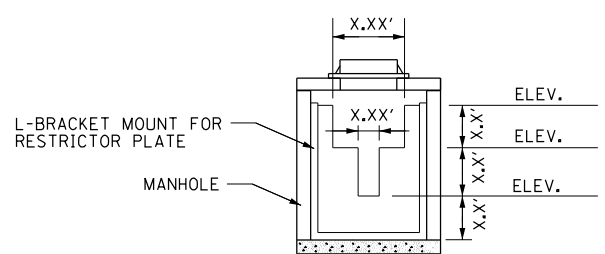
DESIGN ELEMENTS		VALUES
DRAINAGE AREA	X (ACRES)	
STORAGE VOLUME	V (CU. YD.)	
CHECK DAM TOP WIDTH	A (FEET)	
CHECK DAM HEIGHT	B (FEET)	
MANHOLE	D (DIAMETER)	
MANHOLE-GRATE	TYPE	
HORIZONTAL PIPE (RCP <sub>1</sub> )	P <sub>1</sub> (DIAMETER)	
HORIZONTAL PIPE (RCP <sub>1</sub> )	L <sub>1</sub> (FEET)	
HORIZONTAL PIPE (RCP <sub>1</sub> )	S <sub>1</sub> (SLOPE)	
HORIZONTAL PIPE (RCP <sub>2</sub> )	P <sub>2</sub> (DIAMETER)	
HORIZONTAL PIPE (RCP <sub>2</sub> )	L <sub>2</sub> (FEET)	
HORIZONTAL PIPE (RCP <sub>2</sub> )	S <sub>2</sub> (SLOPE) (%)	
RESTRICTOR PLATE-DETAIL	SHAPE	
2-YEAR RELEASE RATE	CFS	
100-YEAR RELEASE RATE	CFS	
HEADWALL TYPE III (1:10)	PIPE DIAMETER	
SLOPED HEADWALL TYPE III (1:4)	PIPE DIAMETER	
HIGH WATER ELEVATION	HWL (FEET)	
TOP OF STRUCTURE ELEVATION	T/STR (FEET)	
UPSTREAM FLOWLINE	U F/L (FEET)	
DOWNSTREAM FLOWLINE	D F/L (FEET)	



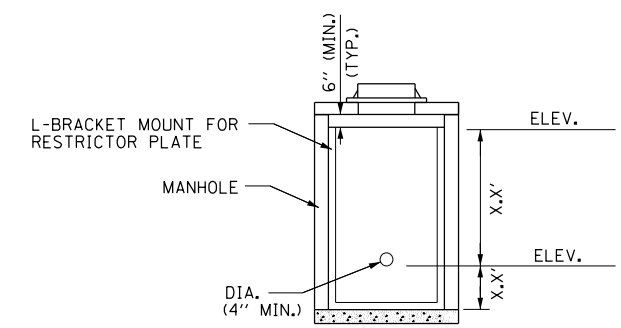
RESTRICTOR PLATE DETAIL



RESTRICTOR PLATE DETAIL



RESTRICTOR PLATE DETAIL



RESTRICTOR PLATE DETAIL

SAMPLE RESTRICTOR PLATE DETAILS

- NOTE:
- ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT. (V:H).
  - THE CONTRACTOR HAS THE OPTION TO USE A CONCRETE RESTRICTOR PLATE THAT IS PRECAST WITHIN THE DRAINAGE STRUCTURE.

**NOTE TO DESIGNER**

- DSE SHALL DESIGN STEEL ANGLE BOLTS AND FASTENERS FOR THE STEEL RESTRICTOR PLATES. DETAILS ARE TO BE PROVIDED ON THIS SHEET.

OUTLET CONTROL STRUCTURE (CHECK DAM)

**NOTE TO DESIGNER**

THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

M-DRN-600

OUTLET CONTROL STRUCTURE CHECK DAM DETAILS

DATE  
3-1-2020





