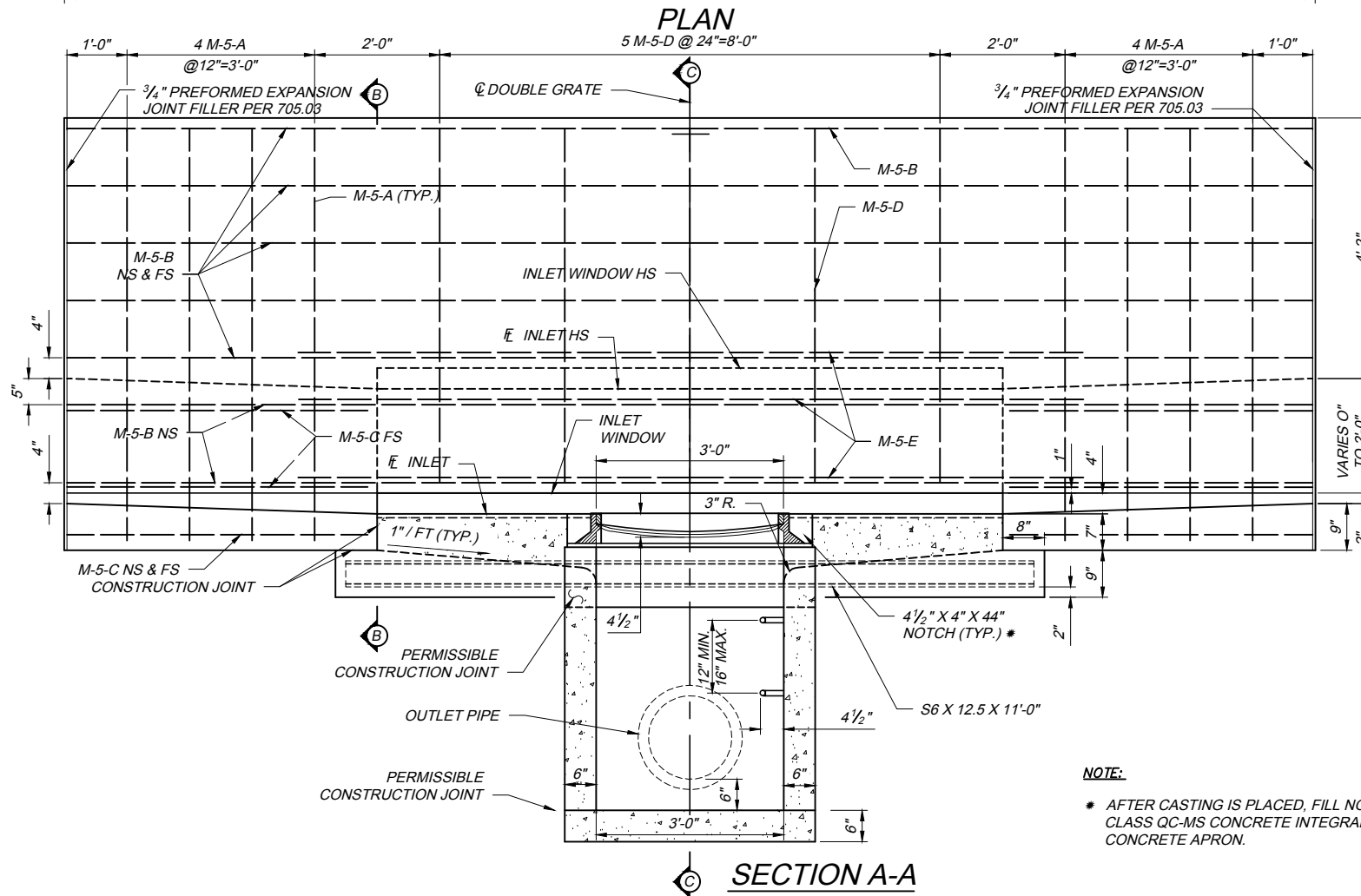


DEDUCT 20'-0" FROM ITEM 622 - CONCRETE BARRIER QUANTITIES; ALL COSTS FOR CONCRETE BARRIER AND INLET ARE INCLUDED IN SP 611

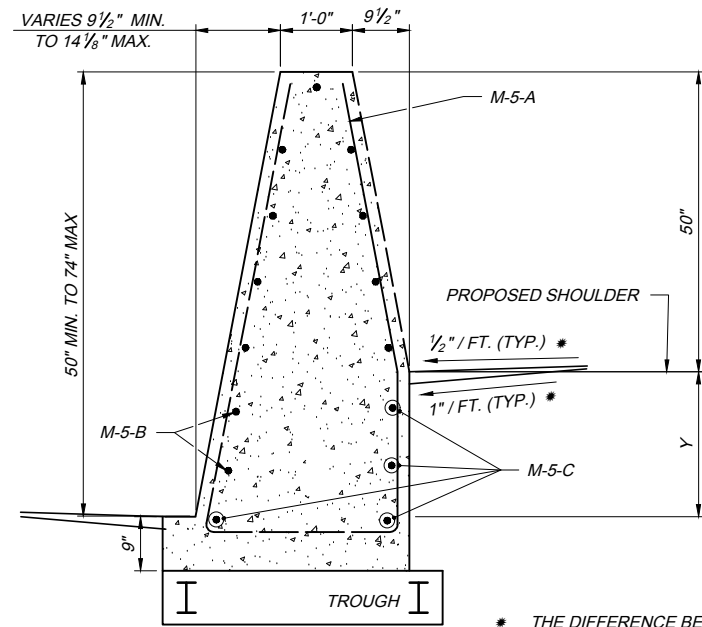


NOTE:
* AFTER CASTING IS PLACED, FILL NOTCH WITH CLASS QC-MS CONCRETE INTEGRAL WITH THE CONCRETE APRON.

- NOTES:**
1. WALLS: THE WALLS BETWEEN THE BOTTOM SLAB AND THE UPPER PERMISSIBLE CONSTRUCTION JOINT MAY BE BUILT OF CAST-IN-PLACE CONCRETE OR PRECAST. CAST-IN-PLACE CONCRETE SHALL HAVE A WALL THICKNESS OF 8" NOMINAL FOR DEPTHS OF 12' OR LESS. PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE. THE UNIT ABOVE THE UPPER PERMISSIBLE CONSTRUCTION JOINT MAY BE PRECAST OR CAST-IN-PLACE.
 2. CONCRETE: CAST-IN-PLACE, TO BE CLASS QC1. ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF CMS 706.13 WITH 6 ± 2% AIR VOID CONTENT IN THE HARDENED CONCRETE. REQUIRED MARKINGS SHALL INCLUDE THE INLET NUMBER. PRECAST UNITS SHALL BE BACKFILLED WITH LOW STRENGTH MORTAR, TYPE 2 AS PER SP 611 AND ITEM 613.
 3. STEPS AND CASTING: STEPS SHALL BE IN ACCORDANCE WITH ODOT STANDARD DRAWING MH-1.1. CASTING: MINIMUM WEIGHT OF FRAME AND COVER SHALL BE 540 POUNDS.
 4. OPENINGS: PIPE OPENINGS SHALL BE O.D. PLUS 2" WHEN PREFABRICATED OR CORED. FILL ANY VOIDS PER SP 611.
 5. INLETS OVER 12 FEET IN DEPTH: SUCH INLETS SHALL BE PRECAST OF CAST-IN-PLACE CONCRETE; REINFORCED WITH EPOXY COATED #5 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM THE INSIDE WALL FACE.
 6. THE FOLLOWING TEXT SHALL BE CAST INTO THE TOP OF THE GRATE:
"DUMP NO WASTE" AND "DRAIN TO WATERWAY"
TEXT SHALL BE PRINTED IN BOLD, CAPITAL LETTERS WITH A MINIMUM HEIGHT OF 1/2".
"WATERWAY" MAY BE SUBSTITUTED WITH "STREAM", "RIVER", "LAKE", ETC. ACTUAL PLACEMENT AND LOGO MAY VARY PER MANUFACTURER.
 7. CONCRETE BARRIER: FOR DETAILS AND NOTES FOR SINGLE SLOPE CONCRETE BARRIER, TYPE C-50, AS PER PLAN, SEE OTIC STANDARD DRAWING CBR-2 SHEET 1 OF 3. REINFORCING SHALL BE EPOXY COATED IN ACCORDANCE WITH CMS 509.10.
 8. PAYMENT: PAYMENT WILL BE MADE AT THE UNIT PRICE BID PER EACH FOR SP 611 - INLET, NO. I-3C50, DOUBLE GRATE AND SHALL INCLUDE ALL MATERIALS, REINFORCING STEEL AND CASTINGS AND LABOR REQUIRED TO CONSTRUCT THE CATCH BASIN AS SHOWN, COMPLETE AND ACCEPTED.
 9. THE USE OF BRICK OR MASONRY BLOCK TO BUILD THE CATCH BASIN SHALL BE PROHIBITED. IF THE FRAME DOES NOT SIT ON THE CATCH BASIN WALLS, THE CONTRACTOR SHALL FORM AND POUR, USING CLASS "QC MS" CONCRETE, TO BUILD THE CATCH BASIN TO SECURE CONCRETE TO THE EXISTING PRECAST STRUCTURE. THE CONTRACTOR SHALL INSTALL #4 DOWEL BARS, SPACED 12" O/C (3 PER SIDE UNLESS DIRECTED OTHERWISE BY THE CHIEF ENGINEER) IN ACCORDANCE WITH ITEMS 509 AND 510. THE DOWEL BARS SHALL BE IMBEDDED AT LEAST 6" INTO THE EXISTING PRECAST STRUCTURE AND SECURED WITH NON-SHRINK NON-METALLIC GROUT THAT CONFORMS TO CMS 705.20. THE CONTRACTOR SHALL USE FORMS SIZED TO CONFORM TO THE INTERIOR OF THE CATCH BASIN, AND THAT WILL INSURE A SMOOTH INTERIOR FINISH. ALL OTHER CONCRETE SURFACES SHALL HAVE A BROOMED FINISH. AFTER THE CASTING IS SET TO THE FINAL GRADE, THE AREA AROUND THE ADJUSTED CATCH BASIN CASTING SHALL BE BACK FILLED WITH CLASS "QC MS" CONCRETE TO THE EXISTING SURFACE.

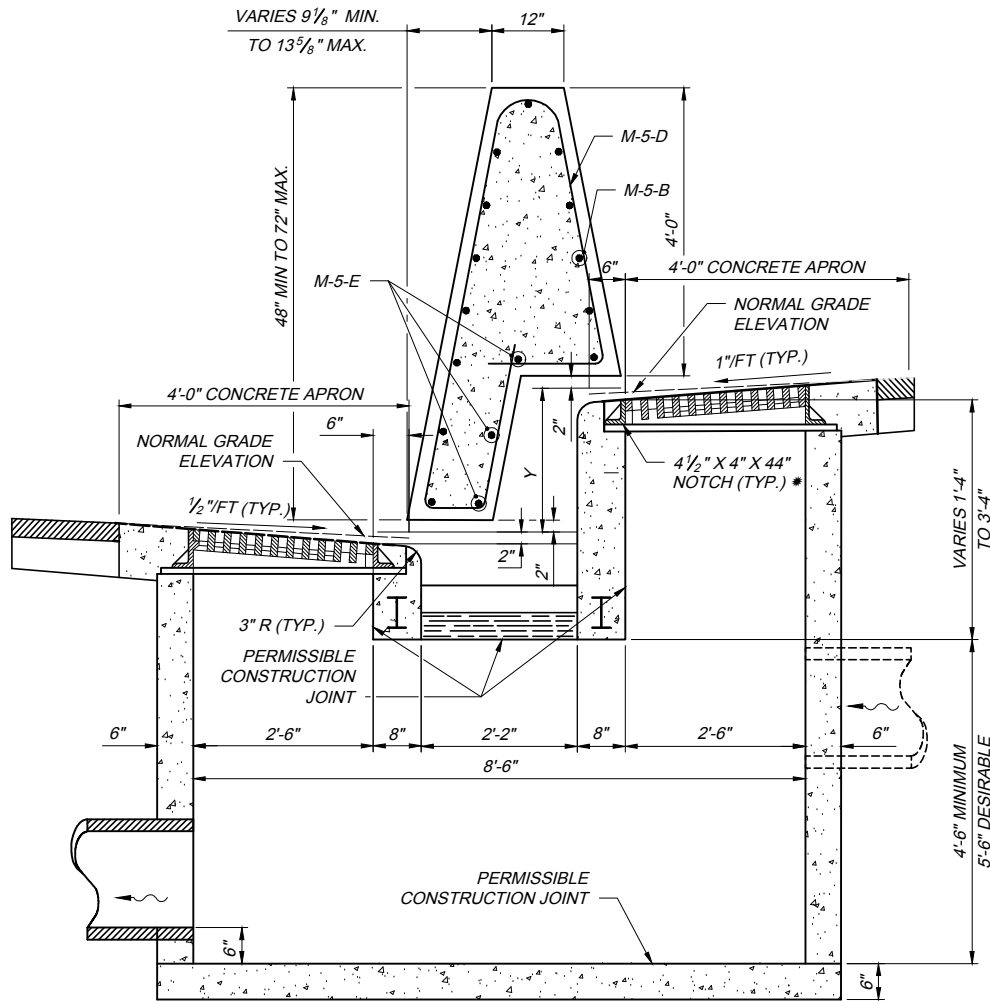
CB-5A 2023.10.17.dwg: 10/18/23 - 12:00pm

CB-5A	INLET, NO. I-3C50, DOUBLE GRATE FOR SINGLE SLOPE BARRIER, TYPE C50	STANDARD DRAWING	DATE: OCTOBER 17, 2023
1 / 2	OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION		

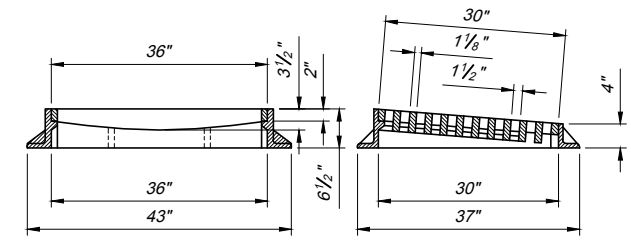


SECTION B-B

* THE DIFFERENCE BETWEEN THE NORMAL GRADE ELEVATION AND THE \bar{E} INLET GRATE ELEVATION IS 2".

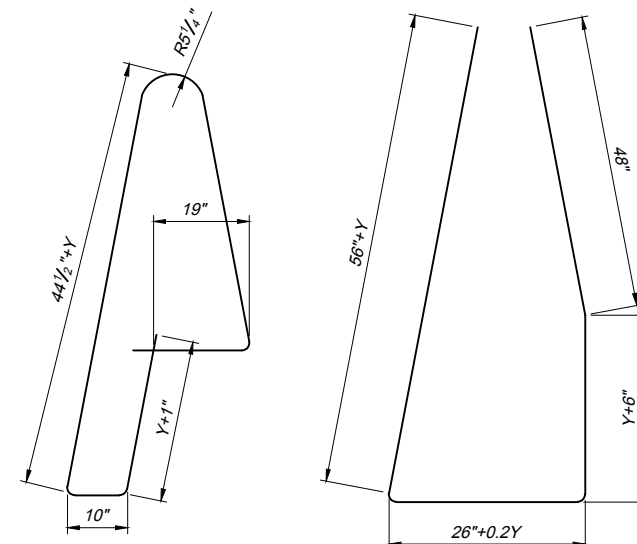


SECTION C-C



CASTING DETAILS

STEEL LIST											
M-5-A		M-5-B		M-5-C		M-5-D		M-5-E		S6 X 12.5	
NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
8	VARIABLES 11'-1" TO 15'-6 1/8"	VARIABLES 11 TO 13	19'-8"	VARIABLES 4 TO 8	4'-8"	5	VARIABLES 11'-3 5/8" TO 14'-9 1/4"	VARIABLES 1 TO 3	12'-0"	2	11'-0"



M-5-D BAR

M-5-A BAR

BAR BENDING DIAGRAM

NOTES:

FOR STANDARD INLET TYPES, NOTES, LEGEND, PLAN VIEW AND SECTION A-A, SEE SHEET 1 OF 2.