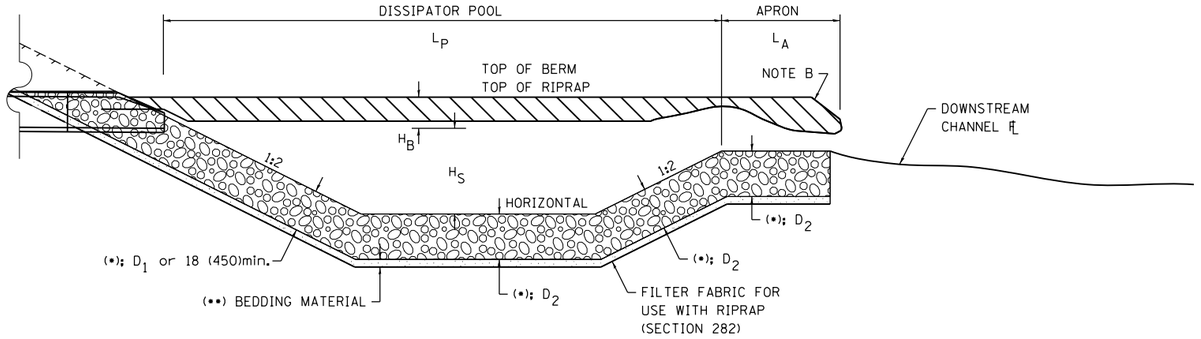
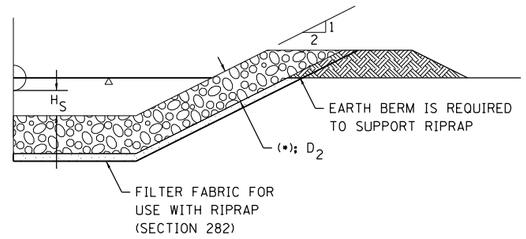
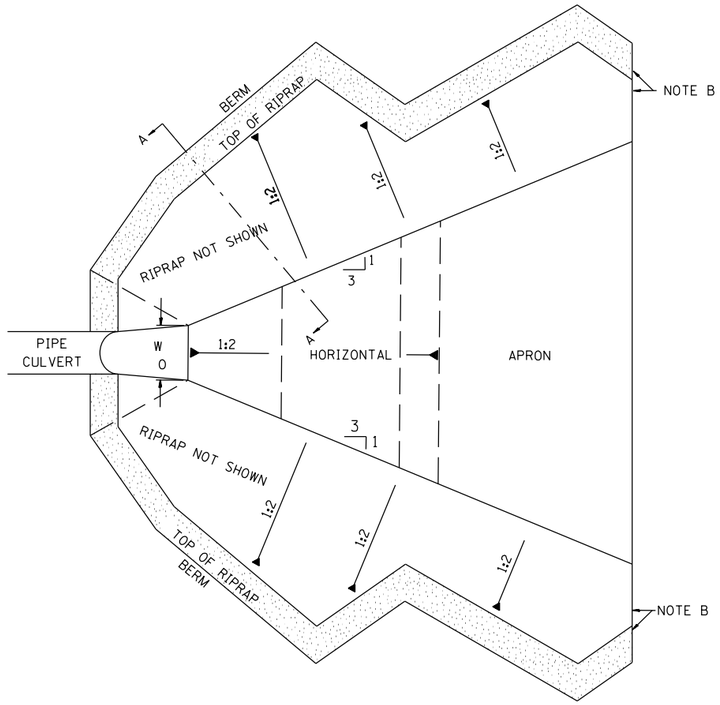


FLOWLINE SECTION



SECTION A–A



TOP VIEW

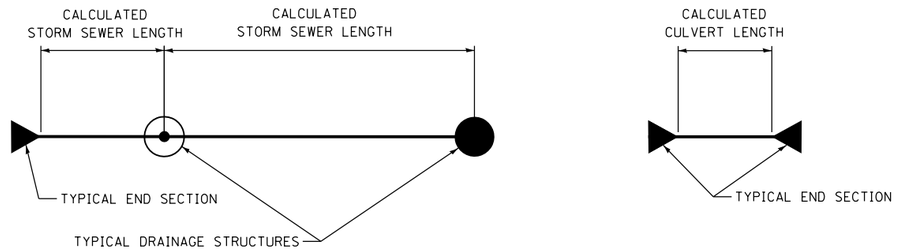
ALL SLOPE RATIOS ARE EXPRESSED AS
UNITS OF VERTICAL DISPLACEMENT TO
UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED.

EARTHWORK REQUIRED TO CONSTRUCT
THE RIPRAP ENERGY DISSIPATOR
IS INCIDENTAL TO THE CONSTRUCTION
OF THE RIPRAP ENERGY DISSIPATOR

LOCATION	STATION	W_O	L_P	L_A	H_S	H_B	(•) D_1	(•) D_2	(••) D_3	CLASS
VANDEBROOK DRIVE	288+50	8.0′	24.0′	8.0′	1.0′	4.0′	2.5′	2.0′	0.5′	A4

NOTE B: WARP BASIN TO CONFORM TO
NATURAL STREAM CHANNEL



NOTES:

STORM SEWER LENGTHS BETWEEN STRUCTURES ARE CALCULATED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE

WHEN ENDS SECTIONS ARE USED STORM SEWER LENGTHS ARE CALCULATED FROM CENTER OF STRUCTURE TO JUNCTION OF THE END SECTION AND STORM SEWER

ALL MANHOLES AND INLETS ARE TO BE CONCENTRIC UNLESS OTHERWISE SPECIFIED.

PIPE CULVERT LENGTHS ARE CALCULATED FROM THE JUNCTION OF END SECTION AND PIPE CULVERT TO JUNCTION OF END SECTION AND PIPE CULVERT

WHERE CLASS D PIPE CULVERTS ARE ALLOWED PIPE CULVERT LENGTHS ARE CALCULATED ASSUMING CMP

STORM SEWER AND PIPE CULVERT LENGTH CALCULATION DETAIL

LAST SAVED = 10/4/2012
PEN TABLE = V8i-Half.tbl
PLOT DRIVER = pdfNOLAYERSbw.plotcfg

FILE NAME = I:\1001100_Phase II - 76F51\Cad\T_Plans\99_0876F51-sht-details.dgn	USER NAME = jepettibone	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/4/2012 5:11:32 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC. ENGINEERS

MISCELLANEOUS DETAILS
RIPRAP ENERGY DISSIPATOR
STORM SEWER & PIPE CULVERT LENGTH CALCULATION

SCALE: NONE | SHEET NO. 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9324	68-R-1	MONROE	192	108
		CONTRACT NO. 76F51		
	ILLINOIS FED. AID PROJECT			