PLAN VIEW – STANDARD CURB AND GUTTER

SECTION A–A

SECTION B–B

NOTES:
1. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
2. INSTALL STRUCTURE ON MINIMUM OF 8” OF ¾”-0” COMPACTED BASE MATERIAL.
3. REINFORCEMENT FOR PRECAST CATCH BASIN SHALL BE REBAR MEETING ASTM A-615 GRADE 60 OR WELDED WIRE MEETING ASTM A-497.
4. ALL Poured IN-PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND A SLUMP OF 2” TO 4”.
5. CHANNEL REQUIRED IN FLOW THROUGH APPLICATIONS, AS APPROVED. ALL OTHER APPLICATIONS REQUIRE AN 18” SUMP BELOW LOWEST PIPE INVERT.
6. FULL CURB EXPOSURE REQUIRED CANNOT BE LOCATED IN SIDEWALK RAMPS OR RAMP WINGS.

GUTTER & CURB INLET
CATCH BASIN (CG–2)

DRAWING NO. 300
REVISED 09–16
GUTTER & CURB INLET CATCH BASIN (CG-2) REINFORCEMENT

SECTION A-A

HOOK BAR DETAIL

SEE HOOK BAR DETAIL

MIN. 1 1/2"

SEE STD DRAWING NO. 320 FOR FRAME AND COVER.

ONE NO. 5 BAR
TWO NO. 3 BARS
RECESS AREA
SEVEN NO. 3 BARS AT 5" O.C.

PLAN

VARIES TO MATCH CURB TYPE
6" ±

NORMAL SLOPE OF PAVEMENT
2 5/8"
45°

NO. 5 BAR
1 1/2"
1 1/2" 16"

OPTION: CONST. JOINT = 1/3 OF SURFACE AREA

MIN. 1 1/2"

MIN. 1 1/2"

3"

CleanWater Services

DRAWING NO. 310
REVISED 12-06
NOTE:
FRAME AND GRATE TO BE NEW STRUCTURAL ASTM A-36 FLAT BAR STEEL OR APPROVED EQUAL
NOTES:

1. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND A SLUMP OF 2" TO 4".
2. INSTALL STRUCTURE ON MINIMUM OF 8" OF ¾" TO 0" COMPACTED BASE MATERIAL.
3. NON-SUMP INLET CATCH BASING SHALL BE CHANNELED (E.G. FLOW THROUGH CBs).

INLET CATCH BASIN (CG–30)

drawNING NO. 330  REVISED 12–16
NOTES:

1. ALL FABRICATED METAL PARTS SHALL BE NEW STRUCTURAL, ASTM A-36 STEEL, AND BE HOT-DIPPED GALVANIZED AFTER FABRICATION.

2. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 PSI AND A SLUMP OF 2" TO 4".

3. INSTALL STRUCTURE ON MINIMUM OF 6" OF 3/4" TO 0" COMPACTED BASE MATERIAL.

4. NON-SUMP INLET CATCH BASINS SHALL BE CHANNELED (E.G. FLOW THROUGH CBS).

INLET CATCH BASIN (CG-48)

DRAWING NO. 340

REvised 12-16
SECTION B–B

PLAN VIEW

MAXIMUM 27" FROM TOP OF FIRST STEP TO TOP OF LID.
SLOPE TO MATCH SIDEWALK

SEE STD. DRAWING NO. 100 FOR STEPS

54" 

UPER SECTION TO BE 48" DRAIN INLET; SEE STD. DRAWING NO. 370.

5" WEEP HOLE LOCATED AT BASE OF AGGREGATE

6" FOR POURED IN PLACE 5" WITH REINFORCEMENT FOR PRE CAST

NOTES:
1. PRE CAST CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
2. NON-SUMP INLET MANHOLE SHALL BE CHANNELED.
3. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 PSI. AND A SLUMP OF 2" TO 4"

6" BENCH SLOPED TO CENTER TO FACILITATE CLEANING.

12" MINIMUM OF 3/4" TO 0" COMPACTED BASE MATERIAL

SECTION A–A

CURB INLET MANHOLE
(CG–48 M.H.)

DRAWING NO. 350

CleanWater Services

REVISED 01–13
SLOPE TOP TO MATCH SIDEWALK SLOPE

MAXIMUM OF 27" FROM TOP OF FIRST STEP TO TOP OF LID.

MANHOLE STEPS SEE STD. DRAWINGS NO. 100

PAVED ROAD SURFACE

DEPRESS CUTTER BAR 2-1/2" BELOW NORMAL AT FACE

UPPER SECTION TO BE 48" DRAIN INLET. SEE STD. DRAWING NO. 370.

3" WEEP HOLE LOCATED AT BASE OF AGGREGATE

POURED CONCRETE BASE 3000 P.S.I. AT 28 DAYS (COMMERICAL MIX)

ALL PRE CAST MANHOLE SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-476, AND APPLICABLE PROVISIONS OF STANDARD MANHOLE DRAWING NO. 010.

ALL JOINTS TO BE RAM-NECK JOINT MATERIALS OR EQUIVALENT-ALT. GROUT

6" BENCH SLOPED TO CENTER TO FACILITATE CLEANING

NOTES:
1. NON-SUMP INLET MANHOLE SHALL BE CHANNELED
2. SEE STD. DRAWING NO. 370 FOR TOP SECTION DETAILS

APPROVED FOR USE BY WASHINGTON COUNTY ONLY.

MODIFIED CURB INLET MANHOLE (MOD.CG-48MH)

DRAWING NO. 360

REVISED 01-13
TOP-CURB INLET MANHOLE AND MODIFIED CURB INLET MANHOLE  
(CG-48 M.H. AND MOD. CG-48 M.H.)

NOTE: MATERIAL SHALL BE NEW STRUCTURAL ASTM A-36 STEEL

DRAWING NO. 370  REVISI0N 01-13
NOTES:
1. ALL PRE CAST SECTIONS SHALL CONFORM TO REQUIREMENTS OF ASTM C-478.
2. INSTALL STRUCTURE ON MIN. OF 8" OF ¾"-0" COMPACTED BASE MATERIAL.
3. PRE CAST REINFORCEMENT SHALL BE REBAR MEETING ASTM A615 GRADE OR WELDED WIRE MEETING ASTM A497.
4. ALL Poured INPLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND A SLUMP OF 2" TO 4".
5. AREA DRAINS IN REAR OR SIDE YARDS SHALL NOT BE SUMPED AND SHALL BE PROPERLY CHANNELIZED. DITCH INLETS SHALL BE EQUIPPED WITH AN 18" SUMP.
6. PRE-CAST STRUCTURES CONFORMING TO O.D.O.T. TYPE 0-2 CATCH BASIN INLET ARE AN ACCEPTABLE ALTERNATE. (ALL GRATE MATERIALS AND DIMENSIONS SHALL MEET C.W.S. STANDARDS AS SHOWN ON DETAIL #320)

AREA DRAIN
TYPE II

DRAWING NO. 380

CleanWater Services

REVISED 01-13
DITCH INLET

SECTION A-A

SECTION B-B

NOTES:

1. ALL PRE CAST SECTIONS SHALL CONFORM TO REQUIREMENTS OF ASTM C-478.
2. INSTALL STRUCTURE ON MINIMUM OF 8" OF 3/4" - 0" COMPACTED BASE MATERIAL.
3. PRE CAST REINFORCEMENT SHALL BE REBAR MEETING ASTM A615 GRADE 60 OR WELDED WIRE MEETING ASTM A497.
4. ALL Poured IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 PSI AND SLUMP OF 2" TO 4".
5. PRE-CAST STRUCTURE'S CONFORMING TO O.D.O.T. TYPE C-2 CATCH BASIN DESIGN/WITH DITCH INLET TOP ARE AN ACCEPTABLE ALTERNATE. ALL GRATE MATERIALS SHALL MEET C.W.S. STANDARDS AS SHOWN ON DETAIL #400.

SEE STD. DRAWING NO. 400 FOR FRAME AND GRATE
NOTES:
FRAME AND GRATE SHALL BE NEW STRUCTURAL ASTM A-36 FLAT BAR STEEL OR APPROVED EQUAL.