

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5349	04-00170-00-SP	DEKALB	17	16
CITY OF DEKALB STANDARD DETAILS				
F.H.W.A. REG. 5 ILLINOIS FED. AID PROJECT				

##- open graded backfill

The height of the box may be constructed 6' short to allow for field adjustments.

X - The wall adjustments shall be made with square adjustments rings of the same dimensions of the structure

The inlet shall be cast in place or precast.

- The top of the structure shall be wrapped with a continuous nonwoven fabric made up of polypropylene fibers (ADS 4420). The fabric shall overlap the lip of the frame by 6' and extend downward 30' below the bottom of the frame.

Class SI concrete or precast concrete shall be used throughout.

optional construction joint

bedding

unless otherwise noted on plans

No. 4 bars at 12 cts.

The side walls may be built as precast segmented sections.

## - The only bedding and backfill material that will be allowed is  $\frac{3}{8}$ " or  $\frac{3}{4}$ " chips or washed concrete stone. The structure shall be backfilled to the height of 2' below the bottom of the casting flange.

All voids around the pipe entrance shall be sealed with mortar on both inside and outside.

Except as noted hereon, inlet special shall be constructed in accordance with section 602 of the standard specifications omitting articles 602.05 and 602.06.

Steps shall be omitted when the depth of the inlet is less than 5 ft.

Holes shall be made for under-drains and/or sump lines per plan locations during precast process.

STANDARD DETAIL FOR CATCH BASIN SPECIAL

REVISIONS 01-02-01 CEW

CITY OF DEKALB STORM SEWER STANDARD SS-203

### STANDARD DESIGN FRAME AND GRATE TYPE 11

CAST CURB PLATE

NEENAH SPECIAL R-3281-B OR APPROVED EQUAL IS A STATE TYPE 11 GRATE WITH CURB PLATE REPLACING THE CURB BOX.

BOLT SLOT DETAIL

END VIEW

SECTION

5/8" DIA HOLE AND 5/8" X 5-1/2" SLOT FOR GALVANIZED 1/2" BOLT, NUT AND WASHER

CURB BOX ADJUSTABLE FROM 4-1/2" TO 9"

SECTION A-A

SECTION B-B

CAST FRAME

HEAVY DUTY  
TOTAL WEIGHT: 485 LBS  
MANUFACTURER OR EQUAL: NEENAH R-3281-A

FOR DRIVEWAY/CROSSWALK APPLICATIONS, USE NEENAH R-3246-1 CURB PLATE

THE CAST GRATE MAY BE MADE OF EITHER GRAY IRON OR DUCTILE IRON CONFORMING TO THE STANDARD SPECIFICATIONS. DUCTILE IRON CASTING SHALL BE GRADE 65-45-12

DIAGONAL BAR GRATE IS REVERSIBLE FOR RIGHT OR LEFT HAND FLOW

SECTION C-C

CAST GRATE TYPE R

STANDARD DETAIL FOR BARRIER CURB FRAME AND GRATE (STATE TYPE 11)

REVISIONS 2/13/04 RBR

CITY OF DEKALB STORM SEWER STANDARD SS-206

5" SIDEWALK 7" P.C.C. SIDEWALK (SEE NOTE BELOW) 5" SIDEWALK

TOOLED JOINT

2' CURB TRANSITION TYPICAL (ONLY USED WITH BARRIER TYPE CURB)

PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER

NOTE: SIDEWALK REPLACED THROUGH DRIVEWAY SHALL BE 7" THICK

3/4" EXPANSION JOINT FILLER CONFORMING TO AASHTO STANDARD M-213 PLACED ONLY AT SIDEWALK SIDE OF APPROACH

7" P.C.C. DRIVEWAY PAVEMENT WITH REINFORCING WIRE FABRIC OR FIBRE REINFORCING ADMIXTURE

2% - 10%

1/4" / FT SLOPE

7" SIDEWALK

#4 REBAR 5' O/C

3" COMPACTED SUBBASE

12" MINIMUM WIDTH OVER EXCAVATION BEHIND CURB TO BE FILLED FULL DEPTH WITH CONCRETE

#4 REBAR 5' O/C

SEC A-A

SEC B-B

STANDARD DETAIL FOR P.C.C. DRIVEWAYS

REVISIONS 04/25/03 RBR

CITY OF DEKALB STREET STANDARD ST-104