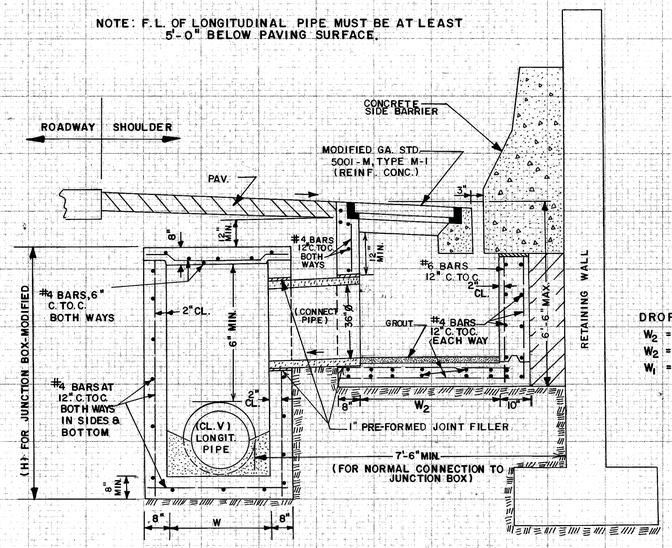
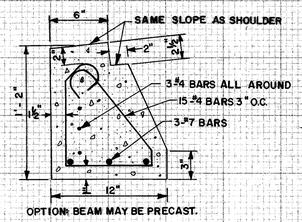
RELEASED FOR CONSTRUCTION - 12/05/11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

MODIFIED TYPE M-1 DROP INLET & JUNCTION BOX

NOTE: F.L. OF LONGITUDINAL PIPE MUST BE AT LEAST 5'-0" BELOW PAVING SURFACE.

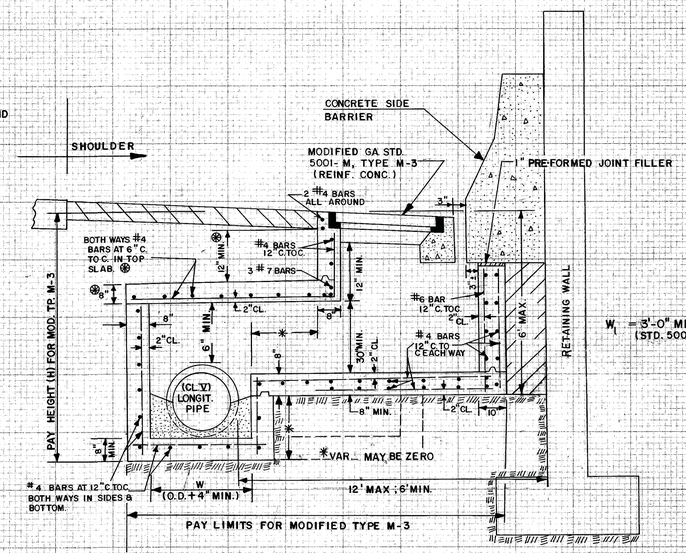




DROP INLET:
W_2 = 4'-3" MIN. FOR NORMAL CONNECTION
W_2 = 4'-6" MIN. FOR SKEWED CONNECTION
W_1 = 3'-0" MIN. (STD. 5001-M)

JUNCTION BOX DIMENSIONS MODIFIED FOR CONNECTION TO MOD. TYPE M-1 INLET						
I.D. OF LONGIT. PIPE	NORMAL CONNECTION TO BACK OF JUNCTION BOX (LEFT)			SKEWED CONNECTION TO SIDE OF JUNCTION BOX (BELOW)		
	W	W_1	H	W	W_1	H
15"	3'-0"	4'-0"	5'-6"	4'-6"	3'-0"	7'-3"
18"	3'-0"	4'-0"	5'-6"	4'-6"	3'-0"	7'-10"
24"	3'-0"	4'-0"	5'-6"	4'-6"	3'-0"	8'-6"
30"	3'-5"	4'-0"	5'-6"	4'-6"	3'-0"	9'-1"
36"	4'-0"	4'-0"	5'-6"	4'-6"	3'-0"	9'-8"
42"	4'-7"	4'-0"	6'-1"	4'-7"	3'-0"	10'-3"
48"	5'-2"	4'-0"	6'-9"	5'-2"	3'-0"	10'-10"

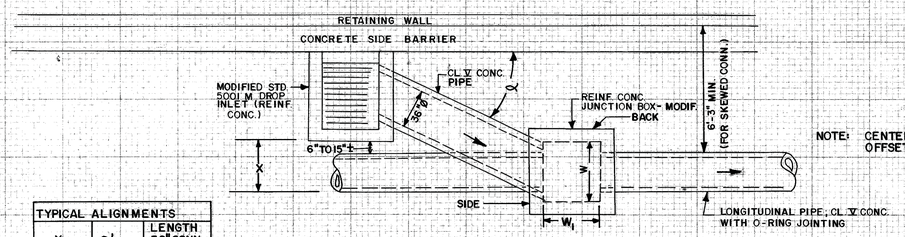
MODIFIED TYPE M-3 DROP INLET



12" COVER MAY BE REDUCED TO ZERO BY INCREASING TOP SLAB TO 10" THICK, WITH #8 BARS @6" c. To c. BOTH WAYS.

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.
2. GRATE & FRAME OR OTHER INLET DETAILS NOT SHOWN SHALL BE ACCORDING TO GA. STD. No 5001-M.
3. CONCRETE PIPE ON EITHER SIDE OF RETAINING WALL SHALL BE CLASS V FOR ANY DEPTH. JOINTS BETWEEN CONCRETE PIPE SECTIONS ON EITHER SIDE SHALL BE O-RING. PIPE EXTENDING THRU OR UNDER WALL WILL REQUIRE SPECIAL ENCASEMENT PER SEPARATE PLAN DETAILS.
4. LONGITUDINAL PIPE SHALL BE OFFSET FROM WALL AS FAR AS FEASIBLE.



NOTE: CENTER OF LONGITUDINAL PIPE MAY BE OFFSET FROM CENTER OF JUNCTION BOX.

TYPICAL ALIGNMENTS		
X	α	LENGTH 36" CONN.
TO 2'-6"	20° ±	12' MIN.
TO 3'-6"	30° ±	12' MIN.
TO 5'-0"	30° ±	16' MIN.

PLAN VIEW WITH SKEWED CONNECTION

NOTE: TOP OF LONGITUDINAL PIPE MUST BE AT LEAST 6'-3" BELOW PAVING SURFACE TO USE SKEWED CONNECTION SHOWN HERE.

SPECIAL NOTE:

STANDARD 5001-M INLET GRATES ARE FOR USE ONLY ON LIMITED ACCESS TYPE FACILITIES. USE OTHER DETAILS (STD. D-98 TYP) WHERE BICYCLES ARE PERMITTED.

PAY ITEMS:

668-5020 JUNCTION BOX, MODIFIED _____ EACH
668-2231 DROP INLET, GP. I, MODIFIED TP. M-1 _____ EACH
668-2233 DROP INLET, GP. I, MODIFIED TP. M-3 _____ EACH

NOTE: 36" CONNECTOR PIPE SHALL BE PAID FOR AS LIN. FT. OF STORM DRAIN PIPE.

TYPES M-1 & M-3 MODIFIED STD. 5001-M DROP INLETS

(FOR USE IN FRONT OF R.E. WALLS)

REDR.-JAN, 1989

D-36

FORM EF00003

THE LPA GROUP
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY
CONSTRUCTION DETAILS

DRAWING No. 40-010