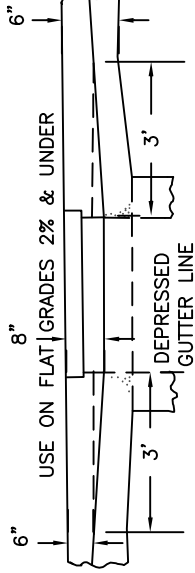
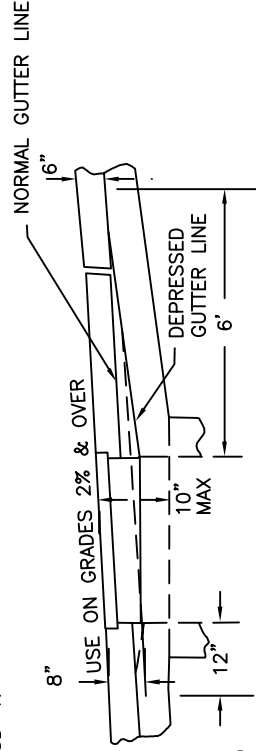


PLAN
CURB AND GUTTER
WITH CATCH BASIN ON STEEP GRADES



ELEVATION
NORMAL CURB & GUTTER ON LIGHT GRADES



ELEVATION
NORMAL CURB & GUTTER ON STEEP GRADES

ALL CATCH BASINS OVER 3'-6" IN DEPTH SHALL BE PROVIDED WITH STEPS 1'-3" ON CENTERS. DEDUCT FOR PIPE OR PIPES FROM TOTAL CU. YDS. OF MASONRY.

IF REINFORCED CONCRETE PIPE IS SET IN BASE OF SLAB BOX USE STANDARD SPEC. DRAWING SD-1.

PRECAST CONCRETE CATCH BASIN AND JUMBO BRICK WILL BE PERMITTED. PRECAST CONCRETE BRICK OR 4" SOLID CONCRETE BLOCKS MAY BE USED IN LIEU OF CLAY BRICK.

FOR 8'-0" IN HEIGHT OR LESS USE 8" WALL. OVER 8'-0" IN HEIGHT, USE 12" WALL TO 6'-0" FROM TOP OF WALL, AND 8" WALL FOR THE REMAINING 6'-0". QUANTITIES TO BE ADJUSTED ACCORDINGLY.

MORTAR JOINTS 1/2" TO 1/8" THICK CLASS "B" CONCRETE TO BE USED.

USE TYPE "E", "F", & "G" GRATE UNLESS OTHERWISE INDICATED.

PIPE D	DIMENSIONS OF BOX AND PIPE			REINFORCING			MIN. DIMENSIONS AND QUANTITIES FOR BRICK CATCH BASIN			CUBIC YARDS OF CONCRETE IN BOX			BRICK MASONRY			DEDUCTIONS FOR ONE PIPE		
	SPAN A	WIDTH C	HEIGHT H	NO BARS-U	LENGTH	NO BARS-V	LENGTH	NO BARS-W	LENGTH	TOTAL LBS.	TOP SLAB FLOOR	TOTAL CU.YDS.	PER FT. HT.	ADD NO.	FT. HT.	CM.	RS.	CS.
12"	3'-0"	2'-2"	2'-4"	4	1'-6"	3	4'-1"	45	0.187	0.475	0.591	1.305	0.321	0.108	0.176	0.240	0.329	0.393
15"	3'-0"	2'-2"	2'-6"	4	2'-0"	3	4'-1"	48	0.195	0.573	0.508	1.811	0.321	0.117	0.240	0.329	0.393	0.457
18"	3'-0"	2'-2"	2'-10"	4	2'-6"	3	4'-1"	48	0.213	0.713	0.669	2.191	0.321	0.117	0.240	0.329	0.393	0.457
24"	3'-0"	2'-2"	3'-2"	4	3'-0"	3	4'-1"	48	0.271	0.948	0.859	2.811	0.321	0.117	0.240	0.329	0.393	0.457
30"	3'-0"	2'-2"	3'-5"	4	3'-6"	3	4'-1"	48	0.317	1.106	1.000	3.226	0.321	0.117	0.240	0.329	0.393	0.457
36"	3'-0"	2'-2"	4'-0"	4	4'-0"	3	4'-1"	48	0.355	1.288	1.166	3.719	0.321	0.117	0.240	0.329	0.393	0.457
42"	3'-0"	2'-2"	4'-4"	4	4'-6"	3	4'-1"	48	0.385	1.487	1.348	4.286	0.321	0.117	0.240	0.329	0.393	0.457
54"	3'-0"	2'-2"	5'-10"	4	6'-0"	3	4'-1"	48	0.513	2.048	1.859	5.915	0.321	0.117	0.240	0.329	0.393	0.457



DATE 8/16/04
REVISED 8/18/04
SCALE NOT TO SCALE

DETAIL SD-5

STANDARD BRICK CATCH BASIN 12" THRU 54" PIPE
CITY OF BURLINGTON, NORTH CAROLINA
ENGINEERING DEPARTMENT