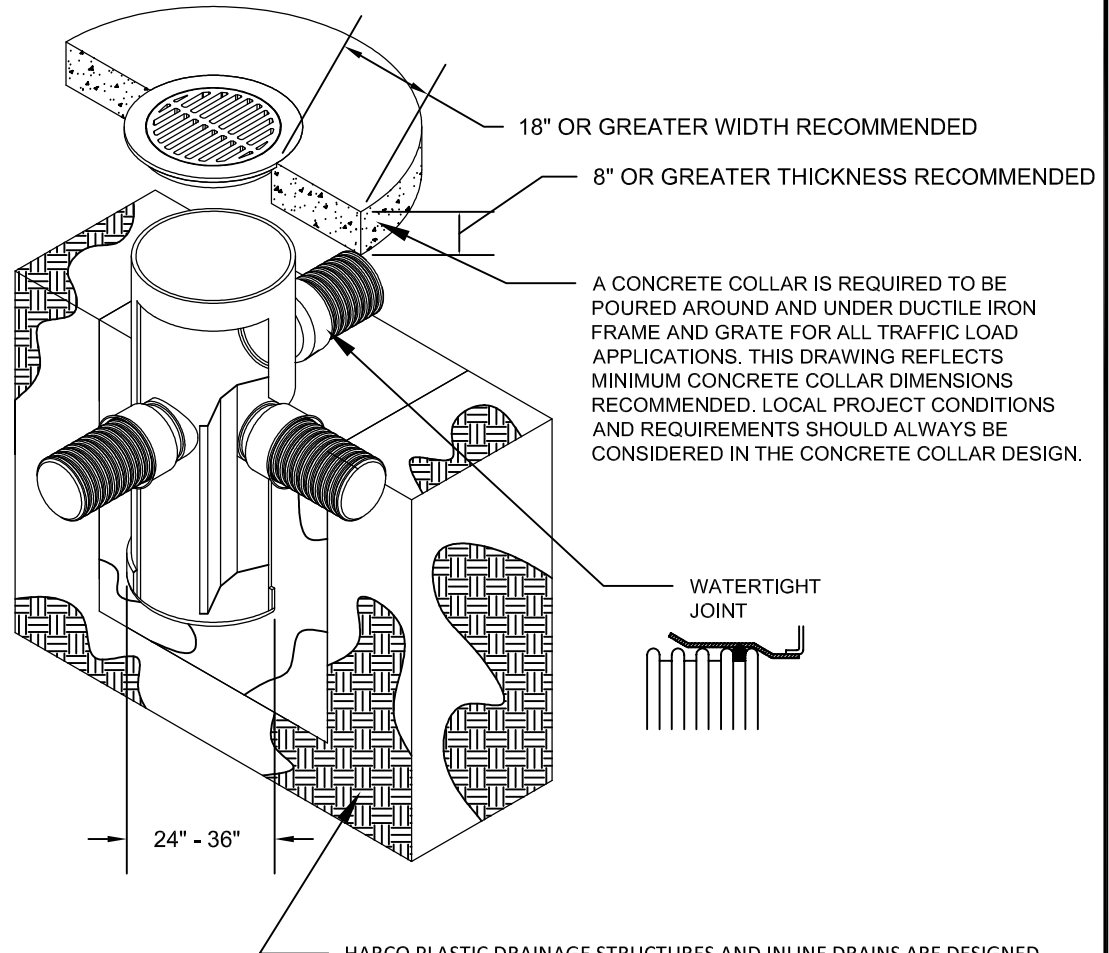
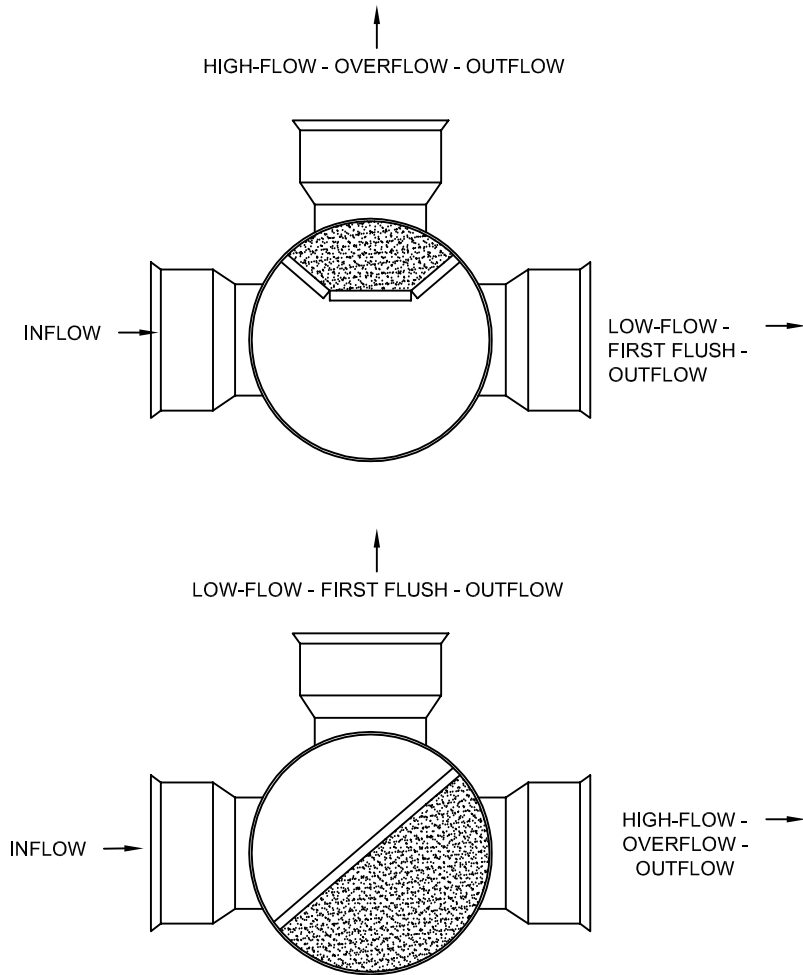
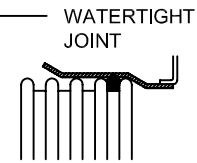


HARCO DRAIN BASIN WITH WEIR PLATE




A CONCRETE COLLAR IS REQUIRED TO BE POURED AROUND AND UNDER DUCTILE IRON FRAME AND GRATE FOR ALL TRAFFIC LOAD APPLICATIONS. THIS DRAWING REFLECTS MINIMUM CONCRETE COLLAR DIMENSIONS RECOMMENDED. LOCAL PROJECT CONDITIONS AND REQUIREMENTS SHOULD ALWAYS BE CONSIDERED IN THE CONCRETE COLLAR DESIGN.



HARCO PLASTIC DRAINAGE STRUCTURES AND INLINE DRAINS ARE DESIGNED TO BE INSTALLED USING ACCEPTED PLASTIC PIPE BACKFILL MATERIALS AND PRACTICES AS REFERENCED IN ASTM D2321. USE OF CLASS 2 RATED BEDDING AND BACKFILL MATERIAL, INCLUDING ANGULAR STONE AND OTHER CRUSHED OR GRANULAR MATERIALS AS CLARIFIED IN ASTM D2321 ARE ACCEPTABLE MATERIALS. ACCEPTABLE BEDDING AND BACKFILL MATERIAL WILL ALSO BE PLACED AND COMPACTED IN LAYERS ACCORDING TO ASTM D2321 GUIDELINES.

- 1 HARCO plastic drain basins are fabricated from PVC pipe stock. HARCO employs a thermo-molding process to ensure a consistent watertight seal throughout the drainage structure and its outlet stubs. The PVC resin utilized to make this PVC pipe stock conforms to ASTM D1784 cell class 12454
- 2 When utilizing the appropriate pipe gaskets, the pipe-to-structure connection meets or exceeds the pressure requirements of the ASTM D3212 standard for pipe connections of plastic drainage pipe and sewer pipe using flexible elastomeric seals. These pipe gaskets meet ASTM F477 requirements and are supplied by basin manufacturer.
- 3 Custom weir plates are available in 24"- 36" Harco drain basins
- 4 Harco custom wier plates are manufactured from stainless steel sheet stock
- 5 Weir heights, configurations, and orifice openings are determined by project design engineer
- 6 HARCO grates, covers, and frames shall be constructed of ductile iron meeting ASTM A536 Grade 80-55-06. There are various casting options available that meet H-10 and H-25 load ratings.

		THE HARRINGTON CORPORATION	
TITLE DRAIN BASIN WITH WEIR PLATE DETAIL		DWG NO 2015-013	REV 001
		SCALE N/A	DATE 2-25-15
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		SIZE	CKD BY JP
		SHEET	