

REQUIREMENTS FOR ALL STORM SEWER BENCHWALLS

BENCH WALLS SHALL BE SHAPED AND FORMED FOR A CLEAN TRANSITION WITH PROPER HYDRAULICS TO ALLOW THE SMOOTH CONVEYANCE OF FLOWS THROUGH THE MANHOLE OR BOX INLET. THE BENCH WALL SHALL FORM A DEFINED CHANNEL TO A MINIMUM HEIGHT OF 80-PERCENT OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A "U" SHAPED CHANNEL. CONSTRUCTED AT A MINIMUM 1/2-INCH PER FOOT SLOPE TO THE MANHOLE WALL.

WHERE A FLOW CHANNEL IS CONSTRUCTED AS AN INTEGRAL PART OF THE PRE-CAST BASE, IT SHALL BE SHAPED AND FORMED AS DESCRIBED ABOVE, WITH THE EXCEPTION THAT THE BOTTOM OF THE FLOW CHANNEL MAY BE FORMED FROM THE BOTTOM OF INLET AND OUTLET PIPES IF THE PIPE WALL THICKNESS IS NOT GREATER THAN ONE (1) INCH.

FOR CAST-IN-PLACE FLOW CHANNELS, THE BOTTOM INVERT OF ALL PIPES ENTERING A MANHOLE SHALL BE AT LEAST THREE (3) INCHES ABOVE THE TOP OF THE BASE SLAB TO THE OUTLET INVERT SO THE FINISHED SEWER CHANNEL MAY BE INSTALLED AND SHAPED.

FOR CONNECTIONS TO EXISTING STORM SEWER STRUCTURES, FLOW CHANNELS SHALL BE SHAPED, AS SPECIFIED HEREIN, AS IF IT WERE A NEW MANHOLE OR BOX INLET STRUCTURE.

SPECIFICATIONS FOR ALL STORM SEWER CASTINGS

ALL STORM WATER INLETS AND CATCH BASINS SHALL HAVE THE WORDS "NO DUMPING, DRAINS TO STREAM", OR SIMILARLY APPROVED MESSAGE, CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" IN HEIGHT. IN ADDITION, A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS.



Within Missouri Call
811 or 800-344-7483
24 Hours a Day, 7 Days a Week.

PER MISSOURI STATE LAW ADVANCE NOTICE: 2 WORKING DAYS (MISSOURI REVISED STATUTES, CHAPTER 319, GENERAL SAFETY REQUIREMENTS - SECTIONS 319.010 THROUGH 319.020 SHALL BE KNOWN AS THE "UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT")

PREPARED FOR:

HOTEL - CALEDONIA

LOT 4 AND 5, CALEDONIA CENTER, OFALLON, MO

63368

DRAINAGE PLAN DETAILS

PART OF SECTION 13, TOWNSHIP 46 NORTH, RANGE 2 EAST, ST. CHARLES COUNTY, MO.

SHEET NO.

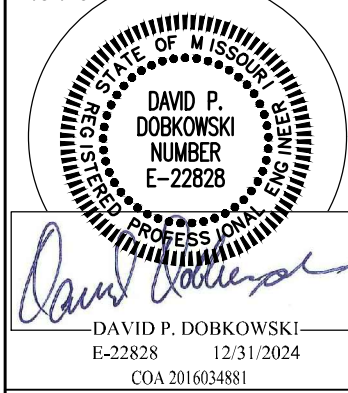
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PROJECT NO.

W23.0784

REVISIONS AND ISSUES	DATE	BY	PROJECT NO.:
ISSUED FOR CLIENT REVIEW	06/13/2024	DD	W23.0784
ISSUED FOR CITY OF OFALLON COMMENTS	08/28/2024	DD	DWG NAME: DRAINAGE PLAN DETAILS
ISSUED FOR CITY OF OFALLON COMMENTS	10/18/2024	DD	DESIGNED BY: BS
			DRAWN BY: JS
			CHECKED BY: DD
			DATE: 09/28/2024

12/31/2024



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