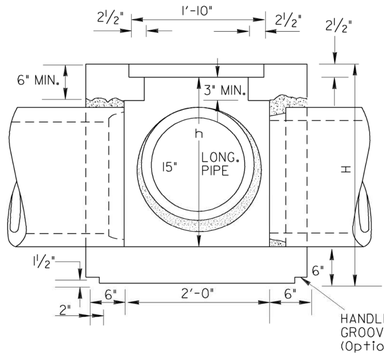
9/28/2006 9:28:29 AM \\GDOT-DSN1\GDPLOT\QCF\go_tiff_output.qcf gowens M:\GARY\alphalt to concrete\1019AP.prf GQ-RD6

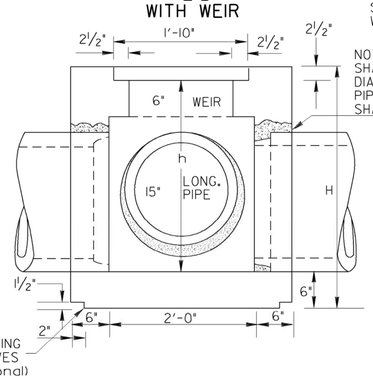
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		072	120

NOTE:
SEE STANDARD 1019-A- BRICK DROP INLETS- FOR DETAIL OF GRATING FRAME,HOOD,ETC., WHERE NEEDED.

TYPE "A"

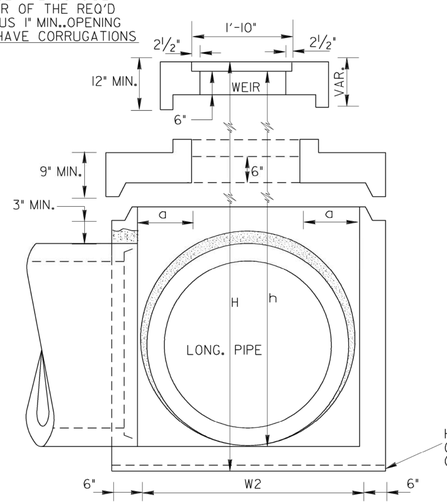


TYPE "B" WITH WEIR

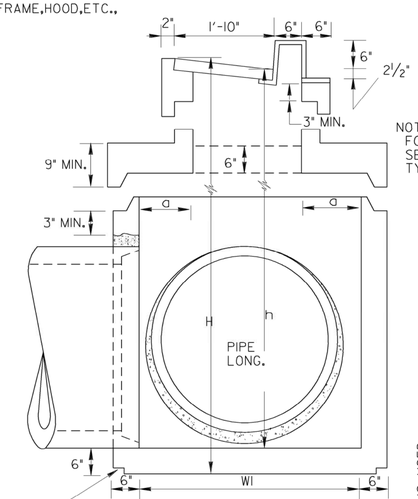


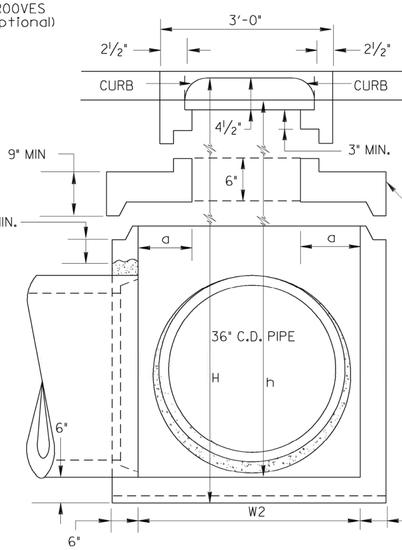
NOTE: OPENING FOR PIPE SHALL BE THE OUTSIDE DIAMETER OF THE REQ'D PIPE PLUS 1" MIN..OPENING SHALL HAVE CORRUGATIONS

TYPE "C" (WITH OR WITHOUT WEIR)



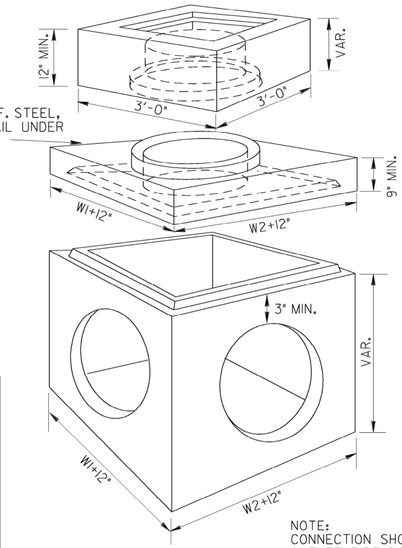
TYPE "E"





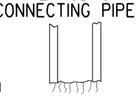
IF THIS SWIVEL SECTION SLAB IS USED TO REDUCE THE W OR WIDIMENSIONS, INCREASE THE MIN. THICKNESS TO 9" AND USE REINF. STEEL SHOWN UNDER TYPE "C"

ISOMETRIC VIEW OF DROP INLET TYPE "C" OR "E" FOR PIPES LARGER THAN 18"(WITH OR WITHOUT WEIR)



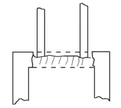
NOTE:
FOR REINF. STEEL, SEE DETAIL UNDER TYPE "C"

METHOD OF CONNECTING PIPE



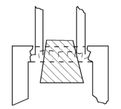
STEP 1

CUT CONCRETE PIPE LEAVING APPROXIMATELY 3" OF REINFORCING MESH EXPOSED.



STEP 2

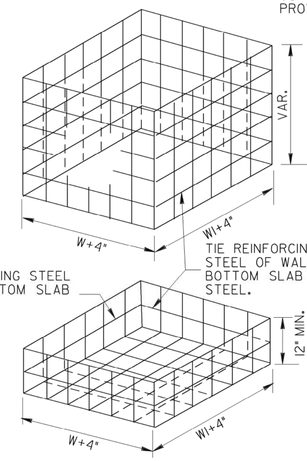
POSITION PIPE APPROXIMATELY 3" INTO OPENING OF WALL.



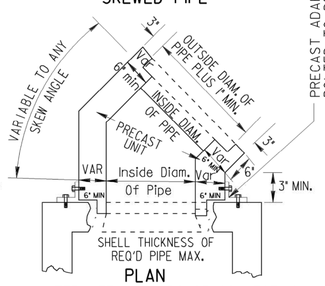
STEP 3

POSITION CONICAL CORE INSIDE OF PIPE AND SEAL WITH GROUT (1/2" MIN. THICKNESS OF GROUT). REMOVE CORE WHEN SET AND RUB GROUT TO SEAL JOINTS.

NOTE:
CONNECTION SHOWN ABOVE FOR USE WHERE CONCRETE OUTLET PIPE DOES NOT HAVE BELL OR HUB END PROVIDED AT STRUCTURE OUTLET.

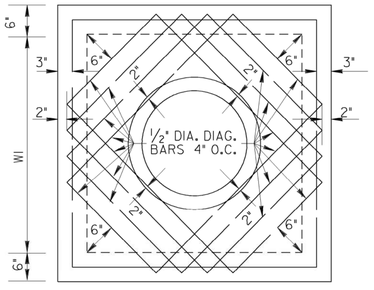


ALTERNATE METHOD OF CONNECTION SKEWED PIPE



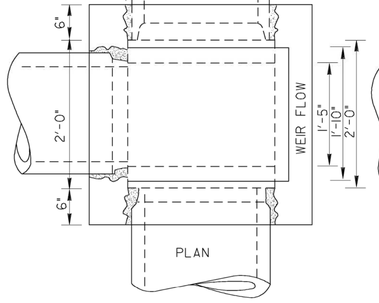
PLAN

ALTERNATE METHODS OF CONNECTING SKEWED PIPES MAY INCLUDE PIPE ELBOWS OR CIRCULAR PRECAST BASE UNITS. SEE SEPARATE STANDARDS.



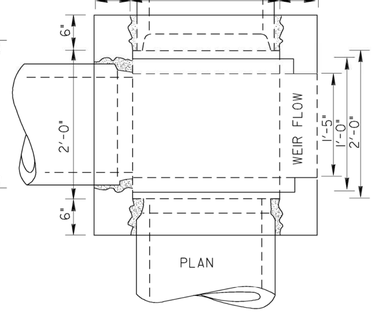
SCALE: ¾" =1

FOR OTHER DETAILS, SEE TYPE "B"



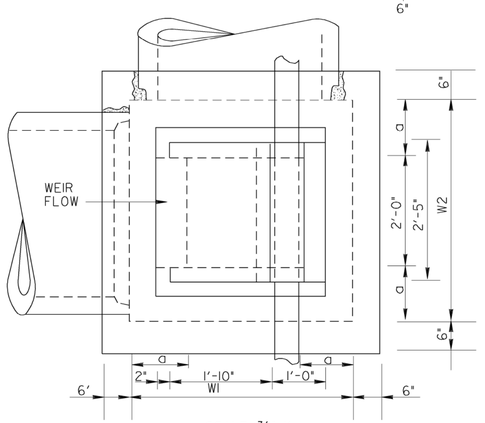
PLAN

SCALE: 1" =1'



PLAN

SCALE: 1" =1'



SCALE: ¾"=1'

DIMENTIONS FOR DROP INLETS

PIPE SIZE	TYPE "A"		TYPE "B"		TYPE "C"				TYPE "E"				
	MIN. h	MIN. H	MIN. h	MIN. H	Wlor W2	a	MIN. h	MIN. H	Wlor W2	a	MIN. h	MIN. H	
15"	2'- 0"	2'-8½"	2'- 7"	3'-3½"	2'- 0"		2'-7"	3'-3½"	2'- 0"		2'-7"	3 - 3½"	
18"	2'-3½"	3'- 0"	2'-10"	3'-6½"	2' - 0"		2'-10"	3'-6½"	2'- 0"		2'-10"	3 - 6½"	
24"					3' - 0"	0'- 6"	4'- 3½"	5'- 0"	3'- 0"	0'- 6"	4'- 7"	5 - 3 "	
30"					3' - 6"	0'- 9"	4'-10½"	5'- 7"	3'- 6"	0'- 9"	5'- 2"	5 - 10"	
36"					4' - 0"	1'- 0"	5'- 5½"	6'- 2"	4'- 0"	1'- 0"	5'- 9"	6 - 3 "	
42"					4' - 6"	1'- 3"	6'-½"	6'- 8"	4'- 6"	1'- 3"	6'- 4"	7 - 0 "	
48"					5' - 0"	1'- 6"	6'- 7½"	7'- 3"	5'- 0"	1'- 6"	6'- 11"	7 - 7 "	
54"					5' - 6"	1'- 9"	7'- 2½"	7'-10"	5'- 6"	1'- 9"	7'- 6"	8 - 2 "	
60"					6' - 0"	2'- 0"	7'- 9½"	8'- 5"	6'- 0"	2'- 0"	8'- 1"	8 - 9 "	

NOTE:
SEE STANDARD 1019A (BRICK) AND STANDARD 1040 FOR CONSTRUCTION ALTERNATES BRICK MASONRY AND CIRCULAR PRECAST SECTIONS RESPECTIVELY.

NOTE: REINFORCING STEEL SHALL BE No. 4 STEEL BARS AT 12" O.C. BOTH WAYS OR EQUIVALENT WIRE FABRIC REINFORCING.

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD PRECAST DROP INLETS

SCALE AS SHOWN — AUG. 1999

DESIGNED
DRAWN
TRACED
CHECKED

(SUBMITTED) STATE ROADS & AIRPORT DESIGN ENGINEER

(APPROVED) CHIEF ENGINEER

DATE | REVISION | BY

NUMBER 1019A PRECAST

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