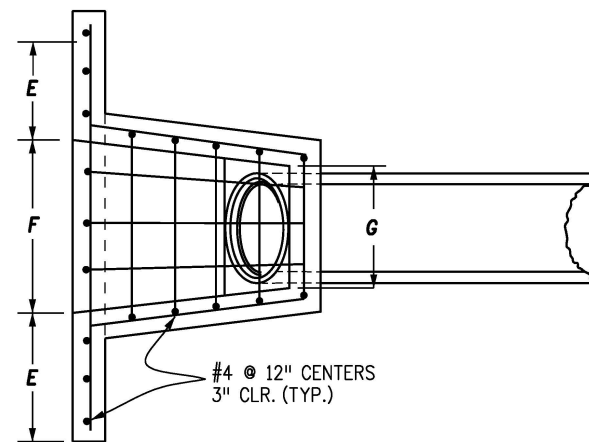
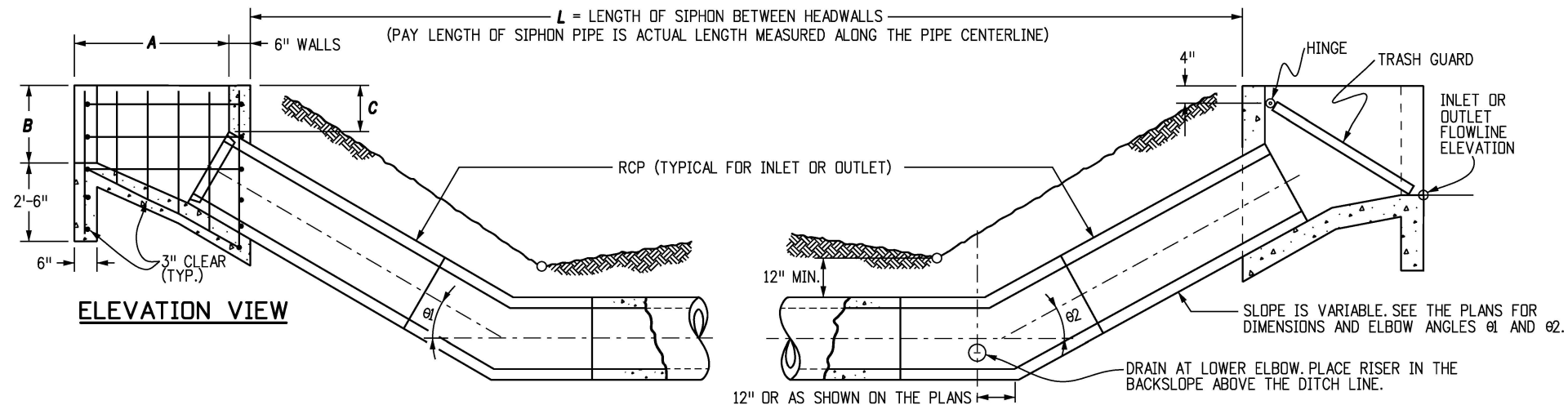




PIPE DIAMETER	DIMENSIONS					
IN.	A	B	C	E	F	G
12	2'-6"	1'-6"	0'-9"	1'-6"	2'-0"	1'-6"
18	3'-9"	2'-0"	1'-2"	2'-3"	3'-0"	2'-1"
24	5'-0"	2'-6"	1'-6"	3'-0"	4'-0"	2'-8"
30	6'-3"	3'-0"	1'-11"	3'-9"	5'-0"	3'-3"
36	7'-6"	3'-6"	2'-3"	4'-6"	6'-0"	3'-10"

HEADWALL DIMENSIONS

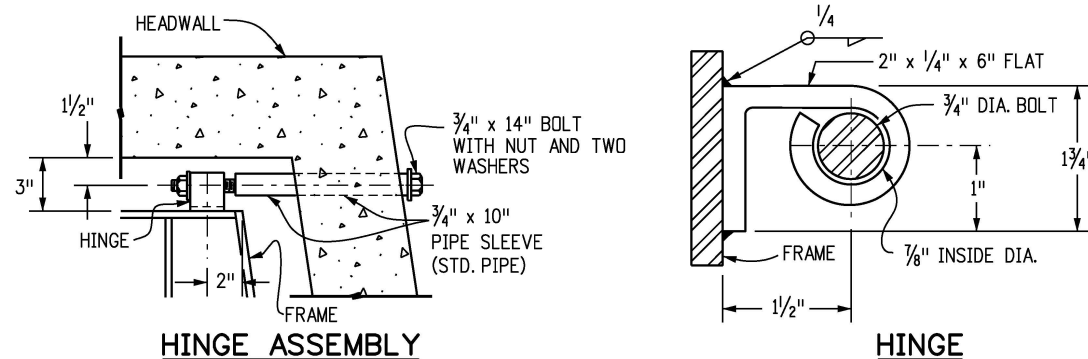
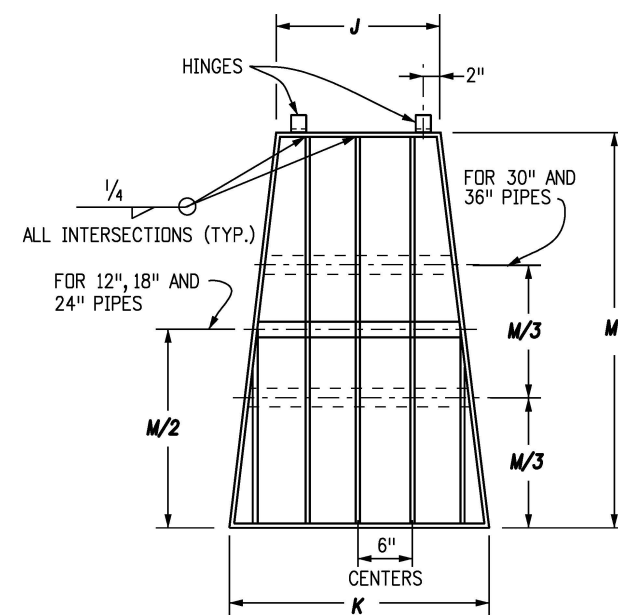
PIPE DIAMETER	CONCRETE	REINFORCED STEEL
IN.	CU. YDS.	LBS.
12	0.62	55
18	1.17	88
24	1.92	146
30	2.72	203
36	3.74	275

HEADWALL QUANTITIES

QUANTITIES FOR ONE HEADWALL AFTER DEDUCTION FOR PIPE.

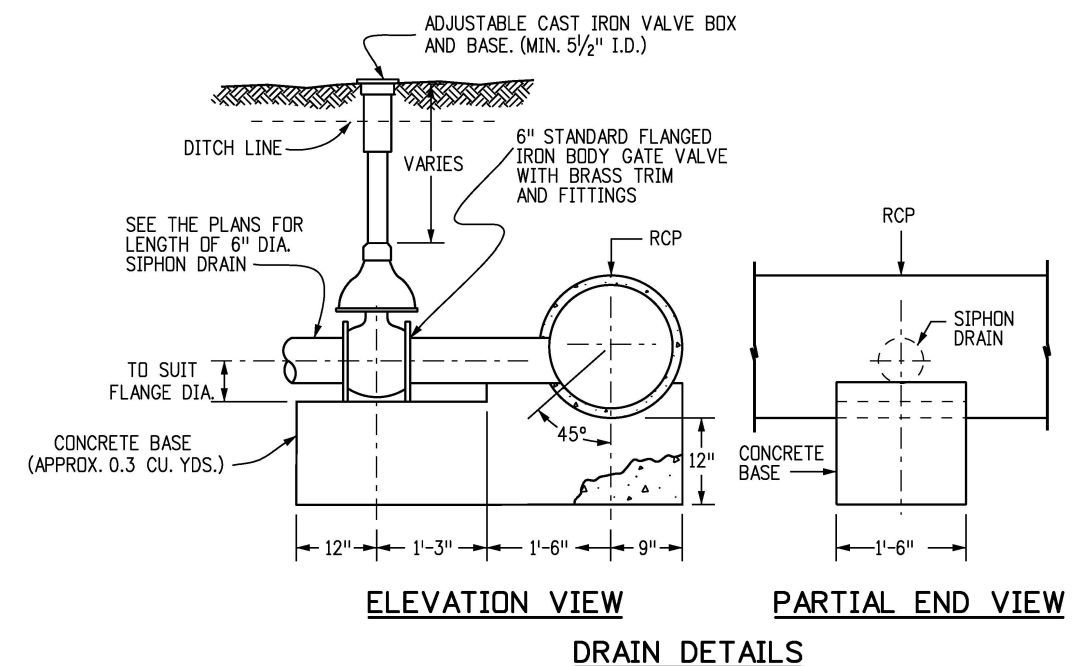
GENERAL NOTES

- 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	$\frac{3}{8}$ " x 2"	1	1'-0"	1'-6"	2'-6"	35.1
18	$\frac{3}{8}$ " x 2"	1	1'-7"	2'-6"	3'-10"	74.4
24	$\frac{3}{8}$ " x 2"	1	2'-2"	3'-6"	5'-2"	120.5
30	$\frac{3}{8}$ " x 2 1/2"	2	2'-9"	4'-6"	6'-6"	235.9
36	$\frac{3}{8}$ " x 2 1/2"	2	3'-4"	5'-6"	7'-10"	317.6

TRASH GUARD DIMENSIONS AND QUANTITIES



DRAIN DETAILS

Computer File Information		Sheet Revisions		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	INVERTED SIPHON	STANDARD PLAN NO.	
Creation Date: 07/31/19		Date:	Comments			M-616-1	
Designer Initials: JBK	(R-X)					Standard Sheet No. 1 of 1	
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				JBK	Issued by the Project Development Branch: July 31, 2019		