SECTION A-A

SECTION B-B

PLAN VIEW

1 / C-9 CURB INLET (CI) DETAIL

NTS

REDUCER SLABS ARE FOR USE WITH LARGER PIPES. IN GENERAL THIS WILL BE CROSS DRAIN PIPES OVER 24", LONGITUDINAL PIPES OVER 18" (TYPE V-1) AND LONGITUDINAL PIPES OVER 15" (TYPE V-2).

DROP INLET DIMENSIONS WITH REDUCER SLAB

MINIMUM W1, W2, & H DIMENSIONS

PIPE SIZE	W1(MIN.) OR W2(MIN.) REINF. CONC.		H (MIN.)
15"	❊	1'- 8"	3'- 10"
18"	❊	2'- 0"	4'- 2"
24"		2'- 7"	4'- 9"
30"		3'- 6"	5'- 10"
36"		4'- 0"	6'- 5"
42"		4'- 6"	7'- 0"
48"		5'- 0"	7'- 10"
54"		5'- 6"	8'- 5"
60"		6'- 0"	9'- 0"

❊ W1 X W2 NOT LESS THAN 2'- 4" X 2'- 7" FOR TYPE V-1 AND NOT LESS THAN 1'- 8" X 2'- 7" FOR TYPE V-2

NOTE:

1. THE MINIMUM H DIMENSIONS SHOWN ARE BASED ON TYPICAL OUTSIDE DIAMETERS OF PIPES AND MAY BE MODIFIED WHERE THE CITY ENGINEER OR DESIGNER DETERMINES THAT CONDITIONS PERMIT. IT IS NOT NECESSARY THAT THE BOX TYPE BASE BE SQUARE. W1 AND W2 DIMENSIONS WILL VARY ACCORDING TO PIPE SIZE.
2. CURB INLET FRAME, GRATE, AND CURB BOX SHALL BE NEENAH R-3228-B WITH DIAGONAL BARS OR APPROVED EQUIVALENT.
3. COMPACT EARTH SUBGRADE TO A MINIMUM 98% STANDARD PROCTOR.

TYPE B

NOTES:

1. RAISE BOTTOM OF BOX TO OUTFLOW PIPE INVERT. MATCH DIFFERENT PIPE SIZES AT CROWNS.
2. MAXIMUM VERTICAL DEPTH FOR DROP INLET H=15'-0"
3. COMPACT EARTH SUBGRADE TO A MINIMUM 98% STANDARD PROCTOR.

OPTIONAL:
USE ROUND TO SQUARE ADAPTER WITH GRATE CAST IN IF ROUND BOX, OR USE SLAB WITH GRATE CAST IN.

TYPE A

CAST IRON GRATE

TYPE "A"						
D	W1	MIN-W2	W3	a	b	MIN-H
15"	2'-0"	2'-6 1/2"	2'-1"	0'-3 1/2"	0'-6"	3'-3"
18"	2'-0"	2'-9 1/2"	2'-1"	0'-3 1/2"	0'-6"	3'-6"
24"	2'-8"	4'-1/2"	3'-3"	0'-7 1/2"	1'-1"	4'-3"
30"	3'-4"	5'-1 1/2"	3'-11"	0'-11 1/2"	1'-8"	5'-10"
36"	3'-10"	6'-1 1/2"	4'-8"	1'-2 1/2"	2'-1 1/4"	6'-10"
42"	4'-5"	7'-2 1/2"	5'-0"	1'-6"	2'-7 1/2"	7'-11"
46"	3'-0"	8'-3 1/2"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-0"
54"	3'-7"	9'-4 1/2"	3'-7"	2'-1"	3'-7 1/4"	10'-1"
60"	6'-2"	10'-6 1/2"	6'-2"	2'-4 1/2"	4'-1 1/2"	11'-2"
60"	6'-9"	11'-6 1/2"	6'-9"	2'-8"	4'-7 1/2"	12'-3"
72"	7'-4"	12'-7 1/2"	7'-4"	2'-11 1/2"	5'-1 1/4"	13'-4"

TYPE "B"		
W OR W1	MIN-h	MIN-H
2'-0"	2'-7 1/2"	3'-9 1/2"
2'-3"	2'-10"	4'-0"
3'-0"	3'-8"	4'-10"
3'-6 1/2"	4'-2 1/2"	5'-4 1/2"
4'-2"	4'-10"	6'-0"
4'-8 1/2"	5'-4 1/2"	6'-6 1/2"
5'-3 1/2"	5'-11 1/2"	7'-1 1/2"
5'-10"	6'-6"	7'-6"
6'-4 1/2"	7'-0 1/2"	8'-2 1/2"
6'-11"	7'-7"	8'-9"
7'-5 1/2"	8'-1 1/2"	9'-3"

2 / C-9 DROP INLET (DI) DETAIL

NTS

NOTE:
* AT CURVED PARKING AREAS LAYOUT OF SPACES INDICATED IS AT NARROWEST ARC OF SPACE.
* ALL REGULAR PARKING STRIPES 4" WIDE (2) COATS WHITE H.D. TRAFFIC PAINT. (PRISMO OR EQUAL)

3 / C-9 PARKING LAYOUT & STRIPING

NTS

SECTION

4 / C-9 CONCRETE SIDEWALK

NTS

TO CONFORM TO GA. STATE HWY. DEPT. SPECS & ASTM SPECS. CATB. LATEST EDITION. CONC TO BE 4,000 PSI.

SECTION

9 / C-9 SINGLE WING CATCH BASIN

NTS

NOTES

1. ALL CONC. SHALL BE 4000 PSI REINFORCING SHALL BE 1/2" DIA. OF INTERMEDIATE GRADE. PLACE REINFORCING WITH 2" MIN. CLEARANCE. CHAMFER ALL EXPOSED EDGES 3/4".
2. COMPACT EARTH SUBGRADE TO A MINIMUM 98% STANDARD PROCTOR.

5 / C-9 RCP HEADWALL (HW)

NTS

6 / C-9 ASPHALT CONCRETE PAVEMENT

NTS

8 / C-9 HANDICAP RAMP & TACTILE STRIP

NTS

7 / C-9 DRIVEWAY APRON

N.T.S.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER 20172 ACHIEVE SUREER WHITLEY

GEORGIA REGISTERED PROFESSIONAL ENGINEER 17221 KEVIN D. WHIGHAM

LEVEL II L&S CERT.#945
EXP. DATE 09-27-08

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PROJECT:
GMD 241
ATHENS CLARKE COUNTY, GEORGIA

DATE	DESCRIPTION
07-31-2007	FIRST SUBMITTAL
08-21-2007	2ND SUBMITTAL
10-8-2007	COURT SUBMITTAL
01-15-2008	R.ESUBMITTAL
01-31-2008	W&S COMMENTS
02-19-2008	W&S APPROVAL
05-22-2008	3RD SUBMITTAL

JOB NO: 04-0520
DRAWN BY: CSM
CHECKED BY: JCW & KDW

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CONSTRUCTION DETAILS

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