

PIPE DIAMETER	DIMENSIONS					
IN.	$A$	$B$	$C$	$E$	$F$	$G$
12	2'-6"	1'-6"	0'-9"	1'-6"	2'-0"	1'-6"
18	3'-9"	2'-0"	1'-2"	2'-3"	3'-0"	2'-1"
24	5'-0"	2'-6"	1'-6"	3'-0"	4'-0"	2'-8"
30	6'-3"	3'-0"	1'-11"	3'-9"	5'-0"	3'-3"
36	7'-6"	3'-6"	2'-3"	4'-6"	6'-0"	3'-10"

**HEADWALL DIMENSIONS**

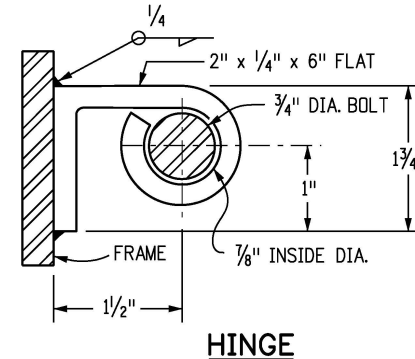
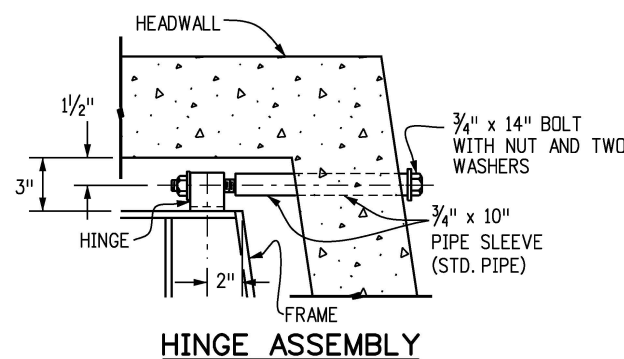
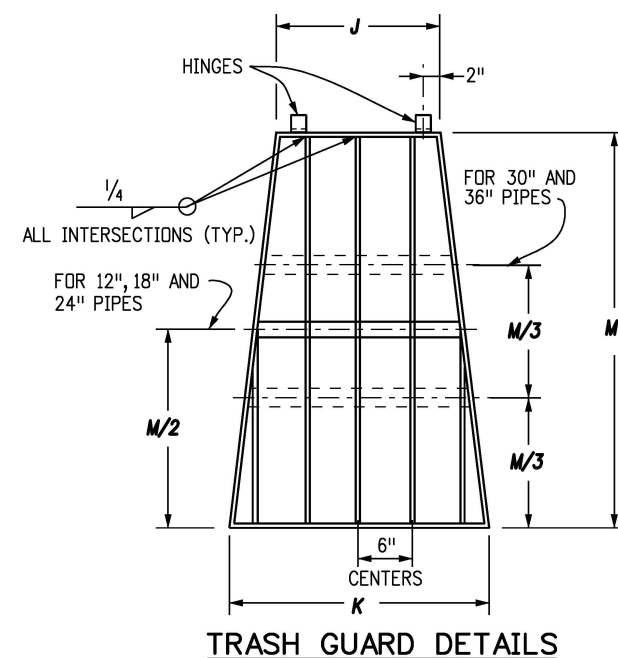
PIPE DIAMETER	CONCRETE	REINFORCED STEEL
IN.	CU. YDS.	LBS.
12	0.62	55
18	1.17	88
24	1.92	146
30	2.72	203
36	3.74	275

**HEADWALL QUANTITIES**

QUANTITIES FOR ONE HEADWALL AFTER DEDUCTION FOR PIPE.

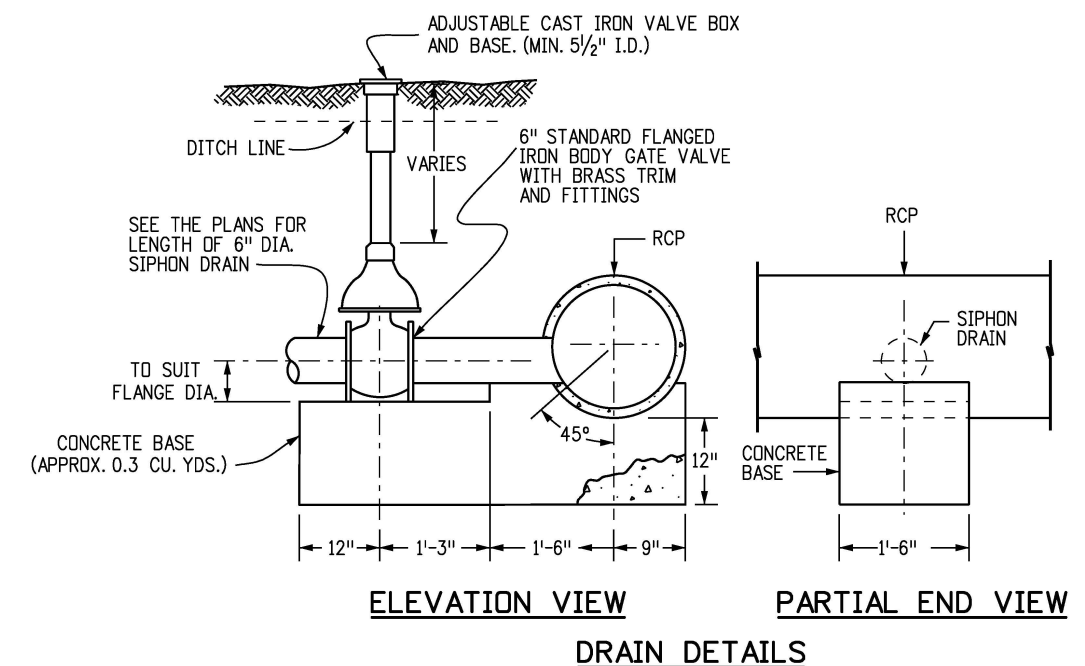
**GENERAL NOTES**

- SIPHON DRAIN, VALVE AND VALVE BOX, AND TRASH GUARDS ARE TO BE PROVIDED ONLY WHEN CALLED FOR ON THE PLANS.
- CONCRETE SHALL BE CLASS B.
- ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED  $\frac{3}{4}$  IN.
- THE LOCATION, SIZE, PIPE MATERIAL AND GOVERNING DIMENSIONS OF SIPHONS WILL BE SHOWN ON THE PLANS.
- TO DETERMINE WALL THICKNESS OR CLASS FOR SIPHON PIPE, SEE APPROPRIATE TABLES ON STANDARD PLAN M-603-2.
- COST OF JOINT SEALERS, GASKETS, FITTINGS AND CONNECTIONS SHALL BE INCLUDED IN THE BID PRICE FOR SIPHON PIPE.
- TRASH GUARDS AND APPURTENANCES SHALL BE GALVANIZED IN CONFORMANCE WITH AASHTO M 111.



PIPE DIAMETER	BAR AND BRACE SIZE	NO. OF BRACES EACH	DIMENSIONS			WEIGHT
INCHES			$J$	$K$	$M$	LBS.
12	3/8" x 2"	1	1'-0"	1'-6"	2'-6"	35.1
18	3/8" x 2"	1	1'-7"	2'-6"	3'-10"	74.4
24	3/8" x 2"	1	2'-2"	3'-6"	5'-2"	120.5
30	3/8" x 2 1/2"	2	2'-9"	4'-6"	6'-6"	235.9
36	3/8" x 2 1/2"	2	3'-4"	5'-6"	7'-10"	317.6

**TRASH GUARD DIMENSIONS AND QUANTITIES**



Computer File Information		Sheet Revisions		<div> <div> </div> <div> Colorado Department of Transportation  2829 West Howard Place  CDOT HQ, 3rd Floor  Denver, CO 80204  Phone: 303-757-9021 FAX: 303-757-9868  Project Development Branch </div> </div>	<div> <div> INVERTED SIPHON </div> <div> Issued by the Project Development Branch: July 31, 2019 </div> </div>	STANDARD PLAN NO.	
Creation Date: 07/31/19		Date:	Comments			M-616-1	
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Last Modification Date: 07/31/19	(R-X)					Project Sheet Number:	
Detailer Initials: LTA	(R-X)						
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch	JBK		