

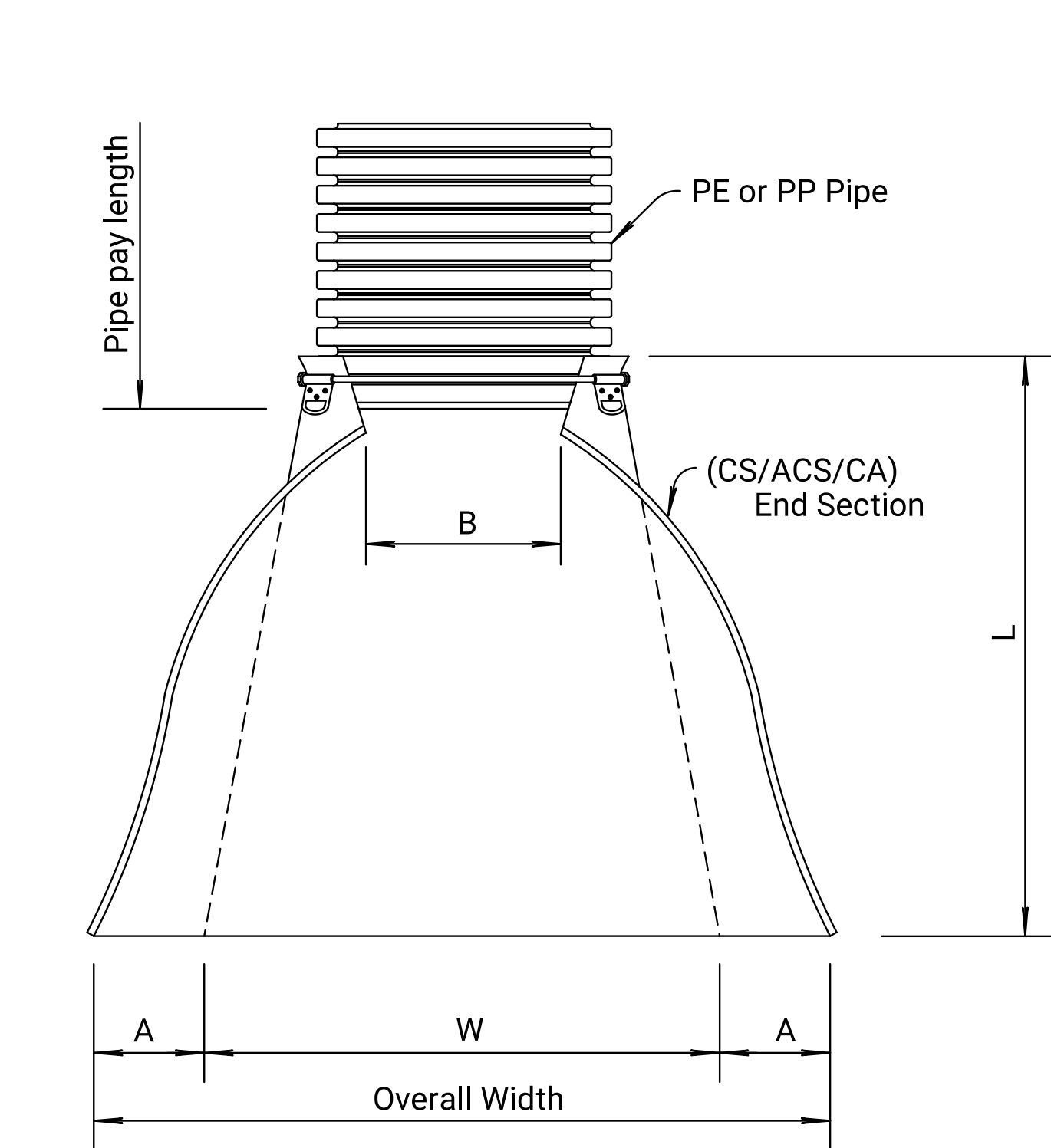
Note to Designer:
 KDOT Pipe Policy provides guidance in identifying the prohibited and/or restricted uses of CSP, ACSP, PEP, PVCp, PPP, SRPEP, CAP & RCP. Provide end sections of the same type and coating as the pipe. Exceptions to this are noted in the Standard Specifications. Refer to the KDOT Design Manual, Volume I (Part C), Road Section, "Elements of Drainage & Culvert Design" for structural pipe design information which includes: corrugations, sizes, gauges, maximum/minimum fill heights and classes of pipe.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS		0	0	

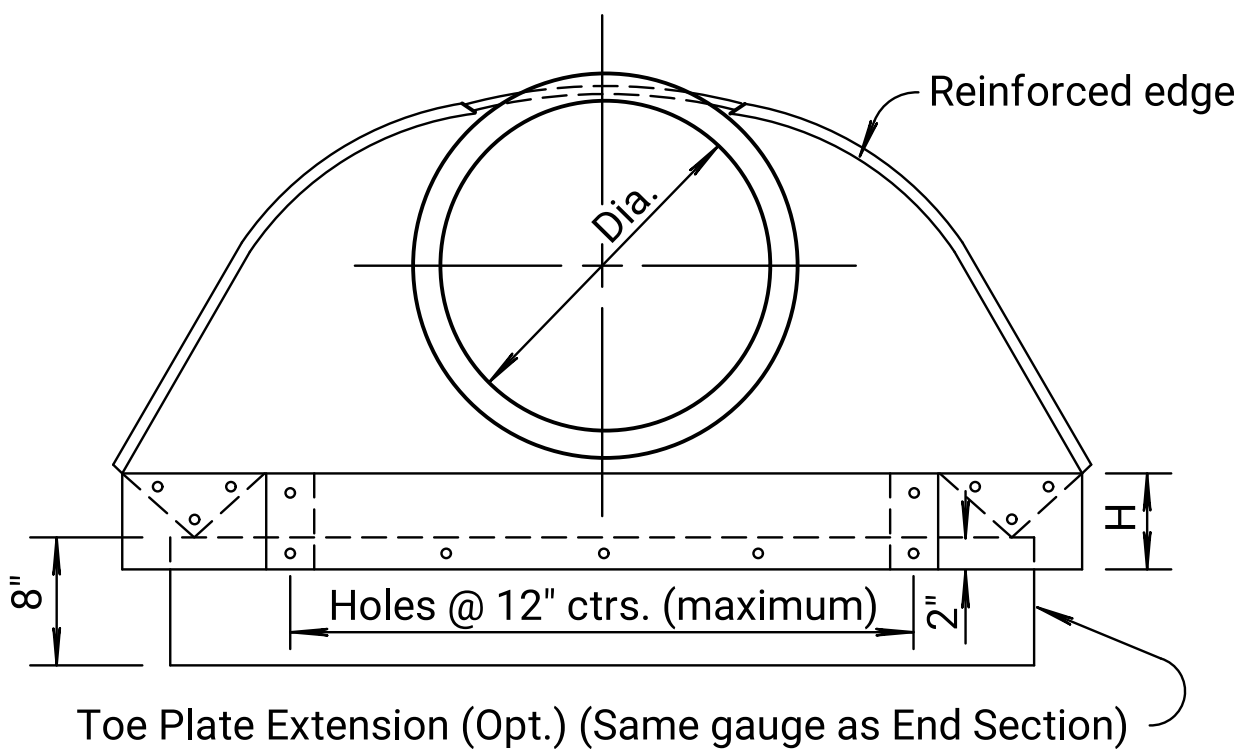
GENERAL NOTES

The culvert type shall meet the KDOT Pipe Policy & Standard Specifications. The size of pipe designated on the plan shall be the nominal inside diameter of a two wall corrugated PE pipe (Type S) or PP pipe (Type S). PE or PP pipe couplings shall be designed to cover at least two full corrugations on each side of a joint. No additional payment shall be made for any gain in length due to the fit of the pipe at connections. All corrugated PE or PP pipe, end sections, couplings, and fittings shall conform with the Standard Specifications. See Standard Specifications for PE or PP Pipe bedding and backfill. Multiple panel end sections shall have lap seams which are to be tightly joined by bolts & nuts. Corner plate and toe plate to be same gauge and material as end section. When required optional toe plate extension shall be overall width less 6" x 8" high. Attachment to PE or PP pipe 12" diameter and up shall be made with Type 2 Connector. All work and materials required for construction and installation of end section shall be included in the bid item "End Section".

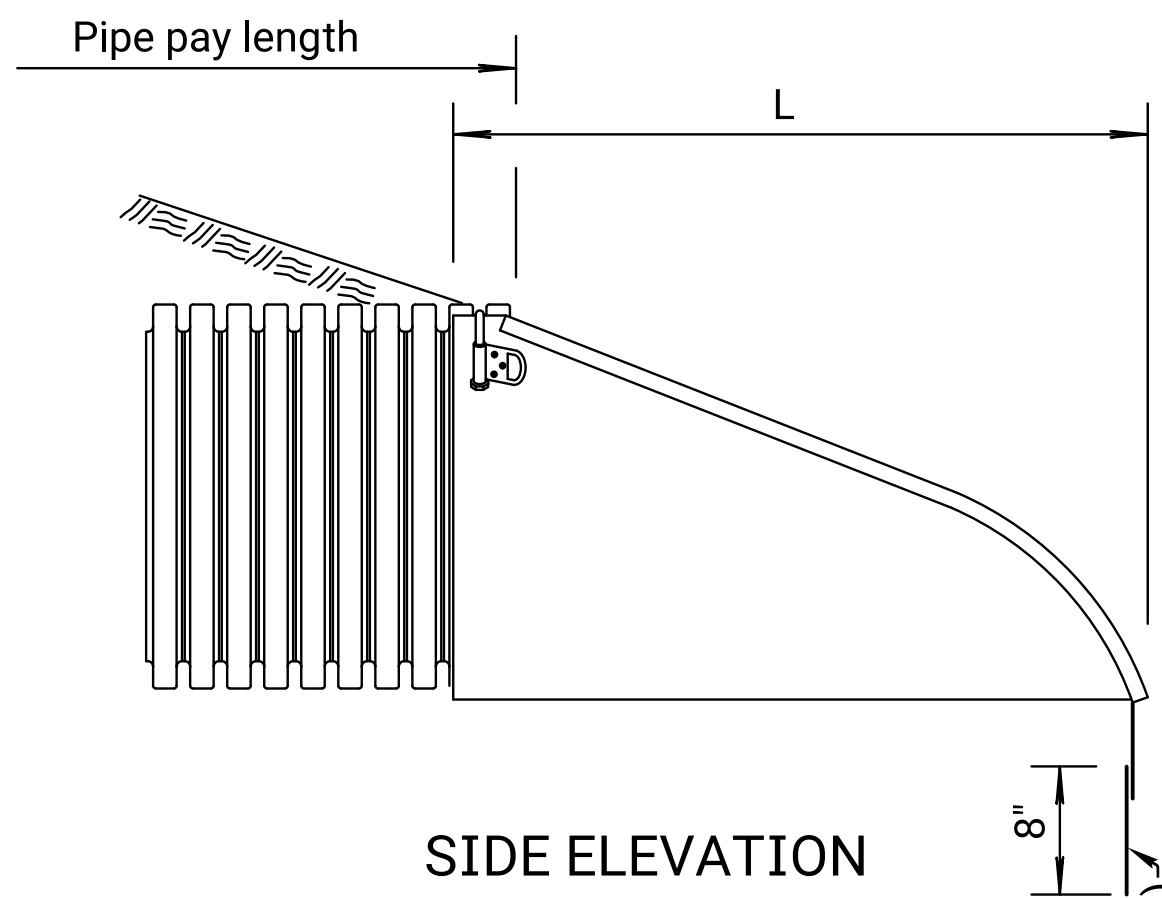
(CS/ACS/CA) END SECTION FOR PE or PP PIPE							
Pipe Dia. (In.)	Min. Gauge Ends	Dimensions in Inches					Slope
		A (min.)	B (max.)	H (min.)	L (+/-2")	W (min.)	
12"	16	6	7	6	21	24	2½:1
15"	16	7	8	6	26	30	2½:1
18"	16	8	10	6	31	36	2½:1
21"	16	9	12	6	36	42	2½:1
24"	16	10	13	6	41	48	2½:1
30"	14	12	16	8	51	60	2½:1
36"	14	14	19	9	60	72	2½:1
42"	12	16	25	11	69	84	2½:1
48"	12	18	29	12	78	90	2¼:1
54"	12	18	33	12	84	102	2¼:1
60"	12/10	18	36	12	87	114	2:1



PLAN
 (Illustrated with Type 2 Connector)

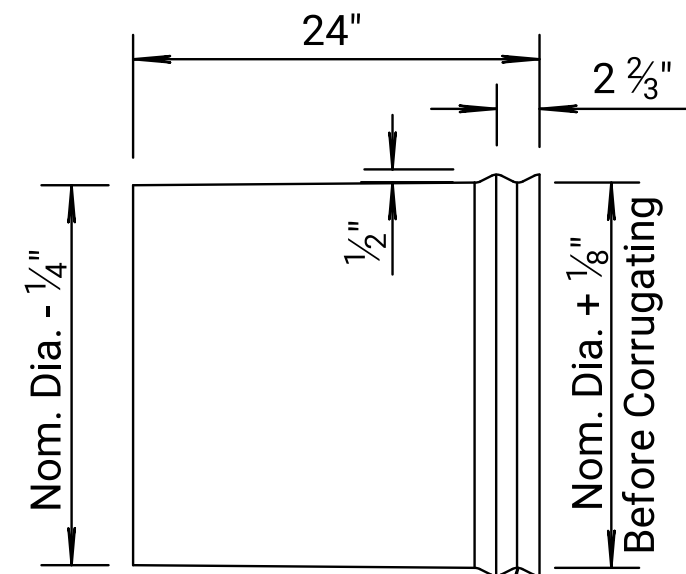
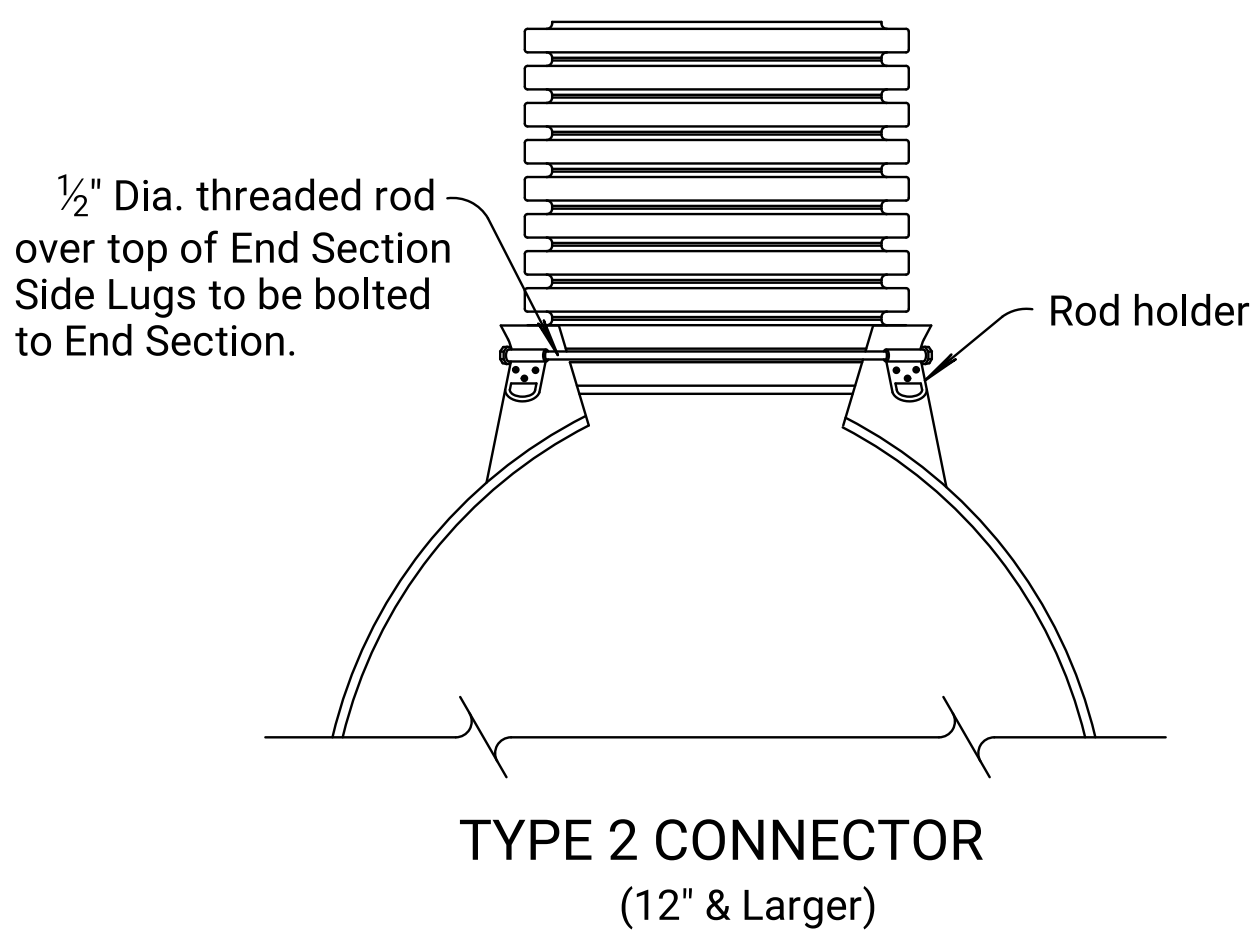


FRONT ELEVATION



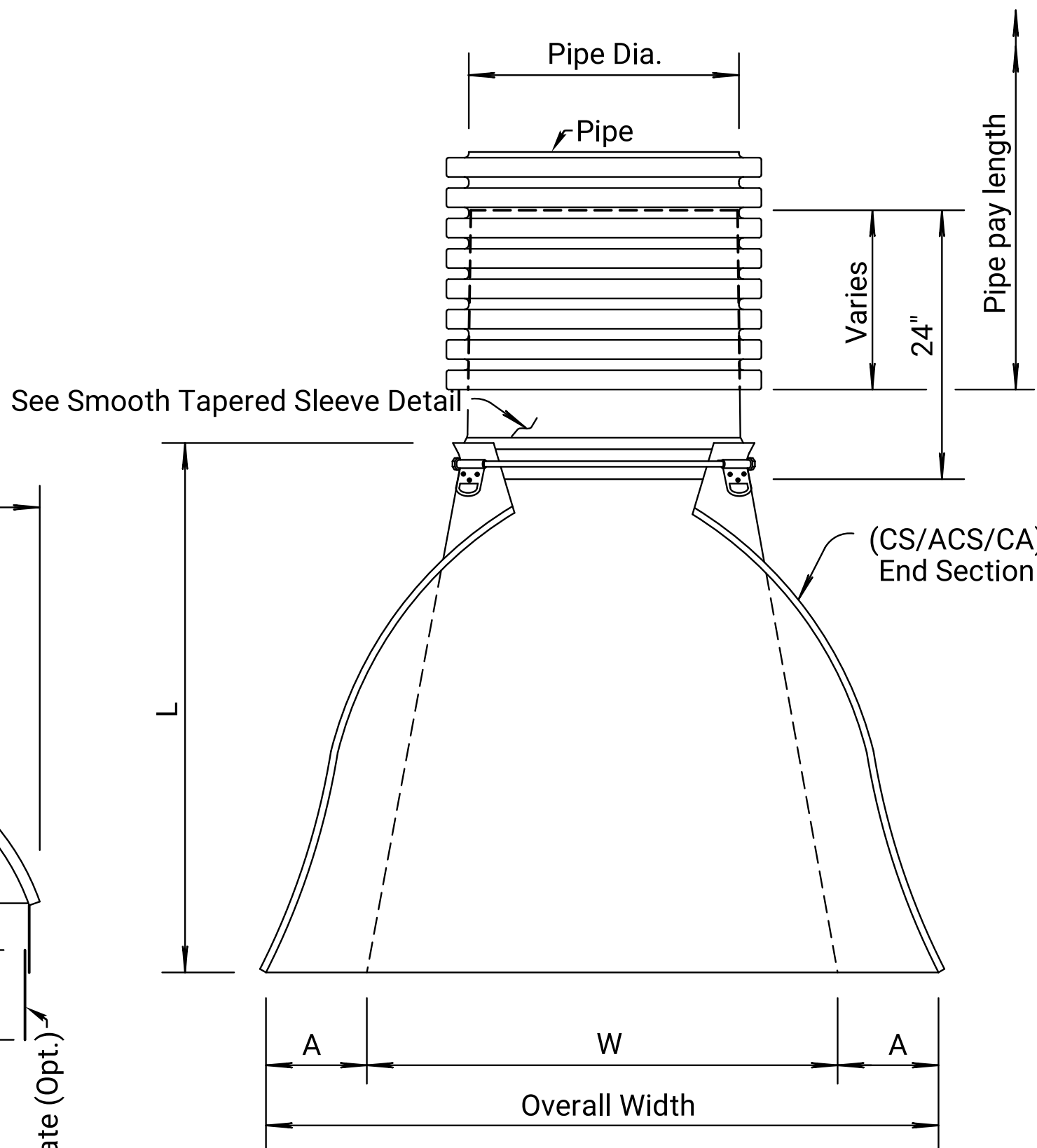
SIDE ELEVATION

⊗ Toe plate extensions where specified, to be punched to match holes in apron lip and bolted with 3/8" dia. bolts. The length of toe plate to be as follows:
 W + 10" for 12" to 30" diameter pipe inclusive.
 W + 20" for 36" to 60" diameter pipe inclusive.

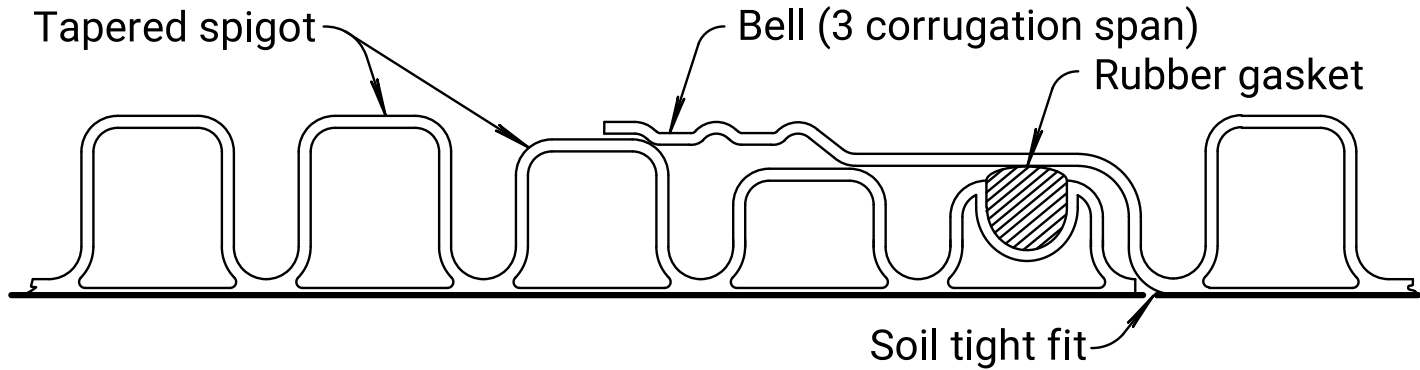


Form 1/2" x 2 2/3" Corrugations in 12 ga. smooth CS (Galvanized) or ACS (Aluminized) metal, maintain inside diameter of sleeve.

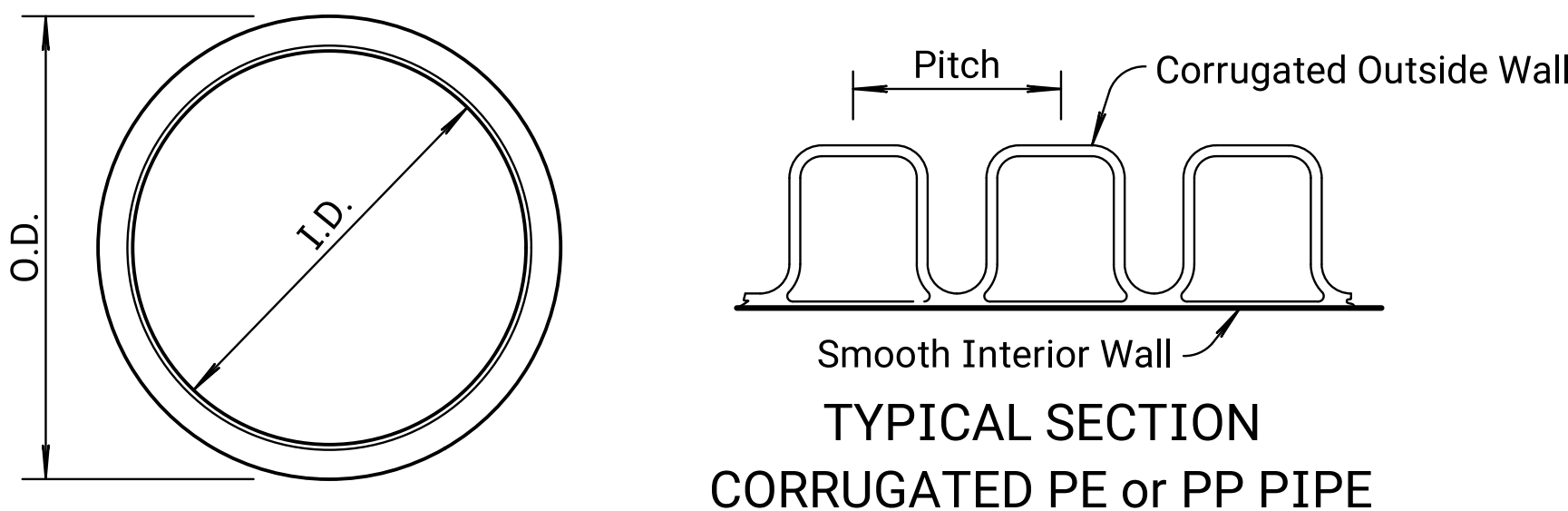
SMOOTH TAPERED SLEEVE DETAIL
 (Required)



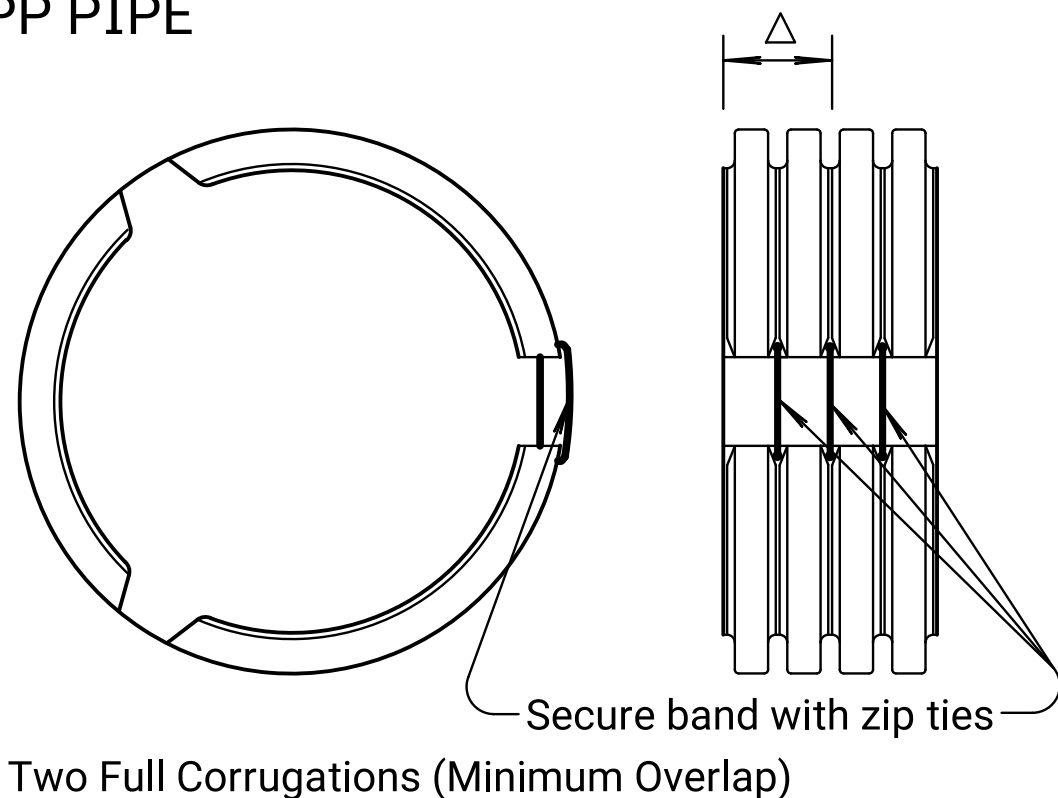
PLAN
 TAPERED SLEEVE FOR ATTACHING METAL END SECTION TO PE OR PP PIPE
 (Illustrated with Type 2 Connector)



PE or PP PIPE BELL & SPIGOT CONNECTION
 SOIL TIGHT JOINT

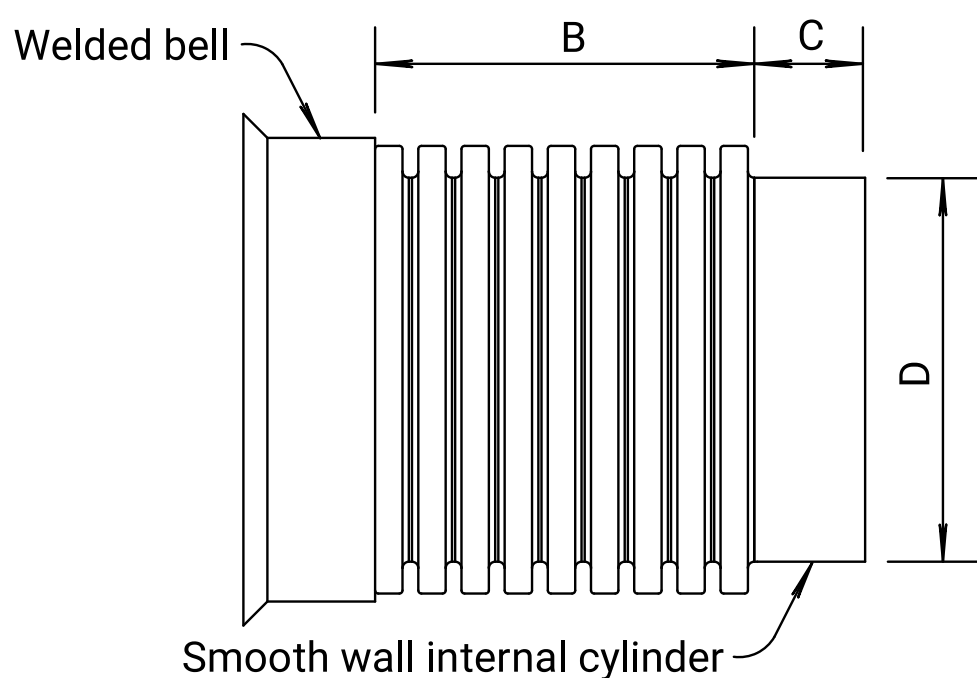


DETAILS OF CORRUGATED PE or PP PIPE



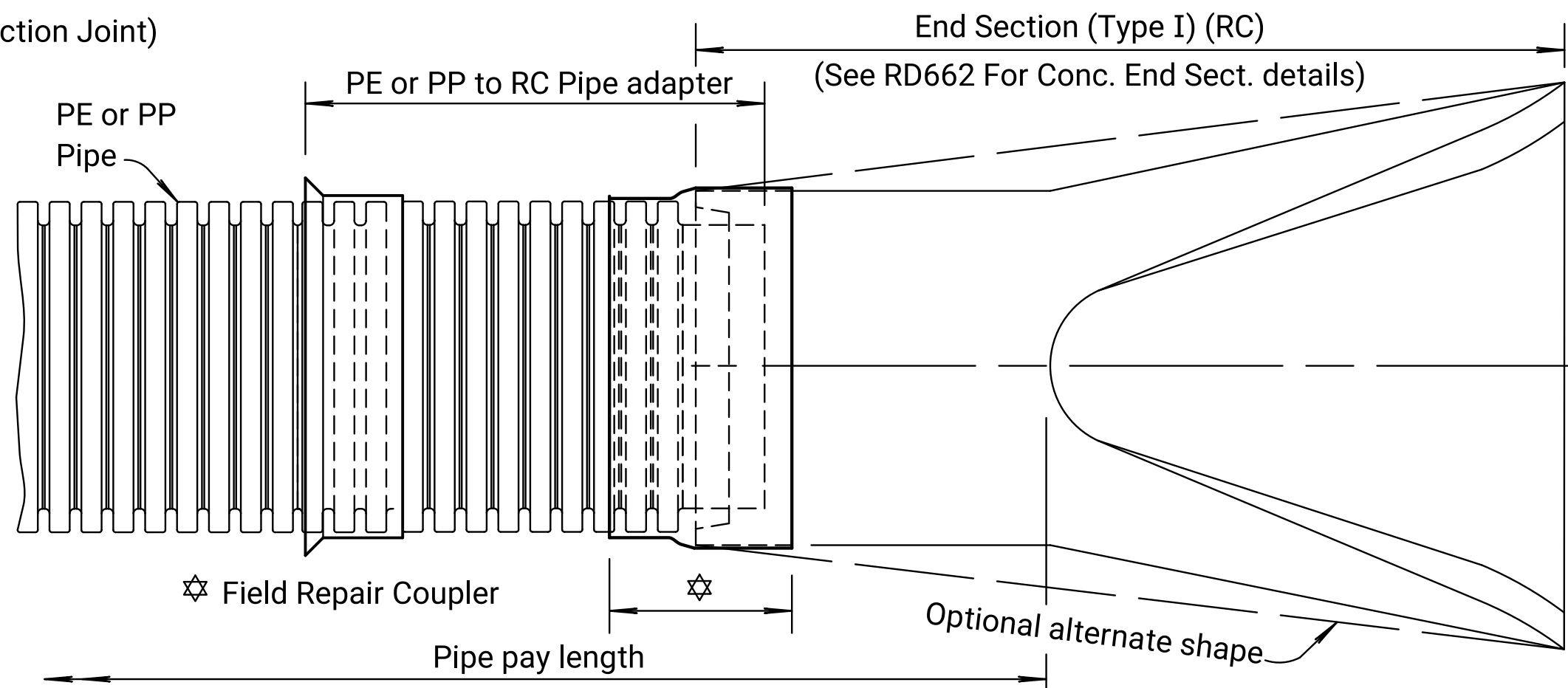
PE or PP PIPE SPLIT BAND COUPLER
 SOIL TIGHT JOINT

This band is used for (Field Splice Construction Joint)



PE or PP to RC PIPE ADAPTER

PE or PP TO RC PIPE ADAPTER			
Pipe Dia. (In.)	B	C	D
18"	18 1/4"	6"	18"
24"	25"	6"	24"
30"	32 13/16"	6"	30"
36"	36 3/4"	6"	36"
42"	36"	6"	41 1/4"
48"	36 3/4"	6"	41 1/4"
60"	36"	6"	59"



PE or PP to RC PIPE ADAPTER to CONCRETE END SECTION
 (This installation is for Acidic Soil Conditions)

03	5-9-22	Added Polypropylene pipe (PP) type	A.L.R.	S.W.K.
02	07-17-17	Changed tapered slv. requirement	A.L.R.	S.W.K.
01	02-08-08	Added ref. to KDOT pipe policy	S.W.K.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION				
METAL/CONCRETE END SECTION (TYPE I) for PE or PP PIPE				
RD667				
FHWA APPROVAL		06-08-22		APPD.
DESIGNED	QUANTITIES	DESIGNED	QUANTITIES	DESIGNED
DESIGN CK.	QUAN. CK.	DESIGN CK.	QUAN. CK.	DESIGN CK.