



NOTES:

End wall where required are for non-skewed pipes having a diameter of 96" or less. Reinforcing Steel Bars shall be 5/8 inch round, Epoxy Coated. Dimensions are shown for circular sections only. It will be necessary to determine dimensions for the end wall required for reinforced elliptical concrete pipe in accordance with the equations listed on this drawing. Concrete shall be Class "C". The soil must have a bearing capacity of 2600 pounds per square foot prior to placing the end wall. The pipe opening shall be the exact dimension of the outside diameter of the specified pipe.

DIMENSIONS					
Diameter	H	L	Diameter	H	L
12"	3'-6"	3'-0"	42"	4'-6"	7'-0"
15"	3'-6"	3'-0"	48"	4'-6"	8'-0"
18"	3'-6"	5'-0"	54"	5'-0"	9'-6"
21"	3'-6"	6'-0"	60"	5'-6"	10'-6"
24"	3'-6"	7'-0"	66"	6'-0"	12'-0"
27"	3'-6"	7'-0"	72"	6'-0"	13'-0"
30"	3'-6"	7'-0"	78"	6'-6"	14'-6"
33"	3'-6"	7'-0"	84"	6'-6"	15'-6"
36"	3'-6"	7'-0"	90"	7'-0"	17'-0"
39"	4'-0"	7'-0"	96"	7'-0"	18'-0"

PRECAST END WALLS SHALL NOT BE USED UNLESS APPROVED BY THE COUNTY ENGINEER.

CHRIS E. BAUSERMAN, P.E., P.S. Delaware County Engineer		STANDARD CONSTRUCTION DRAWING PRECAST PIPE END WALLS 12" TO 96" DIA.		DELAWARE COUNTY ENGINEER'S OFFICE 50 Channing Street Delaware, Ohio 43015 PHONE: (740)833-2400 FAX: (740)833-2399 www.co.delaware.oh.us	
<i>Delaware County Engineer</i>				Drawn <u>KS</u> sheet <u>1</u> FILE NO. Checked <u>EM</u> of <u>1</u> DCED-S169	
APPROVED 1-22-2008	REVISED 9-15-2014				