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SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

NO.	DATE	REVISION		BY	REASON
		INITIALS	PROJECT		

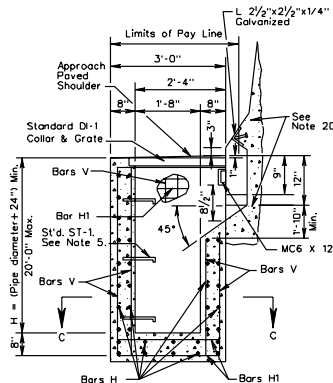
DI-10J, 10K, 10L

TYPE I & III INLET

REINFORCING STEEL					
MARK	SIZE	NO.	LENGTH	SPACE	AS SHOWN
A	#4	6	L - 2'-6"	AS SHOWN	
See Note 9	#4	See Note 7	See Note 8		
A-1	#4	(2xL)+2	4'-0"	12"	
See Note 11					
B	#3	2x(L-4)	1'-1"	12"	
See Note 9					
B-1	#4	9	L+(2'-4")	8"	
See Note 11					
DOWELS	#4	See Note 6	1'-0"	6"	
F	#5	See Note 10	1'-6"	6"	
See Note 9					
H	#5	(4xH)+10	3'-2"	12"	
H1	#5	(4xH)+8	2'-8"	10"	

TYPE - II INLET

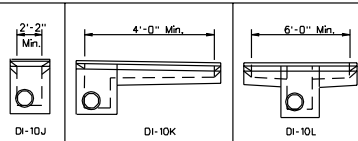
REINFORCING STEEL					
MARK	SIZE	NO.	LENGTH	SPA.	AS SHOWN
A-1	#4	(2xL) 2	4'-0"	12"	
B-1	#4	9	L+(2'-4")	8"	
H-2	#5	See Note 12	7'-8"	10"	
V-1	#4	12	H - (1'-2")	8"	
V-2	#4	30	LENGTH=H	8"	
A	#4	12	L - (2'-6")	AS SHOWN	
See Note 15		See Note 14	See Note 8		
B	#3	4(L-4)	1'-1"	12"	
See Note 15					
DOWELS	#4	DOUBLE NO. SHOWN FOR TYPE I	1'-0"	6"	
F	#5	See Note 13	1'-6"	6"	
See Note 15					
H	#5	(4 + H)+8	3'-2"	12"	
H-1	#5	(4 + H)+16	2'-8"	10"	
V	#4	30	LENGTH=H	8"	
M-1	#5	5	3'-2"	5"	
M	#4	4	1'-8"	12"	



NOTES

FOR USE ADJACENT TO WALL OR BARRIER WITH SAFETY SHAPE (TYPE III)

- VARIES GREATER THAN: 0' TO 18" MAX. TYPE II CHAMBER. 4" TO 3" MAX. TYPE I CHAMBER.
- FOR DETAILS AND DIMENSIONS, NOT SHOWN FOR MEDIAN BARRIER, SEE STANDARD MB-8A.
- GALVANIZED MC-6 X 12 IS TO BE WELDED UNDER THE COLLAR AND EXTENDED INTO SIDEWALLS TO WITHIN 2" OF OUTSIDE FACE.
- ALL REINFORCING BARS ARE TO BE GRADE 60 STEEL WITH MIN. OF 1/2" CONCRETE COVER. ANY BAR IN CONFLICT WITH PIPE, SHELL AND/OR TOP SLAB OPENING ARE TO BE FIELD CUT TO PROVIDE THE REQUIRED COVER.
- DO NOT LOCATE STANDARD ST-1 STEPS ON CHAMBER WALLS THAT HAVE PIPES WHEN POSSIBLE.
- 8 DOWELS REQUIRED FOR DI-10J, MIN. L = 7'-0"; ADD 2 DOWELS FOR EACH ADDITIONAL FOOT. 4 DOWELS REQUIRED FOR DI-10K, MIN. L = 4'-0"; ADD 2 DOWELS FOR EACH ADDITIONAL FOOT.
- 12 BARS A REQUIRED FOR DI-10L.
- LENGTH OF BARS A, DI-10L = $\frac{L}{2} - (2'-6")$
- DO NOT USE WITH DI-10J.
- USE 6 BARS F FOR DI-10L TYPE I.
- DO NOT USE WITH TYPE III.
- ADD 4 ADDITIONAL BARS FOR EACH EXTRA FOOT OF DEPTH.
- USE 12 BARS F FOR DI-10L TYPE II.
- 24 BARS A ARE REQUIRED FOR DI-10L.
- DO NOT USE WITH DI-10J.
- A MINIMUM 22" FOOTING DEPTH IS REQUIRED FOR FORMING THE INLET SLOT. SEE PLANS FOR LENGTH "L".
- REFER TO PLANS FOR STRUCTURE LOCATIONS, DATA AND DIMENSIONS.
- REFER TO PLANS FOR LOCATIONS OF PIPES AND INVERTS.
- FOR TYPE III, COST OF ACCOMMODATION OF INLET THROAT IS TO BE INCLUDED IN COST OF WALL BARRIER.
- FOR TYPE III, SEE WALL PLANS FOR WALL FOOTING DETAILS.
- TYPE I DENOTES INLET WITH SINGLE THROAT AND CHAMBER. TYPE II DENOTES INLET WITH DOUBLE THROAT AND CHAMBER. TYPE III DENOTES INLET WITH SINGLE THROAT AND CHAMBER ADJACENT TO WALL OR BARRIER.
- MAXIMUM PIPE SIZE IS 24" DIAMETER.
- 3" DIAMETER WEEP HOLE TO BE LOCATED TO DRAIN SUBBASE MATERIAL. WEEP HOLE WITH 12" X 12" PLASTIC HARDWARE CLOTH 1/4" MESH OR GALV. STEEL WIRE, MIN. WIRE DIAMETER 0.03", #4 MESH HARDWARE CLOTH ANCHORED FIRMLY TO OUTSIDE OF THE STRUCTURE.
- PROVIDE SAFETY SLABS WHEN SPECIFIED ON THE PLANS.
- WHEN SPECIFIED ON THE PLANS, THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH THE STANDARD IS-1. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.



Sheet 2 of 2

CONCRETE BARRIER DROP INLET (WITH MB-8A)
12"-24" PIPE: DEPTH (H) = 20' MAX.

REV. 7/02
104.29

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE
233
302

REV. 7/02

SPECIAL DESIGN SECTION
DRAWING NO. A-110

DATE	BY	CHK.	APP.

07/16/2007/10/09