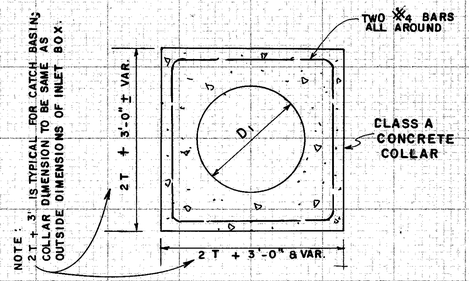
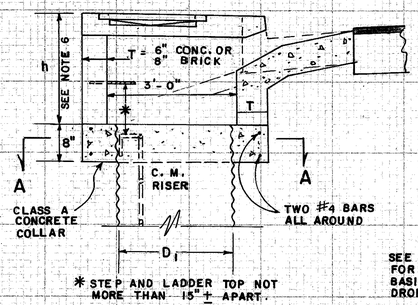
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		1	



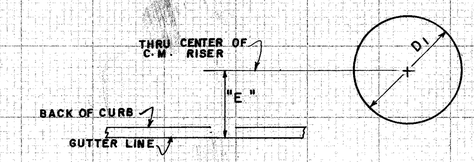
SECTION A-A

SECTIONAL DETAIL (TOP)

SHOWN FOR CATCH BASIN, SIMILAR FOR DROP INLET)



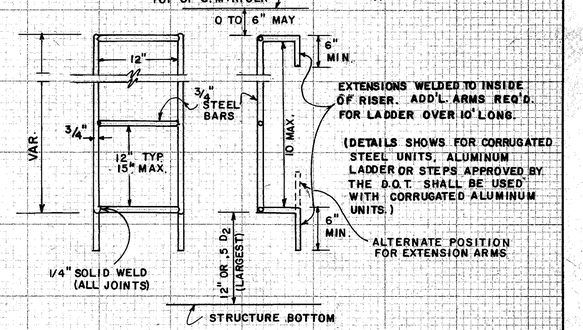
DETAIL FOR LOCATING CATCH BASIN RISER BACK OF CURB

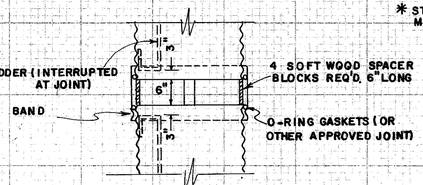


CATCH BASIN STANDARD NO.	CURB HEIGHT	MIN. h	"E"
1033 D	6"	2'-0"	2'-0"
	8"	2'-2"	2'-0"
1033 E	4"	2'-0"	3'-0"
1033 F	4"	1'-11"	4'-0"
	6"	2'-1"	4'-0"
	8"	2'-1"	3'-0"
	10"	2'-1"	2'-0"
1034 D	6"	2'-1"	2'-0"
	8"	2'-2"	2'-0"
1034 E	4"	2'-0"	3'-0"
1034 F	4"	1'-11"	4'-0"
	6"	2'-1"	4'-0"
	8"	2'-1"	3'-0"
	10"	2'-1"	2'-0"

LADDER DETAILS

NOTE: LADDER REQUIRED IF H IS OVER 4 FT.

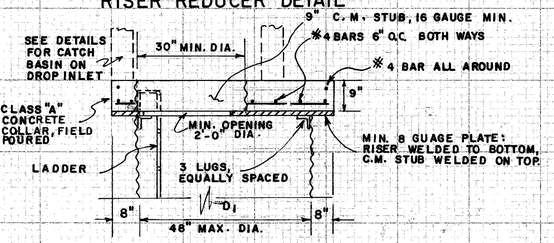


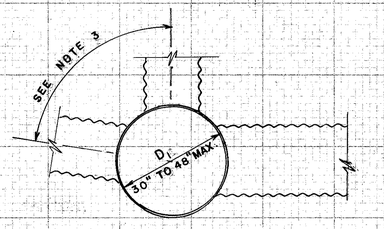


RISER SLIP JOINT DETAIL

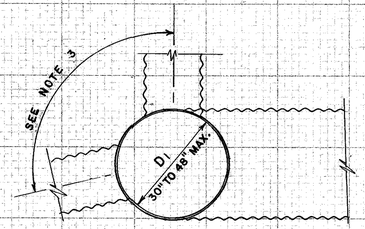
(FOR USE IN RISERS OVER 10 FT IN HEIGHT)

RISER REDUCER DETAIL

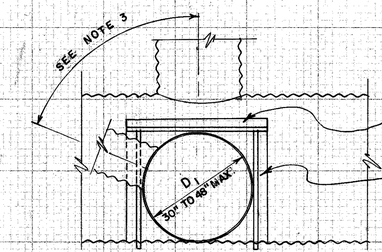




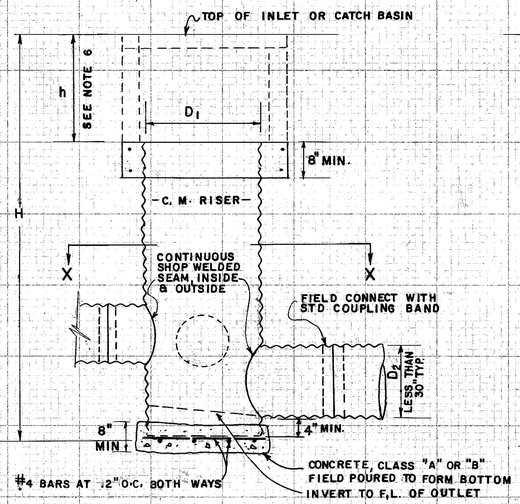
SECTION X-X



SECTION Y-Y

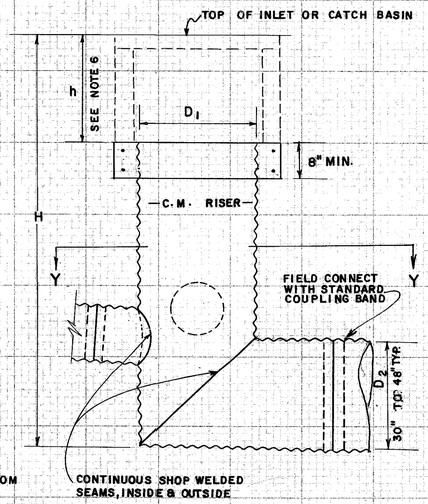


SECTION Z-Z



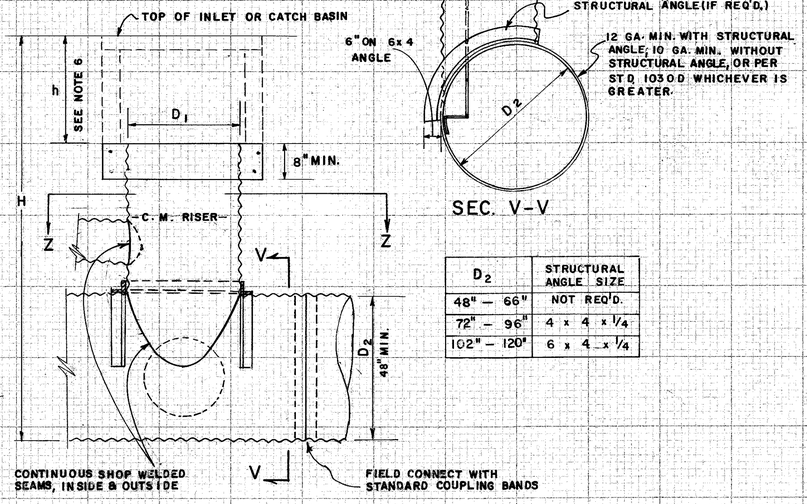
SECTIONAL DETAIL

$D_2 < D_1$



SECTIONAL DETAIL

$D_2 = D_1$



SEC. V-V

D_2	STRUCTURAL ANGLE SIZE
48" – 66"	NOT REQ'D.
72" – 96"	4 x 4 x 1/4
102" – 120"	6 x 4 x 1/4

SECTIONAL DETAIL

$D_2 > D_1$

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
2. UNITS ARE TO BE SHOP FABRICATED WITH ANY COATINGS REPAIRED AFTER WELDING OR UNIT COATED IF REQUIRED AFTER WELDING. GALVANIZING, BITUMINOUS COATING, OR OTHER SPECIFIED PROTECTION SHALL BE THE SAME FOR FABRICATED UNITS AS IS REQUIRED FOR THE ADJOINING PIPES. GALVANIZE REPAIR SHALL BE ACCORDING TO GA. STD. SPECIFICATIONS.
3. SECTIONS SHOWN ARE TYPICAL. CONTRACTOR SHALL FURNISH FABRICATOR WITH ACTUAL SIZES, ALIGNMENTS, ELEVATIONS, HEIGHTS, FLOW LINES, ANGLES, ETC., NECESSARY FOR EACH STRUCTURE.
4. MINIMUM LENGTH OF STUBS FROM BASE RISER SHALL BE SUFFICIENT TO ALLOW CONNECTION TO DRAIN PIPE, 1/2 LENGTH OF CONNECTING BAND + 2" TYPICAL.
5. C.M. BASE RISER SHALL BE OF SUFFICIENT HEIGHT TO GIVE A 9" MIN. ABOVE TOP OF HIGHEST STUB. UNITS BEHIND CURB (FOR CATCH BASIN) SHALL BE 14 GAUGE MIN. OR SAME GAUGE AS OUTLET PIPE, WHICHEVER IS THICKER. UNITS IN FRONT OF CURB (FOR DROP INLET) SHALL BE 12 GAUGE MIN. OR OR SAME GAUGE AS OUTLET PIPE, WHICHEVER IS THICKER. UNITS MAY BE 16 GAUGE IF ONLY PIPE IS SLOPE DRAIN FROM CATCH BASIN.
6. SEE SEPARATE PLANS FOR CATCH BASIN OR DROP INLET DETAILS.
7. D_1 = INSIDE DIAMETER OF BASE RISER; D_2 = INSIDE DIAMETER OF OUTLET PIPE. MINIMUM D_1 SHALL BE 30" UNLESS APPROVED OTHERWISE.
8. CIRCULAR CONCRETE UNITS (STD. 1040) OR BOX TYPE BASES (FROM CATCH BASIN OR DROP INLET STANDARD) MAY BE ALLOWED AS ALTERNATES UNLESS SPECIFIED OTHERWISE. ALTERNATE C.M. FABRICATED DESIGNS PERMITTED IF APPROVED BY D.O.T. PRIOR TO INSTALLATION.
9. PAYMENT FOR CATCH BASIN OR DROP INLET SHALL INCLUDE THE CORRUGATED METAL BASE RISER TO STRUCTURE BOTTOM, CONCRETE COLLAR, LADDER, CONCRETE BOTTOM IF REQ'D, PLUS ALL OTHER ITEMS NORMALLY INCLUDED FOR STRUCTURE. PAYMENT FOR LIN. FT. OF STORM DRAIN PIPE SHALL INCLUDE LATERALS TO AND CONNECTIONS TO STUBS FROM BASE RISER.
10. LATERAL CONNECTION TO RISER OR MAIN C.M. PIPE CULVERT MAY BE MADE WITH MIN. 16 GUAGE C.M. SADDLE PLATES BOLTED AT THE REQUIRED LOCATIONS IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE. DIRECTIONAL CHANGE IN LATERALS MAY BE ACCOMPLISHED WITH C.M. ELBOW SECTIONS.

SPECIAL NOTE:

THESE DETAILS ARE FOR USE ONLY WHERE CORRUGATED METAL PIPE IS ALLOWED FOR STORM DRAIN. THE FABRICATED UNITS SHALL BE OF THE SAME MATERIALS AS ADJOINING STORM DRAIN PIPES.

THE FOLLOWING SOIL OR WATER CONDITIONS, IF PRESENT, WILL DISALLOW THE USE OF C.M. FABRICATED UNITS:

CONDUCTANCE > 100 MICROMHOS

60 MICROMHOS ≤ CONDUCTANCE < 100 MICROMHOS & TOTAL HARDNESS 60

4.0 > pH > 8.5 FOR ALUMINUM

6.0 > pH FOR STEEL

CONSTRUCTION DETAILS

CIRCULAR CORRUGATED METAL BASES FOR CATCH BASINS & DROP INLETS

NO SCALE — REV. & REDR. DEC. 1983

D-28

FORM EF6