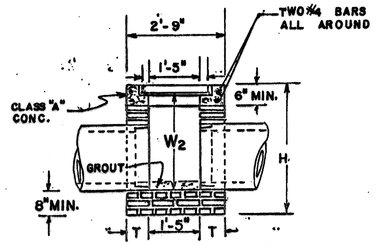
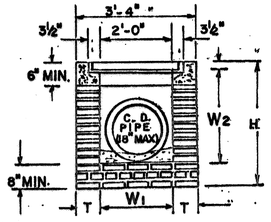
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH15-M001-00 (218)	12	42

TYPE "A"

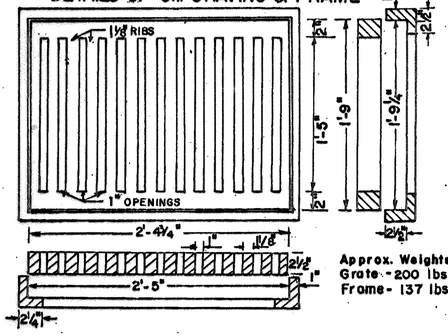


LONGITUDINAL SECTION



CROSS SECTION

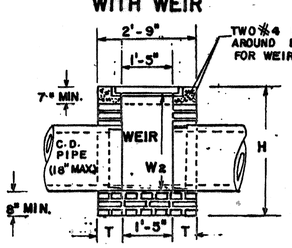
PLAN



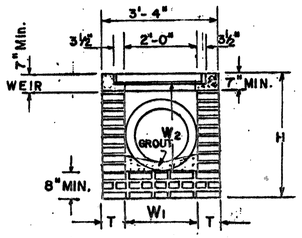
DETAILS OF C.I. GRATING & FRAME

Approx. Weights:
Grate - 200 lbs.
Frame - 137 lbs.

TYPE "B" WITH WEIR



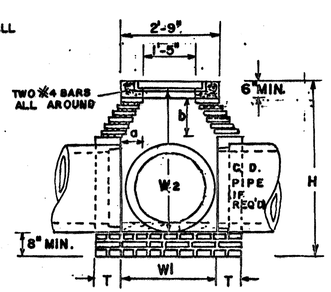
LONGITUDINAL SECTION



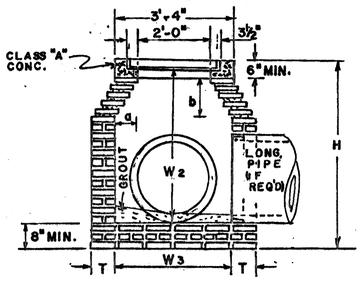
CROSS SECTION

PLAN OF CONCRETE COPING SHOWING WEIR

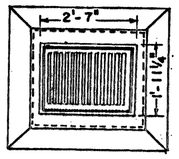
TYPE "C"



LONGITUDINAL SECTION

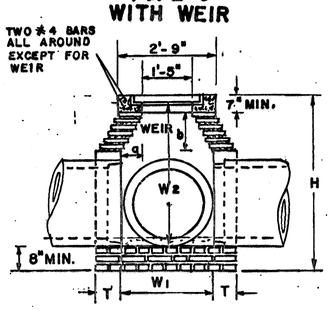


CROSS SECTION

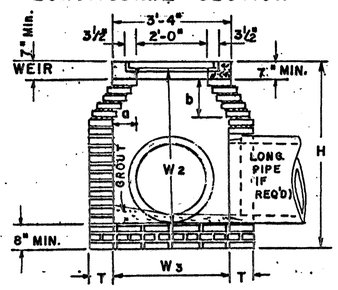


PLAN

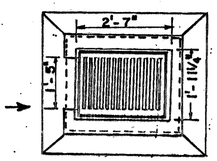
TYPE "C" WITH WEIR



LONGITUDINAL SECTION



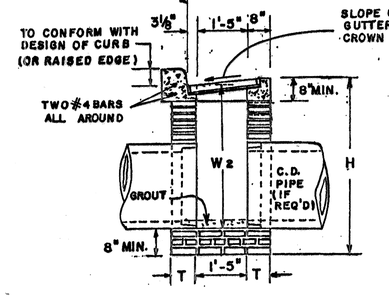
CROSS SECTION



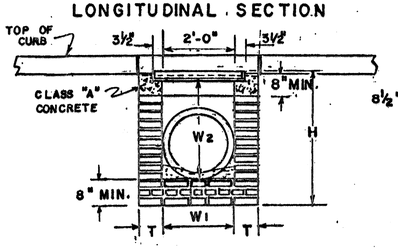
PLAN

TRAFFIC FLOW
SEE NOTE #4

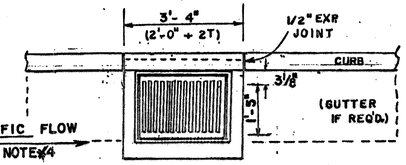
TYPE "D"



LONGITUDINAL SECTION



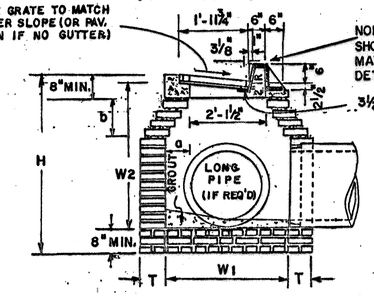
CROSS SECTION



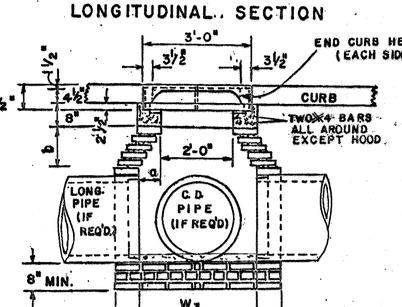
PLAN

NOTE:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.

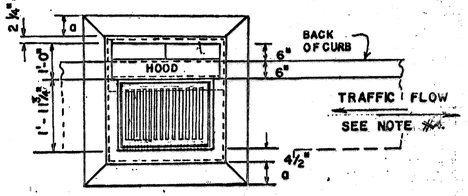
TYPE "E" (WITH HOOD)



LONGITUDINAL SECTION

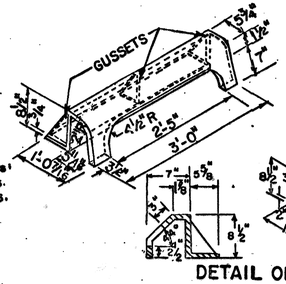


CROSS SECTION

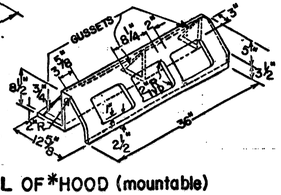


PLAN

DETAIL OF *HOOD (non-mountable) (use with Tp2 Curb)

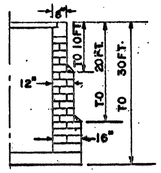


DETAIL OF *HOOD (mountable) (use with Tp7 Curb)



*CONTRACTOR SHALL SPECIFY EITHER MOUNTABLE OR NON-MOUNTABLE TO FOUNDRY IF HOOD IS REQUIRED.

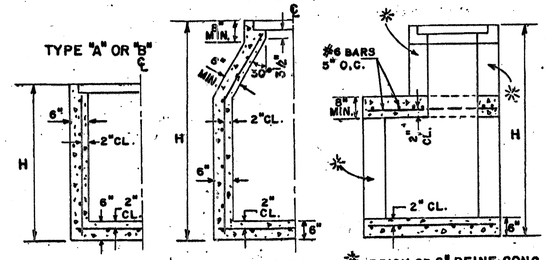
BRICK WALL THICKNESSES (FOR ALL TYPE INLETS)



NOTE:
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.

CONSTRUCTION ALTERNATES

TYPE "C", "D" OR "E"



NOTE: CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS. 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.

NOTE: FOR PRECAST ALTERNATES, SEE STD. 1019-A PRECAST AND/OR STD. 1040, PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

SPECIAL NOTE:

STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

NOTE:
MINIMUM DIMENSIONS GIVEN IN TABLE BELOW ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES WITH NORMAL COVER AND CLEARANCES. THESE DIMENSIONS MAY BE MODIFIED IF SO DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. DIMENSIONS GIVEN ARE MINIMUM EXCEPT FOR "a" WHICH IS MAXIMUM.

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES "A" or "B" BRICK OR REINF CONC			TYPE "C" OR "D" (BRICK)						TYPE "E" (BRICK)						TYPE "C", "D" OR "E" (REINFORCED CONCRETE)						
	W1	W2	H(MIN.)	W1	W2	W3	a (max.)	b	H(MIN.)	W1	W2	W3	a (max.)	b	H(MIN.)	W1 TYPE "C"	W1 TYPE "E"	W2	W3	a (max.)	b'	H (MIN.)
15"	2'-0"	2'-7"	3'-3½"	2'-2⅛"	2'-11"	2'-9⅛"	0'-4⅞"	0'-7⅛"	3'-9½"	3'-2⅛"	3'-1"	3'-0⅛"	0'-7⅛"	1'-1⅛"	3'-11½"	2'-0"	2'-1"	2'-7"	2'-0"	3½"	6"	3'-6"
18"	2'-0"	2'-10"	3'-7"	2'-2⅛"	3'-2½"	2'-9⅛"	0'-4⅛"	0'-7⅛"	4'-1"	3'-2⅛"	3'-4½"	3'-0⅛"	0'-7⅛"	1'-1⅛"	4'-1"	2'-0"	2'-1"	3'-0"	2'-0"	3½"	6"	3'-10"
24"	~	~	~	2'-8⅛"	3'-3⅛"	3'-3⅛"	0'-7⅛"	1'-1⅛"	4'-9"	3'-2⅛"	3'-11½"	3'-0⅛"	0'-7⅝"	1'-1⅛"	4'-8½"	2'-8"	2'-9"	3'-8"	2'-6"	6½"	11¼"	4'-7"
30"	~	~	~	3'-7½"	4'-0½"	3'-10½"	1'-0½"	1'-9"	5'-10"	3'-3½"	4'-6⅞"	3'-4"	0'-8"	1'-1⅞"	5'-6⅞"	3'-4"	3'-6"	4'-9"	3'-0"	9½"	16½	5'-10"
36"	~	~	~	4'-1⅛"	4'-6⅞"	4'-6⅛"	1'-4⅛"	2'-2½"	6'-11⅛"	3'-11½"	5'-3⅞"	3'-10"	0'-11"	1'-7⅛"	6'-7⅛"	3'-10"	4'-0"	5'-10"	3'-9"	1'-2"	2'-0"	6'-10"
42"	~	~	~	4'-5"	5'-0"	5'-0"	1'-6"	2'-7⅛"	8'-0½"	4'-6½"	7'-5⅛"	4'-5"	1'-2½"	2'-1⅛"	8'-4⅛"	4'-5"	4'-6"	7'-0"	4'-3"	1'-5"	2'-5½"	7'-11"
48"	~	~	~	5'-0"	5'-7"	5'-7"	1'-9½"	3'-1¼"	9'-1¼"	5'-1½"	8'-6⅝"	5'-0"	1'-6"	2'-7⅛"	9'-5⅛"	5'-0"	5'-0"	8'-2"	5'-0"	1'-9½"	3'-1½"	9'-2"
54"	~	~	~	5'-7"	9'-4"	6'-2"	2'-1"	3'-7½"	10'-2½"	5'-8½"	9'-7⅝"	5'-7"	1'-9½"	3'-1⅛"	10'-6½"	5'-6"	5'-6"	9'-2"	5'-6"	2'-0½"	3'-6½"	10'-0"
60"	~	~	~	6'-2"	10'-4⅞"	6'-9"	2'-4½"	4'-0⅛"	11'-3¼"	6'-3½"	10'-8⅛"	6'-2"	2'-1"	3'-7⅛"	11'-7⅛"	6'-0"	6'-0"	10'-3"	6'-0"	2'-3½"	4'-0"	11'-1"

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD AND/OR SPECIAL PROVISIONS.
2. 1/2" EXPANSION JOINTS WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL. SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN. BOTTOM SLAB MAY BE 6" MIN. NON-REINFORCED CONCRETE, 8" BRICK OR 6" MIN. REINFORCED CONCRETE. SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

REVISION	BY	DATE
ADD SPEC. NOTE FOR HYDRAULICS	R.H.G.	12-10-93
ADD NON-M. DETAIL HOOD	K.L.J.	6-5-87

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
DROP INLETS
(BUILT-IN-PLACE)

NO SCALE — REV. & REDR. APRIL, 1981

DES. 12-51 (SUBMITTED) Floyd E. Hurley
REV. R.M.U. — STATE ROAD & AIRPORT DESIGN ENGR.
TRA. G.M.E.
CHK. R.K.C. (APPROVED) Thomas D. Moreland
STATE HIGHWAY ENGINEER

NUMBER 1019A

FORM EF3