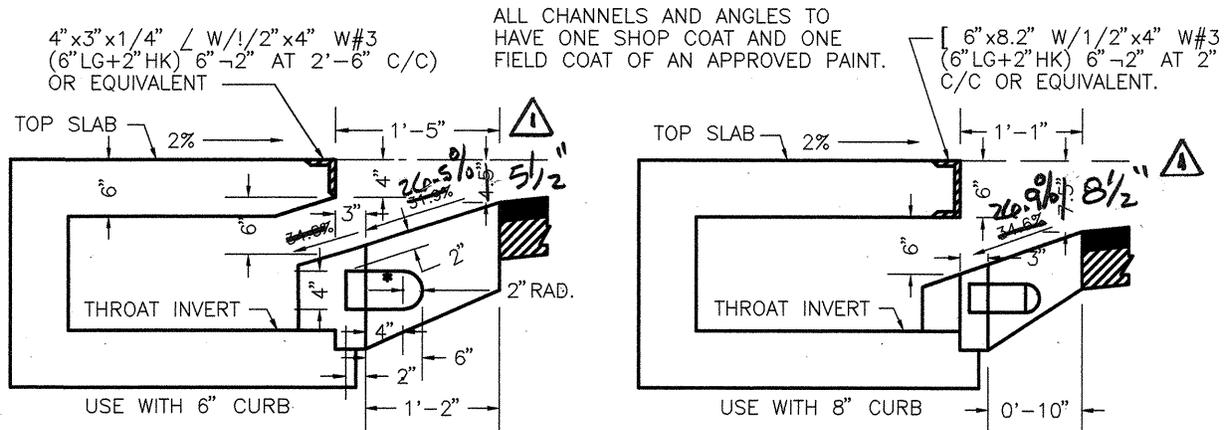


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THROAT SECTION DETAIL

\* 5/8" DIAMETER DEFORMED STEEL BARS 8" LONG WITH 2" RADIUS AT 30" CENTERS.

GENERAL NOTES

THROAT SECTION NOTES:

1. THE THROAT INVERT SHALL SLOPE A MINIMUM OF 1.5% TO THE PIPE CHAMBER WITH A 2" MINIMUM DEPTH AT THE CHAMBER OPENING AND A 5" MAXIMUM DEPTH AT THE FAR END, USING MSHA MIX NO. 2 CONCRETE.
2. A 4" GUTTER PAN DEPRESSION SHALL BE REQUIRED FOR THE FULL LENGTH OF THE THROAT SECTION.
3. THE GUTTER PAN MAY BE PRECAST OR CAST IN PLACE.
4. THE TOP SLAB SHALL BE 4" MINIMUM THICK WITH A 6" HIGH CURB; AND 6" MINIMUM THICK WITH AN 8" HIGH CURB. SUPPORT POSTS AT 5' O.C. ARE REQUIRED WITH 4" THICK TOP SLAB.

PIPE CHAMBER NOTES:

5. MAINTAIN A MINIMUM 12" CLEARANCE BETWEEN TOP OF BENCH AND BOTTOM OF FLATTOP OR EXTEND BENCH TO BOTTOM OF FLATTOP.
6. STRUCTURE OPENINGS SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 2" MINIMUM-5" MAXIMUM FOR PIPES UP THROUGH 36", AND 3" MINIMUM-6" MAXIMUM FOR PIPES 42" AND GREATER.
7. THE INVERT ON TERMINAL STRUCTURES SHALL SLOPE TO THE OUTLET A MINIMUM OF 2" PER 12". ON THROUGH STRUCTURES, A FORMED CHANNEL SHALL BE REQUIRED.
8. 6" DIAMETER KNOCKOUTS SHALL BE CAST INTO EACH END OF THE STRUCTURE FOR POSSIBLE UNDERDRAIN CONNECTIONS. 4" DIAMETER WEEPHOLE KNOCKOUTS SHALL BE CAST INTO THE FRONT AND BACK OF THE STRUCTURE, ONE PER FACE. LOCATE INVERT OF KNOCKOUT AT CROWN OF HIGHEST CHANNEL.
9. A MINIMUM OF 3.5' IS REQUIRED BETWEEN THE OUTLET PIPE INVERT AND THE FLATTOP.

NOTES FOR BOTH:

10. INVERTS SHALL BE PAVED WITH SEWER BRICK OR CONCRETE.
11. THE MANUFACTURER'S NAME AND DATE OF MANUFACTURE SHALL BE LOCATED ON THE INSIDE OF ALL STRUCTURE COMPONENTS.
12. THE MCDOT MATERIALS LAB SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF FABRICATION.
13. THREE (3) NOTARIZED CERTIFICATIONS OF SPECIFICATIONS WILL BE REQUIRED FOR ALL SHIPMENTS.
14. CONCRETE TO BE f'c=3500 PSI AT 28 DAYS.
15. STEPS WILL NOT BE PERMITTED IN THE FLATTOP.
16. MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270 TYPE M AND WILL BE USED TO SEAL LIFT HOLES, THROAT SECTION TO PIPE CHAMBER, AND SEAL AROUND ALL PIPE CONNECTIONS.
17. OTHER SPECIFIED COMBINATIONS OF CONCRETE AND STEEL PROVIDING THE SAME OVERALL STRUCTURAL STRENGTH AS MCDOT STD.MC-501.01 AND MC-502.01 WILL BE CONSIDERED FOR APPROVAL ON A CASE BY CASE BASIS.
18. ADJUSTMENT OF THE THROAT SECTION TO THE PIPE CHAMBER SHALL BE LIMITED TO THREE (3) COURSES OF BRICK TOTTALLING 8 INCHES IN THICKNESS INCLUDING PORTLAND CEMENT JOINTS. PRECAST ADJUSTMENT RINGS WILL BE REQUIRED IN COMBINATION WITH BRICK TO MEET THE MAXIMUM OF THREE COURSES.

P:\DOT\STD\STD56A 6-24-94 10:00 PM EST

APPROVED <u>JAN 5/95</u> DATE	REVISED <del>RESTORED</del> 1" DEPRESSION AT GUTTER EDGE 6/25/12	MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIRECTOR, DEPT. OF TRANS.		<b>PRECAST CURB INLET GUIDELINES</b>
 CHIEF, DIV. OF ENG. SERVICES		<b>STANDARD NO. MC-507.01</b>