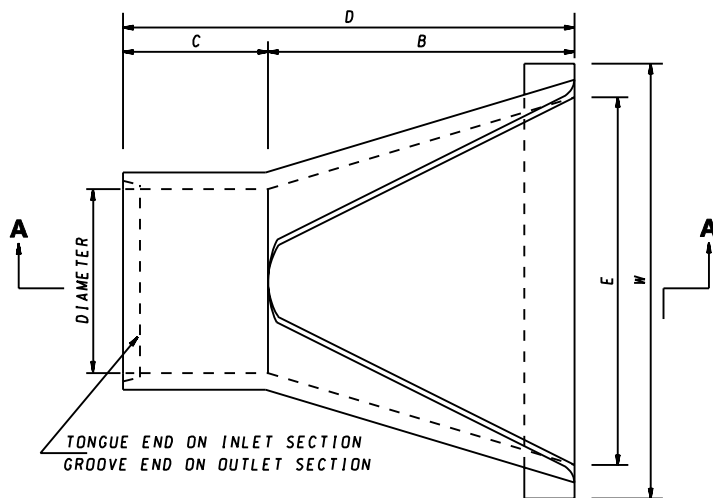
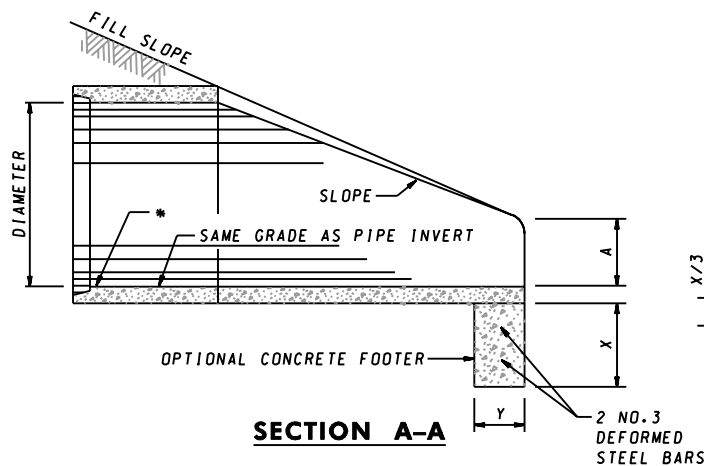




PLAN

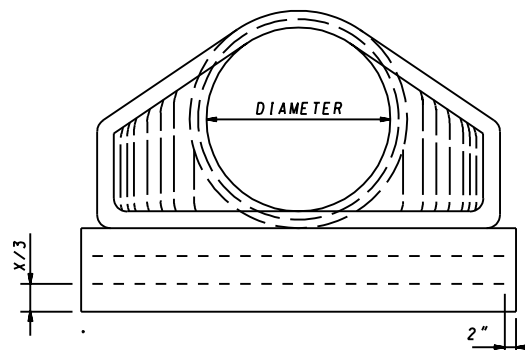


SECTION A-A

NOTES

1. CONTRACTOR HAS OPTION OF FURNISHING END SECTIONS CONFORMING TO DETAILS ON THIS SHEET OR END SECTIONS CONFORMING TO DETAILS ON STANDARD NO. MD 368.01.
2. END SECTIONS MUST BE REINFORCED TO CONFORM WITH CLASS IV PIPE.
3. CONCRETE FOOTER SHALL BE USED WHEN SPECIFIED ON THE PLANS. COST OF CONCRETE FOOTER TO BE INCLUDED IN PRICE OF END SECTION. CONCRETE TO BE MIX. NO.2 REINFORCEMENT TO BE NO.3 BARS.

* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATION TO BE NOTED ON THE CONSTRUCTION PLANS.

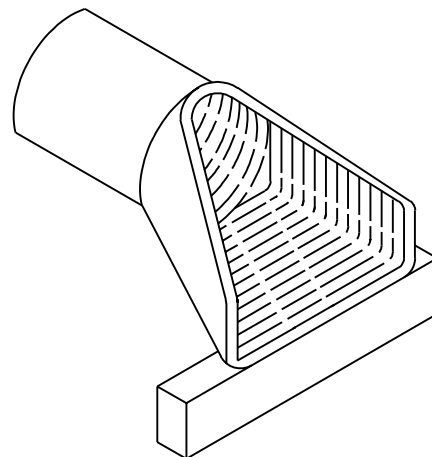


END VIEW

SEE NOTE 3 ABOVE FOR CONCRETE FOOTER

QUANTITIES FOR ESTIMATING PURPOSES ONLY

DIMENSIONS											QUANTITIES	
CONCRETE END SECTION							CONCRETE FOOTER					
DIA.	SLOPE	A	B	C	D	E	W	X	Y	CONC. C.Y.	STEEL LBS.	
12"	3:1	4"	2'-0"	4'-0 ¹ / ₈ "	6'-0 ¹ / ₈ "	2'-0"	3'-0"	12"	9"	0.08	24.00	
15"	3:1	6"	2'-3"	3'-10"	6'-1"	2'-6"	3'-6"	12"	9"	0.10	28.50	
18"	3:1	9"	2'-3"	3'-10"	6'-1"	3'-0"	4'-0"	12"	9"	0.11	33.00	
21"	3:1	9"	3'-0"	3'-1 ¹ / ₂ "	6'-1 ¹ / ₂ "	3'-6"	4'-6"	12"	9"	0.13	37.50	
24"	3:1	9 ¹ / ₂ "	3'-7 ¹ / ₂ "	2'-6"	6'-1 ¹ / ₂ "	4'-0"	5'-0"	15"	9"	0.17	42.00	
27"	3:1	10 ¹ / ₂ "	4'-1 ¹ / ₂ "	2'-0"	6'-1 ¹ / ₂ "	4'-6"	5'-6"	15"	9"	0.19	46.50	
30"	3:1	1'-0"	4'-6"	1'-7 ³ / ₄ "	6'-1 ³ / ₄ "	5'-0"	6'-0"	15"	9"	0.21	51.00	
33"	3:1	1'-2"	4'-7"	2'-2"	6'-9"	5'-6"	6'-6"	15"	9"	0.23	55.50	
36"	3:1	1'-3"	5'-3"	2'-10 ³ / ₄ "	8'-1 ³ / ₄ "	6'-0"	7'-3"	15"	9"	0.25	62.25	
42"	3:1	1'-6" OR 1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	7'-9"	15"	9"	0.27	66.75	
48"	3:1	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	8'-6"	18"	12"	0.47	73.50	
54"	2.4:1	2'-3"	5'-5"	2'-9 ¹ / ₄ "	8'-2 ¹ / ₄ "	7'-6"	9'-0"	18"	12"	0.50	78.00	



ISOMETRIC VIEW

SPECIFICATION 305	CATEGORY CODE ITEMS										
APPROVED <i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT											
SHA State Highway Administration	<table> <tr> <td>APPROVAL • SHA REVISIONS</td><td>APPROVAL • FEDERAL HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL 8-28-86</td><td>APPROVAL 12-12-86</td></tr> <tr> <td>REVISED 10-1-01</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table>	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL 8-28-86	APPROVAL 12-12-86	REVISED 10-1-01	REVISED	REVISED	REVISED	REVISED	REVISED
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REVISED	REVISED										

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD CONCRETE END SECTION
ROUND CONCRETE PIPE

STANDARD NO. MD 368.02