

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
TR 0683E	04-09116 -00-BR	WINNEBAGO	15	15
ILLINOIS FED. AID PROJECT-				

INLET SPECIAL

NOTES

SEE STANDARD 602701 FOR DETAILS OF STEPS. EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

WEIGHT OF CAST IRON FRAME & GRATE = 240 kg (530 lbs.) ±. STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 1.5 m (5 ft.).

DETAIL OF FRAME & GRATE

NOTES

CLASS 51 CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 604.02 AND 54.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 27.5 MPa (4,000 psi) AFTER 28 DAYS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.

* THIS GRATE TO BE USED WITHOUT CURB BOX WHEN INLET IS IN DRIVEWAY.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISION	DATE	BY	SECTION	COUNTY	TOTAL SHEETS
REVISION	01-20-04		REGION 2 / DISTRICT 2 STANDARD		
REVISION					
REVISION					
REVISION					

SCALE: 1/8" = 1'-0" (1:48)

INLET SPECIAL 10.2

FRAME AND GRATE FOR INLET SPECIAL

PLAN OF FRAME WITHOUT CURB BOX

TRANSVERSE SECTION

LONGITUDINAL SECTION

PLAN OF GRATE

SECTION A-A

SECTION B-B

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

R 3246 APPROXIMATE WEIGHT - 225 Kg (495 LBS.)

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SCALE: 1/8" = 1'-0" (1:48)

FRAME AND GRATE FOR INLET SPECIAL 13.2

COMBINATION CONCRETE CURB AND GUTTER - M-6.18 (MODIFIED)

NOT TO SCALE

* 9" THICKNESS REQUIRED WHEN ADJACENT TO FLEXIBLE PAVEMENT.

EXPANSION JOINTS AT 200' INTERVALS AND AT CONSTRUCTION JOINTS INCLUDING 1" PREMOULDED JOINT FILLER AND 1" SMOOTH DOWELS (2). CONTRACTION JOINTS AT 25' INTERVALS.

Riprap Class	t _R	t _B	A	B
A4	16"	6"	2' - 8"	4' - 0"
A5	22"	8"	3' - 8"	5' - 6"
A6	26"	10"	4' - 4"	6' - 6"
A7	30"	12"	5' - 0"	7' - 6"

SECTION AT ABUTMENT SHOWING DRAIN AND RIPRAP

NOT TO SCALE

FLANK STONE RIPRAP TREATMENT STREAM CROSSING

NOT TO SCALE

G:\04-059 BROOKVIEW SPC\DESIGN\DRAWINGS\DETAILS.dwg, details Page 1, 3/10/2008 4:44:19 PM, C.T.B., 1:1

SHEET REVIEW <table border="1"> <tr> <th>AGENCY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		AGENCY	DATE			REVISIONS <table border="1"> <tr> <th>NO.</th> <th>ITEM</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>IDOT Review Comments</td> <td>3/7/2008</td> </tr> </table>		NO.	ITEM	DATE	1	IDOT Review Comments	3/7/2008	SCALE: 1" = 1' DRAWN BY: PLH CHECKED BY: DATE: January 16, 2008	<p>7282 Argus Drive Rockford, Illinois 61107-5837 (815) 398-2332 FAX (815) 398-2496 Design Firm License: Illinois 164-000616 Copyright 2008 By McClure Engineering Associates, Inc.</p>	STANDARDS AND DETAILS BROOKVIEW ROAD STRUCTURE BROOKVIEW ROAD/SPRING CREEK ROCKFORD, ILLINOIS FILE: G:\04-059 BROOKVIEW SPC\DESIGN\DRAWINGS\DETAILS.DWG JOB: 04-30-04-059	SHEET NO. 15 OF 15
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1	IDOT Review Comments	3/7/2008															