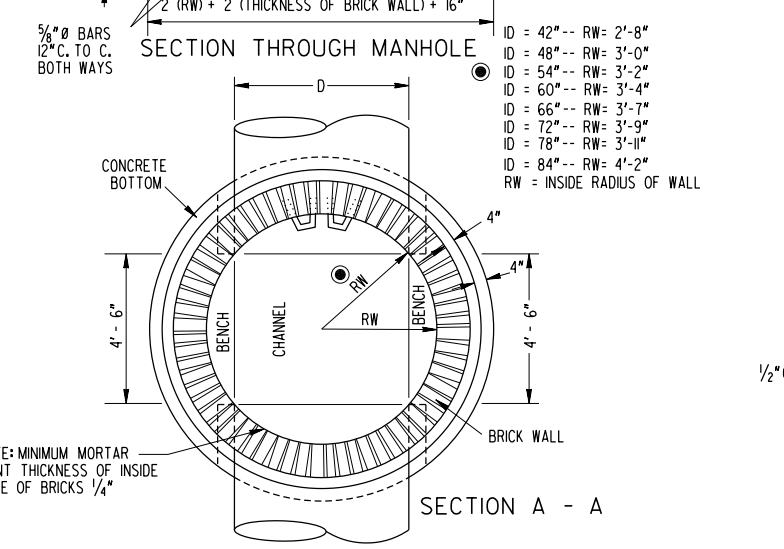
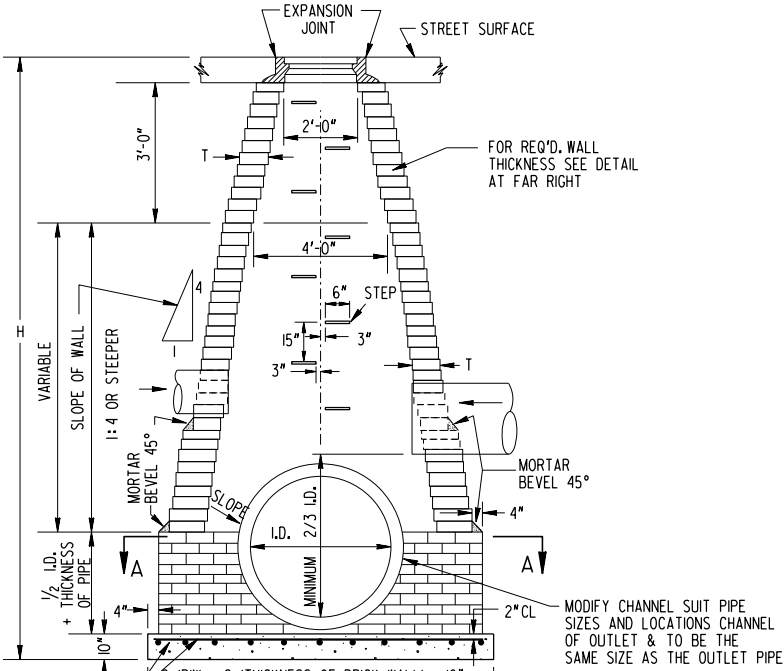
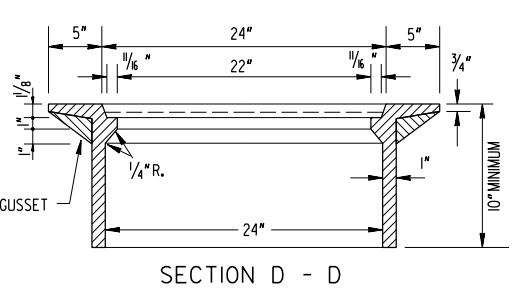
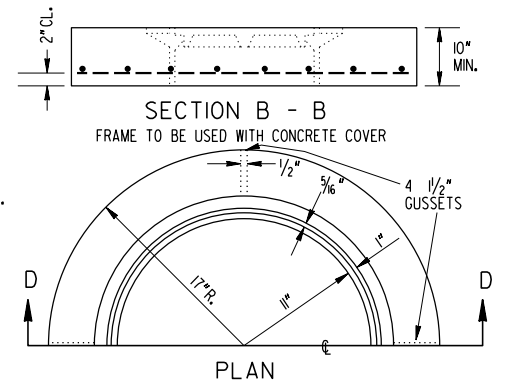
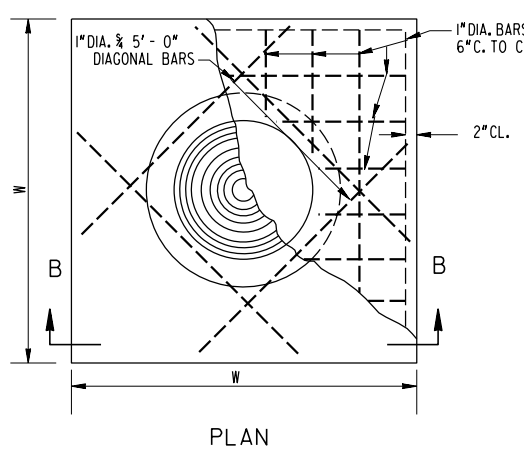


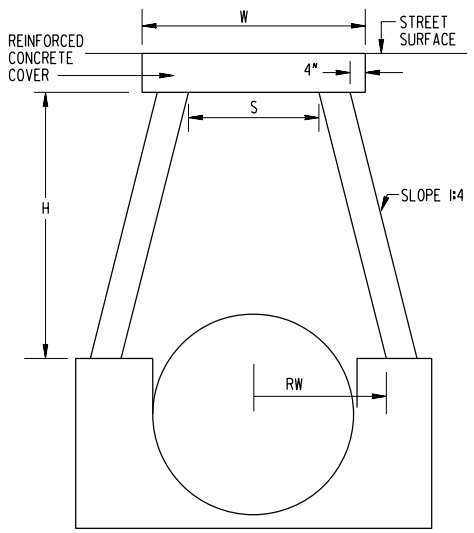
BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS 48" OR MORE)



REINFORCED CONCRETE COVER



PLACEMENT FOR CONCRETE COVER



FORMULA FOR COMPUTING W
RW = INSIDE RADIUS OF WALL
 $S = 2RW - \frac{\pi}{2}$
 $W = S + 24"$

NOTE:
USE CONCRETE COVER WITH MANHOLE CASTINGS
IF FILL FROM TOP OF PIPE TO FINISHED SURFACE
IS LESS THAN:

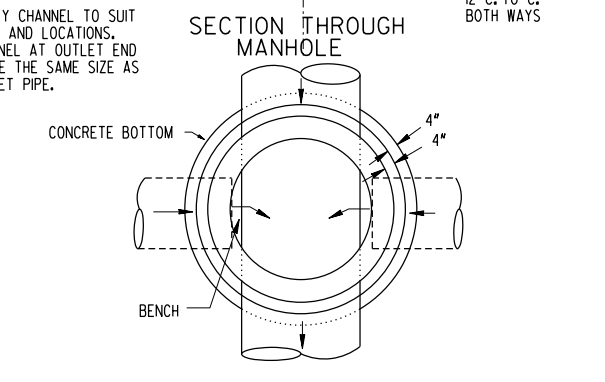
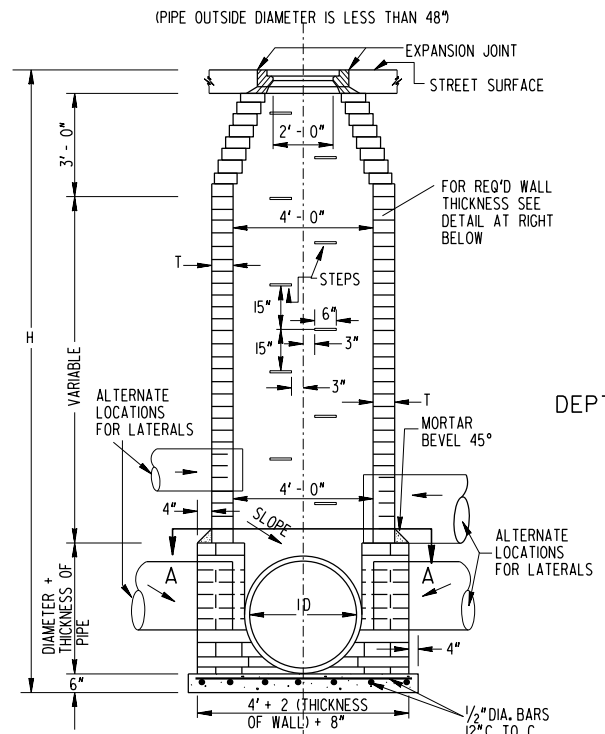
4'-6" FOR 42" PIPE
5'-0" FOR 48" PIPE
5'-6" FOR 54" PIPE
6'-0" FOR 60" PIPE
6'-6" FOR 66" PIPE
7'-0" FOR 72" PIPE
7'-6" FOR 78" PIPE
8'-0" FOR 84" PIPE

THICKNESS OF BRICK WALL
(SEE DETAIL AT FAR RIGHT)

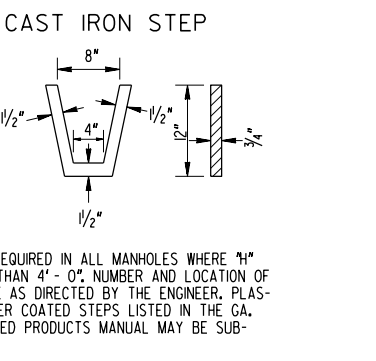
DEPTH	THICKNESS (T)
TO 10'	8" MIN.
10' TO 20'	12" MIN.
20' TO 30'	16" MIN.

*FOR COMBINATION BRICK & PRECAST M.H.
(SEE BELOW) ONLY 12" OR 16" BRICK WALL
THICKNESS IS TO BE USED FOR BASE.

BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS LESS THAN 48")

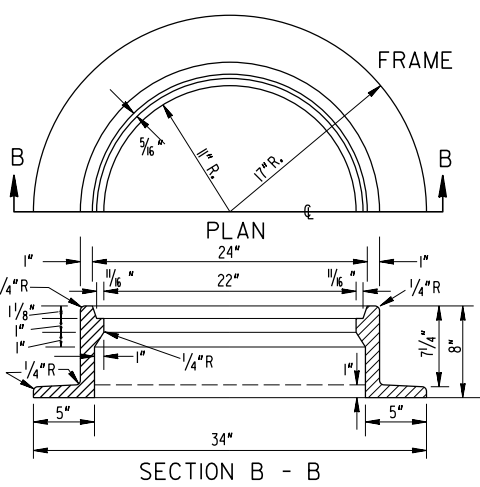
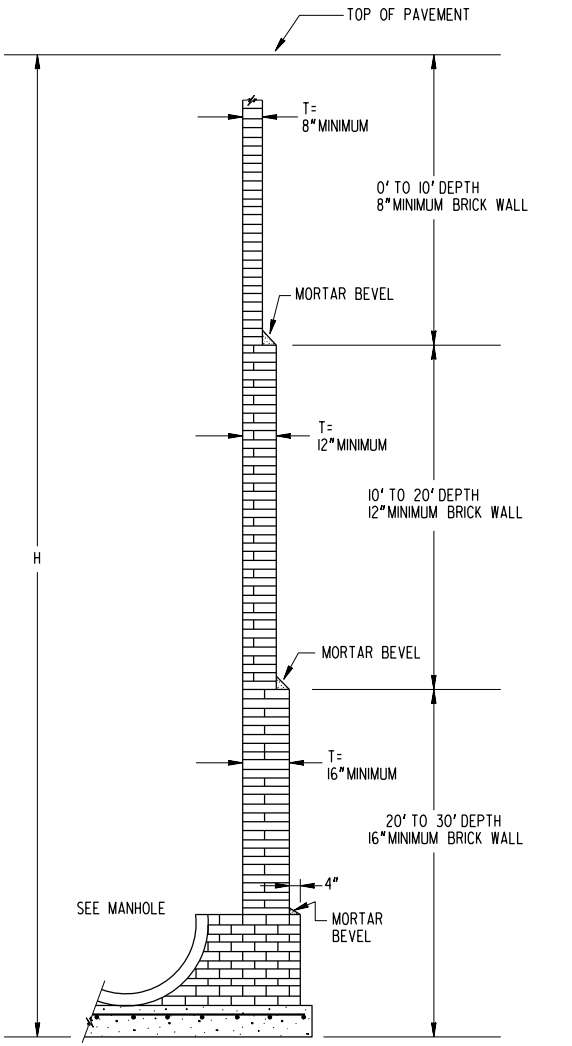


MODIFY CHANNEL TO SUIT
PIPES AND LOCATIONS.
CHANNEL AT OUTLET END
TO BE THE SAME SIZE AS
OUTLET PIPE.



NOTE:
STEPS ARE REQUIRED IN ALL MANHOLES WHERE "H"
IS GREATER THAN 4'-0". NUMBER AND LOCATION OF
STEPS TO BE AS DIRECTED BY THE ENGINEER. PLAS-
TIC OR RUBBER COATED STEPS LISTED IN THE GA.
D.O.T. QUALIFIED PRODUCTS MANUAL MAY BE SUB-
STITUTED.

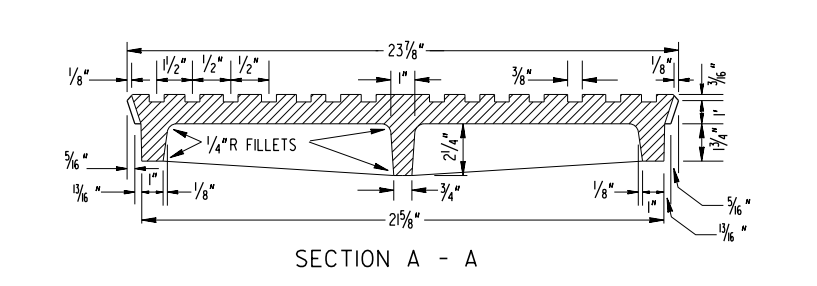
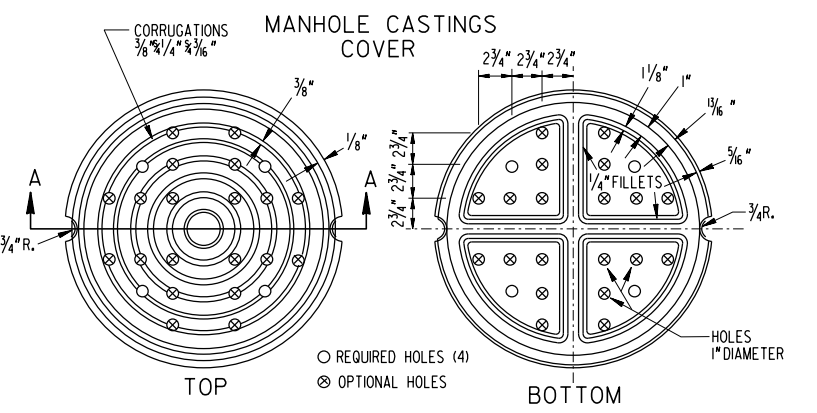
DEPTH LIMITS FOR INCREASING WALL THICKNESS



APPROXIMATE WEIGHTS
C.J. FRAME 282 LBS.
C.J. COVER 178 LBS.

NOTE: COVER AND FRAME MUST BE FITTED BEFORE LEAVING SHOP,
PAINT ACTUAL WEIGHT OF EACH CASTING ON ITS FACE.

MANHOLE FRAME & COVER SHOWN ON STD. IOIA PRECAST
MAY BE USED AS AN ALTERNATE TO CASTINGS SHOWN HERE.

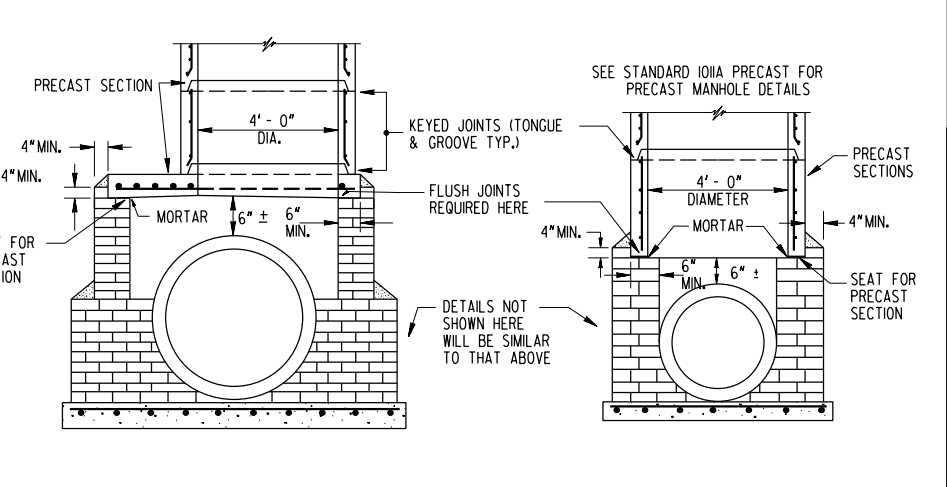


ALTERNATE - COMBINATION BRICK & PRECAST MAN HOLES

NOTES FOR COMBINATION MANHOLE:
- BRICK PORTION OF MANHOLE WILL BE CONSTRUCTED WITH SEAT TO GIVE BEST POSSIBLE FIT FOR PRECAST UNIT.
MINIMUM THICKNESS FOR BRICK WALL WILL BE 12" FOR H TO 20 FT. AND 16" FOR H-20 FT. TO 30 FT.

- PRECAST UNIT WITHOUT TONGUE OR GROOVE AT BOTTOM SHALL BE PLACED IN BRICK SEAT WITH MORTAR IN JOINT
ALL ROUND. BRICK BASE SHALL SET FOR 24 HOURS MIN. BEFORE PRECAST SECTIONS ARE INSTALLED.

- STEPS IN THE BRICK PORTION OF MANHOLE WILL BE IN ALIGNMENT WITH AND MATCH THE STEPS IN THE PRECAST
SECTIONS RATHER THAN AS SHOWN FOR THE ALL BRICK MANHOLES.



DATE		REVISION		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
				STANDARD BRICK MANHOLES	
				NOT TO SCALE REDRAWN JULY 2024 OCTOBER 1981	
				DES. 8-58 DRW. B.M.J. TRA. G.M.E. CHK. R.K.C.	
				(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR (APPROVED) STATE HIGHWAY ENGINEER	
				NUMBER IOIIA	