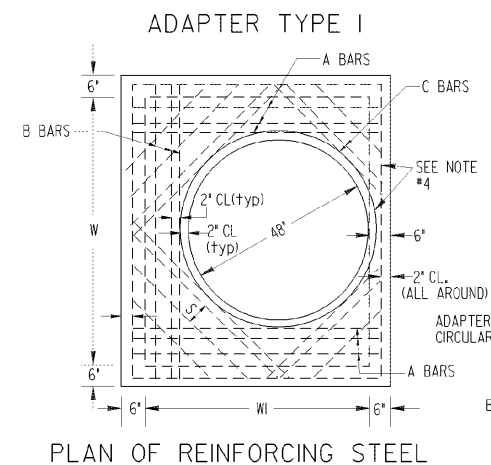


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CIRCULAR PRECAST REINFORCED CONCRETE SECTIONS



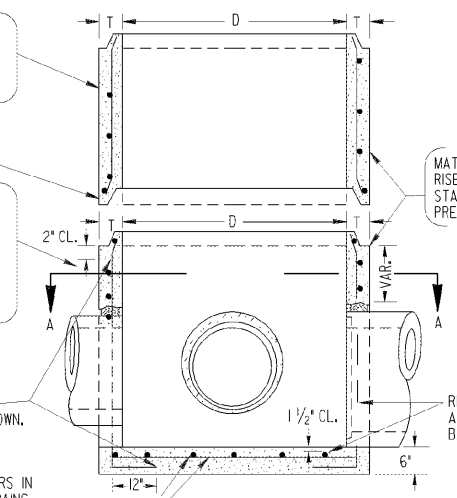
NOTE:

WHERE W=48" (ONLY)
A BARS NOT REQUIRED
WHERE W1 = 48" (ONLY)
B BARS NOT REQUIRED
FOR CONSTRUCTION OF BOX TYPE BASES AND W AND W1 DIMENSIONS, SEE APPLICABLE STANDARDS FOR CATCH BASINS OR DROP INLETS.

CIRCULAR RISER SECTIONS-
DESIGN AND STEEL REINFORCEMENT TO COMPLY WITH A.S.T.M. C-478 FOR PRECAST MANHOLE SECTIONS HT. = 10" TO 40" EACH.

KEYED JOINT REQUIRED AT ALL SECTIONS UNLESS NOTED OTHERWISE

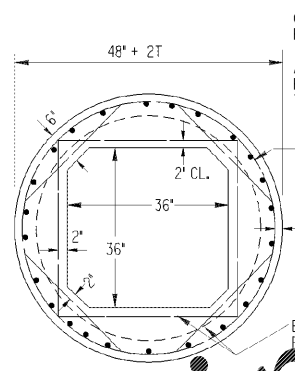
CIRCULAR BASE UNIT-
WALL DESIGN AND REINFORCEMENT TO COMPLY WITH A.S.T.M. C-478 EXCEPT THAT MIN. (T) THICKNESS = 5" AND ALL PRECAST OPENINGS FOR PIPES SHALL HAVE TWO ADDITIONAL VERTICAL REINFORCING BARS AS SHOWN.



D	BASE	RISER
48"	5"	4"
60"	5"	5"
72"	6"	6"

D	MAX PIPE SIZE
48"	30"
60"	42"
72"	48"

ADAPTER TYPE 2 FOR USE WITH CATCH BASINS

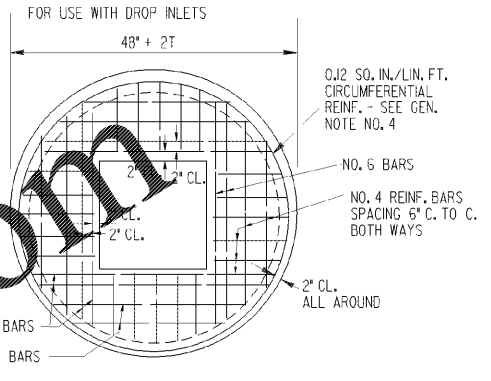


ADAPTER, TYPE 2, MAY BE USED WITH DRAINAGE STRUCTURES OTHER THAN CATCH BASINS, IF SO NOTED ON OTHER STANDARDS OR IN THE PLANS.

ADAPTER, TYPE 3, WILL BE USED FOR STRUCTURES WHICH ARE UNDER TRAFFIC.

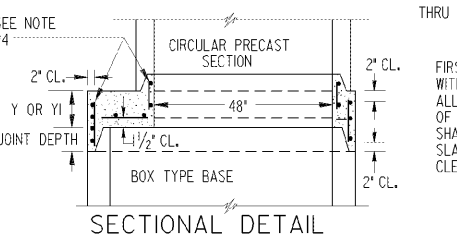
0.12 SQ. IN./LIN. FT. CIRCUMFERENTIAL REINF. SEE GEN. NOTE NO. 4

ADAPTER TYPE 3 FOR USE WITH DROP INLETS

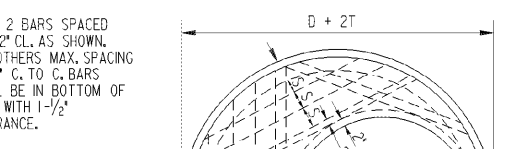


0.12 SQ. IN./LIN. FT. CIRCUMFERENTIAL REINF. - SEE GEN. NOTE NO. 4

NO. 6 BARS
NO. 4 REINF. BARS SPACING 6" C. TO C. BOTH WAYS

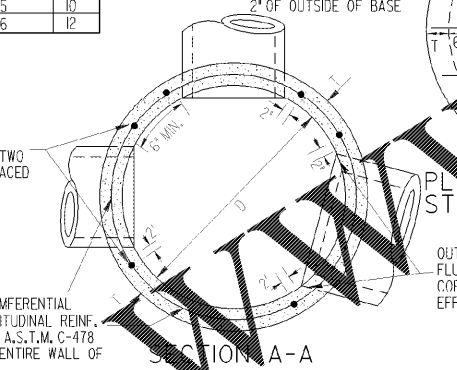


CIRCULAR REDUCER SLAB



FIRST 2 BARS SPACED WITH 2" CL. AS SHOWN. ALL OTHERS MAX. SPACING OF 5" C. TO C. BARS SHALL BE IN BOTTOM OF SLAB WITH 1 1/2" CLEARANCE.

D	BAR SIZE	NO.
48"	#5	8
60"	#5	10
72"	#6	12

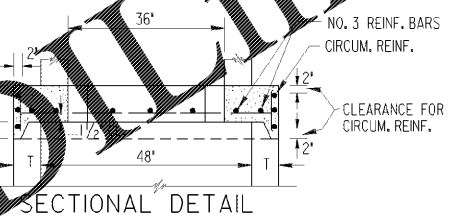


ADDITIONAL 5 VERTICAL BARS, TWO PER OPENING, SPACED AS SHOWN

MIN. CIRCUMFERENTIAL AND LONGITUDINAL REINF. REQ'D BY A.S.T.M. C-478 THROUGH ENTIRE WALL OF BASE.

CONTRACTOR SHALL PROVIDE FABRICATOR WITH PIPE SIZES AND ALIGNMENT

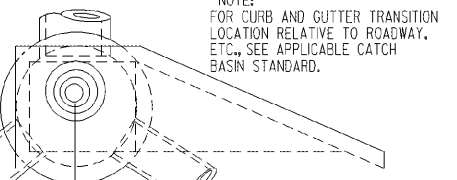
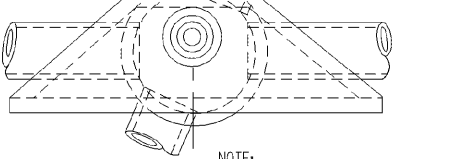
PLAN OF REINFORCING STEEL



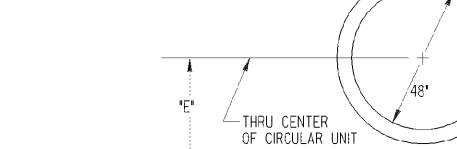
SECTIONAL DETAIL

ALL REINF. BARS EXTENDED TO WITHIN 2" OF OUTSIDE OF BASE

TYPICAL PLAN VIEWS OF CATCH BASINS



NOTE: FOR CURB AND GUTTER TRANSITION LOCATION RELATIVE TO ROADWAY, ETC., SEE APPLICABLE CATCH BASIN STANDARD.



THRU CENTER OF CIRCULAR UNIT

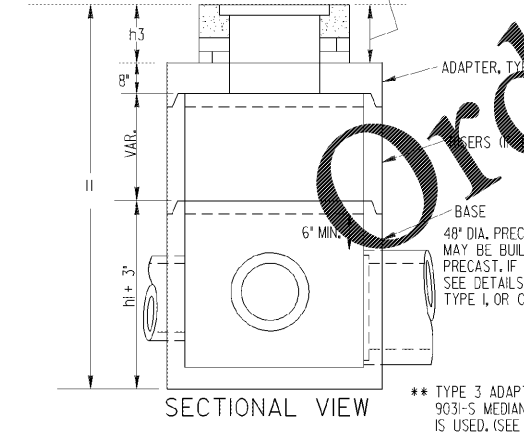
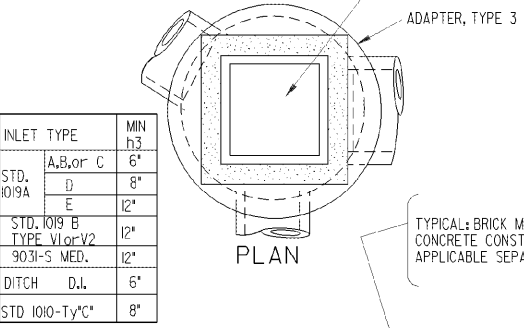
STD. NO	CURB HEIGHT	MIN. h2	'E'
1033 D;	6"	2'-0"	2'-0"
1033 G	8"	2'-2"	2'-0"
1033 E	4"	2'-0"	3'-0"
1033 F	4"	1'-11"	4'-0"
	6"	2'-1"	4'-0"
	8"	2'-1"	3'-0"
	10"	2'-1"	2'-0"
1034 D;	6"	2'-1"	2'-0"
	1034 G	8"	2'-2"
1034 E	4"	2'-0"	3'-0"
	4"	1'-11"	4'-0"
1034 F	6"	2'-1"	4'-0"
	8"	2'-1"	3'-0"
	10"	2'-1"	2'-0"

W & W1 or D	BAR SIZE	S (Max)	Y (Min)	Y1 (Min)
48"	#4	6"	6"	6"
54"	#4	6"	8"	8"
60"	#5	6"	8"	9"
66"	#6	6"	8"	10"
72"	#6	5 1/2"	9"	11"
84"	#6	5"	9"	12"

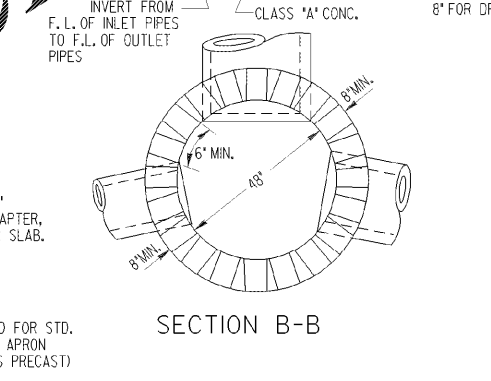
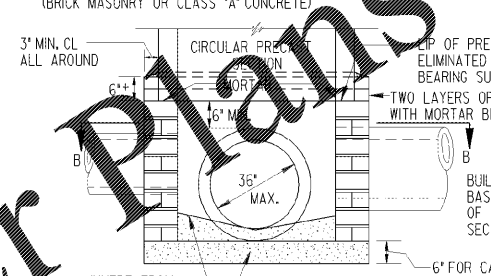
*WHERE W AND W1 DIMENSIONS DIFFER, USE SLAB THICKNESS AND REINFORCEMENTS FOR LARGER DIMENSION.
Y = MIN. THICKNESS WHERE HEIGHT OF FILL IS 12 FT. OR LESS, ABOVE TOP OF ADAPTER, TYPE I, OR CIRCULAR REDUCER.
Y1 = MIN. THICKNESS WHERE HEIGHT OF FILL ABOVE ADAPTER, TYPE I, OR CIRCULAR REDUCER = OVER 12 FT.

DROP INLET WITH CIRCULAR SECTIONS

SEE APPLICABLE STANDARD OR CONSTRUCTION DETAILS FOR DROP INLET DETAILS NOT SHOWN HERE.

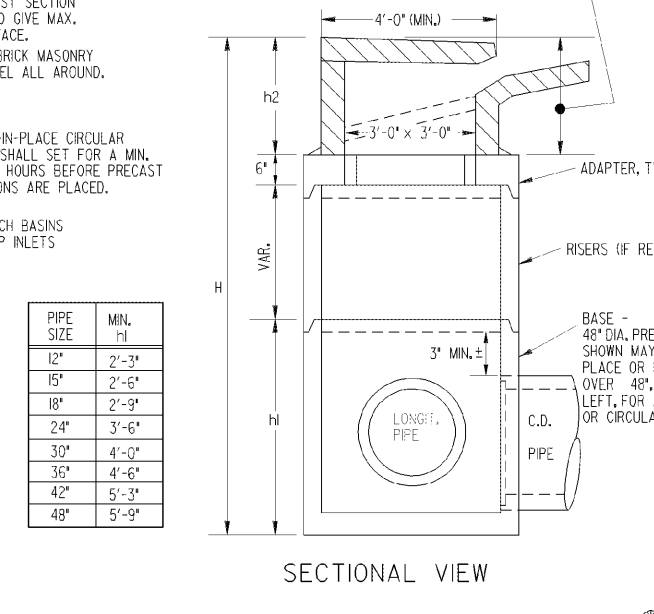


BUILT-IN-PLACE CIRCULAR BASE (BRICK MASONRY OR CLASS 'A' CONCRETE)



CATCH BASIN WITH CIRCULAR SECTIONS

CONSTRUCTION ABOVE ADAPTER WILL BE EITHER PRECAST, BUILT-IN-PLACE, OR A COMBINATION OF BOTH ACCORDING TO APPLICABLE CATCH BASIN STANDARDS.



PIPE SIZE	MIN. h1
12"	2'-3"
15"	2'-6"
18"	2'-9"
24"	3'-6"
30"	4'-0"
36"	4'-6"
42"	5'-3"
48"	5'-9"

Order Plans @

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CIRCULAR BASE UNITS AND RISERS
FOR CATCH BASINS AND DROP INLETS
(CONSTRUCTION ALTERNATES)

NO SCALE REV. & REDR. NOV., 1999

DES. (SUBMITTED) *James A. Kennel*
TRA. (APPROVED) *Donal L. Carberry*
CHK. CHIEF ENGINEER

NUMBER 1040