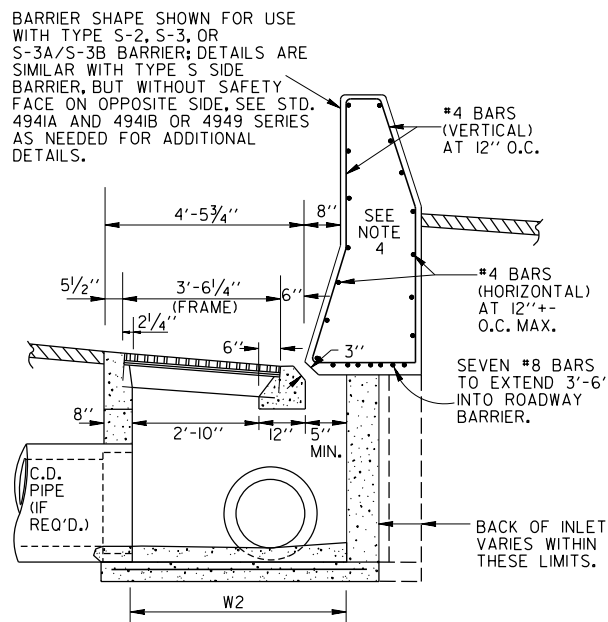
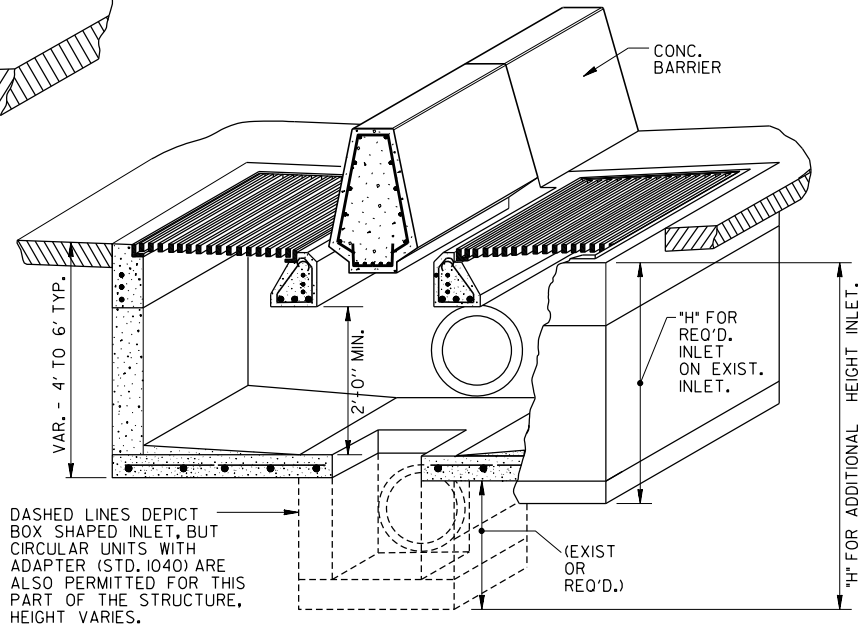
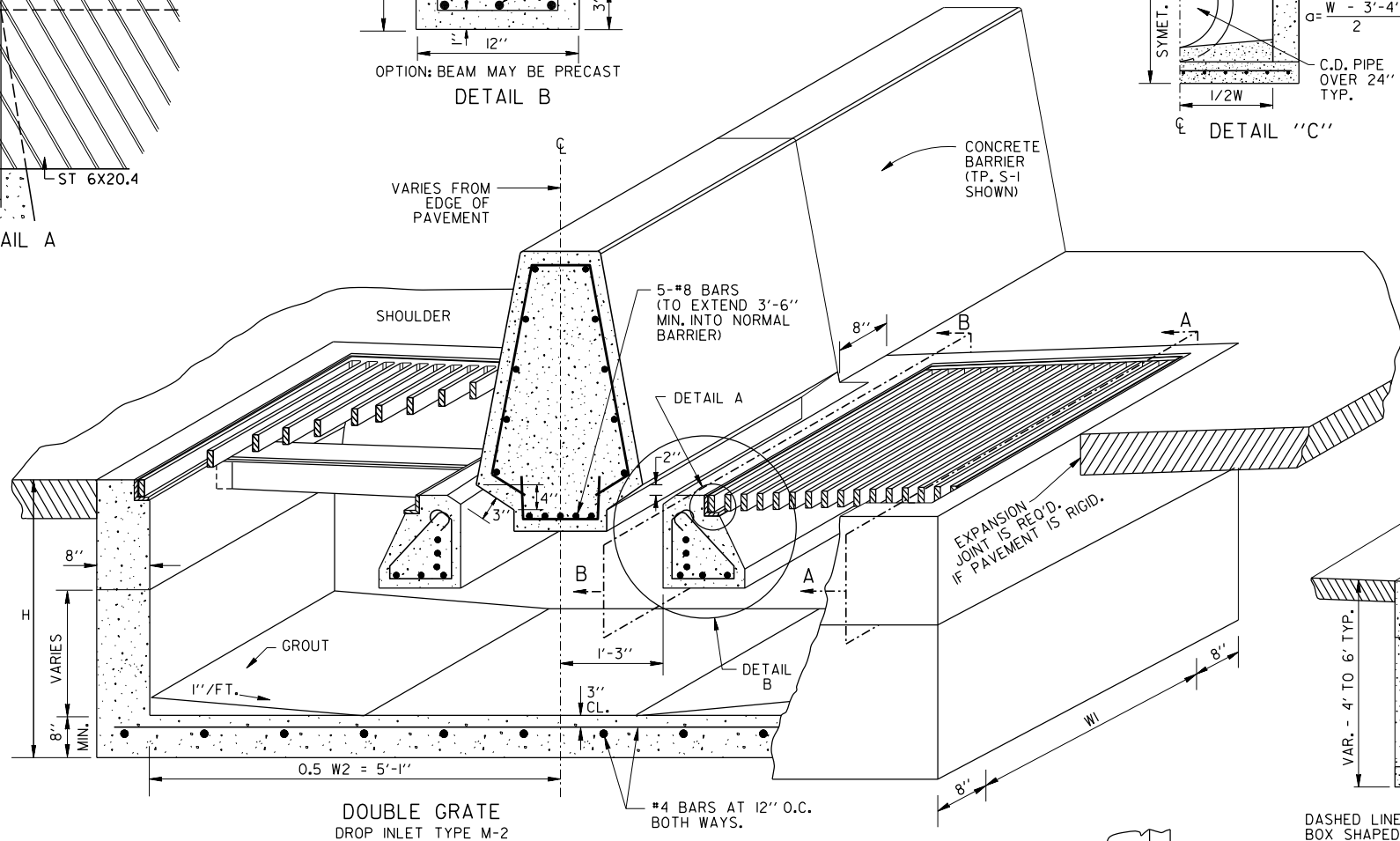
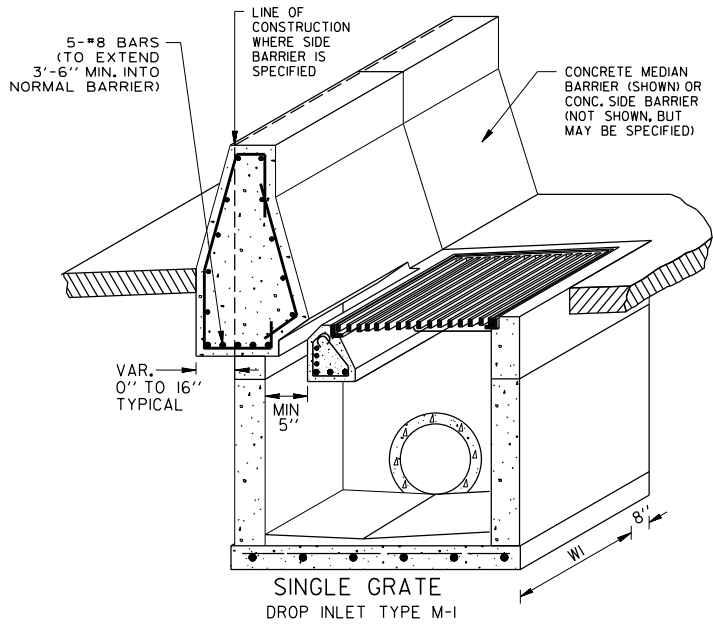
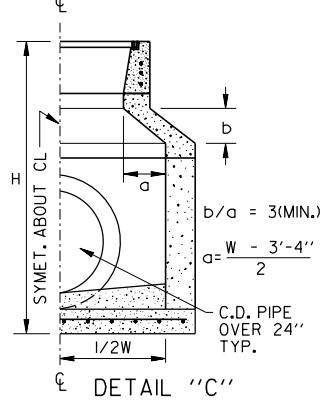
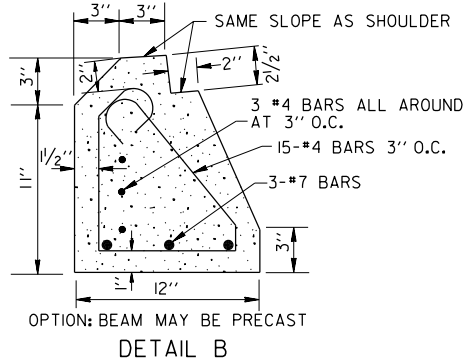
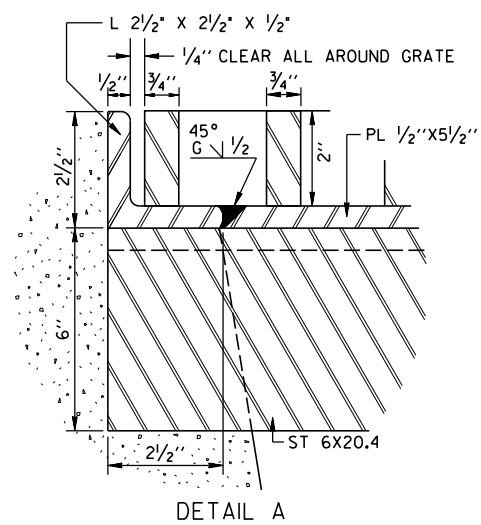
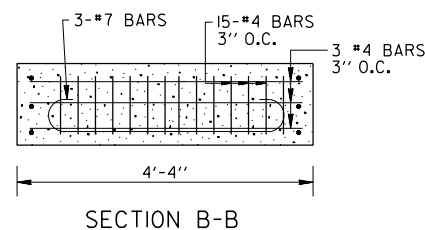


DROP INLET TYPE M-1 WITH TYPE 6-S OR TYPE S-2, S-3, OR S-3A/S-3B CONCRETE BARRIER (TYP.)

NOTE: SEE DETAIL "C" FOR C.D. OVER 24"



MINIMUM DIMENSIONS: INLET WITH CROSS DRAIN PIPE				
PIPE SIZE	W1	a	b	MIN. H
15"	3'-0"	—	—	3'-10"
18"	3'-0"	—	—	4'-2"
24"	3'-0"	—	—	4'-9"
30"	3'-6"	1"	3"	5'-4"
36"	4'-0"	4"	1'-0"	6'-4"
42"	4'-6"	7"	1'-9"	7'-8"
48"	5'-0"	10"	2'-6"	9'-0"
54"	5'-6"	1'-1"	3'-3"	10'-4"
60"	6'-0"	1'-4"	4'-0"	11'-8"

MINIMUM DIMENSIONS: INLET WITH LONGITUDINAL PIPE			
PIPE SIZE	W2		MIN. H
	TYPE M-1	TYPE M-2	
15"	4'-3"	10'-2"	3'-10"
18"	4'-3"	10'-2"	4'-2"
24"	4'-3"	10'-2"	4'-9"
30"	4'-3"	10'-2"	5'-4"
36"	4'-3"	10'-2"	5'-10"
42"	4'-10"	10'-2"	6'-6"
48"	5'-8"	10'-2"	7'-1"

REV. M-1 D.I. DET. DIM. TO 8" 07-01-25

REVISED GEN. NOTE NO. 8 07-01-23

SINGLE SLOPE BARRIER 07-01-23

REMOVED BRICK BOXES

REV. GEN. NOTES NO. 2, 5-10 6-14-10

REDRAWN 6-30-98

ADD SPECIAL NOTE 8-15-97

ADD NOTE 6 9-11-94

DATE

REVISION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
DROP INLET TYPES M-1 & M-2
ADJACENT TO CONCRETE MEDIAN BARRIER OR SIDE BARRIER

NOT TO SCALE

MAY 1996

DES. W.J.W.S.
DRW. L.G.S.
TRA. R.M.U.
CHK. R.K.C.

(SUBMITTED) *Daniel C. Rose*
STATE DESIGN POLICY ENGINEER

(APPROVED) *Magnus B. Pyle*
CHIEF ENGINEER

NUMBER
500I-M
SHEET 1 OF 2

- ### GENERAL NOTES
- SPECIFICATION: GEORGIA STANDARD CURRENT EDITION, AND SUPPLEMENTS THERETO.
 - STANDARD 500I-M INLET GRATES ARE FOR USE ONLY ON LIMITED ACCESS TYPE FACILITIES, WHERE BICYCLES AND SCOOTERS ARE PROHIBITED.
 - INVERTS AND PIPES SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS SHALL BE FORMED WITH GROUT OR CONCRETE AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
 - FOR CONCRETE BARRIER DETAILS NOT SHOWN, SEE SEPARATE STANDARDS OR PLAN DETAILS. IF THE ROADWAY BARRIER HAS REINFORCING STEEL, THE REINFORCEMENT SHALL BE CONTINUED IN BARRIER SECTION ACROSS THE INLET. ADDITIONAL REINFORCING REQUIRED WHERE SHOWN.
 - FOR USE ONLY ADJACENT TO CONCRETE BARRIER; IN SHOULDERS GREATER THAN 4'-6" WIDE. FOR NARROWER SHOULDERS, 500I-N SHALL BE USED.
 - IF THE BASE OF THE INLET STRUCTURE CONFLICTS WITH AN EXISTING BARRIER (OR WALL) FOOTING, THE FOOTING MAY BE NOTCHED OUT AS SMALL AS POSSIBLE TO FIT THE STRUCTURE. IF AN EXISTING FOOTING OR TRAVEL LANES PREVENT NORMAL LOCATION OF LONGITUDINAL PIPES, AND IF THE OFFICES OF HYDRAULICS AND BRIDGES APPROVE FOR DRAINAGE AND STRUCTURAL INTEGRITY RESPECTIVELY, A CLASS 5 LONGITUDINAL PIPE MAY BE LOCATED UNDER A NEW RECONSTRUCTED BARRIER (OR WALL) FOR THE CONFLICTING LENGTH WITH THE USE OF A DROP STRUCTURE.
 - DRAINAGE STRUCTURES SHALL NOT BE PLACED WITHIN ANY TRAVEL LANES.
 - ALL COLLAR AND BOX REINFORCEMENT SHALL HAVE MINIMUM 2" CLEARANCES FROM ALL EXTERIOR AND INTERIOR FACES.
 - ALL MODIFIED BARRIER REINFORCEMENT SHALL HAVE MINIMUM 3" CLEARANCES FROM ALL FACES.
 - ALL MODIFIED CONCRETE BARRIER WILL BE PAID FOR UNDER THE SAME ITEM AS THE EXISTING OR PROPOSED CONCRETE BARRIER TYPE IT REPLACES.

NOTES:
STEPS ARE REQ'D. ON ALL STRUCTURES WHERE H IS GREATER THAN 4'-0".
THE NUMBER AND LOCATION OF STEPS WILL BE AS DIRECTED BY THE ENGINEER
AN ALTERNATE STEP MAY BE SUBSTITUTED, IF APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & TESTING.