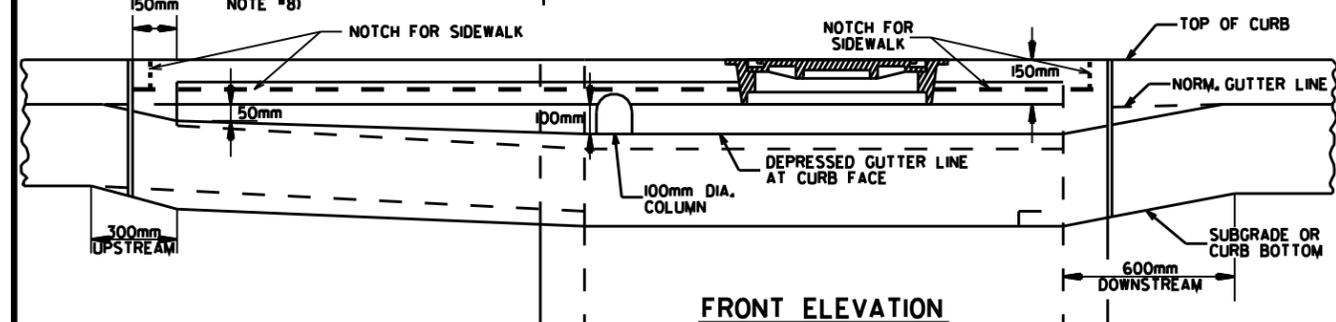
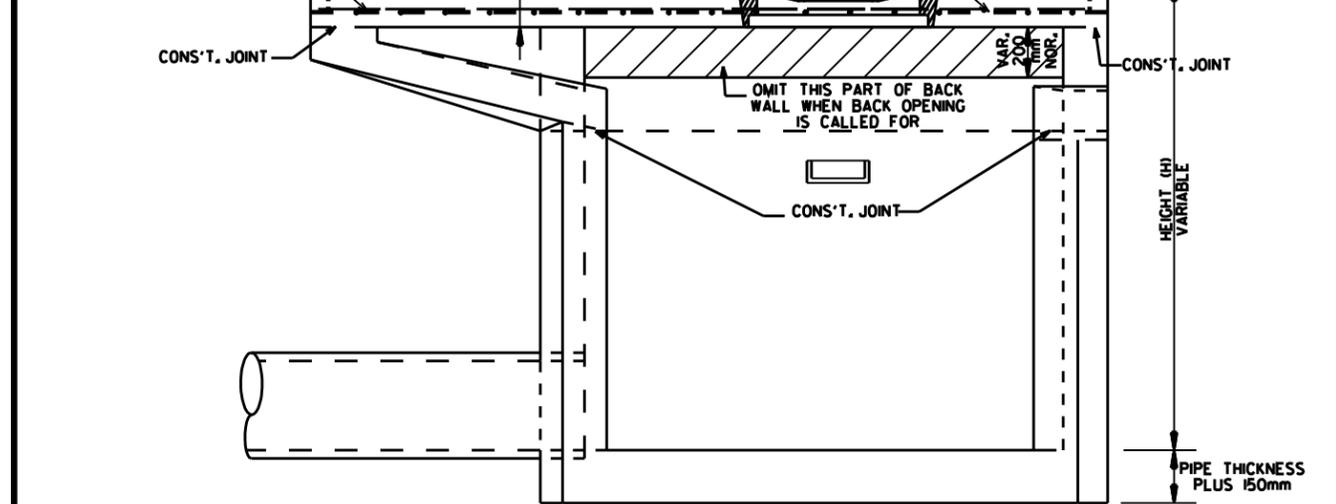


**PLAN - W/SINGLE EXTENSION**  
 PAY LIMIT OF CURB & GUTTER (SEE NOTE #8)  
 PAY LIMIT OF CURB & GUTTER IF NO EXTENSION USED (SEE NOTE #8)  
 PAY LIMIT OF CURB & GUTTER (SEE NOTE #8)  
 NOTE: FOR DOUBLE EXTENSION USE SINGLE ON BOTH SIDES.



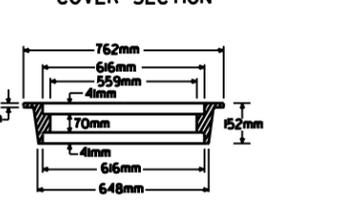
**FRONT ELEVATION**  
 300mm UPSTREAM  
 600mm DOWNSTREAM  
 SUBGRADE OR CURB BOTTOM



**SECTION C-C**  
 HEIGHT (H) VARIABLE  
 PIPE THICKNESS PLUS 150mm

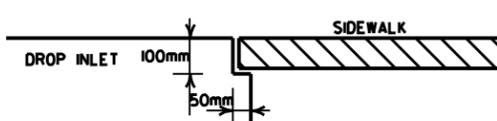


**COVER FACE**  
**COVER SECTION**



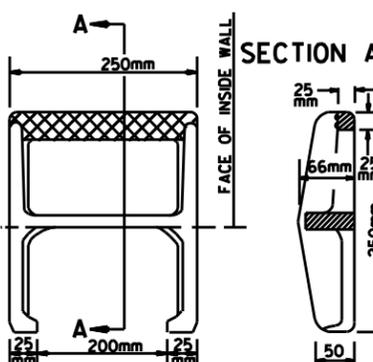
**RING SECTION**  
 APPROXIMATE TOTAL WEIGHT = 151 kg.

**HEAVY DUTY RING & COVER**



**DETAIL OF NOTCH FOR SIDEWALKS**

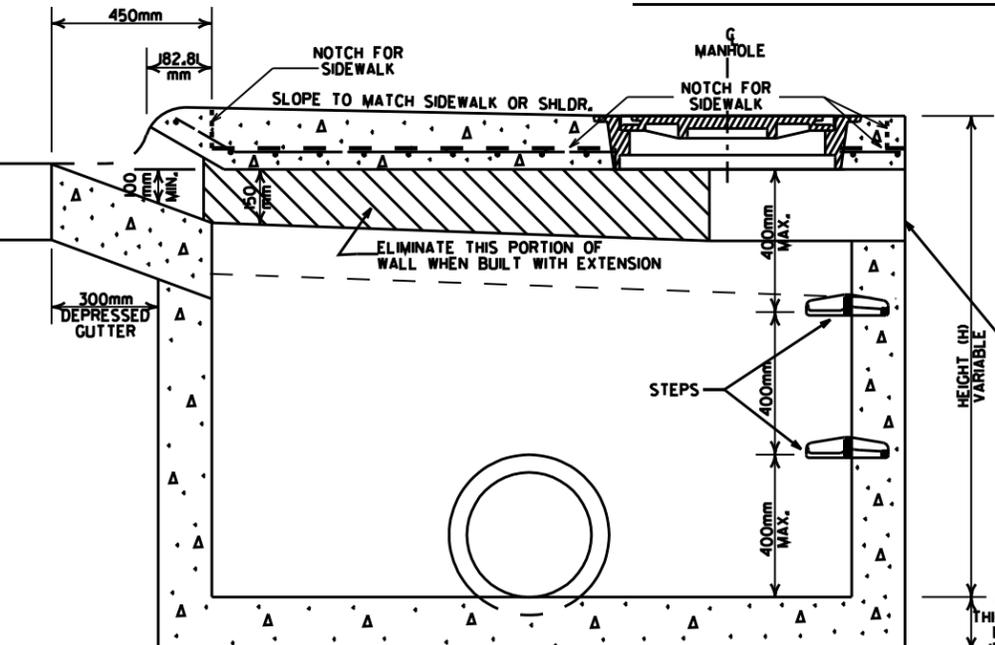
**GENERAL NOTES (HEAVY DUTY RING & COVER):**  
 1. HEAVY DUTY RING AND COVER SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105, CLASS 35B, & AASHTO M 306.  
 2. HEAVY DUTY RING AND COVER SHALL NOT BE PAINTED.  
 3. HEAVY DUTY RING SHALL ALWAYS BE INSTALLED WITH FLANGE ON TOP.



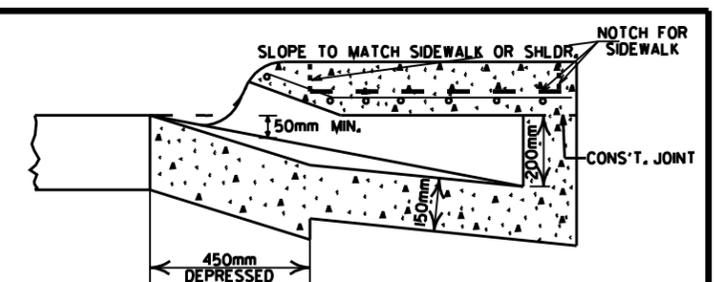
**SECTION A-A**  
 APPROX. WEIGHT = 5 kg (CAST IRON)  
**PLAN**

NOTE: THIS DETAIL IS TYPICAL, OTHERS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

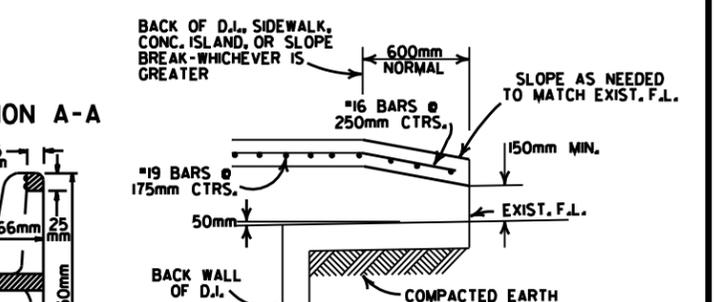
**DETAIL OF STEP FOR DROP INLET**



**SECTION A-A**  
 HEIGHT (H) VARIABLE  
 PIPE THICKNESS PLUS 150mm



**SECTION B-B**



**BACK OPENING**

WHEN OPENING IN BACK IS CALLED FOR ON PLANS EXTEND OPENING AS SHOWN IN DETAIL. PAYMENT TO BE INCLUDED IN PRICE BID FOR DROP INLET (TYPE MO).

- GENERAL NOTES:**
- ALL EXPOSED CORNERS TO HAVE 19mm CHAMFER.
  - STEPS SHALL BE INSTALLED IN ALL INLETS 1200mm HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
  - ALL REINFORCING BARS SHALL BE GRADE 300 AND HAVE MIN. 38mm COVER.
  - DROP INLETS AND EXTENSION ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
  - 100mm DIA. COLUMNS SPACED AT MAX. 1200mm INTERVALS SHALL BE INSTALLED ALONG INLET AND EXTENSION TO SUPPORT TOP.
  - BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
  - THE THROAT SHALL BE CAST INTEGRALLY WITH THE ENGINEER.
  - PAYMENT FOR CURB AND/OR CURB AND GUTTER WITHIN THE LIMITS OF DROP INLETS AND DROP INLET EXTENSIONS SHALL BE CONSIDERED INCLUDED IN PAYMENT MADE FOR DROP INLETS AND/OR DROP INLET EXTENSIONS.
  - PIPES MAY ENTER DROP INLET FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
  - APPROPRIATE SIZE TYPE C DROP INLETS MAY BE SUBSTITUTED FOR TYPE MO DROP INLETS AS APPROVED BY THE ENGINEER. PAYMENT TO BE AS DROP INLET (TYPE MO).
  - DURING CONSTRUCTION OF THE ROADWAY THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET AS APPROVED BY THE ENGINEER.
  - 100mm x 50mm NOTCH SHALL BE FORMED IN ALL DROP INLETS TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
  - DIMENSIONS SHOWN FOR RING AND COVER ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR CASTINGS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR CASTING DESIGNS MAY BE MADE BY REFERRING TO PREVIOUSLY APPROVED DRAWINGS.

LEAVE OPENING IN BACK WHEN CALLED FOR ON PLANS REFER TO BACK OPENING DETAIL

MINIMUM WALL THICKNESS			
DIA. OF D.I.	DIA. OF OUTLET PIPE	CAST IN PLACE	PRECAST
1200mm I.D.	300mm THRU 675mm	150mm	125mm
1500mm I.D.	1750mm THRU 1050mm	200mm	150mm
1800mm I.D.	1200mm THRU 1350mm	200mm	175mm

8-22-02	ADDED PAY LIMIT CURB NOTES TO SECTIONS A-A & B-B
8-6-01	ADDED NOTE 13
1-9-00	REVISED HEAVY DUTY RING & COVER
5-13-99	ADDED NOTCH DETAIL FOR SIDEWALKS
7-02-98	REP. NOTE & NEW PLAN DETAIL, REV. PICTURE FOR NEW RING & COVER DETAIL, ADDED HEAVY DUTY RING & COVER DETAIL AND DETAIL OF STEP FOR DROP INLET
4-3-97	REVISED STEEL BARS TO SOFT METRIC
4-26-96	ADDED NOTE REGARDING OPENING DIMENSION
10-2-95	CORRECTED #16 BAR SPACING
7-20-95	CONVERTED TO METRIC

ARKANSAS STATE HIGHWAY COMMISSION

**DETAILS OF DROP INLET (TYPE MO)**  
 STANDARD DRAWING FPC-9M (M) METRIC