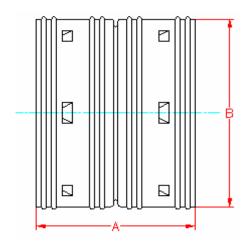
EXTERNAL SNAP COUPLER

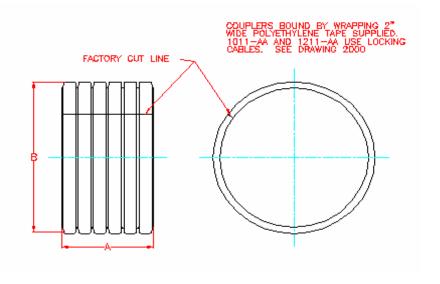
PART #	PIPE SIZE	А	В
0312AA	3 in	4.0 in	4.0 in
	(75 mm)	(102 mm)	(102 mm)
0412AA*	4 in	4.3 in	5.1 in
041277	(100 mm)	(108 mm)	(130 mm)
0512AA	5 in	4.4 in	6.3 in
0512AA	(125 mm)	(111 mm)	(159 mm)
0612AA	6 in	5.6 in	7.4 in
0012AA	(150 mm)	(143 mm)	(187 mm)
0812AA	8 in	6.0 in	10.0 in
UOTZAA	(200 mm)	(152 mm)	(254 mm)
1012AA	10 in	10.3 in	12.5 in
1012AA	(250 mm)	(260 mm)	(318 mm)



SINGLE WALL SPLIT COUPLER

PART #	PIPE SIZE	Α	В
0311AA 3 in		3.0 in	4.0 in
USTIAA	(75 mm)	(76 mm)	(102 mm)
0411AA	4 in	3.8 in	5.1 in
U4TTAA	(100 mm)	(95 mm)	(130 mm)
0511AA	5 in	4.0 in	6.3 in
USTIAA	(125 mm)	(102 mm)	(159 mm)
061144	6 in	4.0 in	7.4 in
0611AA	6 in (150 mm)	4.0 in (102 mm)	7.4 in (187 mm)
0611AA 0811AA*	(150 mm)	(102 mm)	(187 mm)
0811AA*	(150 mm) 8 in	(102 mm) 6.0 in	(187 mm) 10.0 in
	(150 mm) 8 in (200 mm)	(102 mm) 6.0 in (152 mm)	(187 mm) 10.0 in (254 mm)
0811AA*	(150 mm) 8 in (200 mm) 10 in	(102 mm) 6.0 in (152 mm) 5.5 in	(187 mm) 10.0 in (254 mm) 12.5 in

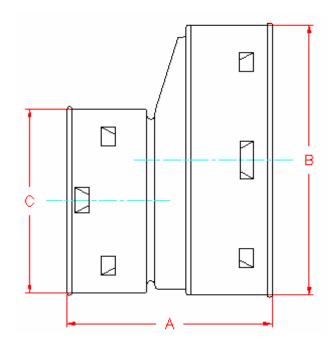
^{*} DENOTES PARTS THAT CAN ALSO BE USED ON DUAL WALL PIPE



DRAWING #:	1000	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.22.07
REVISIONS:	NJP	06.12.07

SINGLE WALL SNAP REDUCING COUPLER

PART #	PIPE SIZE	А	В	С
0314AA	4 x 3 in	4.6 in	5.1 in	4.0 in
	(100 x 75 mm)	(118 mm)	(130 mm)	(102 mm)
0514AA	5 x 4 in	5.0 in	6.3 in	5.1 in
0014701	(125 x 100 mm)	(127 mm)	(159 mm)	(130 mm)
0614AA	6 x 4 in	5.8 in	7.4 in	5.1 in
0014AA	(150 x 100 mm)	(146 mm)	(187 mm)	(130 mm)
0516AA	6 x 5 in	5.8 in	7.4 in	6.3 in
USTOAA	(150 x 125 mm)	(147 mm)	(187 mm)	(159 mm)
0816AA	8 x 6 in	5.8 in	10.0 in	7.4 in
I UOTOAA				
0010/111	(200 x 150 mm)	(146 mm)	(254 mm)	(187 mm)
	(200 x 150 mm) 10 x 8 in	(146 mm) 10.0 in	(254 mm) 12.5 in	(187 mm) 10.0 in
1018AA			/	`
	10 x 8 in	10.0 in	12.5 in	10.0 in

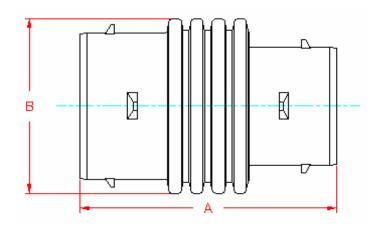




DRAWING #:	1005	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.22.07
REVISIONS:	NJP	06.12.07

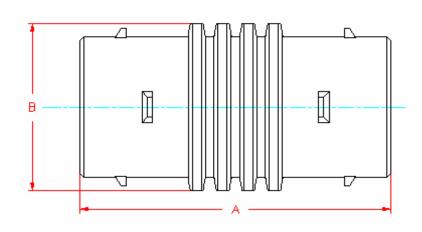
INTERNAL REDUCING COUPLER

PART #	PIPE SIZE	А	В
0425AA	5 x 4 in	8.8 in	5.9 in
	(125 x 100 mm)	(222 mm)	(149 mm)
0526AA	6 x 5 in	8.8 in	7.0 in
	(150 x 125 mm)	(222 mm)	(178 mm)



INTERNAL COUPLER

PART #	PIPE SIZE	А	В
0315AA	3 in	6.0 in	3.5 in
	(75 mm)	(152 mm)	(89 mm)
0415AA	4 in	8.3 in	4.8 in
0410/01	(100 mm)	(210 mm)	(121 mm)
0417AA	4 in	6.1 in	4.8 in
041777	(100 mm)	(156 mm)	(121 mm)
0515AA	5 in	8.3 in	5.9 in
0313AA	(125 mm)	(210 mm)	(149 mm)
0615AA	6 in	8.3 in	7.0 in
0013AA	(150 mm)	(210 mm)	(178 mm)
0815AA	8 in	11.5 in	9.1 in
0013AA	(200 mm)	(292 mm)	(232 mm)
1015AA	10 in	12.0 in	9.0 in
IUISAA	(250 mm)	(305 mm)	(229 mm)

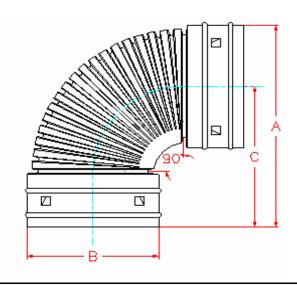




DRAWING #:	1010	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.22.07
REVISIONS:	NJP	06.12.07

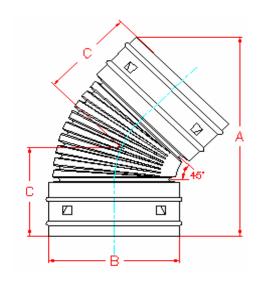
90°SNAP ELBOW

PART #	PIPE SIZE	А	В	С
0390AA	3 in	7.4 in	4.0 in	5.4 in
	(75 mm)	(187 mm)	(102 mm)	(137 mm)
0490AA	4 in	7.9 in	5.1 in	5.3 in
	(100 mm)	(200 mm)	(130 mm)	(133 mm)



45°SNAP ELBOW

PART #	PIPE SIZE	А	В	С
0445AA	4 in	7.5 in	5.1 in	3.8 in
044377	(100 mm)	(191 mm)	(130 mm)	(95 mm)

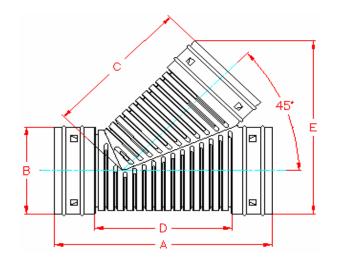


ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1015	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

SINGLE WALL WYE

PART #	PIPE SIZE	Α	В	С	D	E
0322AA	3 in	10.5 in	4.0 in	7.0 in	6.4 in	8.4 in
	(75 mm)	(267 mm)	(102 mm)	(178 mm)	(162 mm)	(213 mm)
0422AA	4 in	11.6 in	5.1 in	7.6 in	7.3 in	9.8 in
0422///	(100 mm)	(295 mm)	(130 mm)	(194 mm)	(184 mm)	(248 mm)
0522AA	5 in	13.6 in	6.3 in	9.3 in	8.8 in	11.9 in
UJZZAA	(125 mm)	(346 mm)	(159 mm)	(235 mm)	(222 mm)	(302 mm)
0622AA	6 in	16.0 in	7.4 in	11.1 in	11.4 in	14.1 in
UUZZAA	(150 mm)	(406 mm)	(187 mm)	(283 mm)	(289 mm)	(359 mm)
0822AA	8 in	19.3 in	10.0 in	13.5 in	14.9 in	18.8 in
UOZZAA	(200 mm)	(489 mm)	(254 mm)	(343 mm)	(378 mm)	(476 mm)

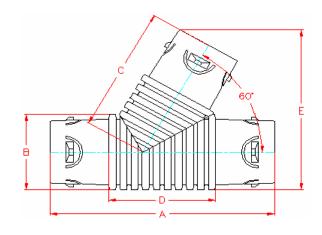




DRAWING #:	1020	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07
		, and the second

SINGLE WALL INTERNAL WYE

PART #	PIPE SIZE	Α	В	С	D	E
0321 // /	3 in	9.9 in	3.5 in	5.8 in	4.7 in	7.5 in
0321AA	(75 mm)	(250 mm)	(89 mm)	(147 mm)	(119 mm)	(190 mm)

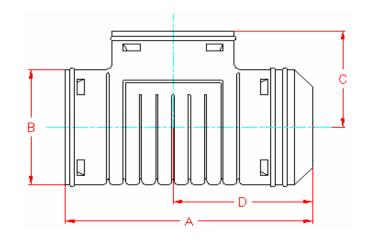




DRAWING #:	1021	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	TJR	10.17.07

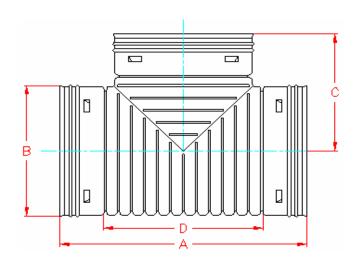
BLIND TEE

PART #	PIPE SIZE	Α	В	С	D
0341AA	3 in	10.0 in	4.0 in	4.3 in	5.8 in
0041707	(75 mm)	(254 mm)	(102 mm)	(108 mm)	(146 mm)
0441AA	4 in	12.0 in	5.1 in	4.0 in	7.5 in
0441777	(100 mm)	(305 mm)	(130 mm)	(6 mm)	(191 mm)
0541AA	5 in	12.5 in	6.3 in	5.9 in	6.8 in
0341AA	(125 mm)	(318 mm)	(159 mm)	(149 mm)	(171 mm)
0641AA	6 in	14.0 in	7.4 in	6.3 in	7.8 in
0041AA	(150 mm)	(356 mm)	(187 mm)	(159 mm)	(197 mm)
0841AA	8 in	20.3 in	9.9 in	10.5 in	10.8 in
004177	(200 mm)	(514 mm)	(251 mm)	(267 mm)	(273 mm)
1041AA	10 in	21.5 in	12.3 in	12.3 in	10.8 in
1041AA	(250 mm)	(546 mm)	(311 mm)	(311 mm)	(273 mm)



SNAP TEE

PART#	PIPE SIZE	А	В	С	D
0321AA	3 in	8.3 in	4.0 in	4.3 in	4.5 in
	(75 mm)	(210 mm)	(102 mm)	(108 mm)	(114 mm)
0421AA	4 in	9.5 in	5.1 in	4.0 in	5.5 in
0121701	(100 mm)	(241 mm)	(130 mm)	(102 mm)	(140 mm)
0525AA	5 in	10.9 in	6.3 in	5.9 in	5.6 in
0323AA	(125 mm)	(276 mm)	(159 mm)	(149 mm)	(143 mm)
0626AA	6 in	12.5 in	7.4 in	6.3 in	7.8 in
0020AA	(150 mm)	(318 mm)	(187 mm)	(159 mm)	(197 mm)

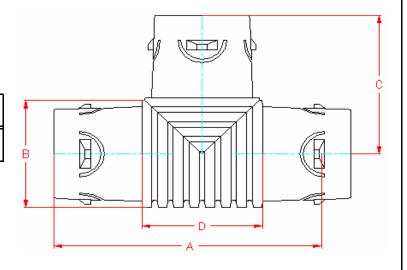




DRAWING #:	1025	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

INTERNAL SNAP TEE

PART #	PIPE SIZE	А	В	С	D
0321AAIN	3 in	9.1 in	3.5 in	4.6 in	3.7 in
	(75 mm)	(231 mm)	(89 mm)	(116 mm)	(94 mm)

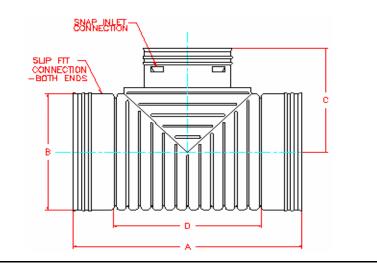


ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1026	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

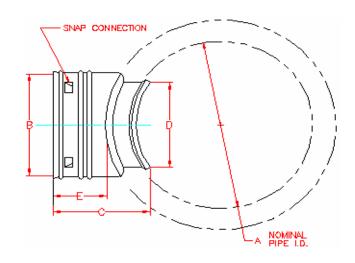
REDUCING TEE

PART #	PIPE SIZE	А	В	С	D
0523AA	5 x 3 in (125 x 75 mm)	11.5 in (292 mm)	4.0 in (102 mm)	6.0 in (152 mm)	7.0 in (178 mm)
0524AA	5 x 4 in	10.8 in	5.1 in	6.0 in	5.5 in
	(125 x 100 mm)	(273 mm)	(130 mm)	(6 mm)	(140 mm)
0624AA	6 x 4 in	12.5 in	6.3 in	8.5 in	6.5 in
	(150 x 100 mm)	(318 mm)	(159 mm)	(216 mm)	(165 mm)
0625AA	6 x 5 in	12.5 in	7.4 in	8.5 in	6.5 in
	(150 x 125 mm)	(318 mm)	(187 mm)	(216 mm)	(165 mm)



TAP TEE

PART #	PIPE SIZE	А	В	С	D	E
0350AA	3 in	6 & 8 in	4.0 in	3.8 in	2.8 in	2.4 in
0330AA	(75 mm)	(150 mm) (200 mm)	(102 mm)	(95 mm)	(70 mm)	(60 mm)
0450AA	4 in	6 & 8 in	5.1 in	4.5 in	3.8 in	2.5 in
0 4 30AA	(100 mm)	(150 mm) (200 mm)	(130 mm)	(114 mm)	(95 mm)	(64 mm)
0410AA	4 in	10 & 12 in	5.1 in	5.3 in	3.8 in	2.8 in
0410AA	(100 mm)	(250 mm) (300 mm)	(130 mm)	(133 mm)	(95 mm)	(70 mm)

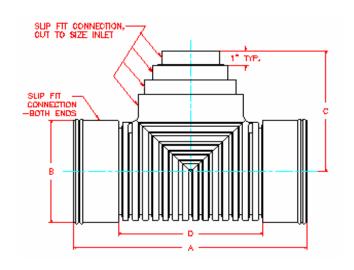




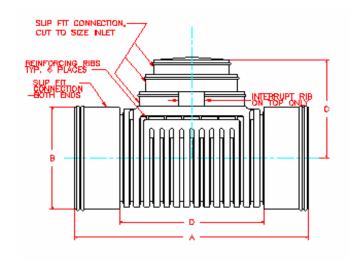
DRAWING #:	1030	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

MULTIPLE TEE

PART #	PIPE SIZE	А	В	С	D
0644AA	6 in (150 mm)	16.0 in (406 mm)	7.4 in (187 mm)	8.9 in (226 mm)	10.0 in (254 mm)
			, - /		
0844AA	8 in	18.8 in	9.9 in	10.5 in	13.0 in
	(200 mm)	(476 mm)	(251 mm)	(6 mm)	(330 mm)
1044AA	10 in	21.0 in	12.3 in	11.8 in	15.0 in
1044///	(250 mm)	(533 mm)	(311 mm)	(298 mm)	(381 mm)
1244AA	12 in	27.4 in	15.3 in	14.3 in	20.5 in
1244AA	(300 mm)	(695 mm)	(387 mm)	(362 mm)	(521 mm)



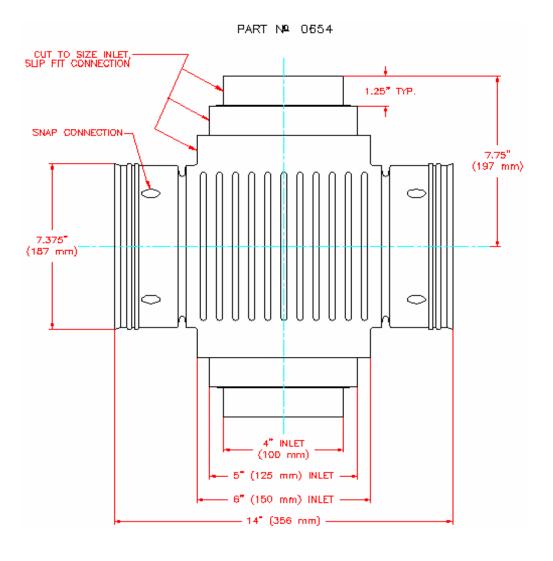
PART #	PIPE SIZE	Α	В	С	D
1247AA	12 in	26.1 in	14.7 in	15.0 in	20.3 in
124177	(300 mm)	(664 mm)	(373 mm)	(381 mm)	(514 mm)
154711	15 in	29.6 in	18.0 in	18.4 in	22.3 in
1547AA	15 in (375 mm)	29.6 in (753 mm)	18.0 in (457 mm)	18.4 in (467 mm)	22.3 in (565 mm)
1547AA 1847AA					_



ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1035	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07
<u> </u>		

MULTIPLE CROSS TEE

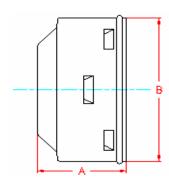


ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1040	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

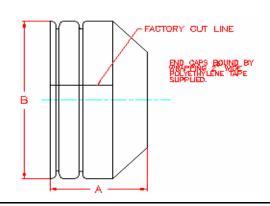
SNAP END CAP

PART#	PIPE SIZE	А	В
0332AA	3 in (75 mm)	1.9 in (48 mm)	4.0 in (102 mm)
0432AA	4 in	2.8 in	5.1 in
0402777	(100 mm)	(70 mm)	(130 mm)
0832AA	8 in	4.3 in	9.9 in
0032AA	(200 mm)	(108 mm)	(251 mm)
1032AA	10 in	5.0 in	12.5 in
1032AA	(250 mm)	(127 mm)	(318 mm)



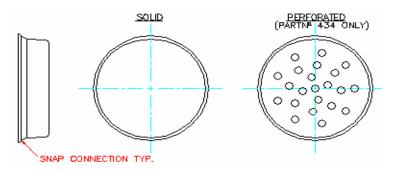
SPLIT END CAP

PART#	PIPE SIZE	А	В
0331AA	3 in	3.3 in	4.0 in
	(75 mm)	(83 mm)	(102 mm)
0431AA	4 in (100 mm)	2.8 in (70 mm)	5.1 in (130 mm)
0531AA	5 in	4.3 in	6.3 in
	(125 mm)	(108 mm)	(159 mm)
0631AA	6 in	3.3 in	7.4 in
	(150 mm)	(83 mm)	(187 mm)



INTERNAL END PLUG

PART#	PIPE SIZE	TYPE
0333AA	3 in (75 mm)	SOLID
0433AA	4 in (100 mm)	SOLID
0533AA	5 in (125 mm)	SOLID
0633AA	6 in (150 mm)	SOLID
0434AA	4 in (100 mm)	PERFORATED

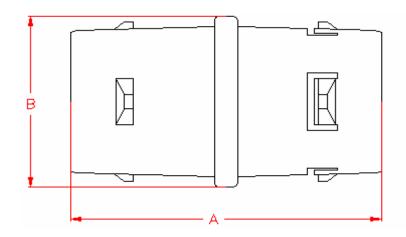


ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1045	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

INTERNAL SNAP PLUG

PART #	PIPE SIZE	Α	В
0332AAIN	3 in	6.0 in	3.5 in
	(75 mm)	(152 mm)	(89 mm)

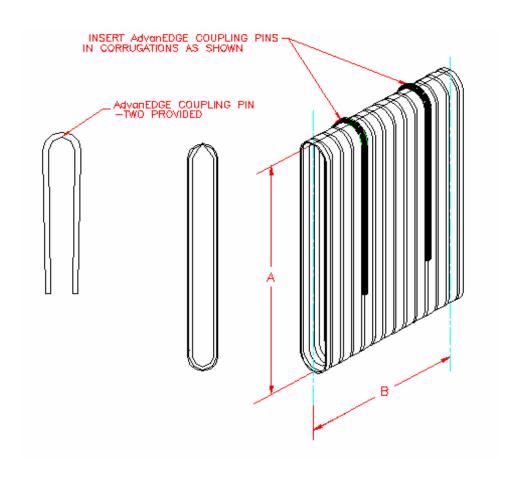




DRAWING #:	1046	
DRAWN BY:	CRM	09.11.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

${\sf AdvanEDGE_{\sf TM}} \ {\sf EXTERNAL} \ {\sf SPLIT} \ {\sf COUPLERS}$

PART #	PIPE SIZE	А	В
1411AA	12 in	12.9 in	8.5 in
	(300 mm)	(327 mm)	(216 mm)
1611AA	18 in	18.1 in	8.5 in
	(300 mm)	(461 mm)	(216 mm)



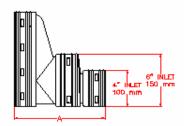


DRAWING #:	1100	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{END}\,\mathsf{OUTLETS}$

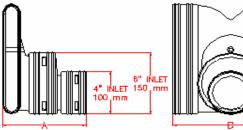
PART #	PIPE SIZE	А
1472AA	12 in (300 mm)	12.3 in (311 mm)
1672AA	18 in (300 mm)	13.3 in (337 mm)

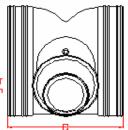




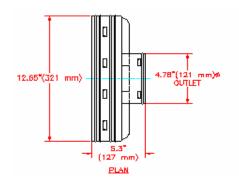
AdvanEDGE_{TM} SIDE OUTLETS

PART#	PIPE SIZE	А	В
1471AA	12 in (300 mm)	9.4 in (238 mm)	12.4 in (314 mm)
1671AA	18 in (300 mm)	9.4 in (238 mm)	12.5 in (318 mm)





12" FLAT AdvanEDGE $_{\rm TM}$ OUTLET (PART # 1432AN)





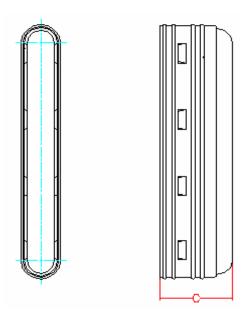




DRAWING #:	1105	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{SNAP}\,\mathsf{END}\,\mathsf{CAP}$

PART #	PIPE SIZE	С
1432AA	12 in (300 mm)	3.5 in (89 mm)
1632AA	18 in (300 mm)	4.0 in (102 mm)

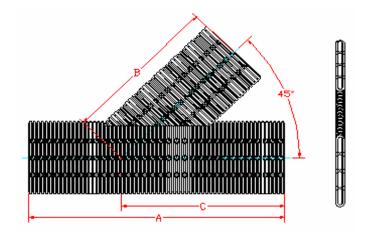




DRAWING #:	1110	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

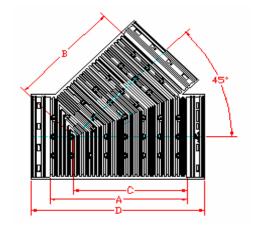
$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{FABRICATED}\,\mathsf{WYE}$

PART #	PIPE SIZE	Α	В	С
1480ANH	12 in	31.5 in	23.2 in	20.6 in
	(300 mm)	(800 mm)	(588 mm)	(522 mm)
1680ANH	18 in	42.5 in	30.4 in	30.6 in
	(300 mm)	(1080 mm)	(771 mm)	(776 mm)



$\mathsf{AdvanEDGE}_{\mathsf{TM}}\ \mathsf{WYE}$

PART #	PIPE SIZE	А	В	С	D
1480AA	12 in	21.0 in	16.8 in	16.8 in	26.0 in
	(300 mm)	(534 mm)	(427 mm)	(427 mm)	(661 mm)

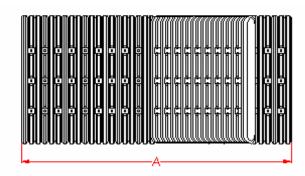


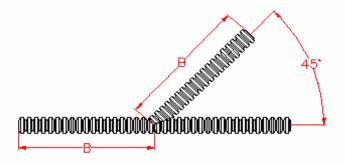


DRAWING #:	1115	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{FABRICATED}\,\,\mathsf{WYES}$

PART #	PIPE SIZE	А	В
1480AN	12 in	26.0 in	13.0 in
	(300 mm)	(660 mm)	(330 mm)
1680AN	18 in	26.0 in	13.0 in
	(300 mm)	(660 mm)	(330 mm)



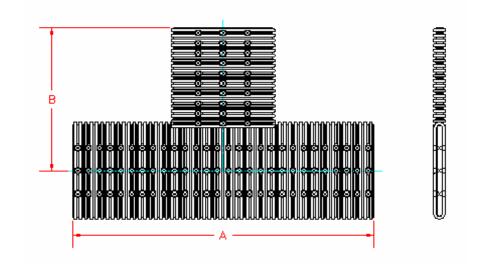




DRAWING #:	1115A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

${\sf AdvanEDGE_{\sf TM}\,FABRICATED\,TEES}$

PART #	PIPE SIZE	А	В
1460ANH	12 in (300 mm)	28.9 in (733 mm)	14.4 in (367 mm)
1660ANH	18 in (300 mm)	34.1 in (866 mm)	17.1 in (433 mm)

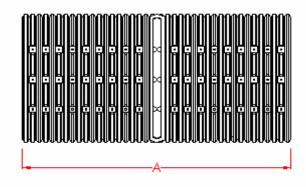


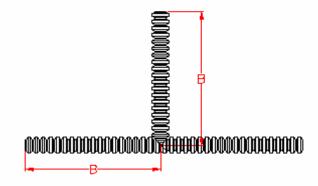


DRAWING #:	1120	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

${\sf AdvanEDGE_{\sf TM}\,FABRICATED\,TEES}$

PART #	PIPE SIZE	А	В
1460AN	12 in	26.0 in	13.0 in
	(300 mm)	(660 mm)	(330 mm)
1660AN	18 in	26.0 in	13.0 in
	(300 mm)	(660 mm)	(330 mm)



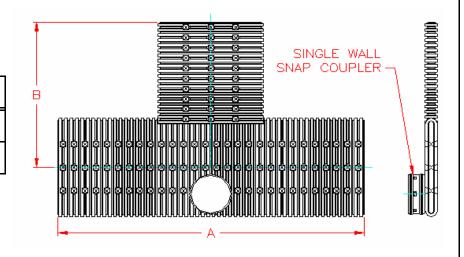




DRAWING #:	1120A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

${\sf AdvanEDGE_{\sf TM}} \, {\sf FABRICATED} \, \, {\sf TEE} \, \, {\sf WITH} \, \, {\sf SIDE} \, \, {\sf OUTLET}$

PART #	PIPE SIZE	COUPLER	А	В
1464ANH	12 in	4 in	28.9 in	14.4 in
	(300 mm)	(300 mm)	(733 mm)	(367 mm)
1464ANH81	12 in	4 in	28.9 in	14.4 in
PERF	(300 mm)	(300 mm)	(733 mm)	(367 mm)

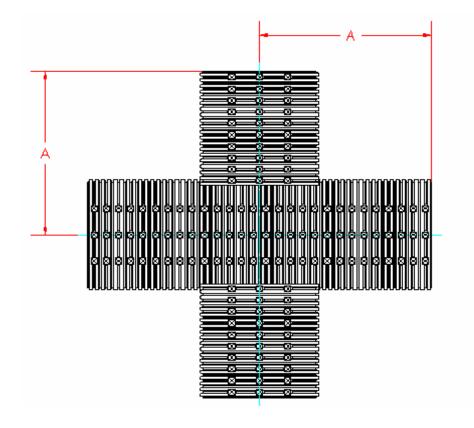




DRAWING #:	1125	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

AdvanEDGE_{TM} FABRICATED CROSS TEE

PART#	PIPE SIZE	Α
1436ANH	12 in (300 mm)	14.4 in (367 mm)



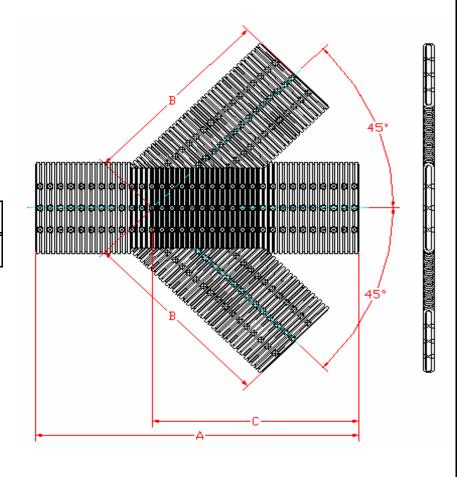
ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	1130	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

CONTROLOGO CONTROLOGO

${\sf AdvanEDGE_{\sf TM}} \, {\sf FABRICATED} \, \, {\sf CROSS} \, \, {\sf WYE}$

PART #	PIPE SIZE	А	В	С
1438ANH	12 in (300 mm)	31.5 in (800 mm)	23.2 in (588 mm)	20.6 in (522 mm)
	(500 11111)	(000 111111)	(300 11111)	(322 111111)

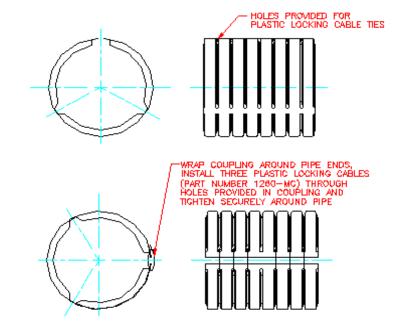




DRAWING #:	1135	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.12.07

DOUBLE WIDE ST COUPLER 10" - 36" DIAMETER

PART #	PIPE SIZE
1069AA	10.8 in (273 mm)
1269AA	15.8 in (400 mm)
1569AA	21.0 in (533 mm)
1869AA	23.6 in (600 mm)
2469AA	25.5 in (648 mm)
3069AA	33.0 in (838 mm)
3669AC	42.0 in (1067 mm)





DRAWING #:	2000	
DRAWN BY:	JCB	09.05.06
APPROVED BY:		
REVISIONS:	TJR	4/15/2009

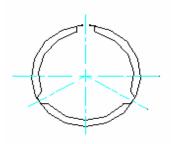
"A" PROFILE ST SPLIT COUPLER 10" - 60" DIAMETER

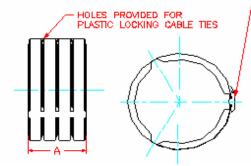
PART#	PIPE SIZE	А
404444	10 in	5.0 in
1011AA	(250 mm)	(128 mm)
404444*	12 in	7.7 in
1211AA*	(300 mm)	(195 mm)
1265AA	12 in	7.7 in
1266AA	(300 mm)	(196 mm)
1565AA	15 in	10.4 in
1566AA	(375 mm)	(263 mm)
1865AA	18 in	10.7 in
1866AA	(450 mm)	(272 mm)
2465AA	24 in	12.6 in
2466AA	(600 mm)	(320 mm)
3065AA	30 in	16.5 in
3066AA	(750 mm)	(419 mm)
3661AA	36 in	21.0 in
3662AA	(900 mm)	(533 mm)
4265AA**	42 in	20.8 in
4266AA**	(1050 mm)	(527 mm)
4865AA**	48 in	21.0 in
4866AA**	(1200 mm)	(533 mm)
6065AA**	60 in	24.0 in
6066AA**	(1500 mm)	(610 mm)

NOTES:

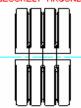
PARTS ENDING WITH "65" OR "61" DO NOT HAVE A GASKET. PARTS ENDING WITH "66" OR "62" ARE THE PREMIUM COUPLING SUPPLIED WITH A GASKET.

- * PART 1211-11 FOR TWO STAGE SINGLE WALL PIPE ONLY
- ** REPRESENTS A TWO-PIECE COUPING SUPPLIED WITH SIX CABLES





→ WRAP COUPLING AROUND PIPE ENDS, INSTALL THREE PLASTIC LOCKING CABLES (PART NUMBER 1260-MC) THROUGH HOLES PRIMIDED IN COUPLING AND TIGHTEN SECURELY AROUND PIPE **





DRAWING #:	2000A	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

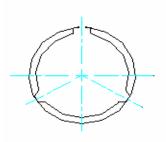
"H" PROFILE ST SPLIT COUPLER 10" - 60" DIAMETER

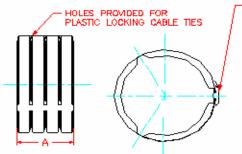
PART#	PIPE SIZE	А
1011AA	10 in (250 mm)	5.0 in (128 mm)
1211AA*	12 in (300 mm)	7.7 in (195 mm)
1265AA	12 in	7.7 in
1266AA	(300 mm)	(196 mm)
1565AA	15 in	10.4 in
1566AA	(375 mm)	(263 mm)
1865AA	18 in	10.7 in
1866AA	(450 mm)	(272 mm)
2465AA	24 in	12.6 in
2466AA	(600 mm)	(320 mm)
3065AA	30 in	16.5 in
3066AA	(750 mm)	(419 mm)
FCCPB360000	36 in	19.1 in
1 CC1 B300000	(900 mm)	(485 mm)
N/A	42 in	23.9 in
19/73	(1050 mm)	(607 mm)
FCCPB480000	48 in	23.9 in
1 CC1 D400000	(1200 mm)	(608 mm)
N/A	60 in	32.0 in
IN/A	(1500 mm)	(813 mm)

NOTE:

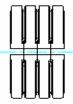
TOP #: COUPLER ONLY

BOTTOM #: COUPLER WITH GASKET





-WRAP COUPLING AROUND PIPE ENDS, INSTALL THREE PLASTIC LOCKING CABLES (PART NUMBER 1260-MC) THROUGH HOLES PREMIDED IN COUPLING AND TIGHTEN SECURELY AROUND PIPE **



DRAWING #:	2000B	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07
_		

SPLIT COUPLER REFERENCE CHART 36" - 60" DIAMETER

PART#	PIPE SIZE	PROFLE CONNECTION
3661AA		A - A
FCCPB360000	36 in	H - H
FCCPB360000		A - H
4265AA		A - A
MAR-MAC	42 in	H - H
MAR-MAC		A - H
4865AA		A - A
FCCPB480000	48 in	H - H
4865ANAH		A - H
6065AA		A - A
MAR-MAC	60 in	H - H
MAR-MAC		A - H

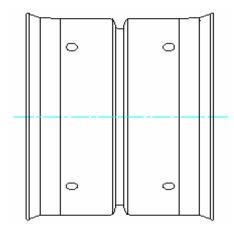
^{*} WRAP WITH GEOTEXTILE FOR PROPER CONNECTION



DRAWING #:	2000C	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

EXTERNAL SNAP COUPLING 4" - 24" DIAMETER

PART#	PIPE SIZE		
0413AA	4 in (100 mm)		
0613AA	6 in (150 mm)		
0813AA	8 in (200 mm)		
1013AA	10 in (250 mm)		
1214AA	12 in (300 mm)		
1514AA	15 in (375 mm)		
1814AA	18 in (450 mm)		
2414AA	24 in (600 mm)		

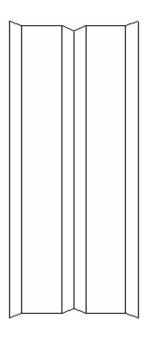




DRAWING #:	2005	
DRAWN BY:	JCB	09.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

BELL-BELL COUPLERS 12" - 60" DIAMETER

PART#	PIPE SIZE	JOINT
1215AA	12 in (300 mm)	ST/WT
1515AA	15 in (375 mm)	ST/WT
1815AA	18 in (450 mm)	ST/WT
2415AA	24 in (600 mm)	ST/WT
3013AN65	30 in (750 mm)	ST/WT
3613AN65	36 in (900 mm)	ST/WT
4213AN85	42 in (1050 mm)	ST
4213AN65	42 in (1050 mm)	WT
4813AN85	48 in (1200 mm)	ST
4813AN65	48 in (1200 mm)	WT
6013AN85	60 in (1500 mm)	ST
6013AN65	60 in (1500 mm)	WT



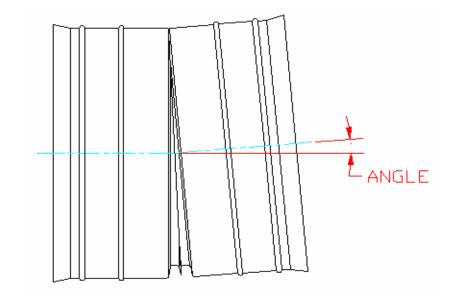
* INCLUDES 2 GASKETS



DRAWING #:	2030	
DRAWN BY:	JCB	10.30.06
APPROVED BY:	JCB	06.27.07
REVISIONS:	NJP	06.13.07

WT MITERED BELL-BELL COUPLERS 12" - 60" DIAMETER

PART#	PIPE SIZE	ANGLE
1213ANMC03	12 in (300 mm)	3 DEG.
1213ANMC05	12 in (300 mm)	5 DEG.
1513ANMC03	15 in (375 mm)	3 DEG.
1513ANMC05	15 in (375 mm)	5 DEG.
1813ANMC03	18 in (450 mm)	3 DEG.
1813ANMC05	18 in (450 mm)	5 DEG.
2413ANMC03	24 in (600 mm)	3 DEG.
2413ANMC05	24 in (600 mm)	5 DEG.
3013ANMC03	30 in (750 mm)	3 DEG.
3013ANMC05	30 in (750 mm)	5 DEG.
3613ANMC03	36 in (900 mm)	3 DEG.
3613ANMC05	36 in (900 mm)	5 DEG.
4213ANMC03	42 in (1050 mm)	3 DEG.
4213ANMC05	42 in (1050 mm)	5 DEG.
4813ANMC03	48 in (1200 mm)	3 DEG.
4813ANMC05	48 in (1200 mm)	5 DEG.
6013ANMC03	60 in (1500 mm)	3 DEG.
6013ANMC05	60 in (1500 mm)	5 DEG.

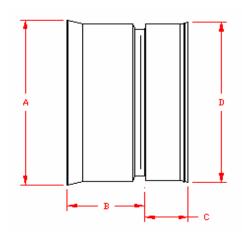


ADVANCED DRAINAGE SYSTEMS, INC.	

DRAWING #:	2035	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

ADS-HANCOR BELL-BELL COUPLERS 36" - 60" DIAMETER

PART #	PIPE SIZE	А	В	С	D	JOINT
3613AN00AH	36 in	45.1 in	15.3 in	11.3 in	45.1 in	ST/WT
	(900 mm)	(1146 mm)	(389 mm)	(287 mm)	(1145 mm)	
4213AN85AH	42 in	51.4 in	15.3 in	11.0 in	51.4 in	ST
42 I SANOSAI I	(1050 mm)	(1306 mm)	(389 mm)	(279 mm)	(1306 mm)	31
4213AN65AH	42 in	51.4 in	15.3 in	11.0 in	51.4 in	WT
42 I SAINOSAI I	(1050 mm)	(1306 mm)	(389 mm)	(279 mm)	(1306 mm)	VV 1
48134N854H	48 in	57.5 in	15.7 in	11.4 in	57.5 in	ST
4813AN85AH	48 in (1200 mm)	57.5 in (1461 mm)	15.7 in (398 mm)	11.4 in (289 mm)	57.5 in (1461 mm)	ST
4813AN85AH 4813AN65AH	(1200 mm)	(1461 mm)	(398 mm)	(289 mm)	(1461 mm)	ST WT
4813AN65AH	(1200 mm) 48 in	(1461 mm) 57.5 in	(398 mm) 15.7 in	(289 mm) 11.4 in	(1461 mm) 57.5 in	WT
	(1200 mm) 48 in (1200 mm)	(1461 mm) 57.5 in (1461 mm)	(398 mm) 15.7 in (398 mm)	(289 mm) 11.4 in (289 mm)	(1461 mm) 57.5 in (1461 mm)	
4813AN65AH	(1200 mm) 48 in (1200 mm) 60 in	(1461 mm) 57.5 in (1461 mm) 70.1 in	(398 mm) 15.7 in (398 mm) 19.4 in	(289 mm) 11.4 in (289 mm) 11.4 in	(1461 mm) 57.5 in (1461 mm) 70.1 in	WT



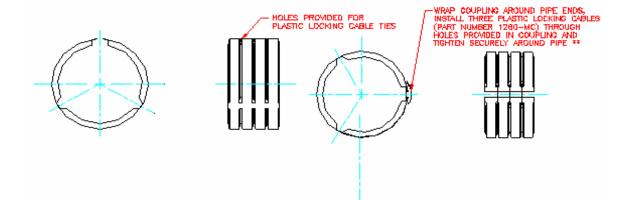
ST & WT (INCLUDES CORRESPONDING GASKETS)



DRAWING #:	2040	
DRAWN BY:	NJP	07.21.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

ADS-HANCOR HYBRID SPLIT COUPLER 48" DIAMETER

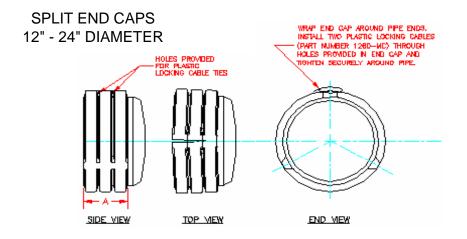
PART#	PIPE SIZE	
4865ANAH	48 in (1200 mm)	





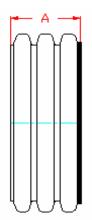
DRAWING #:	2045	
DRAWN BY:	NJP	07.21.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

PART#	PIPE SIZE	А
1267AA	12 in (300 mm)	5.8 in (146 mm)
1567AA	15 in (375 mm)	7.8 in (197 mm)
1867AA	18 in (450 mm)	8.0 in (204 mm)
2467AA	24 in (600 mm)	9.5 in (240 mm)



END CAPS 12" - 60" DIAMETER

PART#	PIPE SIZE	А
1201AN	12 in (300 mm)	11.5 in (293 mm)
1501AN	15 in (375 mm)	13.0 in (329 mm)
1801AN	18 in (450 mm)	13.4 in (340 mm)
2401AN	24 in (600 mm)	12.6 in (320 mm)
3001AN	30 in (750 mm)	12.4 in (314 mm)
3601AN	36 in (900 mm)	15.5 in (394 mm)
4201AN	42 in (1050 mm)	15.6 in (395 mm)
4801AN	48 in (1200 mm)	15.8 in (400 mm)
6001AN	60 in (1500 mm)	18.0 in (457 mm)

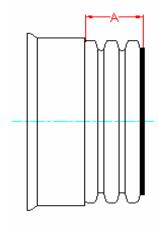




DRAWING #:	2100	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

WT END CAPS 12" - 60" DIAMETER

PART#	PIPE SIZE	А
1201AN65B	12 in (300 mm)	11.5 in (5 mm)
1501AN65B	15 in (375 mm)	13.0 in (329 mm)
1801AN65B	18 in (450 mm)	13.4 in (340 mm)
2401AN65B	24 in (600 mm)	12.6 in (320 mm)
3001AN65B	30 in (750 mm)	12.4 in (314 mm)
3601AN65B	36 in (900 mm)	15.5 in (394 mm)
4201AN65B	42 in (1050 mm)	15.6 in (395 mm)
4801AN65B	48 in (1200 mm)	15.8 in (400 mm)
6001AN65B	60 in (1500 mm)	18.0 in (457 mm)



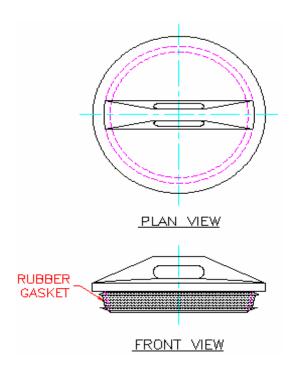
GASKET INCLUDED



DRAWING #:	2105	
DRAWN BY:	NJP	07.30.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

END PLUGS 4" - 60" DIAMETER

PIPE SIZE		
4 in (100 mm)		
6 in (150 mm)		
8 in (200 mm)		
10 in (250 mm)		
12 in (300 mm)		
15 in (375 mm)		
18 in (450 mm)		
24 in (600 mm)		
30 in (750 mm)		
36 in (900 mm)		
42 in (1050 mm)		
48 in (1200 mm)		
60 in (1500 mm)		

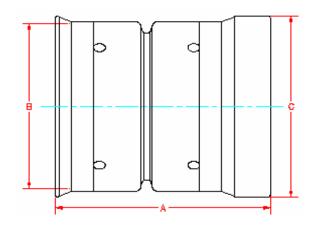




DRAWING #:	2110	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

DUAL WALL SNAP END CAP 6" - 10" DIAMETER

PART #	PIPE SIZE	А	В	С
0667AA	6 in	8.6 in	7.0 in	7.6 in
	(150 mm)	(218 mm)	(177 mm)	(194 mm)
0867AA	8 in	9.6 in	9.2 in	10.1 in
	(200 mm)	(245 mm)	(233 mm)	(257 mm)
1067AA	10 in	10.8 in	11.6 in	12.1 in
	(250 mm)	(273 mm)	(294 mm)	(308 mm)



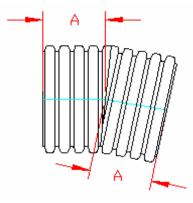


DRAWING #:	2115	
DRAWN BY:	JCB	09.05.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.13.07

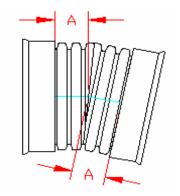
DUAL WALL FABRICATED 11.25° BENDS 12" - 30" DIAMETER

PART#	PIPE SIZE	А	JOINT
1291AN	12 in (300 mm)	7.9 in (202 mm)	*
1291AN85B	12 in (300 mm)	4.3 in (108 mm)	ST
1291AN65B	12 in (300 mm)	4.3 in (108 mm)	WT
1591AN	15 in (375 mm)	11.0 in (280 mm)	*
1591AN85B	15 in (375 mm)	6.0 in (152 mm)	ST
1591AN65B	15 in (375 mm)	6.0 in (152 mm)	WT
1891AN	18 in (450 mm)	10.9 in (276 mm)	*
1891AN85B	18 in (450 mm)	5.8 in (148 mm)	ST
1891AN65B	18 in (450 mm)	5.8 in (148 mm)	WT
2491AN	24 in (600 mm)	14.2 in (360 mm)	*
2491AN85B	24 in (600 mm)	7.9 in (202 mm)	ST
2491AN65B	24 in (600 mm)	7.9 in (202 mm)	WT
3091AN	30 in (750 mm)	17.9 in (454 mm)	*
3091AN85B	30 in (750 mm)	9.7 in (245 mm)	ST
3091AN65B	30 in (750 mm)	9.7 in (245 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

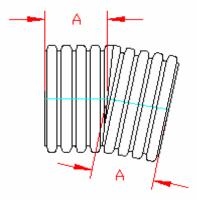


DRAWING #:	2200	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

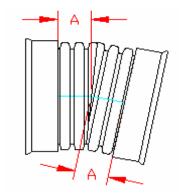
DUAL WALL FABRICATED 11.25° BENDS 36" - 60" DIAMETER

PART#	PIPE SIZE	А	JOINT
3691AN	36 in	22.3 in	*
309 IAN	(900 mm)	(567 mm)	
3691AN85B	36 in	12.0 in	ST
000171110015	(900 mm)	(306 mm)	
3691AN65B	36 in	12.0 in	WT
	(900 mm)	(306 mm)	
4291AN	42 in	17.6 in	*
12017111	(1050 mm)	(448 mm)	
4291AN85B	42 in	12.4 in	ST
12017111002	(1050 mm)	(316 mm)	
4291AN65B	42 in	12.4 in	WT
120 17 11 1003	(1050 mm)	(316 mm)	•••
4891AN	48 in	18.1 in	*
4031711	(1200 mm)	(461 mm)	
4891AN85B	48 in	12.9 in	ST
400 17 (1 1 00B	(1200 mm)	(328 mm)	
4891AN65B	48 in	12.9 in	WT
100 17 11 100 2	(1200 mm)	(328 mm)	•••
6091AN	60 in	21.1 in	*
00917414	(1500 mm)	(536 mm)	
6091AN85B	60 in	15.1 in	ST
000 17 (1 1 00B	(1500 mm)	(383 mm)	
6091AN65B	60 in	15.1 in	WT
300 17 II 100B	(1500 mm)	(383 mm)	** '

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

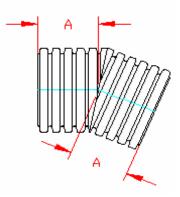


DRAWING #:	2200A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

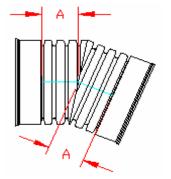
DUAL WALL FABRICATED 22.5° BENDS 12" - 30" DIAMETER

PART #	PIPE SIZE	А	JOINT
1292AN	12 in (300 mm)	9.6 in (244 mm)	*
1292AN85B	12 in (300 mm)	5.8 in (146 mm)	ST
1292AN65B	12 in (300 mm)	5.8 in (146 mm)	WT
1592AN	15 in (375 mm)	13.1 in (334 mm)	*
1592AN85B	15 in (375 mm)	5.4 in (137 mm)	ST
1592AN65B	15 in (375 mm)	5.4 in (137 mm)	WT
1892AN	18 in (450 mm)	14.3 in (363 mm)	*
1892AN85B	18 in (450 mm)	6.9 in (174 mm)	ST
1892AN65B	18 in (450 mm)	6.9 in (174 mm)	WT
2492AN	24 in (600 mm)	18.9 in (480 mm)	*
2492AN85B	24 in (600 mm)	9.5 in (240 mm)	ST
2492AN65B	24 in (600 mm)	9.5 in (240 mm)	WT
3092AN	30 in (750 mm)	17.9 in (455 mm)	*
3092AN85B	30 in (750 mm)	9.7 in (245 mm)	ST
3092AN65B	30 in (750 mm)	9.7 in (245 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

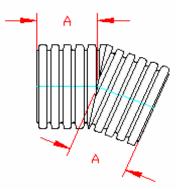


DRAWING #:	2205	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07
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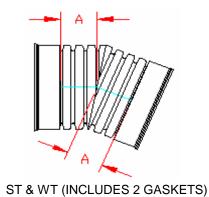
DUAL WALL FABRICATED 22.5° BENDS 36" - 60" DIAMETER

PART # PIPE SIZE A JOINT 3692AN 36 in (900 mm) 21.5 in (546 mm) * 3692AN85B 36 in (900 mm) 11.2 in (285 mm) ST 3692AN65B 36 in (900 mm) 11.2 in (285 mm) WT 4292AN 42 in (1050 mm) 24.9 in (632 mm) * 4292AN85B 42 in (1050 mm) 369 mm) ST 4292AN65B 42 in (1050 mm) 369 mm) WT 4892AN65B 48 in (1050 mm) 33.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 353 mm) ST 4892AN85B 48 in (13.9 in (1200 mm) ST 4892AN65B 60 in (1500 mm) 33.2 in (844 mm) * 6092AN 60 in (1500 mm) 60 in (387 mm) ST 6092AN85B 60 in (1500 mm) 387 mm) ST 6092AN65B 60 in (1500 mm) 387 mm) WT				
3692AN (900 mm) (546 mm) 3692AN85B 36 in (900 mm) 11.2 in (285 mm) ST 3692AN65B 36 in (900 mm) 11.2 in (285 mm) WT 4292AN 42 in (1050 mm) 24.9 in (632 mm) * 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) ST 4292AN65B 42 in (1050 mm) (369 mm) WT 4892AN 48 in (1200 mm) (369 mm) ST 4892AN 48 in (1200 mm) (353 mm) ST 4892AN85B 48 in (13.9 in (1200 mm) ST 4892AN65B 48 in (13.9 in (1200 mm) WT 6092AN 60 in (1500 mm) (844 mm) 6092AN85B 60 in (1500 mm) (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	PART#	PIPE SIZE	А	JOINT
3692AN85B 36 in (900 mm) (285 mm) ST 3692AN65B 36 in (900 mm) (285 mm) WT 3692AN65B 36 in (900 mm) (285 mm) WT 4292AN 42 in (1050 mm) (632 mm) * 4292AN85B 42 in (1050 mm) (369 mm) ST 4292AN65B 42 in (1050 mm) (369 mm) WT 4892AN 48 in (1200 mm) (605 mm) * 4892AN85B 48 in (13.9 in (1200 mm) (353 mm) ST 4892AN65B 48 in (13.9 in (1200 mm) (353 mm) WT 6092AN 60 in (1500 mm) (844 mm) * 6092AN85B 60 in (1500 mm) (387 mm) ST 6092AN65B 60 in (1500 mm) (387 mm) ST	3692AN			*
3692AN85B (900 mm) (285 mm) ST 3692AN65B 36 in (900 mm) 11.2 in (285 mm) WT 4292AN 42 in (1050 mm) 24.9 in (632 mm) * 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) WT 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN65B 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (13.9 in (1200 mm) ST 4892AN65B 48 in (13.9 in (1200 mm) WT 6092AN 60 in (1500 mm) (844 mm) 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) 6092AN65B 60 in (1500 mm) 15.2 in (387 mm)	00027111	(900 mm)	(546 mm)	
3692AN65B (900 mm) (285 mm) 4292AN 42 in (1050 mm) 24.9 in (632 mm) 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) 4292AN65B 42 in (1050 mm) 369 mm) 4892AN 48 in (1200 mm) 23.8 in (605 mm) 4892AN85B 48 in (13.9 in (1200 mm) 353 mm) 4892AN65B 48 in (13.9 in (1200 mm) 353 mm) 4892AN65B 48 in (1500 mm) 33.2 in (353 mm) 6092AN 60 in (1500 mm) 33.2 in (844 mm) 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) 6092AN65B 60 in (1500 mm) 15.2 in (387 mm)	2602 V N 0 E D	36 in	11.2 in	СТ
3692AN65B (900 mm) (285 mm) WT 4292AN 42 in (1050 mm) 24.9 in (632 mm) * 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) ST 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN 48 in (1050 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (13.9 in (1200 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	SOSZANOSD	(900 mm)	(285 mm)	31
(900 mm) (285 mm) 4292AN 42 in (1050 mm) 24.9 in (632 mm) 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) ST 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN 48 in (1050 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 353 mm) ST 4892AN65B 48 in (13.9 in (353 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	2602AN65B	36 in	11.2 in	\//T
4292AN (1050 mm) (632 mm) 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) ST 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) (353 mm) WT 6092AN 60 in (1500 mm) (844 mm) * 6092AN85B 60 in (1500 mm) (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	SOSZANOSD	(900 mm)	(285 mm)	VVI
4292AN (1050 mm) (632 mm) 4292AN85B 42 in (1050 mm) 14.5 in (369 mm) ST 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) (353 mm) WT 6092AN 60 in (1500 mm) (844 mm) * 6092AN85B 60 in (1500 mm) (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	4000 A N	42 in	24.9 in	*
4292AN85B (1050 mm) (369 mm) ST 4292AN65B 42 in (1050 mm) 14.5 in (369 mm) WT 4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1500 mm) (353 mm) T 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	4292AN	(1050 mm)	(632 mm)	
4292AN65B 42 in (1050 mm) (369 mm) WT 4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1200 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) ST	4202 A NIOED	42 in	14.5 in	СТ
4292AN65B (1050 mm) (369 mm) WT 4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1500 mm) 60 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) WT	4292AN00D	(1050 mm)	(369 mm)	31
4892AN 48 in (1200 mm) 23.8 in (605 mm) * 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (15.2 in (1500 mm) ST	42024 N65B	42 in	14.5 in	\/\T
4892AN (1200 mm) (605 mm) 4892AN85B 48 in (1200 mm) 13.9 in (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (15.2 i	4292AN00D	(1050 mm)	(369 mm)	VVI
4892AN85B 48 in (1200 mm) (353 mm) ST 4892AN65B 48 in (1200 mm) 13.9 in (353 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (15.2 in (1500 mm) WT	4902AN	48 in	23.8 in	*
4892AN85B (1200 mm) (353 mm) ST 4892AN65B 48 in (1200 mm) (353 mm) WT 6092AN 60 in (1500 mm) (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (15.2 in (1500 mm) WT	409ZAN	(1200 mm)	(605 mm)	
4892AN65B 48 in (1200 mm) (353 mm) 4892AN65B 48 in (1200 mm) (353 mm) WT 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (15.2 in	48024N85B	48 in	13.9 in	QТ
4892AN65B (1200 mm) (353 mm) W1 6092AN 60 in (1500 mm) 33.2 in (844 mm) * 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) ST 6092AN65B 60 in (1500 mm) 15.2 in (387 mm) WT	4092AN03D	(1200 mm)	(353 mm)	51
(1200 mm) (353 mm) 6092AN 60 in (1500 mm) (844 mm) 6092AN85B 60 in (1500 mm) 15.2 in (387 mm) 6092AN65B 60 in (15.2 in (1500 mm)) ST	48024N65B	48 in	13.9 in	\//T
6092AN (1500 mm) (844 mm) 6092AN85B 60 in 15.2 in (1500 mm) (387 mm) 6092AN65B 60 in 15.2 in WT	4032AN03B	(1200 mm)	(353 mm)	VVI
(1500 mm) (844 mm) 6092AN85B 60 in 15.2 in (387 mm) 6092AN65B 60 in 15.2 in WT	6002AN	60 in	33.2 in	*
6092AN85B (1500 mm) (387 mm) ST 6092AN65B 60 in 15.2 in WT	0092AN	(1500 mm)	(844 mm)	
(1500 mm) (387 mm) 60 in 15.2 in WT	60924N85R	60 in	15.2 in	ST
1 60924N65B 1	OUSZANOSD	(1500 mm)	(387 mm)	01
(1500 mm) (387 mm)	60924N65R	• • • • • • • • • • • • • • • • • • • •	15.2 in	WT
	0002A1100D	(1500 mm)	(387 mm)	V V I

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



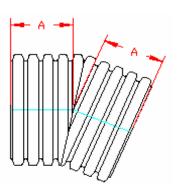


DRAWING #:	2205A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

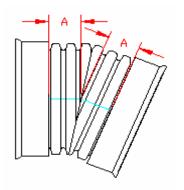
DUAL WALL FABRICATED 30° BENDS 12" - 30" DIAMETER

PART#	PIPE SIZE	А	JOINT
1295AN	12 in (300 mm)	9.7 in (245 mm)	*
1295AN85B	12 in (300 mm)	5.8 in (146 mm)	ST
1295AN65B	12 in (300 mm)	5.8 in (146 mm)	WT
1595AN	15 in (375 mm)	12.4 in (315 mm)	*
1595AN85B	15 in (375 mm)	7.8 in (197 mm)	ST
1595AN65B	15 in (375 mm)	7.8 in (197 mm)	WT
1895AN	18 in (450 mm)	12.4 in (316 mm)	*
1895AN85B	18 in (450 mm)	6.7 in (170 mm)	ST
1895AN65B	18 in (450 mm)	6.7 in (170 mm)	WT
2495AN	24 in (600 mm)	15.9 in (404 mm)	*
2495AN85B	24 in (600 mm)	9.5 in (240 mm)	ST
2495AN65B	24 in (600 mm)	9.5 in (240 mm)	WT
3095AN	30 in (750 mm)	20.6 in (523 mm)	*
3095AN85B	30 in (750 mm)	13.5 in (342 mm)	ST
3095AN65B	30 in (750 mm)	13.5 in (342 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

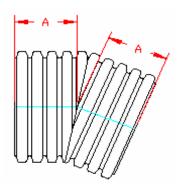


DRAWING #:	2210	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07
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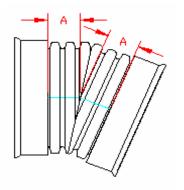
DUAL WALL FABRICATED 30° BENDS 36" - 60" DIAMETER

PART # PIPE SIZE A JOINT 3695AN 36 in (900 mm) (658 mm) * 3695AN85B 36 in (900 mm) (392 mm) ST 3695AN65B 36 in (900 mm) (392 mm) WT 4295AN65B 42 in (1050 mm) (567 mm) * 4295AN85B 42 in (1050 mm) (435 mm) ST 4295AN65B 42 in (1050 mm) (435 mm) WT 4895AN65B 48 in (1200 mm) (576 mm) * 4895AN 48 in (1200 mm) (576 mm) ST 4895AN85B 48 in (17.4 in (576 mm) ST 4895AN85B 48 in (17.4 in (442 mm)) ST 4895AN65B 60 in (1200 mm) (442 mm) WT 6095AN 60 in (1500 mm) (661 mm) ST 6095AN85B 60 in (1500 mm) (508 mm) ST 6095AN65B 60 in (1500 mm) (508 mm) WT				
3695AN (900 mm) (658 mm) 3695AN85B 36 in (900 mm) (392 mm) ST 3695AN65B 36 in (900 mm) 15.4 in (392 mm) WT 4295AN 42 in (1050 mm) 22.3 in (567 mm) * 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN 48 in (1050 mm) 435 mm) T 4895AN85B 48 in (17.4 in (1200 mm) 576 mm) ST 4895AN65B 48 in (17.4 in (1200 mm) 442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	PART#	PIPE SIZE	А	JOINT
3695AN85B 36 in (900 mm) (392 mm) ST 3695AN65B 36 in (900 mm) (392 mm) WT 3695AN65B 36 in (900 mm) (392 mm) WT 4295AN 42 in (1050 mm) (567 mm) 22.3 in (567 mm) 4295AN85B 42 in (1050 mm) (435 mm) ST 4295AN65B 42 in (1050 mm) (435 mm) WT 4895AN 48 in (17.1 in (1050 mm)) (435 mm) WT 4895AN85B 48 in (17.4 in (1200 mm)) (442 mm) ST 4895AN85B 48 in (17.4 in (1200 mm)) (442 mm) WT 6095AN 60 in (1500 mm) (661 mm) \$T 6095AN85B 60 in (1500 mm) (508 mm) \$T 6095AN85B 60 in (1500 mm) (508 mm) \$T	3695AN			*
3695AN85B (900 mm) (392 mm) ST 3695AN65B 36 in (900 mm) 15.4 in (392 mm) WT 4295AN 42 in (1050 mm) 22.3 in (567 mm) * 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN65B 48 in (1050 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm) 5T 4895AN65B 48 in (17.4 in (1200 mm) 442 mm) WT 6095AN 60 in (1500 mm) 661 mm) 5T 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	00007111	(900 mm)	(658 mm)	
(900 mm) (392 mm) 3695AN65B 36 in (900 mm) 15.4 in (392 mm) 4295AN 42 in (1050 mm) 22.3 in (567 mm) 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) 4895AN 48 in (1050 mm) 22.7 in (576 mm) 4895AN85B 48 in (17.4 in (1200 mm) 576 mm) 4895AN65B 48 in (17.4 in (1200 mm) 442 mm) 4895AN65B 48 in (17.4 in (1200 mm) 442 mm) 6095AN 60 in (1500 mm) 26.0 in (661 mm) 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) 6095AN65B 60 in (1500 mm) 20.0 in (508 mm)	260EANIOED	36 in	15.4 in	СТ
3695AN65B (900 mm) (392 mm) WT 4295AN 42 in (1050 mm) 22.3 in (567 mm) * 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN 48 in (1050 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm)) 576 mm) ST 4895AN65B 48 in (17.4 in (1200 mm)) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	GCONIACEOC	(900 mm)	(392 mm)	31
(900 mm) (392 mm) 4295AN 42 in (1050 mm) 22.3 in (567 mm) 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN65B 48 in (1050 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm) 576 mm) ST 4895AN65B 48 in (17.4 in (1200 mm) 442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	260EANGED	36 in	15.4 in	\A/T
4295AN (1050 mm) (567 mm) 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN 48 in (1050 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm) 576 mm) ST 4895AN65B 48 in (17.4 in (1200 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	GCONIACEOC	(900 mm)	(392 mm)	VVI
4295AN85B 42 in (1050 mm) (567 mm) 4295AN85B 42 in (1050 mm) 17.1 in (435 mm) WT 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN 48 in (1200 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm)) 576 mm) ST 4895AN65B 48 in (17.4 in (1200 mm)) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) 6095AN65B 60 in (1500 mm) 20.0 in (508 mm)	400E A NI	42 in	22.3 in	*
4295AN85B (1050 mm) (435 mm) ST 4295AN65B 42 in (1050 mm) 17.1 in (435 mm) WT 4895AN 48 in (1200 mm) 22.7 in (576 mm) * 4895AN85B 48 in (1200 mm) 17.4 in (442 mm) ST 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (508 mm) ST	4295AN	(1050 mm)	(567 mm)	
4295AN65B 42 in (1050 mm) (435 mm) 4895AN 48 in (1200 mm) 22.7 in (576 mm) 4895AN85B 48 in (1200 mm) 17.4 in (442 mm) 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) 6095AN 60 in (1500 mm) 26.0 in (661 mm) 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) 6095AN65B 60 in (20.0 in (508 mm)) ST	4205 A NIOSD	42 in	17.1 in	СТ
4295AN65B (1050 mm) (435 mm) WT 4895AN 48 in (1200 mm) 22.7 in (576 mm) * 4895AN85B 48 in (17.4 in (1200 mm)) 5T 4895AN65B 48 in (17.4 in (1200 mm)) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) 6095AN65B 60 in (20.0 in (1500 mm)) WT	4290AN00D	(1050 mm)	(435 mm)	5
4895AN 48 in (1200 mm) (22.7 in (576 mm) * 4895AN85B 48 in (1200 mm) 17.4 in (442 mm) ST 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (20.0 in (508 mm)) ST	1205 A N65B	42 in	17.1 in	\//T
4895AN (1200 mm) (576 mm) 4895AN85B 48 in (17.4 in (1200 mm)) 17.4 in (442 mm) ST 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (20.0 in (508 mm)) WT	4293AN03B	(1050 mm)	(435 mm)	VVI
4895AN85B 48 in (1200 mm) 17.4 in (442 mm) ST 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (20.0 in (508 mm) ST	4905 A N	48 in	22.7 in	*
4895AN85B (1200 mm) (442 mm) ST 4895AN65B 48 in (17.4 in (1200 mm)) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (20.0 in (1500 mm)) WT	4095AN	(1200 mm)	(576 mm)	
(1200 mm) (442 mm) 4895AN65B 48 in (1200 mm) 17.4 in (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (20.0 in (508 mm)) WT	1805 A NI85B	48 in	17.4 in	QТ
4895AN65B (1200 mm) (442 mm) WT 6095AN 60 in (1500 mm) 26.0 in (661 mm) * 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) ST 6095AN65B 60 in (1500 mm) 20.0 in (500 mm) WT	4090AN00D	(1200 mm)	(442 mm)	5
(1200 mm) (442 mm) 6095AN 60 in (1500 mm) 26.0 in (661 mm) 6095AN85B 60 in (1500 mm) 20.0 in (508 mm) 6095AN65B 60 in (20.0 in (508 mm)) ST	48954N65B	48 in	17.4 in	WT
6095AN (1500 mm) (661 mm) 6095AN85B 60 in 20.0 in (508 mm) 6095AN65B 60 in 20.0 in WT	4033AI103B	(1200 mm)	(442 mm)	VVI
6095AN85B (1500 mm) (661 mm) (661 mm) 6095AN85B 60 in (1500 mm) (508 mm) 6095AN85B 60 in (500 mm) (500 mm)	6005AN	60 in	26.0 in	*
6095AN85B (1500 mm) (508 mm) ST 6095AN65B 60 in 20.0 in WT	0095AN	(1500 mm)	(661 mm)	
(1500 mm) (508 mm) 60 in 20.0 in WT	6095AN85B	60 in	20.0 in	ST
1 6095AN65B 1 33 1 37 1 W1	0000/411000	(1500 mm)	(508 mm)	
(1500 mm) (508 mm)	6095AN65B	• • • • • • • • • • • • • • • • • • • •		WT
	3030/11100D	(1500 mm)	(508 mm)	** 1

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

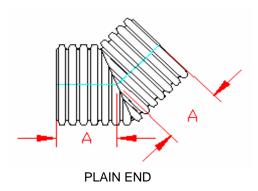


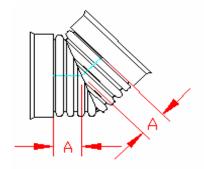
DRAWING #:	2210A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 45° BENDS 12" - 36" DIAMETER

PART #	PIPE SIZE	А	JOINT
1297AN	12 in (300 mm)	11.5 in (293 mm)	*
1297AN65BB	12 in (300 mm)	5.8 in (146 mm)	WT
1597AN	15 in (375 mm)	13.0 in (329 mm)	*
1597AN65BB	15 in (375 mm)	7.8 in (197 mm)	WT
1897AN	18 in (450 mm)	17.4 in (443 mm)	*
1897AN65BB	18 in (450 mm)	6.7 in (170 mm)	WT
2497AN	24 in (600 mm)	22.1 in (560 mm)	*
2497AN65BB	24 in (600 mm)	9.5 in (240 mm)	WT
3097AN	30 in (750 mm)	25.8 in (656 mm)	*
3097AN65BB	30 in (750 mm)	13.5 in (342 mm)	WT
3697AN	36 in (900 mm)	29.3 in (745 mm)	*
3697AN65BB	36 in (900 mm)	13.6 in (345 mm)	WT

^{* =} PLAIN END WT = WATER TIGHT





ST & WT (INCLUDES 2 GASKETS)

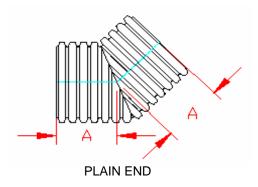


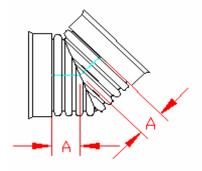
DRAWING #:	2212	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 45° BENDS 42" - 60" DIAMETER

PART #	PIPE SIZE	А	JOINT
4297AN	42 in (1050 mm)	31.1 in (791 mm)	*
4297AN65BB	42 in (1050 mm)	19.2 in (487 mm)	WT
4897AN	48 in (1200 mm)	30.2 in (767 mm)	*
4897AN65BB	48 in (1200 mm)	19.7 in (500 mm)	WT
6097AN	60 in (1500 mm)	42.0 in (1067 mm)	*
6097AN65BB	60 in (1500 mm)	24.0 in (610 mm)	WT

^{* =} PLAIN END WT = WATER TIGHT





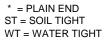
ST & WT (INCLUDES 2 GASKETS)

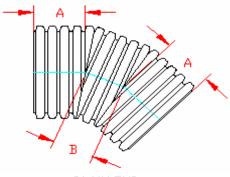


DRAWING #:	2212A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

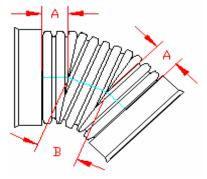
DUAL WALL FABRICATED MITERED 45° BENDS 12" - 30" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
1294AN	12 in (300 mm)	9.6 in (244 mm)	7.7 in (195 mm)	*
1294AN85B	12 in (300 mm)	5.8 in (146 mm)	7.7 in (195 mm)	ST
1294AN65B	12 in (300 mm)	5.8 in (146 mm)	7.7 in (195 mm)	WT
1594AN	15 in (375 mm)	13.1 in (334 mm)	8.5 in (216 mm)	*
1594AN85B	15 in (375 mm)	5.4 in (137 mm)	8.5 in (216 mm)	ST
1594AN65B	15 in (375 mm)	5.4 in (137 mm)	8.5 in (216 mm)	WT
1894AN	18 in (450 mm)	14.3 in (363 mm)	8.6 in (219 mm)	*
1894AN85B	18 in (450 mm)	6.9 in (174 mm)	8.6 in (219 mm)	ST
1894AN65B	18 in (450 mm)	6.9 in (174 mm)	8.6 in (219 mm)	WT
2494AN	24 in (600 mm)	18.9 in (480 mm)	12.6 in (320 mm)	*
2494AN85B	24 in (600 mm)	9.5 in (240 mm)	12.6 in (320 mm)	ST
2494AN65B	24 in (600 mm)	9.5 in (240 mm)	12.6 in (320 mm)	WT
3094AN	30 in (750 mm)	17.9 in (455 mm)	15.2 in (386 mm)	*
3094AN85B	30 in (750 mm)	9.7 in (245 mm)	15.2 in (386 mm)	ST
3094AN65B	30 in (750 mm)	9.7 in (245 mm)	15.2 in (386 mm)	WT





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

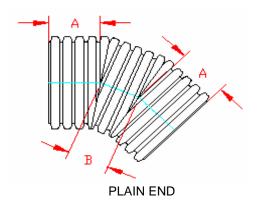


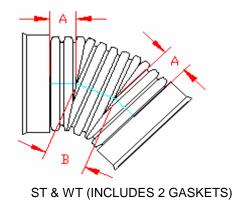
DRAWING #:	2215	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED MITERED 45° BENDS 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3694AN	36 in (900 mm)	21.5 in (546 mm)	17.3 in (439 mm)	*
3694AN85B	36 in (900 mm)	11.2 in (285 mm)	17.3 in (439 mm)	ST
3694AN65B	36 in (900 mm)	11.2 in (285 mm)	17.3 in (439 mm)	WT
4294AN	42 in (1050 mm)	24.9 in (632 mm)	18.7 in (474 mm)	*
4294AN85B	42 in (1050 mm)	14.5 in (369 mm)	18.7 in (474 mm)	ST
4294AN65B	42 in (1050 mm)	14.5 in (369 mm)	18.7 in (474 mm)	WT
4894AN	48 in (1200 mm)	24.4 in (620 mm)	22.6 in (574 mm)	*
4894AN85B	48 in (1200 mm)	13.9 in (353 mm)	22.6 in (574 mm)	ST
4894AN65B	48 in (1200 mm)	13.9 in (353 mm)	22.6 in (574 mm)	WT
6094AN	60 in (1500 mm)	33.2 in (844 mm)	24.5 in (622 mm)	*
6094AN85B	60 in (1500 mm)	15.2 in (387 mm)	24.5 in (622 mm)	ST
6094AN65B	60 in (1500 mm)	15.2 in (387 mm)	24.5 in (622 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





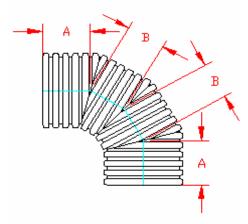


DRAWING #:	2215A	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07

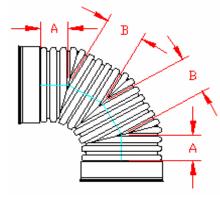
DUAL WALL FABRICATED MITERED 90° BENDS 12" - 18" DIAMETER

PART #	PIPE SIZE	А	В	JOINT
1299AN	12 in (300 mm)	9.4 in (239 mm)	7.8 in (198 mm)	*
1299AN85B	12 in (300 mm)	5.5 in (140 mm)	7.8 in (198 mm)	ST
1299AN65B	12 in (300 mm)	5.5 in (140 mm)	7.8 in (198 mm)	WT
1599AN	15 in (375 mm)	12.1 in (307 mm)	9.3 in (236 mm)	*
1599AN85B	15 in (375 mm)	6.9 in (175 mm)	9.3 in (236 mm)	ST
1599AN65B	15 in (375 mm)	6.9 in (175 mm)	9.3 in (236 mm)	WT
1899AN	18 in (450 mm)	12.2 in (310 mm)	10.0 in (254 mm)	*
1899AN85B	18 in (450 mm)	7.1 in (180 mm)	10.0 in (254 mm)	ST
1899AN65B	18 in (450 mm)	7.1 in (180 mm)	10.0 in (254 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

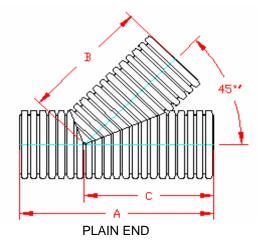


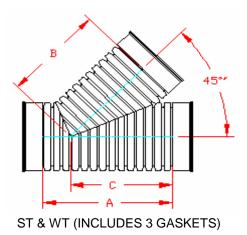
DRAWING #:	2220	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED STANDARD WYES 12" - 18" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1284AN	12 in	38.4 in	25.8 in	25.8 in	*
1204AN	(300 mm)	(975 mm)	(654 mm)	(654 mm)	
1284AN85B	12 in	25.8 in	20.2 in	20.2 in	ST
1204/11000	(300 mm)	(654 mm)	(514 mm)	(514 mm)	51
1284AN65B	12 in	25.8 in	20.2 in	20.2 in	WT
1204/11000	(300 mm)	(654 mm)	(514 mm)	(514 mm)	V V 1
1585AN	15 in	45.5 in	35.4 in	30.3 in	*
IDODAN	(375 mm)	(1157 mm)	(899 mm)	(770 mm)	
1585AN85B	15 in	33.0 in	25.3 in	25.4 in	ST
IJOJANOJD	(375 mm)	(839 mm)	(642 mm)	(645 mm)	5
1585AN65B	15 in	33.0 in	25.3 in	25.4 in	WT
1303/1103/	(375 mm)	(839 mm)	(642 mm)	(645 mm)	V V I
1886AN	18 in	53.2 in	40.5 in	40.5 in	*
TOOOAIN	(450 mm)	(1350 mm)	(1028 mm)	(1028 mm)	
1886AN85B	18 in	38.0 in	30.1 in	30.4 in	ST
DOOMNOOD	(450 mm)	(964 mm)	(765 mm)	(771 mm)	5
1886AN65B	18 in	38.0 in	30.1 in	30.4 in	WT
TOOUAINOJD	(450 mm)	(964 mm)	(765 mm)	(771 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





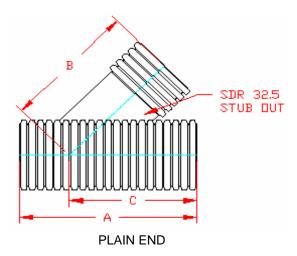


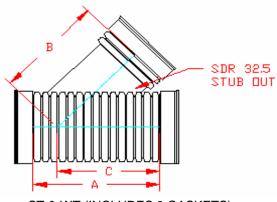
DRAWING #:	2300	
DRAWN BY:	NJP	07.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED STANDARD WYES 24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
2487AN	24 in	65.5 in	50.0 in	47.5 in	*
2407 AIN	(600 mm)	(1664 mm)	(1270 mm)	(1207 mm)	
2487AN85B	24 in	47.0 in	40.5 in	38.0 in	ST
2407 ANOSD	(600 mm)	(1194 mm)	(1029 mm)	(965 mm)	5
2487AN65B	24 in	47.0 in	40.5 in	38.0 in	WT
2407 ANOSD	(600 mm)	(1194 mm)	(1029 mm)	(965 mm)	VVI

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





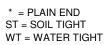
ST & WT (INCLUDES 3 GASKETS)

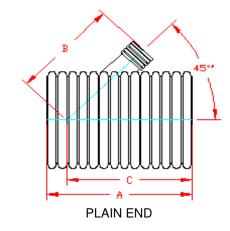


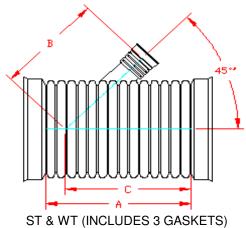
DRAWING #:	2300A	
DRAWN BY:	JCB	04.25.07
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING WYES 12"×4" - 12"×10" DIAMETER

PART #	PIPE SIZE	Α	В	С	JOINT
1280AN	12 x 4 in	28.5 in	19.7 in	23.0 in	*
	(300 x 100 mm)	(724 mm)	(500 mm)	(585 mm)	
1280AN85B	12 x 4 in	23.3 in	19.7 in	20.4 in	ST
12007 111002	(300 x 100 mm)	(592 mm)	(500 mm)	(519 mm)	0.
1280AN65B	12 x 4 in	23.3 in	19.7 in	20.4 in	WT
1200AN03B	(300 x 100 mm)	(592 mm)	(500 mm)	(519 mm)	VV 1
1281AN	12 x 6 in	31.1 in	21.2 in	24.3 in	*
1201AIN	(300 x 150 mm)	(789 mm)	(538 mm)	(618 mm)	
1281AN85B	12 x 6 in	25.9 in	21.2 in	21.7 in	ST
1201AN03D	(300 x 150 mm)	(658 mm)	(538 mm)	(552 mm)	31
1281AN65B	12 x 6 in	25.9 in	21.2 in	21.7 in	WT
1201AN03D	(300 x 150 mm)	(658 mm)	(538 mm)	(552 mm)	VV I
10004N	12 x 8 in	33.7 in	22.6 in	25.6 in	*
1282AN	(300 x 200 mm)	(855 mm)	(574 mm)	(651 mm)	
1000 A NOED	12 x 8 in	28.5 in	22.6 in	23.0 in	ST
1282AN85B	(300 x 200 mm)	(724 mm)	(574 mm)	(585 mm)	51
1282AN65B	12 x 8 in	28.5 in	22.6 in	23.0 in	WT
1202ANOOD	(300 x 200 mm)	(724 mm)	(574 mm)	(585 mm)	VV I
100041	12 x 10 in	38.9 in	25.2 in	28.2 in	*
1283AN	(300 x 250 mm)	(987 mm)	(640 mm)	(717 mm)	
1000 A NOED	12 x 10 in	33.7 in	25.2 in	25.6 in	ST
1283AN85B	(300 x 250 mm)	(855 mm)	(640 mm)	(651 mm)	51
1000 A NOED	12 x 10 in	33.7 in	25.2 in	25.6 in	\A/T
1283AN65B	(300 x 250 mm)	(855 mm)	(640 mm)	(651 mm)	WT





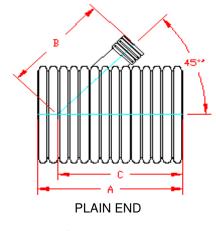


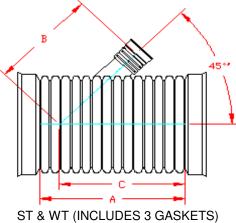


DRAWING #:	2310	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 15"×4" - 15"×12" DIAMETER

PART#	PIPE SIZE	Α	В	С	JOINT
1580AN	15 x 4 in	28.9 in	20.8 in	23.0 in	*
ISOUAIN	(375 x 100 mm)	(734 mm)	(528 mm)	(585 mm)	
1580AN85B	15 x 4 in	23.6 in	20.8 in	20.4 in	ST
1300/1103/	(375 x 100 mm)	(599 mm)	(528 mm)	(519 mm)	01
1580AN65B	15 x 4 in	23.6 in	20.8 in	20.4 in	WT
TOOOANOOD	(375 x 100 mm)	(599 mm)	(528 mm)	(519 mm)	V 1
1581AN	15 x 6 in	31.5 in	22.4 in	24.3 in	*
TOOTAIN	(375 x 150 mm)	(800 mm)	(569 mm)	(618 mm)	
1581AN85B	15 x 6 in	26.3 in	22.4 in	21.7 in	ST
1301AN03D	(375 x 150 mm)	(668 mm)	(569 mm)	(552 mm)	31
1581AN65B	15 x 6 in	26.3 in	22.4 in	21.7 in	WT
IJOTANOJD	(375 x 150 mm)	(668 mm)	(569 mm)	(552 mm)	VVI
1500AN	15 x 8 in	34.2 in	24.5 in	25.6 in	*
1582AN	(375 x 200 mm)	(869 mm)	(622 mm)	(651 mm)	
1582AN85B	15 x 8 in	28.9 in	24.5 in	23.0 in	ST
IJOZANOJD	(375 x 200 mm)	(734 mm)	(622 mm)	(585 mm)	51
1582AN65B	15 x 8 in	28.9 in	24.5 in	23.0 in	WT
1302/11031	(375 x 200 mm)	(734 mm)	(622 mm)	(585 mm)	VV I
1583AN	15 x 10 in	39.4 in	26.1 in	28.2 in	*
IOOOAN	(375 x 250 mm)	(1001 mm)	(663 mm)	(717 mm)	
1583AN85B	15 x 10 in	34.1 in	26.1 in	25.6 in	ST
TOOOANOOD	(375 x 250 mm)	(866 mm)	(663 mm)	(651 mm)	51
1583AN65B	15 x 10 in	34.1 in	26.1 in	25.6 in	WT
TOOOANOOD	(375 x 250 mm)	(866 mm)	(663 mm)	(651 mm)	VVI
1584AN	15 x 12 in	42.0 in	29.7 in	29.5 in	*
1004AN	(375 x 300 mm)	(1067 mm)	(754 mm)	(749 mm)	
1584AN85B	15 x 12 in	36.8 in	27.8 in	26.9 in	ST
1304ANO3D	(375 x 300 mm)	(935 mm)	(706 mm)	(684 mm)	31
1584AN65B	15 x 12 in	36.8 in	27.8 in	26.9 in	WT
TOOTANOOD	(375 x 300 mm)	(935 mm)	(706 mm)	(684 mm)	V V I





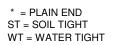
* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

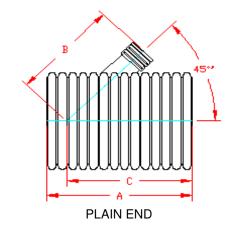


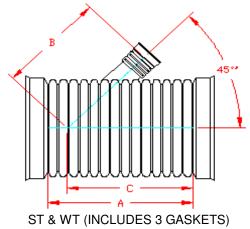
DRAWING #:	2315	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08
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DUAL WALL FABRICATED REDUCING WYES 18"×4" - 18"×10" DIAMETER

PART #	PIPE SIZE	Α	В	С	JOINT
1880AN	18 x 4 in	28.7 in	23.0 in	25.3 in	*
	(450 x 100 mm)	(729 mm)	(584 mm)	(644 mm)	
1880AN85B	18 x 4 in	24.1 in	23.0 in	22.7 in	ST
100071110015	(450 x 100 mm)	(613 mm)	(584 mm)	(576 mm)	01
1880AN65B	18 x 4 in	24.1 in	23.0 in	22.7 in	WT
TOOUANOOD	(450 x 100 mm)	(613 mm)	(584 mm)	(576 mm)	VVI
1881AN	18 x 6 in	31.3 in	25.1 in	26.7 in	*
1001AIN	(450 x 150 mm)	(796 mm)	(638 mm)	(678 mm)	
1881AN85B	18 x 6 in	26.8 in	25.1 in	24.0 in	ST
100 I AINOOD	(450 x 150 mm)	(681 mm)	(638 mm)	(610 mm)	5
1881AN65B	18 x 6 in	26.8 in	25.1 in	24.0 in	WT
100 I ANODD	(450 x 150 mm)	(681 mm)	(638 mm)	(610 mm)	VVI
1882AN	18 x 8 in	33.9 in	27.2 in	28.0 in	*
1002AN	(450 x 200 mm)	(862 mm)	(691 mm)	(712 mm)	
1882AN85B	18 x 8 in	28.7 in	27.2 in	25.3 in	ST
100ZAINOOD	(450 x 200 mm)	(729 mm)	(691 mm)	(644 mm)	31
1882AN65B	18 x 8 in	28.7 in	27.2 in	25.3 in	WT
1002AN03D	(450 x 200 mm)	(729 mm)	(691 mm)	(644 mm)	VVI
1000 A N I	18 x 10 in	36.6 in	28.7 in	29.4 in	*
1883AN	(450 x 250 mm)	(928 mm)	(729 mm)	(746 mm)	
1883AN85B	18 x 10 in	31.3 in	28.7 in	26.7 in	ST
TOOSAINOOD	(450 x 250 mm)	(796 mm)	(729 mm)	(678 mm)	31
1883AN65B	18 x 10 in	31.3 in	28.7 in	26.7 in	WT
TOOSAINOSD	(450 x 250 mm)	(796 mm)	(729 mm)	(678 mm)	VVI







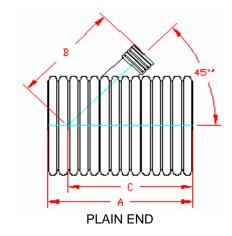


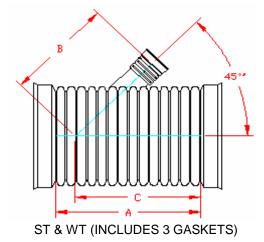
DRAWING #:	2320	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08
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DUAL WALL FABRICATED REDUCING WYES 18"×12" - 18"×15" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1884AN	18 x 12 in (450 x 300 mm)	41.8 in (1062 mm)	32.3 in (820 mm)	32.0 in (814 mm)	*
1884AN85B	18 x 12 in (450 x 300 mm)	36.5 in (927 mm)	30.4 in (771 mm)	29.4 in (746 mm)	ST
1884AN65B	18 x 12 in (450 x 300 mm)	36.5 in (927 mm)	30.3 in (771 mm)	29.4 in (746 mm)	WT
1885AN	18 x 15 in (450 x 375 mm)	47.0 in (1194 mm)	38.3 in (973 mm)	34.7 in (882 mm)	*
188AN85B	18 x 15 in (450 x 1375mm)	41.8 in (1062 mm)	35.7 in (907 mm)	32.0 in (814 mm)	ST
1885AN65B	18 x 15 in (450 x 375 mm)	41.8 in (1062 mm)	35.7 in (907 mm)	32.0 in (814 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



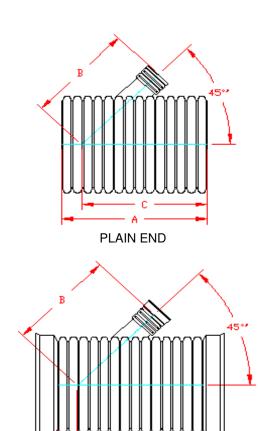




DRAWING #:	2320A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING WYES 24"×4" - 24"×12" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
2480AN	24 x 4 in	34.4 in	27.7 in	31.2 in	*
2400AN	(600 x 100 mm)	(874 mm)	(704 mm)	(793 mm)	
2480AN85B	24 x 4 in	28.2 in	27.7 in	28.1 in	ST
Z+00/11100B	(600 x 100 mm)	(716 mm)	(704 mm)	(713 mm)	01
2480AN65B	24 x 4 in	28.2 in	27.7 in	28.1 in	WT
2400AN03B	(600 x 100 mm)	(716 mm)	(704 mm)	(713 mm)	V V I
2481AN	24 x 6 in	37.6 in	29.3 in	32.8 in	*
240 I AIN	(600 x 150 mm)	(955 mm)	(744 mm)	(833 mm)	
2481AN85B	24 x 6 in	31.3 in	29.3 in	29.7 in	ST
240 I AINO3D	(600 x 150 mm)	(795 mm)	(744 mm)	(753 mm)	5
2481AN65B	24 x 6 in	31.3 in	29.3 in	29.7 in	WT
2401AN03D	(600 x 150 mm)	(795 mm)	(744 mm)	(753 mm)	VVI
2482AN	24 x 8 in	40.7 in	32.5 in	34.4 in	*
2402AN	(600 x 200 mm)	(1034 mm)	(826 mm)	(873 mm)	
2482AN85B	24 x 8 in	34.4 in	32.5 in	31.2 in	ST
2402AN03D	(600 x 200 mm)	(874 mm)	(826 mm)	(793 mm)	5
2482AN65B	24 x 8 in	34.4 in	32.5 in	31.2 in	WT
Z+0Z/(100B	(600 x 200 mm)	(874 mm)	(826 mm)	(793 mm)	44.1
2483AN	24 x 10 in	46.9 in	33.0 in	36.0 in	*
2403AN	(600 x 250 mm)	(1191 mm)	(838 mm)	(913 mm)	
2483AN85B	24 x 10 in	36.6 in	33.0 in	32.8 in	ST
2403AN03B	(600 x 250 mm)	(930 mm)	(838 mm)	(833 mm)	5
2483AN65B	24 x 10 in	36.6 in	33.0 in	32.8 in	WT
2400AN00D	(600 x 250 mm)	(930 mm)	(838 mm)	(833 mm)	V V 1
2484AN	24 x 12 in	46.9 in	36.9 in	37.5 in	*
2404AN	(600 x 300 mm)	(1191 mm)	(938 mm)	(953 mm)	
2484AN85B	24 x 12 in	40.7 in	35.0 in	34.4 in	ST
2404AINOJD	(600 x 300 mm)	(1034 mm)	(889 mm)	(873 mm)	31
2484AN65B	24 x 12 in	40.7 in	35.0 in	34.4 in	WT
2404A1100B	(600 x 300 mm)	(1034 mm)	(889 mm)	(873 mm)	V V I



ST & WT (INCLUDES 3 GASKETS)

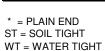
* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

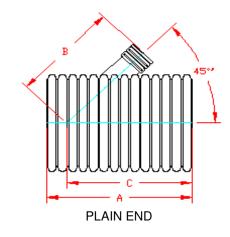


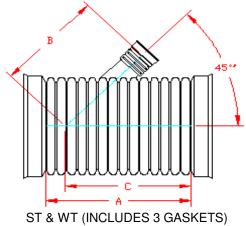
DRAWING #:	2325	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 30"×4" - 30"×10" DIAMETER

PART#	PIPE SIZE	Α	В	С	JOINT
3080AN	30 x 4 in	41.2 in	32.9 in	38.2 in	*
	(750 x 100 mm)	(1046 mm)	(836 mm)	(969 mm)	
3080AN85B	30 x 4 in	33.0 in	32.9 in	34.0 in	ST
	(750 x 100 mm)	(837 mm)	(836 mm)	(864 mm)	•
3080AN65B	30 x 4 in	33.0 in	32.9 in	34.0 in	WT
000071110012	(750 x 100 mm)	(837 mm)	(836 mm)	(864 mm)	** 1
3081AN	30 x 6 in	45.3 in	35.0 in	40.2 in	*
300 I AIN	(750 x 150 mm)	(1151 mm)	(889 mm)	(1021 mm)	
3081AN85B	30 x 6 in	37.1 in	35.0 in	36.1 in	ST
3001AN03D	(750 x 150 mm)	(942 mm)	(889 mm)	(917 mm)	31
3081AN65B	30 x 6 in	37.1 in	35.0 in	36.1 in	WT
3001AN03D	(750 x 150 mm)	(942 mm)	(889 mm)	(917 mm)	VVI
0000411	30 x 8 in	49.4 in	37.1 in	42.3 in	*
3082AN	(750 x 200 mm)	(1256 mm)	(942 mm)	(1074 mm)	
2000 A NOED	30 x 8 in	41.2 in	37.1 in	38.2 in	ST
3082AN85B	(750 x 200 mm)	(1046 mm)	(942 mm)	(969 mm)	51
3082AN65B	30 x 8 in	41.2 in	37.1 in	38.2 in	WT
SUOZANOSE	(750 x 200 mm)	(1046 mm)	(942 mm)	(969 mm)	VVI
0000411	30 x 10 in	49.4 in	38.6 in	42.3 in	*
3083AN	(750 x 250 mm)	(1256 mm)	(980 mm)	(1074 mm)	
20024N055	30 x 10 in	41.2 in	38.6 in	38.2 in	СТ
3083AN85B	(750 x 250 mm)	(1046 mm)	(980 mm)	(969 mm)	ST
2002 ANCED	30 x 10 in	41.2 in	38.6 in	38.2 in	\A/T
3083AN65B	(750 x 250 mm)	(1046 mm)	(980 mm)	(969 mm)	WT







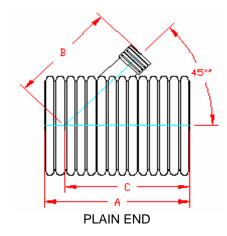


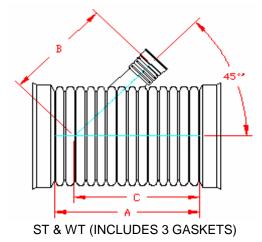
DRAWING #:	2330	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 30"×12" - 30"×15" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3084AN	30 x 12 in	53.6 in	42.1 in	44.3 in	*
	(750 x 300 mm)	(1360 mm)	(1069 mm)	(1126 mm)	
3084AN85B	30 x 12 in	45.3 in	40.2 in	40.2 in	ST
3004AI103B	(750 x 300 mm)	(1151 mm)	(1020 mm)	(1021 mm)	01
3084AN65B	30 x 12 in	45.3 in	40.2 in	40.2 in	WT
3004AN03D	(750 x 300 mm)	(1151 mm)	(1020 mm)	(1021 mm)	VVI
3085AN	30 x 15 in	61.8 in	48.1 in	48.5 in	*
SUOSAIN	(750 x 375 mm)	(1570 mm)	(1222 mm)	(1231 mm)	
3085AN85B	30 x 15 in	53.6 in	45.5 in	44.3 in	ST
SUOSANOSE	(750 x 1375mm)	(1360 mm)	(1156 mm)	(1126 mm)	31
3085AN65B	30 x 15 in	53.6 in	45.5 in	44.3 in	WT
DCONIACOUC	(750 x 375 mm)	(1360 mm)	(1156 mm)	(1126 mm)	VV I

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



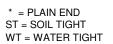


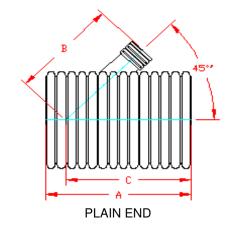


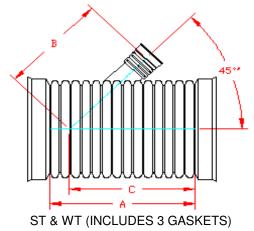
DRAWING #:	2330A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING WYES 36"×4" - 36"×10" DIAMETER

PART #	PIPE SIZE	Α	В	С	JOINT
3680AN	36 x 4 in	51.4 in	37.6 in	47.1 in	*
	(900 x 100 mm)	(1306 mm)	(955 mm)	(1196 mm)	
3680AN85B	36 x 4 in	41.1 in	37.6 in	41.9 in	ST
00007111002	(900 x 100 mm)	(1044 mm)	(955 mm)	(1063 mm)	01
3680AN65B	36 x 4 in	41.1 in	37.6 in	41.9 in	WT
3000AI103D	(900 x 100 mm)	(1044 mm)	(955 mm)	(1063 mm)	VV 1
3681AN	36 x 6 in	51.4 in	39.2 in	47.1 in	*
300 IAN	(900 x 150 mm)	(1306 mm)	(996 mm)	(1196 mm)	
3681AN85B	36 x 6 in	41.1 in	39.2 in	41.9 in	ST
300 TAIN03D	(900 x 150 mm)	(1044 mm)	(996 mm)	(1063 mm)	5
3681AN65B	36 x 6 in	41.1 in	39.2 in	41.9 in	WT
300 I AIN03B	(900 x 150 mm)	(1044 mm)	(996 mm)	(1063 mm)	VVI
3682AN	36 x 8 in	56.6 in	41.3 in	49.7 in	*
3002AIN	(900 x 200 mm)	(1438 mm)	(1049 mm)	(1263 mm)	
3682AN85B	36 x 8 in	46.3 in	41.3 in	44.5 in	ST
3002AN03D	(900 x 200 mm)	(1176 mm)	(1049 mm)	(1130 mm)	31
3682AN65B	36 x 8 in	46.3 in	41.3 in	44.5 in	WT
3002AN03D	(900 x 200 mm)	(1176 mm)	(1049 mm)	(1130 mm)	VVI
3683AN	36 x 10 in	61.7 in	42.8 in	52.4 in	*
3083AN	(900 x 250 mm)	(1567 mm)	(1087 mm)	(1330 mm)	
3683AN85B	36 x 10 in	51.4 in	42.8 in	47.1 in	ST
DCONIACOUC	(900 x 250 mm)	(1306 mm)	(1087 mm)	(1196 mm)	01
3683AN65B	36 x 10 in	51.4 in	42.8 in	47.1 in	WT
SOOSAINOSB	(900 x 250 mm)	(1306 mm)	(1087 mm)	(1196 mm)	VVI







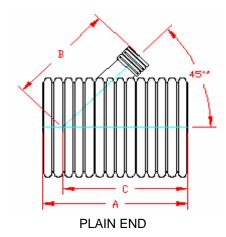


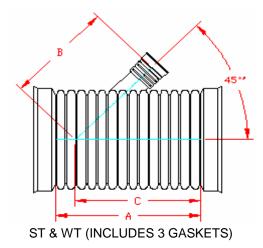
DRAWING #:	2335	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08
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DUAL WALL FABRICATED REDUCING WYES 36"×12" - 36"×18" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
3684AN	36 x 12 in (900 x 300 mm)	61.7 in (1567 mm)	46.8 in (1188 mm)	52.4 in (1330 mm)	*
3684AN85B	36 x 12 in (900 x 300 mm)	51.4 in (1306 mm)	44.8 in (1139 mm)	47.1 in (1196 mm)	ST
3684AN65B	36 x 12 in (900 x 300 mm)	51.4 in (1306 mm)	44.8 in (1139 mm)	47.1 in (1196 mm)	WT
3685AN	36 x 15 in (900 x 375 mm)	66.8 in (1697 mm)	52.8 in (1341 mm)	55.0 in (1396 mm)	*
3685AN85B	36 x 15 in (900 x 1375mm)	56.8 in (1443 mm)	50.2 in (1275 mm)	49.7 in (1263 mm)	ST
3685AN65B	36 x 15 in (900 x 375 mm)	56.8 in (1443 mm)	50.2 in (1275 mm)	49.7 in (1263 mm)	WT
3686AN	36 x 18 in (900 x 450 mm)	72.0 in (1829 mm)	53.6 in (1361 mm)	57.6 in (1463 mm)	*
3686AN85B	36 x 18 in (900 x 450mm)	61.7 in (1567 mm)	50.9 in (1293 mm)	52.4 in (1330 mm)	ST
3686AN65B	36 x 18 in (900 x 450 mm)	61.7 in (1567 mm)	50.9 in (1293 mm)	52.4 in (1330 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



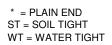


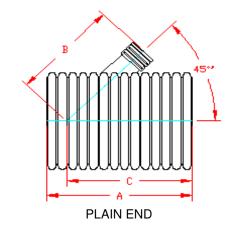


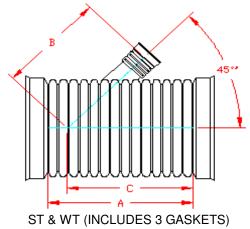
DRAWING #:	2335A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING WYES 42"×4" - 42"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4280AN	42 x 4 in	51.4 in	41.9 in	49.8 in	*
	(1050 x 100 mm)	(1306 mm)	(1064 mm)	(1265 mm)	
4280AN85B	42 x 4 in	41.1 in	41.9 in	44.6 in	ST
12007111002	(1050 x 100 mm)	(1044 mm)	(1064 mm)	(1133 mm)	<u> </u>
4280AN65B	42 x 4 in	41.1 in	41.9 in	44.6 in	WT
4200AN03B	(1050 x 100 mm)	(1044 mm)	(1064 mm)	(1133 mm)	V V 1
4281AN	42 x 6 in	51.4 in	44.0 in	49.8 in	*
420 I AIN	(1050 x 150 mm)	(1306 mm)	(1118 mm)	(1265 mm)	
4281AN85B	42 x 6 in	41.1 in	44.0 in	44.6 in	ST
4201AN03D	(1050 x 150 mm)	(1044 mm)	(1118 mm)	(1133 mm)	31
4281AN65B	42 x 6 in	41.1 in	44.0 in	44.6 in	WT
4201AN00D	(1050 x 150 mm)	(1044 mm)	(1118 mm)	(1133 mm)	VVI
4282AN	42 x 8 in	56.5 in	45.7 in	52.4 in	*
4202AN	(1050 x 200 mm)	(1435 mm)	(1161 mm)	(1331 mm)	
4282AN85B	42 x 8 in	46.3 in	45.7 in	47.2 in	ST
4202AIN00D	(1050 x 200 mm)	(1176 mm)	(1161 mm)	(1199 mm)	31
4282AN65B	42 x 8 in	46.3 in	45.7 in	47.2 in	WT
4202AN03B	(1050 x 200 mm)	(1176 mm)	(1161 mm)	(1199 mm)	V V 1
4283AN	42 x 10 in	61.7 in	47.6 in	55.0 in	*
4203AN	(1050 x 250 mm)	(1567 mm)	(1209 mm)	(1397 mm)	
4283AN85B	42 x 10 in	51.4 in	47.6 in	49.8 in	ST
4203AIN03D	(1050 x 250 mm)	(1306 mm)	(1209 mm)	(1265 mm)	<u> </u>
4283AN65B	42 x 10 in	51.4 in	47.6 in	49.8 in	WT
4203AIN03D	(1050 x 250 mm)	(1306 mm)	(1209 mm)	(1265 mm)	VV I







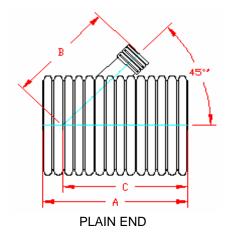


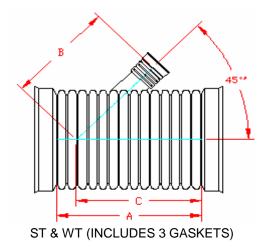
DRAWING #:	2340	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 42"×12" - 42"×18" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
4284AN	42 x 12 in	61.7 in	51.0 in	55.0 in	*
	(1050 x 300 mm)	(1567 mm)	(1295 mm)	(1397 mm)	
4284AN85B	42 x 12 in	51.4 in	49.1 in	49.8 in	ST
4204AI103D	(1050 x 300 mm)	(1306 mm)	(1247 mm)	(1265 mm)	5
4284AN65B	42 x 12 in	51.4 in	49.1 in	49.8 in	WT
4204AN03D	(1050 x 300 mm)	(1306 mm)	(1247 mm)	(1265 mm)	VVI
400E A N	42 x 15 in	66.8 in	57.0 in	57.6 in	*
4285AN	(1050 x 375 mm)	(1697 mm)	(1449 mm)	(1463 mm)	
4285AN85B	42 x 15 in	56.5 in	54.4 in	52.4 in	ST
4200AN00D	(1050 x 375mm)	(1435 mm)	(1383 mm)	(1331 mm)	31
4285AN65B	42 x 15 in	56.5 in	54.4 in	52.4 in	WT
4203AN03D	(1050 x 375 mm)	(1435 mm)	(1383 mm)	(1331 mm)	VVI
4286AN	42 x 18 in	71.9 in	57.8 in	60.2 in	*
4200AN	(1050 x 450 mm)	(1826 mm)	(1469 mm)	(1529 mm)	
4286AN85B	42 x 18 in	61.7 in	55.2 in	55.0 in	ST
4200AN00B	(1050 x 450mm)	(1567 mm)	(1401 mm)	(1397 mm)	31
4286AN65B	42 x 18 in	61.7 in	55.2 in	55.0 in	WT
4200AIN00B	(1050 x 450 mm)	(1567 mm)	(1401 mm)	(1397 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



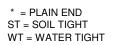


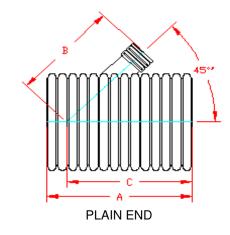


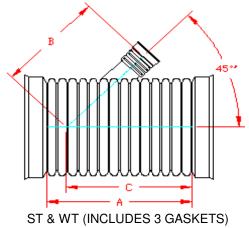
DRAWING #:	2340A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING WYES 48"×4" - 48"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4880AN	48 x 4 in	52.3 in	46.3 in	53.1 in	*
	(1200 x 100 mm)	(1328 mm)	(1176 mm)	(1347 mm)	
4880AN85B	48 x 4 in	41.9 in	46.3 in	47.8 in	ST
10007 11 1002	(1200 x 100 mm)	(1064 mm)	(1176 mm)	(1214 mm)	0.
4880AN65B	48 x 4 in	41.9 in	46.3 in	47.8 in	WT
4000AI103B	(1200 x 100 mm)	(1064 mm)	(1176 mm)	(1214 mm)	VV 1
4881AN	48 x 6 in	52.3 in	47.9 in	53.1 in	*
400 I AIN	(1200 x 150 mm)	(1328 mm)	(1217 mm)	(1347 mm)	
4881AN85B	48 x 6 in	41.9 in	47.9 in	47.8 in	ST
4001AN03D	(1200 x 150 mm)	(1064 mm)	(1217 mm)	(1214 mm)	5
4881AN65B	48 x 6 in	41.9 in	47.9 in	47.8 in	WT
4001AN03D	(1200 x 150 mm)	(1064 mm)	(1217 mm)	(1214 mm)	VV 1
4882AN	48 x 8 in	57.6 in	50.0 in	55.7 in	*
400ZAIN	(1200 x 200 mm)	(1463 mm)	(1270 mm)	(1414 mm)	
4882AN85B	48 x 8 in	47.1 in	50.0 in	50.4 in	ST
400ZAN03D	(1200 x 200 mm)	(1196 mm)	(1270 mm)	(1281 mm)	31
4882AN65B	48 x 8 in	47.1 in	50.0 in	50.4 in	WT
4002AN03D	(1200 x 200 mm)	(1196 mm)	(1270 mm)	(1281 mm)	VVI
4883AN	48 x 10 in	62.8 in	52.0 in	58.3 in	*
4883AN	(1200 x 250 mm)	(1595 mm)	(1321 mm)	(1481 mm)	
4883AN85B	48 x 10 in	52.3 in	52.0 in	53.1 in	ST
4003AINO3D	(1200 x 250 mm)	(1328 mm)	(1321 mm)	(1347 mm)	01
4883AN65B	48 x 10 in	52.3 in	52.0 in	53.1 in	WT
4003AIN03B	(1200 x 250 mm)	(1328 mm)	(1321 mm)	(1347 mm)	VVI





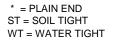


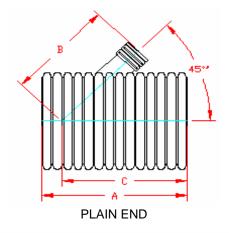


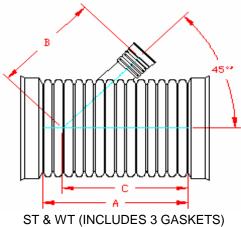
DRAWING #:	2345	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 48"x12" - 48"x24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4884AN	48 x 12 in	62.8 in	55.2 in	58.3 in	*
	(1200 x 300 mm)	(1595 mm)	(1402 mm)	(1481 mm)	
4884AN85B	48 x 12 in	52.3 in	53.3 in	53.1 in	ST
+00+/ (1 1 00B	(1200 x 300 mm)	(1328 mm)	(1353 mm)	(1347 mm)	5
4884AN65B	48 x 12 in	52.3 in	53.3 in	53.1 in	WT
4004AN03D	(1200 x 300 mm)	(1328 mm)	(1353 mm)	(1347 mm)	V V 1
4885AN	48 x 15 in	68.0 in	61.2 in	60.9 in	*
4000AIN	(1200 x 375 mm)	(1727 mm)	(1555 mm)	(1547 mm)	
4885AN85B	48 x 15 in	57.6 in	58.6 in	55.7 in	ST
4000AN00D	(1200 x 375mm)	(1463 mm)	(1489 mm)	(1414 mm)	5
4885AN65B	48 x 15 in	57.6 in	58.6 in	55.7 in	WT
4000AN00D	(1200 x 375 mm)	(1463 mm)	(1489 mm)	(1414 mm)	VVI
4886AN	48 x 18 in	73.3 in	62.0 in	63.6 in	*
4000AIN	(1200 x 450 mm)	(1862 mm)	(1575 mm)	(1614 mm)	
4886AN85B	48 x 18 in	62.8 in	59.3 in	58.3 in	ST
4000AN00D	(1200 x 450mm)	(1595 mm)	(1507 mm)	(1481 mm)	5
4886AN65B	48 x 18 in	62.8 in	59.3 in	58.3 in	WT
4000AN03D	(1200 x 450 mm)	(1595 mm)	(1507 mm)	(1481 mm)	V V 1
4887AN	48 x 24 in	83.7 in	66.3 in	68.8 in	*
4007 AIN	(1200 x 600 mm)	(2126 mm)	(1683 mm)	(1748 mm)	
4887AN85B	48 x 24 in	73.3 in	63.1 in	63.6 in	ST
4001 AINOJD	(1200 x 600mm)	(1862 mm)	(1603 mm)	(1614 mm)	5
4887AN65B	48 x 24 in	73.3 in	63.1 in	63.6 in	WT
4007 ANOOD	(1200 x 600 mm)	(1862 mm)	(1603 mm)	(1614 mm)	VVI





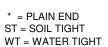


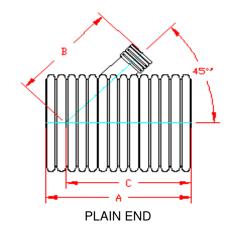


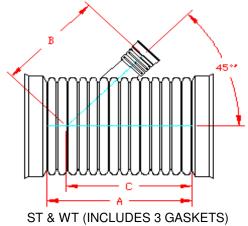
DRAWING #:	2345A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED REDUCING WYES 60"×4" - 60"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
6080AN	60 x 4 in	60.0 in	55.2 in	63.2 in	*
	(1500 x 100 mm)	(1524 mm)	(1402 mm)	(1604 mm)	
6080AN85B	60 x 4 in	48.0 in	55.2 in	57.2 in	ST
0000AN03B	(1500 x 100 mm)	(1219 mm)	(1402 mm)	(1452 mm)	01
6080AN65B	60 x 4 in	48.0 in	55.2 in	57.2 in	WT
0000AN03D	(1500 x 100 mm)	(1219 mm)	(1402 mm)	(1452 mm)	VV 1
6081AN	60 x 6 in	60.0 in	56.8 in	63.2 in	*
608 I AIN	(1500 x 150 mm)	(1524 mm)	(1443 mm)	(1604 mm)	
6081AN85B	60 x 6 in	48.0 in	56.8 in	57.2 in	ST
OCOTANOOD	(1500 x 150 mm)	(1219 mm)	(1443 mm)	(1452 mm)	31
6081AN65B	60 x 6 in	48.0 in	56.8 in	57.2 in	WT
OUOTANOOD	(1500 x 150 mm)	(1219 mm)	(1443 mm)	(1452 mm)	VVI
6082AN	60 x 8 in	66.0 in	59.0 in	66.2 in	*
000ZAN	(1500 x 200 mm)	(1676 mm)	(1499 mm)	(1680 mm)	
6082AN85B	60 x 8 in	54.0 in	59.0 in	60.2 in	ST
0002AN000	(1500 x 200 mm)	(1372 mm)	(1499 mm)	(1528 mm)	31
6082AN65B	60 x 8 in	54.0 in	59.0 in	60.2 in	WT
0002AN03B	(1500 x 200 mm)	(1372 mm)	(1499 mm)	(1528 mm)	V V 1
6083AN	60 x 10 in	66.0 in	60.9 in	66.2 in	*
OUOSAIN	(1500 x 250 mm)	(1676 mm)	(1547 mm)	(1680 mm)	
6083AN85B	60 x 10 in	54.0 in	60.9 in	60.2 in	ST
UUUUAINUUD	(1500 x 250 mm)	(1372 mm)	(1547 mm)	(1528 mm)	3 i
6083AN65B	60 x 10 in	54.0 in	60.9 in	60.2 in	WT
UUUUAINUUD	(1500 x 250 mm)	(1372 mm)	(1547 mm)	(1528 mm)	V V I





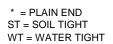


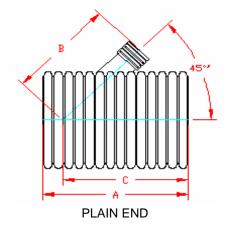


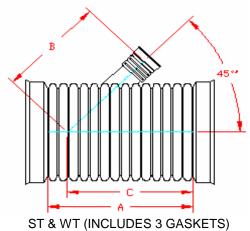
DRAWING #:	2350	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	TJR	05.30.08

DUAL WALL FABRICATED REDUCING WYES 60"x12" - 60"x24" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
6084AN	60 x 12 in	72.0 in	64.2 in	69.2 in	*
000 17 (14	(1500 x 300 mm)	(1829 mm)	(1630 mm)	(1756 mm)	
6084AN85B	60 x 12 in	60.0 in	62.2 in	63.2 in	ST
0004AI103B	(1500 x 300 mm)	(1524 mm)	(1581 mm)	(1604 mm)	01
6084AN65B	60 x 12 in	60.0 in	62.2 in	63.2 in	WT
0004AN03B	(1500 x 300 mm)	(1524 mm)	(1581 mm)	(1604 mm)	V V I
6085AN	60 x 15 in	78.0 in	70.2 in	72.2 in	*
MACOUD	(1500 x 375 mm)	(1981 mm)	(1783 mm)	(1833 mm)	
6085AN85B	60 x 15 in	66.0 in	67.6 in	66.2 in	ST
OCOMINOSE	(1500 x 375mm)	(1676 mm)	(1717 mm)	(1680 mm)	31
6085AN65	60 x 15 in	66.0 in	67.6 in	66.2 in	WT
0003AN03	(1500 x 375 mm)	(1676 mm)	(1717 mm)	(1680 mm)	VVI
6086AN	60 x 18 in	78.0 in	71.0 in	72.2 in	*
DUODAIN	(1500 x 450 mm)	(1981 mm)	(1803 mm)	(1833 mm)	
6086AN85B	60 x 18 in	66.0 in	68.3 in	66.2 in	ST
OCOMINODO	(1500 x 450mm)	(1676 mm)	(1735 mm)	(1680 mm)	31
6086AN65B	60 x 18 in	66.0 in	68.3 in	66.2 in	WT
0000AN03B	(1500 x 450 mm)	(1676 mm)	(1735 mm)	(1680 mm)	V V I
6087AN	60 x 24 in	90.0 in	75.2 in	78.2 in	*
0007AN	(1500 x 600 mm)	(2286 mm)	(1911 mm)	(1985 mm)	
6087AN85B	60 x 24 in	78.0 in	72.1 in	72.2 in	ST
0001 ANOSD	(1500 x 600mm)	(1981 mm)	(1831 mm)	(1833 mm)	31
6087AN65B	60 x 24 in	78.0 in	72.1 in	72.2 in	WT
0007 ANOSD	(1500 x 600 mm)	(1981 mm)	(1831 mm)	(1833 mm)	V V I







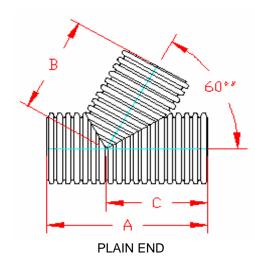


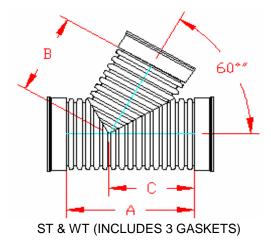
DRAWING #:	2350A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° STANDARD WYES 18" - 24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1886AN60	18 in (450 mm)	48.2 in (1225 mm)	29.5 in (749 mm)	29.5 in (749 mm)	*
1886AN6085B	18 in (450 mm)	37.5 in (953 mm)	24.1 in (613 mm)	24.1 in (613 mm)	ST
1886AN6065B	18 in (450 mm)	37.5 in (953 mm)	24.1 in (613 mm)	24.1 in (613 mm)	WT
2487AN60	24 in (600 mm)	59.9 in (1520 mm)	37.3 in (948 mm)	37.3 in (948 mm)	*
2487AN6085B	24 in (600 mm)	47.3 in (1200 mm)	32.0 in (812 mm)	32.0 in (812 mm)	ST
2487AN6065B	24 in (600 mm)	47.3 in (1200 mm)	32.0 in (812 mm)	32.0 in (812 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



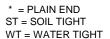


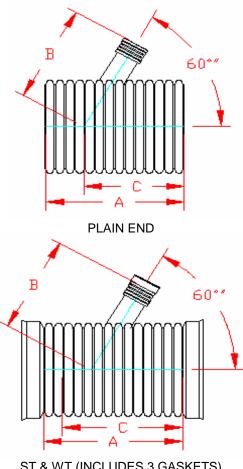


DRAWING #:	2355	
DRAWN BY:	JCB	08.09.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 18"×4" - 18"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1880AN60	18 x 4 in	29.5 in	18.2 in	20.9 in	*
10007 11100	(450 x 100 mm)	(749 mm)	(462 mm)	(530 mm)	
1880AN6085B	18 x 4 in	24.1 in	17.5 in	18.2 in	ST
1000711100002	(450 x 100 mm)	(613 mm)	(445 mm)	(462 mm)	01
1880AN6065B	18 x 4 in	24.1 in	17.5 in	18.2 in	WT
1000/110003D	(450 x 100 mm)	(613 mm)	(445 mm)	(462 mm)	V V I
1881AN60	18 x 6 in	29.5 in	19.2 in	20.9 in	*
1001AN00	(450 x 150 mm)	(749 mm)	(487 mm)	(530 mm)	
1881AN6085B	18 x 6 in	24.1 in	18.4 in	18.2 in	ST
100174100000	(450 x 150 mm)	(613 mm)	(467 mm)	(462 mm)	5
1881AN6065B	18 x 6 in	24.1 in	18.4 in	18.2 in	WT
1001AN0003D	(450 x 150 mm)	(613 mm)	(467 mm)	(462 mm)	VVI
1882AN60	18 x 8 in	32.2 in	20.9 in	22.2 in	*
1002/41100	(450 x 200 mm)	(817 mm)	(530 mm)	(564 mm)	
1882AN6085B	18 x 8 in	26.8 in	19.9 in	19.5 in	ST
1002AN0003D	(450 x 200 mm)	(681 mm)	(506 mm)	(496 mm)	5
1882AN6065B	18 x 8 in	26.8 in	19.9 in	19.5 in	WT
1002/1100000	(450 x 200 mm)	(681 mm)	(506 mm)	(496 mm)	V V I
1883AN60	18 x 10 in	34.8 in	23.6 in	23.5 in	*
1003A1100	(450 x 250 mm)	(885 mm)	(599 mm)	(598 mm)	
1883AN6085B	18 x 10 in	29.5 in	22.3 in	20.9 in	ST
TOOOMINOOOD	(450 x 250 mm)	(749 mm)	(567 mm)	(530 mm)	5
1883AN6065B	18 x 10 in	29.5 in	22.3 in	20.9 in	WT
TOOOMINOUOOD	(450 x 250 mm)	(749 mm)	(567 mm)	(530 mm)	VVI





ST & WT (INCLUDES 3 GASKETS)

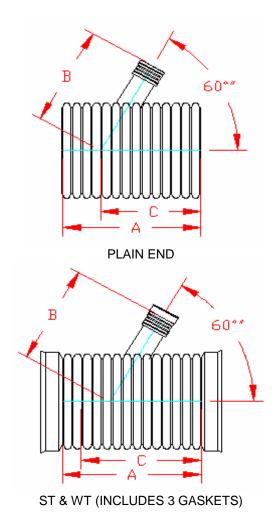


DRAWING #:	2360	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 18"×12" - 18"×15" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1884AN60	18 x 12 in	40.2 in	29.5 in	26.2 in	*
	(450 x 300 mm)	(1021 mm)	(750 mm)	(666 mm)	
1884AN6085B	18 x 12 in (450 x 300 mm)	34.8 in (885 mm)	27.6 in (701 mm)	23.5 in (598 mm)	ST
1884AN6065B	18 x 12 in	34.8 in	27.6 in	23.5 in	WT
1004AN0003B	(450 x 300 mm)	(885 mm)	(701 mm)	(598 mm)	VVI
1885AN60	18 x 15 in	42.9 in	35.5 in	27.6 in	*
1000IAC001	(450 x 375 mm)	(1089 mm)	(903 mm)	(700 mm)	
1885AN6085B	18 x 15 in	37.5 in	33.0 in	24.9 in	ST
TOOSAINOUOSB	(450 x 1375mm)	(953 mm)	(837 mm)	(632 mm)	31
1885AN6065B	18 x 15 in	37.5 in	33.0 in	24.9 in	WT
DCOUDINGCOOL	(450 x 375 mm)	(953 mm)	(837 mm)	(632 mm)	VVI

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

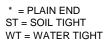


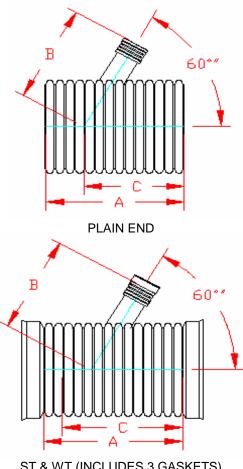


DRAWING #:	2360A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 24"×4" - 24"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
2480AN60	24 x 4 in	31.5 in	22.0 in	23.8 in	*
2 1007 11 100	(600 x 100 mm)	(800 mm)	(559 mm)	(604 mm)	
2480AN6085B	24 x 4 in	25.2 in	21.3 in	20.6 in	ST
2400/ ((10 0000B	(600 x 100 mm)	(640 mm)	(542 mm)	(524 mm)	5
2480AN6065B	24 x 4 in	25.2 in	21.3 in	20.6 in	WT
2400AN0003D	(600 x 100 mm)	(640 mm)	(542 mm)	(524 mm)	V V 1
2481AN60	24 x 6 in	34.7 in	23.0 in	25.4 in	*
240 I A NOU	(600 x 150 mm)	(880 mm)	(584 mm)	(644 mm)	
2481AN6085B	24 x 6 in	28.4 in	22.2 in	22.2 in	ST
240 IAN0003D	(600 x 150 mm)	(720 mm)	(564 mm)	(564 mm)	5
2481AN6065B	24 x 6 in	28.4 in	22.2 in	22.2 in	WT
2401AN0003D	(600 x 150 mm)	(720 mm)	(564 mm)	(564 mm)	VVI
2482AN60	24 x 8 in	37.8 in	24.7 in	26.9 in	*
2402AN00	(600 x 200 mm)	(960 mm)	(627 mm)	(684 mm)	
2482AN6085B	24 x 8 in	31.5 in	23.7 in	23.8 in	ST
2402AN0003D	(600 x 200 mm)	(800 mm)	(603 mm)	(604 mm)	5
2482AN6065B	24 x 8 in	31.5 in	23.7 in	23.8 in	WT
2402/(N0000D	(600 x 200 mm)	(800 mm)	(603 mm)	(604 mm)	V V I
2483AN60	24 x 10 in	41.0 in	27.4 in	28.5 in	*
2403AN0U	(600 x 250 mm)	(1040 mm)	(696 mm)	(724 mm)	
2483AN6085B	24 x 10 in	34.7 in	26.1 in	25.4 in	ST
2400AN0000D	(600 x 250 mm)	(880 mm)	(664 mm)	(644 mm)	5
2483AN6065B	24 x 10 in	34.7 in	26.1 in	25.4 in	WT
2403AN0003B	(600 x 250 mm)	(880 mm)	(664 mm)	(644 mm)	VVI





ST & WT (INCLUDES 3 GASKETS)

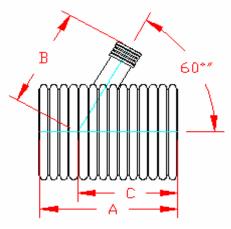


DRAWING #:	2365	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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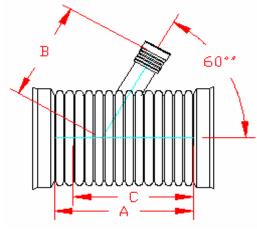
DUAL WALL FABRICATED 60° REDUCING WYES 24"×12" - 24"×18" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
2484AN60	24 x 12 in	44.1 in	33.3 in	30.1 in	*
210 17 11 100	(600 x 300 mm)	(1120 mm)	(847 mm)	(764 mm)	
2484AN6085B	24 x 12 in	27.8 in	31.4 in	26.9 in	ST
2404AIN0003D	(600 x 300 mm)	(706 mm)	(798 mm)	(684 mm)	5
2484AN6065B	24 x 12 in	27.8 in	31.4 in	26.9 in	WT
2404AN0003D	(600 x 300 mm)	(706 mm)	(798 mm)	(684 mm)	VVI
2405 ANICO	24 x 15 in	47.3 in	39.4 in	31.7 in	*
2485AN60	(600 x 375 mm)	(1200 mm)	(1000 mm)	(804 mm)	
2485AN6085B	24 x 15 in	41.0 in	36.8 in	28.5 in	ST
2463AN0063B	(600 x 375 mm)	(1040 mm)	(934 mm)	(724 mm)	31
2485AN6065B	24 x 15 in	41.0 in	36.8 in	28.5 in	WT
2403AN0003B	(600 x 375 mm)	(1040 mm)	(934 mm)	(724 mm)	VVI
2486AN60	24 x 18 in	50.4 in	40.2 in	33.2 in	*
2400AIN00	(600 x 450 mm)	(1280 mm)	(1020 mm)	(844 mm)	
2496 A NGO 95 D	24 x 18 in	44.1 in	37.5 in	30.1 in	ST
2486AN6085B	(600 x 450 mm)	(1120 mm)	(952 mm)	(764 mm)	31
2486AN6065B	24 x 18 in	44.1 in	37.5 in	30.1 in	WT
2400AIN0003B	(600 x 450 mm)	(1120 mm)	(952 mm)	(764 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



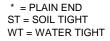
ST & WT (INCLUDES 3 GASKETS)

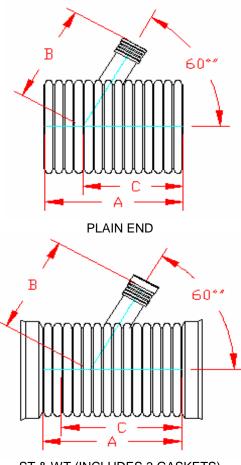


DRAWING #:	2365A	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 30"×4" - 30"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3080AN60	30 x 4 in	41.2 in	26.2 in	30.7 in	*
0000711100	(750 x 100 mm)	(1046 mm)	(665 mm)	(781 mm)	
3080AN6085B	30 x 4 in	33.0 in	25.5 in	26.6 in	ST
00007 (1 1 00000B	(750 x 100 mm)	(837 mm)	(649 mm)	(676 mm)	5
3080AN6065B	30 x 4 in	33.0 in	25.5 in	26.6 in	WT
3000AN0003B	(750 x 100 mm)	(837 mm)	(649 mm)	(676 mm)	VVI
3081AN60	30 x 6 in	41.2 in	27.2 in	30.7 in	*
300 IANOU	(750 x 150 mm)	(1046 mm)	(691 mm)	(781 mm)	
3081AN6085B	30 x 6 in	33.0 in	26.4 in	26.6 in	ST
3001AN0003D	(750 x 150 mm)	(837 mm)	(671 mm)	(676 mm)	5
3081AN6065B	30 x 6 in	33.0 in	26.4 in	26.6 in	WT
3001AN0003D	(750 x 150 mm)	(837 mm)	(671 mm)	(676 mm)	VVI
3082AN60	30 x 8 in	45.3 in	28.9 in	32.8 in	*
3002AN00	(750 x 200 mm)	(1151 mm)	(734 mm)	(833 mm)	
3082AN6085B	30 x 8 in	37.1 in	27.9 in	28.7 in	ST
3002AN0003B	(750 x 200 mm)	(942 mm)	(710 mm)	(728 mm)	5
3082AN6065B	30 x 8 in	37.1 in	27.9 in	28.7 in	WT
3002AI10003D	(750 x 200 mm)	(942 mm)	(710 mm)	(728 mm)	V V I
3083AN60	30 x 10 in	49.4 in	31.6 in	34.9 in	*
3003AN00	(750 x 250 mm)	(1256 mm)	(803 mm)	(885 mm)	
3083AN6085B	30 x 10 in	45.3 in	30.3 in	30.7 in	ST
JUOJANUUOJD	(750 x 250 mm)	(1151 mm)	(771 mm)	(781 mm)	5
3083AN6065B	30 x 10 in	45.3 in	30.3 in	30.7 in	WT
JUOJANUUUJD	(750 x 250 mm)	(1151 mm)	(771 mm)	(781 mm)	VVI





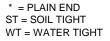
ST & WT (INCLUDES 3 GASKETS)

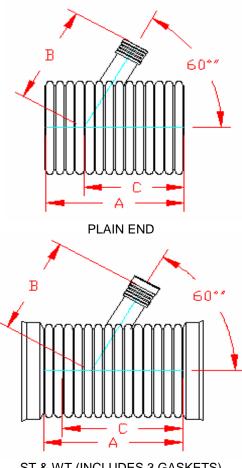


DRAWING #:	2370	
DRAWN BY:	JCB	06.14.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 30"×12" - 30"×24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3084AN60	30 x 12 in	53.6 in	37.5 in	36.9 in	*
000 17 11 100	(750 x 300 mm)	(1360 mm)	(954 mm)	(938 mm)	
3084AN6085B	30 x 12 in	45.3 in	35.6 in	32.8 in	ST
00047 (I 10 0000B	(750 x 300 mm)	(1151 mm)	(905 mm)	(833 mm)	5
3084AN6065B	30 x 12 in	45.3 in	35.6 in	32.8 in	WT
3004AN0003D	(750 x 300 mm)	(1151 mm)	(905 mm)	(833 mm)	V V 1
3085AN60	30 x 15 in	53.6 in	43.6 in	36.9 in	*
SUOSANOU	(750 x 375 mm)	(1360 mm)	(1107 mm)	(938 mm)	
3085AN6085B	30 x 15 in	45.3 in	41.0 in	32.8 in	ST
SUOSANOUOSE	(750 x 375 mm)	(1151 mm)	(1041 mm)	(833 mm)	5
3085AN6065B	30 x 15 in	45.3 in	41.0 in	32.8 in	WT
3000AN0000D	(750 x 375 mm)	(1151 mm)	(1041 mm)	(833 mm)	VVI
3086AN60	30 x 18 in	57.7 in	44.4 in	39.0 in	*
SUODAINOU	(750 x 450 mm)	(1465 mm)	(1127 mm)	(990 mm)	
3086AN6085B	30 x 18 in	49.4 in	41.7 in	34.9 in	ST
SUCCENTION	(750 x 450 mm)	(1256 mm)	(1059 mm)	(885 mm)	5
3086AN6065B	30 x 18 in	49.4 in	41.7 in	34.9 in	WT
3000AN0003D	(750 x 450 mm)	(1256 mm)	(1059 mm)	(885 mm)	VVI
3087AN60	30 x 24 in	65.9 in	48.6 in	43.1 in	*
3007 ANOU	(750 x 600 mm)	(1674 mm)	(1235 mm)	(1094 mm)	
3087AN6085B	30 x 24 in	57.7 in	45.5 in	39.0 in	ST
3007 AN0003D	(750 x 600 mm)	(1465 mm)	(1155 mm)	(990 mm)	5
3087AN6065B	30 x 24 in	57.7 in	45.5 in	39.0 in	WT
JUOT AINUUUSD	(750 x 600 mm)	(1465 mm)	(1155 mm)	(990 mm)	VVI





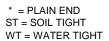
ST & WT (INCLUDES 3 GASKETS)

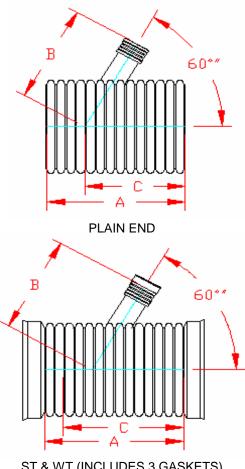


DRAWING #:	2370A	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 36"×4" - 36"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3680AN60	36 x 4 in	52.5 in	30.0 in	38.3 in	*
0000711100	(900 x 100 mm)	(1334 mm)	(762 mm)	(972 mm)	
3680AN6085B	36 x 4 in	42.0 in	29.4 in	33.0 in	ST
3000AI10003B	(900 x 100 mm)	(1067 mm)	(745 mm)	(839 mm)	5
3680AN6065B	36 x 4 in	42.0 in	29.4 in	33.0 in	WT
3000AN0003D	(900 x 100 mm)	(1067 mm)	(745 mm)	(839 mm)	VV 1
2694 A NGO	36 x 6 in	52.5 in	31.0 in	38.3 in	*
3681AN60	(900 x 150 mm)	(1334 mm)	(787 mm)	(972 mm)	
3681AN6085B	36 x 6 in	42.0 in	30.2 in	33.0 in	ST
3001AN0003B	(900 x 150 mm)	(1067 mm)	(768 mm)	(839 mm)	5
3681AN6065B	36 x 6 in	42.0 in	30.2 in	33.0 in	WT
300 IAN0003B	(900 x 150 mm)	(1067 mm)	(768 mm)	(839 mm)	VVI
3682AN60	36 x 8 in	57.8 in	32.7 in	40.9 in	*
3002AN0U	(900 x 200 mm)	(1467 mm)	(831 mm)	(1039 mm)	
3682AN6085B	36 x 8 in	47.3 in	31.8 in	35.7 in	ST
3002AN0003B	(900 x 200 mm)	(1200 mm)	(806 mm)	(906 mm)	5
3682AN6065B	36 x 8 in	47.3 in	31.8 in	35.7 in	WT
3002AN0003B	(900 x 200 mm)	(1200 mm)	(806 mm)	(906 mm)	V V 1
3683AN60	36 x 10 in	57.8 in	35.4 in	40.9 in	*
3003AN00	(900 x 250 mm)	(1467 mm)	(899 mm)	(1039 mm)	
3683AN6085B	36 x 10 in	47.3 in	34.2 in	35.7 in	ST
JUOJANUUOJD	(900 x 250 mm)	(1200 mm)	(867 mm)	(906 mm)	5
3683AN6065B	36 x 10 in	47.3 in	34.2 in	35.7 in	WT
JUOJANUUUJD	(900 x 250 mm)	(1200 mm)	(867 mm)	(906 mm)	V V I





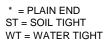


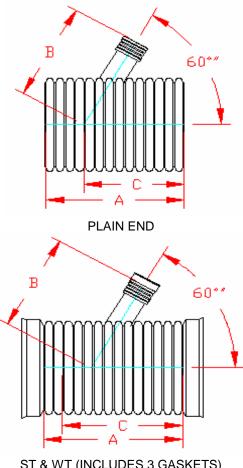


DRAWING #:	2375	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 36"×12" - 36"×24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3684AN60	36 x 12 in	63.0 in	41.4 in	43.5 in	*
3004/1100	(900 x 300 mm)	(1600 mm)	(1050 mm)	(1106 mm)	
3684AN6085B	36 x 12 in	52.5 in	39.4 in	38.3 in	ST
3004AN0U03D	(900 x 300 mm)	(1334 mm)	(1002 mm)	(972 mm)	5
3684AN6065B	36 x 12 in	52.5 in	39.4 in	38.3 in	WT
3004AN0003D	(900 x 300 mm)	(1334 mm)	(1002 mm)	(972 mm)	VV 1
3685AN60	36 x 15 in	63.0 in	47.4 in	43.5 in	*
SOOSANOU	(900 x 375 mm)	(1600 mm)	(1203 mm)	(1106 mm)	
3685AN6085B	36 x 15 in	52.5 in	44.8 in	38.3 in	ST
SOOSANOOSB	(900 x 375 mm)	(1334 mm)	(1138 mm)	(972 mm)	5
3685AN6065B	36 x 15 in	52.5 in	44.8 in	38.3 in	WT
3000AN0000D	(900 x 375 mm)	(1334 mm)	(1138 mm)	(972 mm)	VVI
3686AN60	36 x 18 in	68.3 in	48.2 in	46.2 in	*
3000AN00	(900 x 450 mm)	(1734 mm)	(1224 mm)	(1172 mm)	
3686AN6085B	36 x 18 in	57.8 in	45.5 in	40.9 in	ST
3000AN0003B	(900 x 450 mm)	(1467 mm)	(1156 mm)	(1039 mm)	5
3686AN6065B	36 x 18 in	57.8 in	45.5 in	40.9 in	WT
3000AN0003D	(900 x 450 mm)	(1467 mm)	(1156 mm)	(1039 mm)	V V 1
3687AN60	36 x 24 in	78.8 in	52.4 in	51.4 in	*
3007 ANOU	(900 x 600 mm)	(2000 mm)	(1331 mm)	(1306 mm)	
3687AN6085B	36 x 24 in	68.3 in	49.3 in	46.2 in	ST
JUOT AINUUOSD	(900 x 600 mm)	(1734 mm)	(1251 mm)	(1172 mm)	31
3687AN6065B	36 x 24 in	68.3 in	49.3 in	46.2 in	WT
JUOTAINUUUSD	(900 x 600 mm)	(1734 mm)	(1251 mm)	(1172 mm)	VVI





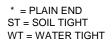
ST & WT (INCLUDES 3 GASKETS)

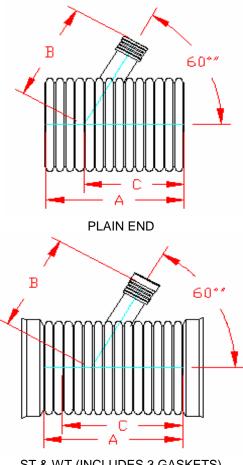


DRAWING #:	2375A	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED 60° REDUCING WYES 42"x4" - 42"x10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4280AN60	42 x 4 in	51.9 in	33.5 in	39.7 in	*
4200/11100	(1050 x 100 mm)	(1318 mm)	(850 mm)	(1009 mm)	
4280AN6085B	42 x 4 in	41.5 in	32.8 in	34.5 in	ST
4200AN0003D	(1050 x 100 mm)	(1055 mm)	(833 mm)	(877 mm)	5
4280AN6065B	42 x 4 in	41.5 in	32.8 in	34.5 in	WT
4200AN0003B	(1050 x 100 mm)	(1055 mm)	(833 mm)	(877 mm)	VVI
4281AN60	42 x 6 in	51.9 in	34.5 in	39.7 in	*
428 IANOU	(1050 x 150 mm)	(1318 mm)	(875 mm)	(1009 mm)	
4281AN6085B	42 x 6 in	41.5 in	33.7 in	34.5 in	ST
4201AN0003B	(1050 x 150 mm)	(1055 mm)	(856 mm)	(877 mm)	5
4281AN6065B	42 x 6 in	41.5 in	33.7 in	34.5 in	WT
4201AN0003B	(1050 x 150 mm)	(1055 mm)	(856 mm)	(877 mm)	VVI
4282AN60	42 x 8 in	57.1 in	36.2 in	42.3 in	*
4202ANOU	(1050 x 200 mm)	(1450 mm)	(919 mm)	(1075 mm)	
4282AN6085B	42 x 8 in	46.7 in	35.2 in	37.1 in	ST
4202AN0003B	(1050 x 200 mm)	(1186 mm)	(894 mm)	(943 mm)	5
4282AN6065B	42 x 8 in	46.7 in	35.2 in	37.1 in	WT
4202AN0003B	(1050 x 200 mm)	(1186 mm)	(894 mm)	(943 mm)	VVI
4283AN60	42 x 10 in	57.1 in	38.9 in	42.3 in	*
4203AN00	(1050 x 250 mm)	(1450 mm)	(987 mm)	(1075 mm)	
4283AN6085B	42 x 10 in	46.7 in	37.6 in	37.1 in	ST
4200AN0000D	(1050 x 250 mm)	(1186 mm)	(955 mm)	(943 mm)	5
4283AN6065B	42 x 10 in	46.7 in	37.6 in	37.1 in	WT
4200AN0000D	(1050 x 250 mm)	(1186 mm)	(955 mm)	(943 mm)	V V I





ST & WT (INCLUDES 3 GASKETS)

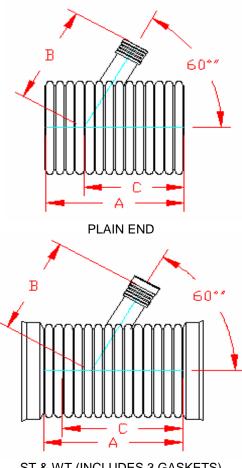


DRAWING #:	2380	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 42"x12" - 42"x24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4284AN60	42 x 12 in	62.3 in	44.8 in	44.9 in	*
	(1050 x 300 mm)	(1582 mm)	(1138 mm)	(1140 mm)	
4284AN6085B	42 x 12 in	51.9 in	42.9 in	39.7 in	ST
	(1050 x 300 mm)	(1318 mm)	(1089 mm)	(1009 mm)	
4284AN6065B	42 x 12 in	51.9 in	42.8 in	39.7 in	WT
42047 (1 10 0000B	(1050 x 300 mm)	(1318 mm)	(1087 mm)	(1009 mm)	***
4285AN60	42 x 15 in	62.3 in	50.8 in	44.9 in	*
4200AN00	(1050 x 375 mm)	(1582 mm)	(1291 mm)	(1140 mm)	
4285AN6085B	42 x 15 in	51.9 in	48.3 in	39.7 in	ST
4200AN0000D	(1050 x 375 mm)	(1318 mm)	(1226 mm)	(1009 mm)	31
4005 A N COOED	42 x 15 in	51.9 in	48.3 in	39.7 in	\A/ T
4285AN6085B	(1050 x 375 mm)	(1318 mm)	(1226 mm)	(1009 mm)	WT
40004100	42 x 18 in	67.5 in	51.7 in	47.5 in	*
4286AN60	(1050 x 450 mm)	(1714 mm)	(1312 mm)	(1207 mm)	
4000 A N 000 F D	42 x 18 in	57.1 in	49.0 in	42.3 in	СТ
4286AN6085B	(1050 x 450 mm)	(1450 mm)	(1244 mm)	(1075 mm)	ST
4286AN6065B	42 x 18 in	57.1 in	49.0 in	42.3 in	WT
4200AIN0003D	(1050 x 450 mm)	(1450 mm)	(1244 mm)	(1075 mm)	VVI
40074100	42 x 24 in	77.9 in	55.9 in	52.7 in	*
4287AN60	(1050 x 600 mm)	(1977 mm)	(1419 mm)	(1338 mm)	
4007ANC005D	42 x 24 in	67.5 in	52.7 in	49.5 in	CT
4287AN6085B	(1050 x 600 mm)	(1714 mm)	(1339 mm)	(1258 mm)	ST
4007ANC0CED	42 x 24 in	67.5 in	52.7 in	49.5 in	\A/ T
4287AN6065B	(1050 x 600 mm)	(1714 mm)	(1339 mm)	(1258 mm)	WT

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



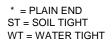
ST & WT (INCLUDES 3 GASKETS)

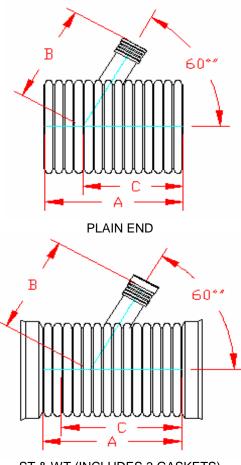


DRAWING #:	2380A	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED 60° REDUCING WYES 48"×4" - 48"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4880AN60	48 x 4 in	52.5 in	36.9 in	41.7 in	*
.000, 100	(1200 x 100 mm)	(1334 mm)	(937 mm)	(1060 mm)	
4880AN6085B	48 x 4 in	42.0 in	36.2 in	36.5 in	ST
4000AN0003D	(1200 x 100 mm)	(1067 mm)	(920 mm)	(926 mm)	5
4880AN6065B	48 x 4 in	42.0 in	36.2 in	36.5 in	WT
4000AN0003D	(1200 x 100 mm)	(1067 mm)	(920 mm)	(926 mm)	V
4004 A NCO	48 x 6 in	52.5 in	37.9 in	41.7 in	*
4881AN60	(1200 x 150 mm)	(1334 mm)	(962 mm)	(1060 mm)	
4881AN6085B	48 x 6 in	42.0 in	37.1 in	36.5 in	ST
400 IAN0000D	(1200 x 150 mm)	(1067 mm)	(942 mm)	(926 mm)	5
4881AN6065B	48 x 6 in	42.0 in	37.1 in	36.5 in	WT
400 I ANOUOSB	(1200 x 150 mm)	(1067 mm)	(942 mm)	(926 mm)	VVI
4882AN60	48 x 8 in	57.8 in	39.6 in	44.3 in	*
400ZAINOU	(1200 x 200 mm)	(1467 mm)	(1005 mm)	(1126 mm)	
4882AN6085B	48 x 8 in	47.3 in	38.6 in	39.1 in	ST
4002AN0003B	(1200 x 200 mm)	(1200 mm)	(981 mm)	(993 mm)	5
4882AN6065B	48 x 8 in	47.3 in	38.6 in	39.1 in	WT
4002AN0003B	(1200 x 200 mm)	(1200 mm)	(981 mm)	(993 mm)	VVI
4883AN60	48 x 10 in	57.8 in	42.3 in	44.3 in	*
4003AN00	(1200 x 250 mm)	(1467 mm)	(2 mm)	(1126 mm)	
4883AN6085B	48 x 10 in	47.3 in	41.0 in	39.1 in	ST
4003AN0U85B	(1200 x 250 mm)	(1200 mm)	(1042 mm)	(993 mm)	5
4883AN6065B	48 x 10 in	47.3 in	41.0 in	39.9 in	WT
4000AN0000D	(1200 x 250 mm)	(1200 mm)	(1042 mm)	(1013 mm)	VVI





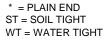
ST & WT (INCLUDES 3 GASKETS)

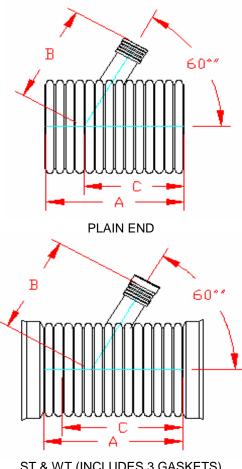


DRAWING #:	2385	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED 60° REDUCING WYES 48"×12" - 48"×24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4884AN60	48 x 12 in	63.0 in	48.2 in	47.0 in	*
100 17 11 100	(1200 x 300 mm)	(1600 mm)	(1225 mm)	(1193 mm)	
4884AN6085B	48 x 12 in	52.5 in	46.3 in	41.7 in	ST
4004/110003D	(1200 x 300 mm)	(1334 mm)	(1176 mm)	(1060 mm)	5
4884AN6065B	48 x 12 in	52.5 in	46.3 in	41.7 in	WT
4004AN0003D	(1200 x 300 mm)	(1334 mm)	(1176 mm)	(1060 mm)	VVI
4005 A NICO	48 x 15 in	63.0 in	54.2 in	47.0 in	*
4885AN60	(1200 x 375 mm)	(1600 mm)	(1378 mm)	(1193 mm)	
4885AN6085B	48 x 15 in	52.5 in	51.7 in	41.7 in	ST
4000AIN0000D	(1200 x 375 mm)	(1334 mm)	(1312 mm)	(1060 mm)	31
4885AN6065B	48 x 15 in	52.5 in	51.7 in	41.7 in	WT
4000AIN0000D	(1200 x 375 mm)	(1334 mm)	(1312 mm)	(1060 mm)	VVI
400CANCO	48 x 18 in	68.3 in	55.1 in	49.6 in	*
4886AN60	(1200 x 450 mm)	(1734 mm)	(1399 mm)	(1260 mm)	
4006 A NGO0ED	48 x 18 in	57.8 in	52.4 in	44.3 in	ST
4886AN6085B	(1200 x 450 mm)	(1467 mm)	(1330 mm)	(1126 mm)	31
4886AN6065B	48 x 18 in	57.8 in	52.4 in	44.3 in	WT
4000AN0003B	(1200 x 450 mm)	(1467 mm)	(1330 mm)	(1126 mm)	VVI
40074100	48 x 24 in	78.8 in	59.3 in	54.8 in	*
4887AN60	(1200 x 600 mm)	(2000 mm)	(1506 mm)	(1393 mm)	
4007ANG005D	48 x 24 in	68.3 in	56.1 in	49.6 in	ST
4887AN6085B	(1200 x 600 mm)	(1734 mm)	(1426 mm)	(1260 mm)	31
4007ANG06ED	48 x 24 in	68.3 in	56.1 in	49.6 in	WT
4887AN6065B	(1200 x 600 mm)	(1734 mm)	(1426 mm)	(1260 mm)	VVI





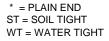
ST & WT (INCLUDES 3 GASKETS)

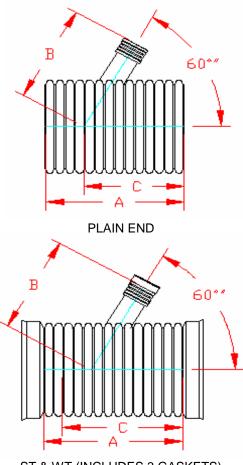


DRAWING #:	2385A	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 60"×4" - 60"×10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
6080AN60	60 x 4 in	54.0 in	44.2 in	46.1 in	*
0000AI100	(1500 x 100 mm)	(1372 mm)	(1123 mm)	(1172 mm)	
6080AN6085B	60 x 4 in	42.0 in	43.6 in	40.1 in	ST
00007110003D	(1500 x 100 mm)	(1067 mm)	(1106 mm)	(1019 mm)	51
6080AN6065B	60 x 4 in	42.0 in	43.6 in	40.1 in	WT
0000AN0003B	(1500 x 100 mm)	(1067 mm)	(1106 mm)	(1019 mm)	VVI
COO4 A NICO	60 x 6 in	60.0 in	45.2 in	49.1 in	*
6081AN60	(1500 x 150 mm)	(1524 mm)	(1148 mm)	(1248 mm)	
6081AN6085B	60 x 6 in	48.0 in	44.4 in	43.1 in	ST
0001AN0003B	(1500 x 150 mm)	(1219 mm)	(1129 mm)	(1096 mm)	5
6081AN6065B	60 x 6 in	48.0 in	44.4 in	43.1 in	WT
0001AN0003B	(1500 x 150 mm)	(1219 mm)	(1129 mm)	(1096 mm)	VVI
6082AN60	60 x 8 in	60.0 in	46.9 in	49.1 in	*
DUOZAINDU	(1500 x 200 mm)	(1524 mm)	(1192 mm)	(1248 mm)	
6082AN6085B	60 x 8 in	48.0 in	46.0 in	43.1 in	ST
0002AN0003B	(1500 x 200 mm)	(1219 mm)	(1167 mm)	(1096 mm)	5
6082AN6065B	60 x 8 in	48.0 in	46.0 in	43.1 in	WT
0002AN0003B	(1500 x 200 mm)	(1219 mm)	(1167 mm)	(1096 mm)	V V 1
6083AN60	60 x 10 in	66.0 in	49.6 in	52.1 in	*
0003AN00	(1500 x 250 mm)	(1676 mm)	(2 mm)	(1324 mm)	
6083AN6085B	60 x 10 in	54.0 in	48.4 in	46.1 in	ST
OOOOANOOOOD	(1500 x 250 mm)	(1372 mm)	(1228 mm)	(1172 mm)	5
6083AN6065B	60 x 10 in	54.0 in	48.4 in	46.1 in	WT
000071100000	(1500 x 250 mm)	(1372 mm)	(1228 mm)	(1172 mm)	VVI





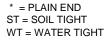
ST & WT (INCLUDES 3 GASKETS)

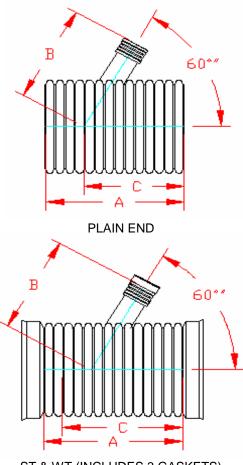


DRAWING #:	2390	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED 60° REDUCING WYES 60"×12" - 60"×24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
6084AN60	60 x 12 in	66.0 in	55.6 in	52.1 in	*
000-17 (1100	(1500 x 300 mm)	(1676 mm)	(1411 mm)	(1324 mm)	
6084AN6085B	60 x 12 in	54.0 in	53.6 in	46.1 in	ST
0004AN0003B	(1500 x 300 mm)	(1372 mm)	(1362 mm)	(1172 mm)	5
6084AN6065B	60 x 12 in	54.0 in	53.6 in	46.1 in	WT
0004AN0003B	(1500 x 300 mm)	(1372 mm)	(1362 mm)	(1172 mm)	VV 1
6085AN60	60 x 15 in	72.0 in	61.6 in	55.1 in	*
DONIACOUD	(1500 x 375 mm)	(1829 mm)	(1564 mm)	(1400 mm)	
6085AN6085B	60 x 15 in	60.0 in	59.0 in	49.1 in	ST
OUOSANOUOSB	(1500 x 375 mm)	(1524 mm)	(1498 mm)	(1248 mm)	31
6085AN6065B	60 x 15 in	60.0 in	59.0 in	49.1 in	WT
0000AN00000B	(1500 x 375 mm)	(1524 mm)	(1498 mm)	(1248 mm)	VVI
6086AN60	60 x 18 in	78.0 in	62.4 in	58.1 in	*
DUODAINDU	(1500 x 450 mm)	(1981 mm)	(1585 mm)	(1477 mm)	
6086AN6085B	60 x 18 in	66.0 in	59.7 in	52.1 in	ST
OUOOANOUOSB	(1500 x 450 mm)	(1676 mm)	(1517 mm)	(1324 mm)	5
6086AN6065B	60 x 18 in	66.0 in	59.7 in	52.1 in	WT
0000AN0003B	(1500 x 450 mm)	(1676 mm)	(1517 mm)	(1324 mm)	V V 1
6087AN60	60 x 24 in	84.0 in	66.6 in	61.1 in	*
0007 ANOU	(1500 x 600 mm)	(2134 mm)	(1692 mm)	(1553 mm)	
6087AN6085B	60 x 24 in	72.0 in	63.5 in	55.1 in	ST
000771100000	(1500 x 600 mm)	(1829 mm)	(1612 mm)	(1400 mm)	5
6087AN6065B	60 x 24 in	72.0 in	63.5 in	55.1 in	WT
0007 AN0003B	(1500 x 600 mm)	(1829 mm)	(1612 mm)	(1400 mm)	VVI





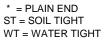
ST & WT (INCLUDES 3 GASKETS)

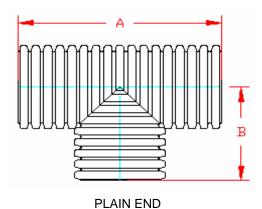


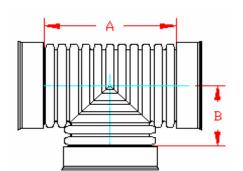
DRAWING #:	2390A	
DRAWN BY:	JCB	04.20.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED TEES 12" - 30" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
1264AN	12 in (300 mm)	30.7 in (780 mm)	15.4 in (390 mm)	*
1264AN85B	12 in (300 mm)	21.1 in (536 mm)	10.6 in (268 mm)	ST
1264AN65B	12 in (300 mm)	21.1 in (536 mm)	10.6 in (268 mm)	WT
1565AN	15 in (375 mm)	38.9 in (987 mm)	19.4 in (494 mm)	*
1565AN85B	15 in (375 mm)	23.3 in (592 mm)	11.7 in (296 mm)	ST
1565AN65B	15 in (375 mm)	23.3 in (592 mm)	11.7 in (296 mm)	WT
1866AN	18 in (450 mm)	42.9 in (1089 mm)	21.4 in (545 mm)	*
1866AN85B	18 in (450 mm)	26.8 in (681 mm)	13.4 in (340 mm)	ST
1866AN65B	18 in (450 mm)	26.8 in (681 mm)	13.4 in (340 mm)	WT
2467AN	24 in (600 mm)	50.4 in (1280 mm)	25.2 in (640 mm)	*
2467AN85B	24 in (600 mm)	37.8 in (960 mm)	18.9 in (480 mm)	ST
2467AN65B	24 in (600 mm)	37.8 in (960 mm)	18.9 in (480 mm)	WT
3068AN	30 in (750 mm)	65.9 in (1674 mm)	33.0 in (837 mm)	*
3068AN85B	30 in (750 mm)	49.4 in (1256 mm)	24.7 in (628 mm)	ST
3068AN65B	30 in (750 mm)	49.4 in (1256 mm)	24.7 in (628 mm)	WT







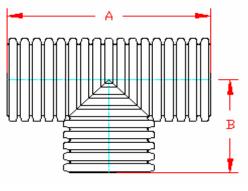
ST & WT (INCLUDES 3 GASKETS)



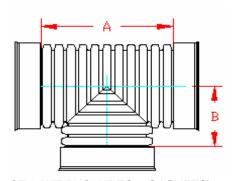
DRAWING #:	2400	
DRAWN BY:	JCB	05.23.07
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED TEES 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3669AN	36 in (900 mm)	78.8 in (2000 mm)	34.4 in (873 mm)	*
3669AN85B	36 in (900 mm)	58.0 in (1473 mm)	29.0 in (737 mm)	ST
3669AN65B	36 in (900 mm)	58.0 in (1473 mm)	29.0 in (737 mm)	WT
4251AN	42 in (1050 mm)	71.9 in (1826 mm)	36.0 in (914 mm)	*
4251AN85B	42 in (1050 mm)	62.2 in (1580 mm)	31.1 in (790 mm)	ST
4251AN65BB	42 in (1050 mm)	62.2 in (1580 mm)	31.1 in (790 mm)	WT
4851AN	48 in (1200 mm)	78.5 in (1994 mm)	39.3 in (998 mm)	*
4851AN85B	48 in (1200 mm)	68.2 in (1733 mm)	36.7 in (933 mm)	ST
4851AN65BB	48 in (1200 mm)	68.2 in (1733 mm)	36.7 in (933 mm)	WT
6051AN	60 in (1500 mm)	90.0 in (2286 mm)	45.0 in (1143 mm)	*
6051AN85B	60 in (1500 mm)	90.0 in (2286 mm)	45.0 in (1143 mm)	ST
6051AN65BB	60 in (1500 mm)	90.0 in (2286 mm)	45.0 in (1143 mm)	WT



PLAIN END



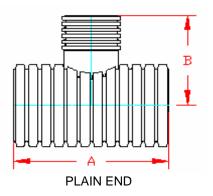
ST & WT (INCLUDES 3 GASKETS)

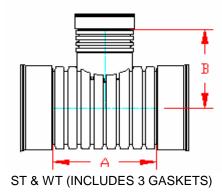


DRAWING #:	2400A	
DRAWN BY:	JCB	05.22.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 12"×4" - 12"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
1260AN	12 x 4 in (300 x 100 mm)	21.1 in (536 mm)	13.6 in (345 mm)	*
1260AN85B	12 x 4 in (300 x 100 mm)	13.4 in (341 mm)	12.3 in (312 mm)	ST
1260AN65B	12 x 4 in (300 x 100 mm)	13.4 in (341 mm)	12.3 in (312 mm)	WT
1261AN	12 x 6 in (300 x 150 mm)	23.0 in (585 mm)	14.5 in (368 mm)	*
1261AN85B	12 x 6 in (300 x 150 mm)	15.4 in (390 mm)	12.9 in (329 mm)	ST
1261AN65B	12 x 6 in (300 x 150 mm)	15.4 in (390 mm)	12.9 in (329 mm)	WT
1262AN	12 x 8 in (300 x 200 mm)	25.0 in (634 mm)	17.0 in (432 mm)	*
1262AN85B	12 x 8 in (300 x 200 mm)	17.3 in (439 mm)	15.1 in (383 mm)	ST
1262AN65B	12 x 8 in (300 x 200 mm)	17.3 in (439 mm)	15.1 in (383 mm)	WT
1263AN	12 x 10 in (300 x 250 mm)	26.9 in (683 mm)	16.4 in (416 mm)	*
1263AN85B	12 x 10 in (300 x 250 mm)	19.2 in (488 mm)	13.9 in (352 mm)	ST
1263AN65B	12 x 10 in (300 x 250 mm)	19.2 in (488 mm)	13.9 in (352 mm)	WT





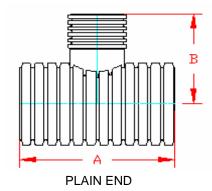


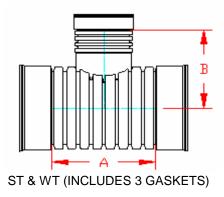
DRAWING #:	2405	
DRAWN BY:	NJP	08.31.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 15"x4" - 15"x12 DIAMETER

PART#	PIPE SIZE	А	В	JOINT
1560AN	15 x 4 in	25.9 in	15.1 in	*
	(375 x 100 mm)	(658 mm)	(384 mm)	
1560AN85B	15 x 4 in	15.5 in	13.8 in	ST
	(375 x 100 mm) 15 x 4 in	(395 mm)	(350 mm)	
1560AN65B		15.5 in	13.8 in	WT
	(375 x 100 mm)	(395 mm)	(350 mm)	
1561AN	15 x 6 in	28.5 in	16.1 in	*
	(375 x 150 mm) 15 x 6 in	(724 mm)	(409 mm)	
1561AN85B		18.1 in	14.6 in	ST
	(375 x 150 mm) 15 x 6 in	(461 mm) 18.1 in	(370 mm) 14.6 in	
1561AN65B				WT
	(375 x 150 mm) 15 x 8 in	(461 mm) 31.1 in	(370 mm) 18.8 in	
1562AN				*
	(375 x 200 mm) 15 x 8 in	(789 mm) 20.7 in	(479 mm) 16.9 in	
1562AN85B	(375 x 200 mm)	(526 mm)	(430 mm)	ST
	15 x 8 in	20.7 in	16.9 in	
1562AN65B	(375 x 200 mm)	(526 mm)	(430 mm)	WT
	15 x 10 in	33.7 in	18.8 in	
1563AN	(375 x 250 mm)	(855 mm)	(477 mm)	*
	15 x 10 in	23.3 in	16.3 in	
1563AN85B	(375 x 250 mm)	(592 mm)	(413 mm)	ST
	15 x 10 in	23.3 in	16.3 in	
1563AN65B	(375 x 250 mm)	(592 mm)	(413 mm)	WT
	15 x 12 in	36.3 in	18.0 in	
1564AN	(375 x 300 mm)	(921 mm)	(457 mm)	*
4504411055	15 x 12 in	25.9 in	14.1 in	ОТ
1564AN85B	(375 x 300 mm)	(658 mm)	(359 mm)	ST
1564AN65B	15 x 12 in	25.9 in	14.1 in	WT
1004AN00D	(375 x 300 mm)	(658 mm)	(359 mm)	VVI

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





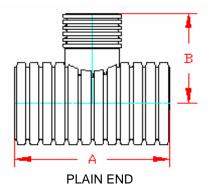


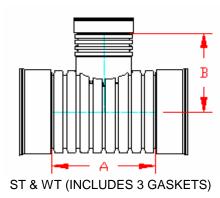
DRAWING #:	2410	
DRAWN BY:	JCB	04.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 18"×4" - 18"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
1860AN	18 x 4 in (450 x 100 mm)	26.8 in (681 mm)	16.7 in (424 mm)	*
1860AN85B	18 x 4 in (450 x 100 mm)	16.1 in (408 mm)	15.4 in (391 mm)	ST
1860AN65B	18 x 4 in (450 x 100 mm)	16.1 in (408 mm)	15.4 in (391 mm)	WT
1861AN	18 x 6 in (450 x 150 mm)	29.5 in (749 mm)	17.8 in (452 mm)	*
1861AN85B	18 x 6 in (450 x 150 mm)	18.8 in (477 mm)	16.3 in (413 mm)	ST
1861AN65B	18 x 6 in (450 x 150 mm)	18.8 in (477 mm)	16.3 in (413 mm)	WT
1862AN	18 x 8 in (450 x 200 mm)	32.2 in (817 mm)	20.7 in (525 mm)	*
1862AN85B	18 x 8 in (450 x 200 mm)	21.4 in (545 mm)	18.7 in (476 mm)	ST
1862AN65B	18 x 8 in (450 x 200 mm)	21.4 in (545 mm)	18.7 in (476 mm)	WT
1863AN	18 x 10 in (450 x 250 mm)	34.8 in (885 mm)	20.8 in (529 mm)	*
1863AN85B	18 x 10 in (450 x 250 mm)	24.1 in (613 mm)	18.3 in (465 mm)	ST
1863AN65B	18 x 10 in (450 x 250 mm)	24.1 in (613 mm)	18.3 in (465 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





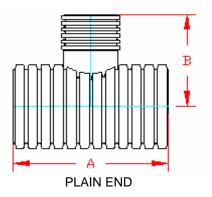


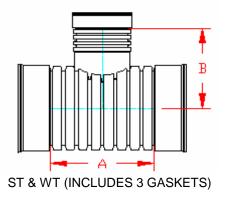
DRAWING #:	2415	
DRAWN BY:	JCB	04.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 18"×12" - 18"×15" DIAMETER

PART #	PIPE SIZE	А	В	JOINT
1864AN	18 x 12 in (450 x 300 mm)	37.5 in (953 mm)	19.3 in (490 mm)	*
1864AN85B	18 x 12 in (450 x 300 mm)	26.8 in (681 mm)	15.5 in (393 mm)	ST
1864AN65B	18 x 12 in (450 x 300 mm)	26.8 in (681 mm)	15.5 in (393 mm)	WT
1865AN	18 x 15 in (450 x 375 mm)	40.2 in (1021 mm)	22.8 in (578 mm)	*
1865AN85B	18 x 15 in (450 x 1375mm)	29.5 in (749 mm)	17.6 in (446 mm)	ST
1865AN65B	18 x 15 in (450 x 375 mm)	29.5 in (749 mm)	17.6 in (446 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



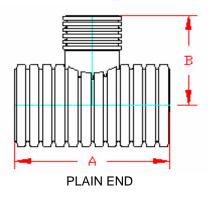


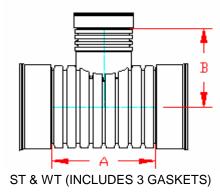


DRAWING #:	2415A	
DRAWN BY:	NJP	08.31.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 24"×4" - 24"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
2460AN	24 x 4 in (600 x 100 mm)	31.5 in (800 mm)	19.8 in (503 mm)	*
2460AN85B	24 x 4 in (600 x 100 mm)	18.9 in (480 mm)	18.5 in (469 mm)	ST
2460AN65B	24 x 4 in (600 x 100 mm)	18.9 in (480 mm)	18.5 in (469 mm)	WT
2461AN	24 x 6 in (600 x 150 mm)	34.7 in (880 mm)	21.0 in (533 mm)	*
2461AN85B	24 x 6 in (600 x 150 mm)	22.1 in (560 mm)	19.4 in (494 mm)	ST
2461AN65B	24 x 6 in (600 x 150 mm)	22.1 in (560 mm)	19.4 in (494 mm)	WT
2462AN	24 x 8 in (600 x 200 mm)	34.7 in (880 mm)	24.0 in (609 mm)	*
2462AN85B	24 x 8 in (600 x 200 mm)	22.1 in (560 mm)	22.0 in (560 mm)	ST
2462AN65B	24 x 8 in (600 x 200 mm)	22.1 in (560 mm)	22.0 in (560 mm)	WT
2463AN	24 x 10 in (600 x 250 mm)	37.8 in (960 mm)	24.3 in (618 mm)	*
2463AN85B	24 x 10 in (600 x 250 mm)	25.2 in (640 mm)	21.8 in (554 mm)	ST
2463AN65B	24 x 10 in (600 x 250 mm)	25.2 in (640 mm)	21.8 in (554 mm)	WT





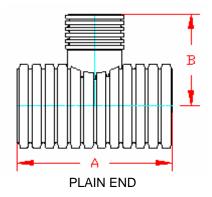


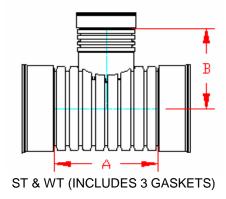
DRAWING #:	2420	
DRAWN BY:	NJP	09.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 24"×12" - 24"×18" DIAMETER

PART #	PIPE SIZE	А	В	JOINT
2464AN	24 x 12 in (600 x 300 mm)	41.0 in (1040 mm)	23.1 in (587 mm)	*
2464AN85B	24 x 12 in (600 x 300 mm)	28.4 in (720 mm)	19.3 in (489 mm)	ST
2464AN65B	24 x 12 in (600 x 300 mm)	28.4 in (720 mm)	19.3 in (489 mm)	WT
2465AN	24 x 15 in (600 x 375 mm)	44.1 in (1120 mm)	26.6 in (674 mm)	*
2465AN85B	24 x 15 in (600 x 375 mm)	31.5 in (800 mm)	21.4 in (543 mm)	ST
2465AN65B	24 x 15 in (600 x 375 mm)	31.5 in (800 mm)	21.4 in (543 mm)	WT
2466AN	24 x 18 in (600 x 450 mm)	47.3 in (1200 mm)	26.6 in (674 mm)	*
2466AN85B	24 x 18 in (600 x 450 mm)	34.7 in (880 mm)	21.2 in (538 mm)	ST
2466AN65B	24 x 18 in (600 x 450 mm)	34.7 in (880 mm)	21.2 in (538 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



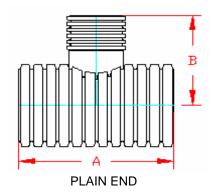


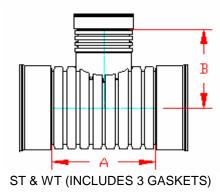


DRAWING #:	2420A	
DRAWN BY:	JCB	04.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 30"×4" - 30"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3060AN	30 x 4 in (750 x 100 mm)	41.2 in (1046 mm)	23.8 in (604 mm)	*
3060AN85B	30 x 4 in (750 x 100 mm)	24.7 in (627 mm)	22.5 in (571 mm)	ST
3060AN65B	30 x 4 in (750 x 100 mm)	24.7 in (627 mm)	22.5 in (571 mm)	WT
3061AN	30 x 6 in (750 x 150 mm)	41.2 in (1046 mm)	25.0 in (636 mm)	*
3061AN85B	30 x 6 in (750 x 150 mm)	24.7 in (628 mm)	23.5 in (596 mm)	ST
3061AN65B	30 x 6 in (750 x 150 mm)	24.7 in (628 mm)	23.5 in (596 mm)	WT
3062AN	30 x 8 in (750 x 200 mm)	45.3 in (1151 mm)	27.1 in (688 mm)	*
3062AN85B	30 x 8 in (750 x 200 mm)	28.8 in (733 mm)	25.2 in (639 mm)	ST
3062AN65B	30 x 8 in (750 x 200 mm)	28.8 in (733 mm)	25.2 in (639 mm)	WT
3063AN	30 x 10 in (750 x 250 mm)	45.3 in (1151 mm)	27.6 in (700 mm)	*
3063AN85B	30 x 10 in (750 x 250 mm)	28.8 in (733 mm)	27.0 in (687 mm)	ST
3063AN65B	30 x 10 in (750 x 250 mm)	28.8 in (733 mm)	25.0 in (636 mm)	WT



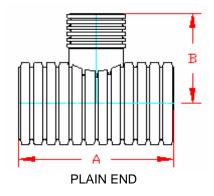


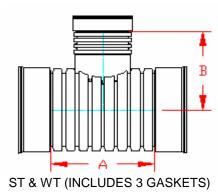


DRAWING #:	2425	
DRAWN BY:	NJP	09.07.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 30"×12" - 30"×24" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3064AN	30 x 12 in (750 x 300 mm)	49.4 in (1256 mm)	26.8 in (679 mm)	*
3064AN85B	30 x 12 in (750 x 300 mm)	33.0 in (837 mm)	22.9 in (582 mm)	ST
3064AN65B	30 x 12 in (750 x 300 mm)	33.0 in (837 mm)	22.9 in (582 mm)	WT
3065AN	30 x 15 in (750 x 375 mm)	53.6 in (1360 mm)	30.2 in (767 mm)	*
3065AN85B	30 x 15 in (750 x 1375mm)	37.1 in (942 mm)	25.0 in (636 mm)	ST
3065AN65B	30 x 15 in (750 x 375 mm)	37.1 in (942 mm)	25.0 in (636 mm)	WT
3066AN	30 x 18 in (750 x 450 mm)	57.7 in (1465 mm)	30.2 in (767 mm)	*
3066AN85B	30 x 18 in (750 x 450 mm)	41.2 in (1046 mm)	24.8 in (631 mm)	ST
3066AN65B	30 x 18 in (750 x 450 mm)	41.2 in (1046 mm)	24.8 in (631 mm)	WT
3067AN	30 x 24 in (750 x 600 mm)	61.8 in (1570 mm)	33.1 in (841 mm)	*
3067AN85B	30 x 24 in (750 x 600 mm)	45.3 in (1151 mm)	26.8 in (681 mm)	ST
3067AN65B	30 x 24 in (750 x 600 mm)	45.3 in (1151 mm)	26.8 in (681 mm)	WT



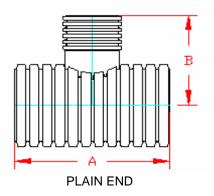


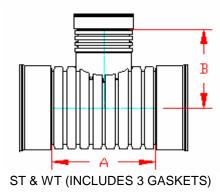


DRAWING #:	2425A	
DRAWN BY:	NJP	09.07.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 36"×4" - 36"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3660AN	36 x 4 in (900 x 100 mm)	36.8 in (933 mm)	26.8 in (681 mm)	*
3660AN85B	36 x 4 in (900 x 100 mm)	15.8 in (400 mm)	24.8 in (631 mm)	ST
3660AN65B	36 x 4 in (900 x 100 mm)	15.8 in (400 mm)	24.8 in (631 mm)	WT
3661AN	36 x 6 in (900 x 150 mm)	42.0 in (1067 mm)	28.1 in (713 mm)	*
3661AN85B	36 x 6 in (900 x 150 mm)	21.0 in (533 mm)	25.8 in (655 mm)	ST
3661AN65B	36 x 6 in (900 x 150 mm)	21.0 in (533 mm)	25.8 in (655 mm)	WT
3662AN	36 x 8 in (900 x 200 mm)	42.0 in (1067 mm)	30.2 in (767 mm)	*
3662AN85B	36 x 8 in (900 x 200 mm)	21.0 in (533 mm)	27.3 in (694 mm)	ST
3662AN65	36 x 8 in (900 x 200 mm)	21.0 in (533 mm)	27.3 in (694 mm)	WT
3663AN	36 x 10 in (900 x 250 mm)	47.3 in (1200 mm)	30.7 in (781 mm)	*
3663AN85B	36 x 10 in (900 x 250 mm)	26.3 in (667 mm)	27.0 in (685 mm)	ST
3663AN65B	36 x 10 in (900 x 250 mm)	26.3 in (667 mm)	27.0 in (685 mm)	WT





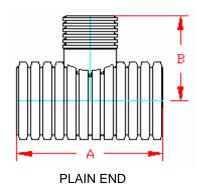


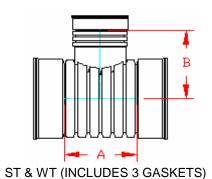
DRAWING #:	2430	
DRAWN BY:	NJP	09.19.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 36"×12" - 36"×30" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
3664AN	36 x 12 in	47.3 in	30.1 in	*
	(900 x 300 mm)	(1200 mm)	(764 mm)	
3664AN85B	36 x 12 in	26.3 in	24.3 in	ST
	(900 x 300 mm)	(667 mm)	(618 mm)	
3664AN65B	36 x 12 in	26.3 in	24.3 in	WT
	(900 x 300 mm)	(667 mm)	(618 mm)	•••
3665AN	36 x 15 in	52.5 in	33.5 in	*
3003AIN	(900 x 375 mm)	(1334 mm)	(852 mm)	
3665AN85B	36 x 15 in	31.5 in	25.8 in	ST
3003AN03B	(900 x 1375mm)	(800 mm)	(655 mm)	01
3665AN65B	36 x 15 in	31.5 in	25.8 in	WT
3003AN03B	(900 x 375 mm)	(800 mm)	(655 mm)	VV 1
3666AN	36 x 18 in	57.8 in	33.5 in	*
SOODAIN	(900 x 450 mm)	(1467 mm)	(852 mm)	
3666AN85B	36 x 18 in	36.8 in	25.5 in	ST
SOUGHNOSE	(900 x 450mm)	(933 mm)	(648 mm)	5
3666AN65B	36 x 18 in	36.8 in	25.5 in	WT
GCONIAGOOC	(900 x 450 mm)	(933 mm)	(648 mm)	V
3667AN	36 x 24 in	63.0 in	36.4 in	*
3007AN	(900 x 600 mm)	(1600 mm)	(926 mm)	
3667AN85B	36 x 24 in	42.0 in	27.0 in	ST
3007 ANOSD	(900 x 600mm)	(1067 mm)	(686 mm)	31
3667AN65B	36 x 24 in	42.0 in	27.0 in	WT
3007 ANO3D	(900 x 600 mm)	(1067 mm)	(686 mm)	VVI
3668AN	36 x 30 in	68.3 in	37.4 in	*
	(900 x 750 mm)	(1734 mm)	(949 mm)	
00000411055	36 x 30 in	47.3 in	25.0 in	СТ
3668AN85B	(900 x 750mm)	(1200 mm)	(635 mm)	ST
3668AN65B	36 x 30 in	47.3 in	25.0 in	WT
JUUOANUJD	(900 x 750 mm)	(1200 mm)	(635 mm)	VVI

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



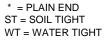


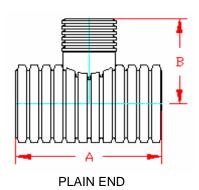


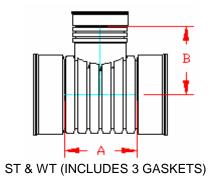
DRAWING #:	2430A	
DRAWN BY:	JCB	04.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
<u> </u>		

DUAL WALL FABRICATED REDUCING TEES 42"×4" - 42"×12" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
4260AN	42 x 4 in (1050 x 100 mm)	36.3 in (923 mm)	29.5 in (750 mm)	*
4260AN85B	42 x 4 in (1050 x 100 mm)	15.6 in (395 mm)	27.6 in (700 mm)	ST
4260AN65B	42 x 4 in (1050 x 100 mm)	15.6 in (395 mm)	27.6 in (700 mm)	WT
4261AN	42 x 6 in (1050 x 150 mm)	41.5 in (1055 mm)	30.8 in (783 mm)	*
4261AN85B	42 x 6 in (1050 x 150 mm)	20.8 in (527 mm)	28.5 in (724 mm)	ST
4261AN65B	42 x 6 in (1050 x 150 mm)	20.8 in (527 mm)	28.5 in (724 mm)	WT
4262AN	42 x 8 in (1050 x 200 mm)	41.5 in (1055 mm)	33.0 in (837 mm)	*
4262AN85B	42 x 8 in (1050 x 200 mm)	20.8 in (527 mm)	30.1 in (764 mm)	ST
4262AN65B	42 x 8 in (1050 x 200 mm)	20.8 in (527 mm)	30.1 in (764 mm)	WT
4263AN	42 x 10 in (1050 x 250 mm)	46.7 in (1186 mm)	33.6 in (852 mm)	*
4263AN85B	42 x 10 in (1050 x 250 mm)	26.0 in (659 mm)	29.8 in (756 mm)	ST
4263AN65B	42 x 10 in (1050 x 250 mm)	26.0 in (659 mm)	29.8 in (756 mm)	WT
4264AN	42 x 12 in (1050 x 300 mm)	46.7 in (1186 mm)	33.2 in (843 mm)	*
4264AN85B	42 x 12 in (1050 x 300 mm)	26.0 in (659 mm)	27.4 in (696 mm)	ST
4264AN65B	42 x 12 in (1050 x 300 mm)	26.0 in (659 mm)	27.4 in (696 mm)	WT





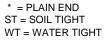


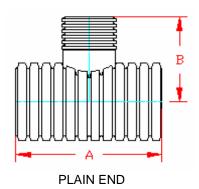


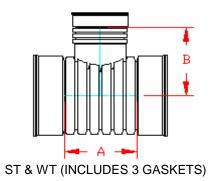
DRAWING #:	2435	
DRAWN BY:	JCB	04.30.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 42"×15" - 42"×36" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
4265AN	42 x 15 in	51.9 in	36.6 in	*
	(1050 x 375 mm) 42 x 15 in	(1318 mm) 31.1 in	(930 mm) 28.9 in	
4265AN85B	(1050 x 375mm)	(791 mm)	(733 mm)	ST
4265AN65B	42 x 15 in	31.1 in	28.9 in	WT
4200AN00B	(1050 x 375 mm)	(791 mm)	(733 mm)	V V I
4266AN	42 x 18 in	57.1 in	36.6 in	*
1200/111	(1050 x 450 mm)	(1450 mm)	(930 mm)	
4266AN85B	42 x 18 in	36.3 in	28.6 in	ST
	(1050 x 450mm)	(923 mm)	(726 mm)	
4266AN65	42 x 18 in	36.3 in	28.6 in	WT
	(1050 x 450 mm)	(923 mm)	(726 mm)	
4267AN	42 x 24 in	62.3 in	39.5 in	*
42077114	(1050 x 600 mm)	(1582 mm)	(1004 mm)	
4267AN85B	42 x 24 in	41.5 in	30.1 in	ST
42077((VOOD	(1050 x 600 mm)	(1055 mm)	(764 mm)	01
4267AN65B	42 x 24 in	41.5 in	30.1 in	WT
42077 (1 1 00B	(1050 x 600 mm)	(1055 mm)	(764 mm)	** 1
4268AN	42 x 30 in	67.5 in	40.5 in	*
4200AN	(1050 x 750 mm)	(1714 mm)	(1029 mm)	
4268AN85B	42 x 30 in	46.7 in	28.1 in	ST
4200/1103D	(1050 x 750 mm)	(1187 mm)	(715 mm)	01
4268AN65B	42 x 30 in	46.7 in	28.1 in	WT
4200/1103D	(1050 x 750 mm)	(1187 mm)	(715 mm)	V V I
4269AN	42 x 36 in	77.9 in	44.5 in	*
4209AN	(1050 x 900 mm)	(1977 mm)	(1131 mm)	
4269AN85B	42 x 36 in	57.1 in	28.8 in	ST
4203AN03D	(1050 x 900 mm)	(1450 mm)	(731 mm)	31
4269AN65B	42 x 36 in	57.1 in	28.8 in	WT
4200A1100D	(1050 x 900 mm)	(1450 mm)	(731 mm)	V V I





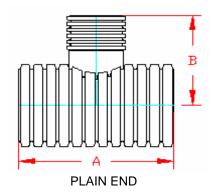


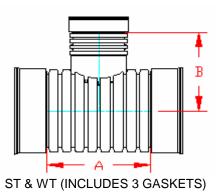


DRAWING #:	2435A	
DRAWN BY:	NJP	09.19.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 48"×4" - 48"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
4860AN	48 x 4 in	36.8 in	32.7 in	*
	(1200 x 100 mm) 48 x 4 in	(933 mm) 15.8 in	(829 mm) 30.7 in	
4860AN85B	(1200 x 100 mm)	(400 mm)		ST
	48 x 4 in	15.8 in	(779 mm) 30.7 in	
4860AN65B	(1200 x 100 mm)	(400 mm)	(779 mm)	WT
4004 AN	48 x 6 in	42.0 in	34.0 in	*
4861AN	(1200 x 150 mm)	(1067 mm)	(863 mm)	
4861AN85B	48 x 6 in	21.0 in	31.7 in	ST
40017/1000	(1200 x 150 mm)	(533 mm)	(804 mm)	01
4861AN65B	48 x 6 in	21.0 in	31.7 in	WT
40017(IV00B	(1200 x 150 mm)	(533 mm)	(804 mm)	V V 1
4862AN	48 x 8 in	42.0 in	36.1 in	*
4002/114	(1200 x 200 mm)	(1067 mm)	(918 mm)	
4862AN85B	48 x 8 in	21.0 in	33.3 in	ST
.002/ 1002	(1200 x 200 mm)	(533 mm)	(845 mm)	
4862AN65B	48 x 8 in	21.0 in	33.3 in	WT
	(1200 x 200 mm)	(533 mm)	(845 mm)	
4863AN	48 x 10 in	47.3 in	36.8 in	*
1000/111	(1200 x 250 mm)	(1200 mm)	(933 mm)	
4863AN85B	48 x 10 in	26.3 in	33.0 in	ST
	(1200 x 250 mm)	(667 mm)	(837 mm)	
4863AN65N	48 x 10 in	26.3 in	33.0 in	WT
4003/110311	(1200 x 250 mm)	(667 mm)	(837 mm)	



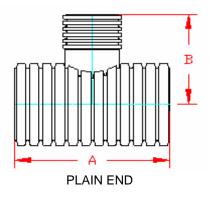


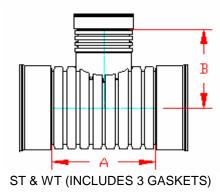


DRAWING #:	2440	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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DUAL WALL FABRICATED REDUCING TEES 48"×12" - 48"×24" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
4864AN	48 x 12 in (1200 x 300 mm)	47.3 in (1200 mm)	36.2 in (919 mm)	*
4864AN85B	48 x 12 in (1200 x 300 mm)	26.3 in (667 mm)	30.4 in (773 mm)	ST
4864AN65B	48 x 12 in (1200 x 300 mm)	26.3 in (667 mm)	30.4 in (773 mm)	WT
4865AN	48 x 15 in (1200 x 375 mm)	52.5 in (1334 mm)	39.6 in (1007 mm)	*
4865AN85B	48 x 15 in (1200 x 375mm)	31.5 in (800 mm)	31.9 in (809 mm)	ST
4865AN65B	48 x 15 in (1200 x 375 mm)	31.5 in (800 mm)	31.9 in (809 mm)	WT
4866AN	48 x 18 in (1200 x 450 mm)	57.8 in (1467 mm)	39.6 in (1007 mm)	*
4866AN85B	48 x 18 in (1200 x 450mm)	36.8 in (933 mm)	31.6 in (802 mm)	ST
4866AN65B	48 x 18 in (1200 x 450 mm)	36.8 in (933 mm)	31.6 in (802 mm)	WT
4867AN	48 x 24 in (1200 x 600 mm)	63.0 in (1600 mm)	42.5 in (1080 mm)	*
4867AN85B	48 x 24 in (1200 x 600mm)	42.0 in (1067 mm)	33.1 in (840 mm)	ST
4867AN65B	48 x 24 in (1200 x 600 mm)	42.0 in (1067 mm)	33.1 in (840 mm)	WT



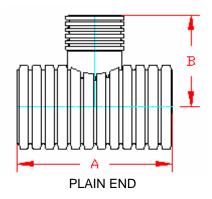


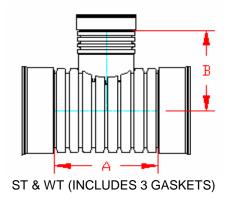


DRAWING #:	2440A	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 48"x30" - 48"x42" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
4868AN	48 x 30 in (1200 x 750 mm)	68.3 in (1734 mm)	43.5 in (1105 mm)	*
4868AN85B	48 x 30 in (1200 x 750mm)	47.3 in (1200 mm)	31.1 in (791 mm)	ST
4868AN65B	48 x 30 in (1200 x 750 mm)	47.3 in (1200 mm)	31.1 in (791 mm)	WT
4869AN	48 x 36 in (1200 x 900 mm)	73.5 in (1867 mm)	47.5 in (1208 mm)	*
4869AN85B	48 x 36 in (1200 x 900 mm)	52.5 in (1334 mm)	31.8 in (807 mm)	ST
4869AN65B	48 x 36 in (1200 x 900 mm)	52.5 in (1334 mm)	31.8 in (807 mm)	WT
4840AN	48 x 42 in (1200 x 1050 mm)	84.0 in (2134 mm)	47.8 in (1214 mm)	*
4840AN85B	48 x 42 in (1200 x 1050 mm)	63.0 in (1600 mm)	32.2 in (819 mm)	ST
4840AN65B	48 x 42 in (1200 x 1050 mm)	63.0 in (1600 mm)	32.2 in (819 mm)	WT



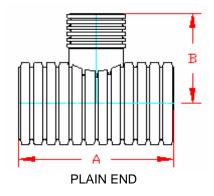


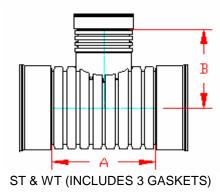


DRAWING #:	2440B	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 60"×4" - 60"×10" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
6060AN	60 x 4 in (1500 x 100 mm)	42.0 in (1067 mm)	39.0 in (991 mm)	*
6060AN85B	60 x 4 in (1500 x 100 mm)	18.0 in (457 mm)	37.0 in (940 mm)	ST
6060AN65B	60 x 4 in (1500 x 100 mm)	18.0 in (457 mm)	37.0 in (940 mm)	WT
6061AN	60 x 6 in (1500 x 150 mm)	48.0 in (1219 mm)	40.3 in (1024 mm)	*
6061AN85B	60 x 6 in (1500 x 150 mm)	24.0 in (610 mm)	38.0 in (965 mm)	ST
6061AN65B	60 x 6 in (1500 x 150 mm)	24.0 in (610 mm)	38.0 in (965 mm)	WT
6062AN	60 x 8 in (1500 x 200 mm)	48.0 in (1219 mm)	42.5 in (1079 mm)	*
6062AN85B	60 x 8 in (1500 x 200 mm)	24.0 in (610 mm)	39.6 in (1006 mm)	ST
6062AN65B	60 x 8 in (1500 x 200 mm)	24.0 in (610 mm)	39.6 in (1006 mm)	WT
6063AN	60 x 10 in (1500 x 250 mm)	48.0 in (1219 mm)	43.1 in (1095 mm)	*
6063AN85B	60 x 10 in (1500 x 250 mm)	24.0 in (610 mm)	39.3 in (999 mm)	ST
6063AN65B	60 x 10 in (1500 x 250 mm)	24.0 in (610 mm)	39.3 in (999 mm)	WT



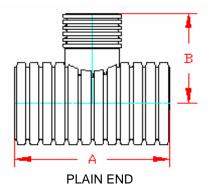


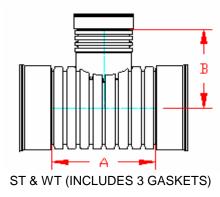


DRAWING #:	2445	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 60"×12" - 60"×24" DIAMETER

PART#	PIPE SIZE	А	В	JOINT
6064AN	60 x 12 in (1500 x 300 mm)	54.0 in (1372 mm)	42.5 in (1080 mm)	*
6064AN85B	60 x 12 in (1500 x 300 mm)	30.0 in (762 mm)	36.8 in (934 mm)	ST
6064AN65B	60 x 12 in (1500 x 300 mm)	30.0 in (762 mm)	36.8 in (934 mm)	WT
6065AN	60 x 15 in (1500 x 375 mm)	54.0 in (1372 mm)	46.0 in (1168 mm)	*
6065AN85B	60 x 15 in (1500 x 375mm)	30.0 in (762 mm)	38.2 in (971 mm)	ST
6065AN65B	60 x 15 in (1500 x 375 mm)	30.0 in (762 mm)	38.2 in (971 mm)	WT
6066AN	60 x 18 in (1500 x 450 mm)	60.0 in (1524 mm)	46.0 in (1168 mm)	*
6066AN85B	60 x 18 in (1500 x 450mm)	36.0 in (914 mm)	37.9 in (964 mm)	ST
6066AN65B	60 x 18 in (1500 x 450 mm)	36.0 in (914 mm)	37.9 in (964 mm)	WT
6067AN	60 x 24 in (1500 x 600 mm)	66.0 in (1676 mm)	48.9 in (1242 mm)	*
6067AN85B	60 x 24 in (1500 x 600mm)	42.0 in (1067 mm)	39.4 in (1002 mm)	ST
6067AN65B	60 x 24 in (1500 x 600 mm)	42.0 in (1067 mm)	39.4 in (1002 mm)	WT



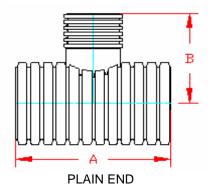


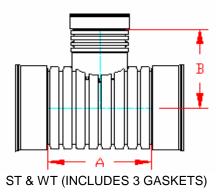


DRAWING #:	2445A	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING TEES 60"×30" - 60"×48" DIAMETER

PART#	PIPE SIZE	Α	В	JOINT
6068AN	60 x 30 in (1500 x 750 mm)	72.0 in (1829 mm)	49.9 in (1266 mm)	*
6068AN85B	60 x 30 in (1500 x 750 mm)	48.0 in (1219 mm)	37.5 in (952 mm)	ST
6068AN65B	60 x 30 in (1500 x 750 mm)	48.0 in (1219 mm)	37.5 in (952 mm)	WT
6069AN	60 x 36 in (1500 x 900 mm)	78.0 in (1981 mm)	53.9 in (1369 mm)	*
6069AN85B	60 x 36 in (1500 x 900 mm)	54.0 in (1372 mm)	37.1 in (943 mm)	ST
6069AN65B	60 x 36 in (1500 x 900 mm)	54.0 in (1372 mm)	38.1 in (969 mm)	WT
6040AN	60 x 42 in (1500 x 1050 mm)	84.0 in (2134 mm)	54.2 in (1375 mm)	*
6040AN85B	60 x 42 in (1500 x 1050 mm)	60.0 in (1524 mm)	38.6 in (980 mm)	ST
6040AN65B	60 x 42 in (1500 x 1050 mm)	60.0 in (1524 mm)	38.6 in (980 mm)	WT
6041AN	60 x 48 in (1500 x 1200 mm)	90.0 in (2286 mm)	57.2 in (1452 mm)	*
6041AN85B	60 x 48 in (1500 x 1200 mm)	66.0 in (1676 mm)	41.4 in (1052 mm)	ST
6041AN65B	60 x 48 in (1500 x 1200 mm)	66.0 in (1676 mm)	41.4 in (1052 mm)	WT





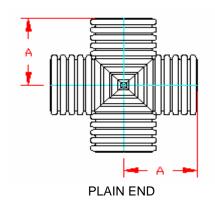


DRAWING #:	2445B	
DRAWN BY:	JCB	05.01.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED CROSS TEE 4" - 24" DIAMETER

PART #	PIPE SIZE	А	JOINT
0430AN	4 in (100 mm)	4.9 in (125 mm)	*
0631AN	6 in (150 mm)	7.0 in (177 mm)	*
0832AN	8 in (200 mm)	8.6 in (219 mm)	*
1033AN	10 in (250 mm)	12.0 in (304 mm)	*
1234AN	12 in (300 mm)	16.3 in (415 mm)	*
1535AN	15 in (375 mm)	19.4 in (494 mm)	*
1836AN	18 in (450 mm)	24.1 in (613 mm)	*
2437AN	24 in (600 mm)	29.9 in (760 mm)	*

^{* =} PLAIN END

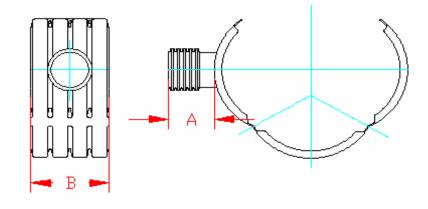




DRAWING #:	2450	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING SADDLE TEE 8" - 15" DIAMETER

PART#	PIPE SIZE	А	В
0840AN	8 x 4 in	6.4 in	6.0 in
	(200 x 100 mm)	(163 mm)	(152 mm)
1040AN	10 x 4 in	6.2 in	5.5 in
1040AN	(250 x 100 mm)	(157 mm)	(140 mm)
1041AN	10 x 6 in	7.7 in	11.0 in
1041AN	(250 x 150 mm)	(196 mm)	(279 mm)
40404N	12 x 4 in	5.8 in	7.8 in
1240AN	(300 x 100 mm)	(147 mm)	(197 mm)
1241AN	12 x 6 in	7.2 in	7.8 in
1241AN	(300 x 150 mm)	(183 mm)	(197 mm)
1242AN	12 x 8 in	10.6 in	15.8 in
1242AIN	(300 x 200 mm)	(269 mm)	(400 mm)
1540AN	15 x 4 in	5.7 in	10.5 in
1540AN	(375 x 100 mm)	(145 mm)	(267 mm)
1541AN	15 x 6 in	7.1 in	10.5 in
10417411	(375 x 150 mm)	(180 mm)	(267 mm)
1542AN	15 x 8 in	10.4 in	10.5 in
1342AN	(375 x 200 mm)	(264 mm)	(267 mm)

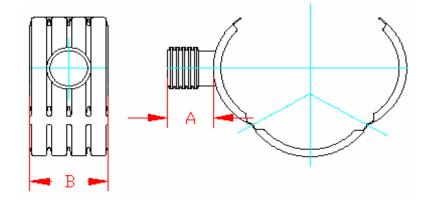




DRAWING #:	2460	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING SADDLE TEE 18" - 24" DIAMETER

PART #	PIPE SIZE	А	В
1840AN	18 x 4	5.4 in	10.5 in
1040AIN	(450 x 100 mm)	(137 mm)	(267 mm)
1841AN	18 x 6	6.8 in	10.5 in
1041/414	(450 x 150 mm)	(173 mm)	(267 mm)
1842AN	18 x 8	10.2 in	10.5 in
1042/11	(450 x 200 mm)	(259 mm)	(267 mm)
24404N	24 x 4 in	5.1 in	12.6 in
2440AN	24 x 4 in (600 x 100 mm)	5.1 in (130 mm)	12.6 in (321 mm)
		0	
2440AN 2441AN	(600 x 100 mm)	(130 mm)	(321 mm)
2441AN	(600 x 100 mm) 24 x 6 in	(130 mm) 6.5 in	(321 mm) 12.6 in
	(600 x 100 mm) 24 x 6 in (600 x 150 mm)	(130 mm) 6.5 in (165 mm)	(321 mm) 12.6 in (321 mm)
2441AN	(600 x 100 mm) 24 x 6 in (600 x 150 mm) 24 x 8 in	(130 mm) 6.5 in (165 mm) 9.9 in	(321 mm) 12.6 in (321 mm) 12.6 in

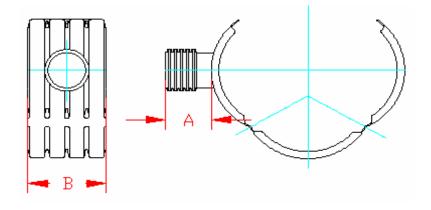




DRAWING #:	2465	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07

DUAL WALL FABRICATED REDUCING SADDLE TEE 30" - 36" DIAMETER

PART #	PIPE SIZE	А	В
3040AN	30 x 4 in	5.4 in	16.5 in
3040AN	(750 x 100 mm)	(137 mm)	(419 mm)
3041AN	30 x 6 in	6.8 in	16.5 in
3041711	(750 x 150 mm)	(173 mm)	(419 mm)
3042AN	30 x 8 in	9.2 in	16.5 in
3042AN	(750 x 200 mm)	(234 mm)	(419 mm)
3043AN	30 x 10 in	10.0 in	16.5 in
3043/11	(750 x 250 mm)	(254 mm)	(419 mm)
3044AN	30 x 12 in	10.0 in	16.5 in
00447111	(750 x 300 mm)	(254 mm)	(419 mm)
3045AN	30 x 15 in	13.0 in	33.0 in
00 10/111	(750 x 375 mm)	(330 mm)	(838 mm)
3640AN	36 x 4 in	5.1 in	20.8 in
3640AN	36 x 4 in (900 x 100 mm)	5.1 in (130 mm)	20.8 in (528 mm)
	00 X 1	(130 mm) 6.5 in	
3640AN 3641AN	(900 x 100 mm)	(130 mm) 6.5 in (165 mm)	(528 mm) 20.8 in (528 mm)
3641AN	(900 x 100 mm) 36 x 6 in	(130 mm) 6.5 in	(528 mm) 20.8 in
	(900 x 100 mm) 36 x 6 in (900 x 150 mm)	(130 mm) 6.5 in (165 mm)	(528 mm) 20.8 in (528 mm)
3641AN 3642AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in	(130 mm) 6.5 in (165 mm) 9.2 in	(528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in
3641AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm)	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm)	(528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in (528 mm)
3641AN 3642AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm) 36 x 12 in	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm) 10.0 in	(528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in
3641AN 3642AN 3643AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm) 36 x 12 in (900 x 300 mm)	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm) 10.0 in (254 mm)	(528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in (528 mm) (528 mm)
3641AN 3642AN 3643AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm) 36 x 12 in (900 x 300 mm) 36 x 15 in	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm) 10.0 in (254 mm) 13.0 in	(528 mm) 20.8 in
3641AN 3642AN 3643AN 3644AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm) 36 x 12 in (900 x 300 mm) 36 x 15 in (900 x 375 mm)	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm) 10.0 in (254 mm) 13.0 in (330 mm)	(528 mm) 20.8 in (528 mm)
3641AN 3642AN 3643AN 3644AN	(900 x 100 mm) 36 x 6 in (900 x 150 mm) 36 x 8 in (900 x 200 mm) 36 x 10 in (900 x 250 mm) 36 x 12 in (900 x 300 mm) 36 x 15 in	(130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in (246 mm) 10.0 in (254 mm) 13.0 in	(528 mm) 20.8 in



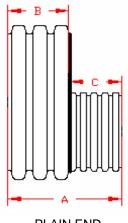


DRAWING #:	2470	
DRAWN BY:	JCB	07.13.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.14.07
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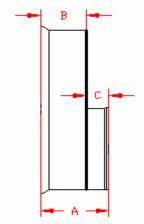
DUAL WALL FABRICATED REDUCERS 12"x4" - 12"x10" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1270AN	12 x 4 in	11.0 in	5.8 in	5.3 in	*
	(300 x 100 mm)	(280 mm)	(146 mm)	(133 mm)	
1270AN65B	12 x 4 in	8.9 in	6.5 in	2.4 in	WT
127 0AN03D	(300 x 100 mm)	(226 mm)	(165 mm)	(60 mm)	V 1
1271AN	12 x 6 in	12.0 in	5.8 in	6.2 in	*
127 TAIN	(300 x 150 mm)	(304 mm)	(146 mm)	(157 mm)	
1271AN65B	12 x 6 in	10.0 in	6.5 in	3.5 in	WT
127 TANOSD	(300 x 150 mm)	(254 mm)	(165 mm)	(89 mm)	V 1
1272AN	12 x 8 in	12.5 in	5.8 in	6.7 in	*
IZIZAN	(300 x 200 mm)	(317 mm)	(146 mm)	(171 mm)	
1272AN65B	12 x 8 in	10.8 in	6.5 in	4.3 in	WT
1212ANOSB	(300 x 200 mm)	(273 mm)	(165 mm)	(108 mm)	V 1
1273AN	12 x 10 in	13.3 in	5.8 in	7.6 in	*
1213AN	(300 x 250 mm)	(338 mm)	(146 mm)	(192 mm)	
1273AN65B	12 x 10 in	11.8 in	6.5 in	5.3 in	WT
121 SANOSB	(300 x 250 mm)	(298 mm)	(165 mm)	(133 mm)	VVI

^{* =} PLAIN END WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

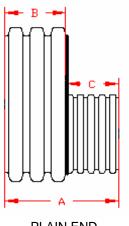


DRAWING #:	2500	
DRAWN BY:	JCB	06.05.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

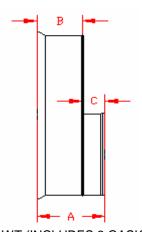
DUAL WALL FABRICATED REDUCERS 15"x4" - 15"x12" DIAMETER

PART #	PIPE SIZE	Α	В	С	JOINT
1570AN	15 x 4 in	13.0 in	7.8 in	5.3 in	*
1570AN65B	(375 x 100 mm) 15 x 4 in	(331 mm) 10.1 in	(197 mm) 7.8 in	(133 mm) 2.4 in	WT
1370AN03B	(375 x 100 mm)	(257 mm)	(197 mm)	(60 mm)	VVI
1571AN	15 x 6 in	14.0 in	7.8 in	6.2 in	*
137 TAIN	(375 x 150 mm)	(355 mm)	(197 mm)	(157 mm)	
1571AN65B	15 x 6 in	11.3 in	7.8 in	3.5 in	WT
107 17 11 100 15	(375 x 150 mm)	(286 mm)	(197 mm)	(89 mm)	** 1
1572AN	15 x 8 in	14.5 in	7.8 in	6.7 in	*
1072/11	(375 x 200 mm)	(368 mm)	(197 mm)	(171 mm)	
1572AN65B	15 x 8 in	12.0 in	7.8 in	4.3 in	WT
1072/11000	(375 x 200 mm)	(305 mm)	(197 mm)	(108 mm)	V V 1
1573AN	15 x 10 in	15.3 in	7.8 in	7.6 in	*
107 5/11	(375 x 250 mm)	(389 mm)	(197 mm)	(192 mm)	
1573AN65B	15 x 10 in	13.0 in	7.8 in	5.3 in	WT
1070711100B	(375 x 250 mm)	(330 mm)	(197 mm)	(133 mm)	V V 1
1574AN	15 x 12 in	17.0 in	7.8 in	9.2 in	*
1374AN	(375 x 300 mm)	(431 mm)	(197 mm)	(234 mm)	
1574AN85B	15 x 12 in	14.3 in	7.8 in	6.5 in	ST
107 4/11000	(375 x 300 mm)	(362 mm)	(197 mm)	(165 mm)	O1
1574AN65B	15 x 12 in	14.3 in	7.8 in	6.5 in	WT
101 TANOOD	(375 x 300 mm)	(362 mm)	(197 mm)	(165 mm)	V V I

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



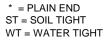
ST & WT (INCLUDES 2 GASKETS)

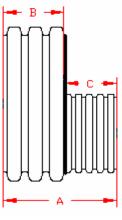


DRAWING #:	2505	
DRAWN BY:	JCB	06.05.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

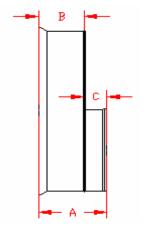
DUAL WALL FABRICATED REDUCERS 18"x4" - 18"15" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
1870AN	18 x 4 in	13.3 in	8.0 in	5.3 in	*
107 07 111	(450 x 100 mm)	(338 mm)	(203 mm)	(133 mm)	
1870AN65B	18 x 4 in	11.3 in	8.9 in	2.4 in	WT
	(450 x 100 mm)	(286 mm)	(226 mm)	(60 mm)	
1871AN	18 x 6 in	14.2 in	8.0 in	6.2 in	*
107 1741	(450 x 150 mm)	(361 mm)	(204 mm)	(157 mm)	
1871AN65B	18 x 6 in	12.4 in	8.9 in	3.5 in	WT
TOTTANOOD	(450 x 150 mm)	(314 mm)	(226 mm)	(89 mm)	V V I
1872AN	18 x 8 in	14.8 in	8.0 in	6.7 in	*
107ZAIN	(450 x 200 mm)	(375 mm)	(204 mm)	(171 mm)	
1872AN65B	18 x 8 in	13.1 in	8.9 in	4.3 in	WT
1072ANOSD	(450 x 200 mm)	(334 mm)	(226 mm)	(108 mm)	VVI
4072AN	18 x 10 in	15.6 in	8.0 in	7.6 in	*
1873AN	(450 x 250 mm)	(396 mm)	(204 mm)	(192 mm)	
1873AN65B	18 x 10 in	14.1 in	8.9 in	5.3 in	WT
107 3AN03B	(450 x 250 mm)	(359 mm)	(226 mm)	(133 mm)	VVI
1874AN	18 x 12 in	17.2 in	8.0 in	9.2 in	*
1874AN	(450 x 300 mm)	(438 mm)	(204 mm)	(234 mm)	
4074AN0ED	18 x 12 in	15.4 in	8.9 in	6.5 in	ST
1874AN85B	(450 x 300 mm)	(391 mm)	(226 mm)	(165 mm)	31
1874AN65B	18 x 12 in	15.4 in	8.9 in	6.5 in	WT
1074AN03D	(450 x 300 mm)	(391 mm)	(226 mm)	(165 mm)	VVI
4075 ANI	18 x 15 in	20.7 in	8.0 in	12.7 in	*
1875AN	(450 x 1375mm)	(526 mm)	(204 mm)	(321 mm)	**
1875AN85B	18 x 15 in	16.6 in	8.9 in	7.8 in	ST
TO/ SAINOSB	(450 x 375 mm)	(422 mm)	(226 mm)	(197 mm)	31
1875AN65B	18 x 15 in	16.6 in	8.9 in	7.8 in	WT
1875AN05B	(450 x 1375mm)	(422 mm)	(226 mm)	(197 mm)	VVI





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

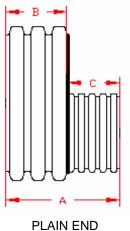


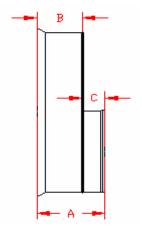
DRAWING #:	2510	
DRAWN BY:	JCB	09.12.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07
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DUAL WALL FABRICATED REDUCERS 24"x4" - 24"x12" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
2470AN	24 x 4 in (600 x 100 mm)	14.7 in (373 mm)	9.5 in (240 mm)	5.3 in (133 mm)	*
2470AN65B	24 x 4 in (600 x 100 mm)	9.4 in (238 mm)	7.0 in (178 mm)	2.4 in (60 mm)	WT
2471AN	24 x 6 in (600 x 150 mm)	15.6 in (397 mm)	9.5 in (240 mm)	6.2 in (157 mm)	*
2471AN65B	24 x 6 in (600 x 150 mm)	10.5 in (267 mm)	7.0 in (178 mm)	3.5 in (89 mm)	WT
2472AN	24 x 8 in (600 x 200 mm)	16.2 in (411 mm)	9.5 in (240 mm)	6.7 in (171 mm)	*
2472AN65B	24 x 8 in (600 x 200 mm)	11.3 in (286 mm)	7.0 in (178 mm)	4.3 in (108 mm)	WT
2473AN	24 x 10 in (600 x 250 mm)	17.0 in (432 mm)	9.5 in (240 mm)	7.6 in (192 mm)	*
2473AN65B	24 x 10 in (600 x 250 mm)	12.3 in (311 mm)	7.0 in (178 mm)	5.3 in (133 mm)	WT
2474AN	24 x 12 in (600 x 300 mm)	18.7 in (474 mm)	9.5 in (240 mm)	9.2 in (234 mm)	*
2474AN85B	24 x 12 in (600 x 300 mm)	13.5 in (343 mm)	7.0 in (178 mm)	6.5 in (165 mm)	ST
2474AN65B	24 x 12 in (600 x 300 mm)	13.5 in (343 mm)	7.0 in (178 mm)	6.5 in (165 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





ST & WT (INCLUDES 2 GASKETS)

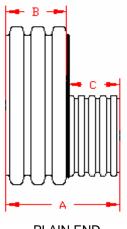


DRAWING #:	2515	
DRAWN BY:	JCB	06.05.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

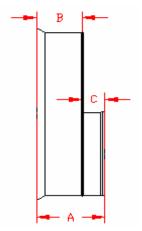
DUAL WALL FABRICATED REDUCERS 24"×15" - 24"×18" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
2475AN	24 x 15 in	22.1 in	9.5 in	12.7 in	*
	(600 x 375 mm)	(561 mm)	(240 mm)	(321 mm)	
2475AN85B	24 x 15 in	14.8 in	7.0 in	7.8 in	ST
247 JANOJD	(600 x 375 mm)	(375 mm)	(178 mm)	(197 mm)	31
2475AN65B	24 x 15 in	14.8 in	7.0 in	7.8 in	WT
247 JAN03D	(600 x 375 mm)	(375 mm)	(178 mm)	(197 mm)	VVI
2476AN	24 x 18 in	22.1 in	9.5 in	12.7 in	*
2476AN	(600 x 450 mm)	(561 mm)	(240 mm)	(321 mm)	
2476AN85B	24 x 18 in	15.9 in	7.0 in	8.9 in	ST
2470AN00D	(600 x 450 mm)	(403 mm)	(178 mm)	(226 mm)	31
2476AN65B	24 x 18 in	15.9 in	7.0 in	8.9 in	WT
241 0AN00D	(600 x 450 mm)	(403 mm)	(178 mm)	(226 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

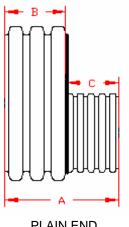


DRAWING #:	2515A	
DRAWN BY:	JCB	06.05.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

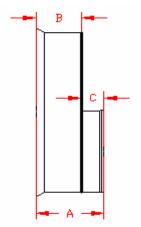
DUAL WALL FABRICATED REDUCERS 30"×4" - 30"×12" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3070AN	30 x 4 in	17.6 in	12.4 in	5.3 in	*
	(750 x 100 mm)	(447 mm)	(314 mm)	(133 mm)	
3070AN65B	30 x 4 in	14.1 in	11.8 in	2.4 in	WT
	(750 x 100 mm)	(359 mm)	(298 mm)	(60 mm)	
3071AN	30 x 6 in	18.6 in	12.4 in	6.2 in	*
307 TAIN	(750 x 150 mm)	(471 mm)	(314 mm)	(157 mm)	
3071AN65B	30 x 6 in	15.3 in	11.8 in	3.5 in	WT
307 TAN03D	(750 x 150 mm)	(387 mm)	(298 mm)	(89 mm)	V 1
3072AN	30 x 8 in	19.1 in	12.4 in	6.7 in	*
3072AN	(750 x 200 mm)	(485 mm)	(314 mm)	(171 mm)	
3072AN65B	30 x 8 in	16.0 in	11.8 in	4.3 in	WT
3072AN03D	(750 x 200 mm)	(406 mm)	(298 mm)	(108 mm)	VVI
207241	30 x 10 in	19.9 in	12.4 in	7.6 in	*
3073AN	(750 x 250 mm)	(506 mm)	(314 mm)	(192 mm)	
3073AN65B	30 x 10 in	17.0 in	11.8 in	5.3 in	WT
307 3AN03D	(750 x 250 mm)	(432 mm)	(298 mm)	(133 mm)	VVI
207441	30 x 12 in	21.6 in	12.4 in	9.2 in	*
3074AN	(750 x 300 mm)	(548 mm)	(314 mm)	(234 mm)	
3074AN85B	30 x 12 in	18.3 in	11.8 in	6.5 in	ST
3074AN03B	(750 x 300 mm)	(464 mm)	(298 mm)	(165 mm)	01
2074ANGED	30 x 12 in	18.3 in	11.8 in	6.5 in	\//T
3074AN65B	(750 x 300 mm)	(464 mm)	(298 mm)	(165 mm)	WT

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

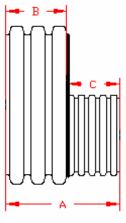


DRAWING #:	2520	
DRAWN BY:	NJP	09.28.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

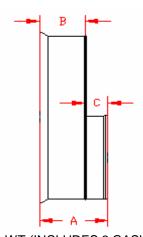
DUAL WALL FABRICATED REDUCERS 30"×15" - 30"×24" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
3075AN	30 x 15 in	25.0 in	12.4 in	12.7 in	*
00707114	(750 x 375 mm)	(635 mm)	(314 mm)	(321 mm)	
3075AN85B	30 x 15 in	19.5 in	11.8 in	7.8 in	ST
307 3AN03B	(750 x 1375mm)	(495 mm)	(298 mm)	(197 mm)	5
3075AN65B	30 x 15 in	19.5 in	11.8 in	7.8 in	WT
307 3AN03B	(750 x 375 mm)	(495 mm)	(298 mm)	(197 mm)	VVI
3076AN	30 x 18 in	25.0 in	12.4 in	12.7 in	*
3076AN	(750 x 450 mm)	(635 mm)	(314 mm)	(321 mm)	
3076AN85B	30 x 18 in	20.6 in	11.8 in	8.9 in	ST
307 0AN03D	(750 x 450 mm)	(524 mm)	(298 mm)	(226 mm)	5
3076AN65B	30 x 18 in	20.6 in	11.8 in	8.9 in	WT
307 0AN03B	(750 x 450 mm)	(524 mm)	(298 mm)	(226 mm)	VVI
3077AN	30 x 24 in	27.9 in	12.4 in	15.6 in	*
3077AN	(750 x 600 mm)	(709 mm)	(314 mm)	(395 mm)	
3077AN85B	30 x 24 in	18.8 in	11.8 in	7.0 in	ST
	(750 x 600 mm)	(476 mm)	(298 mm)	(178 mm)	5
3077AN65B	30 x 24 in	18.8 in	11.8 in	7.0 in	WT
3011AN03B	(750 x 600 mm)	(476 mm)	(298 mm)	(178 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

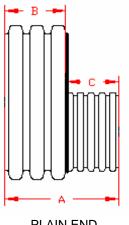


DRAWING #:	2520A	
DRAWN BY:	NJP	09.28.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

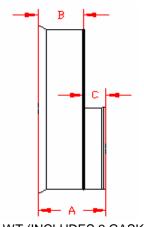
DUAL WALL FABRICATED REDUCERS 36"×4" - 36"×12" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
3670AN	36 x 4 in	21.0 in	15.8 in	5.3 in	*
	(900 x 100 mm)	(533 mm)	(400 mm)	(133 mm)	
3670AN65B	36 x 4 in	13.7 in	11.3 in	2.4 in	WT
	(900 x 100 mm)	(347 mm)	(287 mm)	(60 mm)	
3671AN	36 x 6 in	21.9 in	15.8 in	6.2 in	*
307 17(1)	(900 x 150 mm)	(557 mm)	(400 mm)	(157 mm)	
3671AN65B	36 x 6 in	14.8 in	11.3 in	3.5 in	WT
307 TAIN03B	(900 x 150 mm)	(376 mm)	(287 mm)	(89 mm)	V 1
3672AN	36 x 8 in	22.5 in	15.8 in	6.7 in	*
307 ZAIN	(900 x 200 mm)	(571 mm)	(400 mm)	(171 mm)	
3672AN65B	36 x 8 in	15.5 in	11.3 in	4.3 in	WT
3072AN03D	(900 x 200 mm)	(395 mm)	(287 mm)	(108 mm)	VVI
3673AN	36 x 10 in	23.3 in	15.8 in	7.6 in	*
307 3AN	(900 x 250 mm)	(592 mm)	(400 mm)	(192 mm)	
3673AN65B	36 x 10 in	16.5 in	11.3 in	5.3 in	WT
307 3AN03D	(900 x 250 mm)	(420 mm)	(287 mm)	(133 mm)	VVI
3674AN	36 x 12 in	25.0 in	15.8 in	9.2 in	*
3074AIN	(900 x 300 mm)	(634 mm)	(400 mm)	(234 mm)	
3674AN85B	36 x 12 in	17.8 in	11.3 in	6.5 in	ST
JUI 4AINOJD	(900 x 300 mm)	(452 mm)	(287 mm)	(165 mm)	5
3674AN65B	36 x 12 in	17.8 in	11.3 in	6.5 in	WT
3014AN03D	(900 x 300 mm)	(452 mm)	(287 mm)	(165 mm)	VVI

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



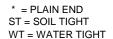
ST & WT (INCLUDES 2 GASKETS)

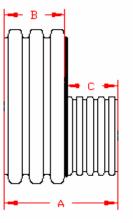


DRAWING #:	2525	
DRAWN BY:	JCB	09.11.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

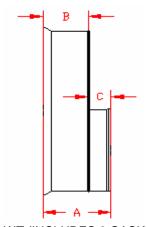
DUAL WALL FABRICATED REDUCERS 36"×15" - 36"×30" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
3675AN	36 x 15 in (900 x 100 mm)	28.4 in (721 mm)	15.8 in (400 mm)	12.7 in (321 mm)	*
3675AN85B	36 x 15 in	19.0 in	11.3 in	7.8 in	ST
	(900 x 100 mm) 36 x 15 in	(484 mm) 19.0 in	(287 mm) 11.3 in	(197 mm) 7.8 in	
3675AN65B	(900 x 150 mm)	(484 mm)	(287 mm)	(197 mm)	WT
3676AN	36 x 18 in (900 x 150 mm)	28.4 in (721 mm)	15.8 in (400 mm)	12.7 in (321 mm)	*
3676AN85B	36 x 18 in (900 x 200 mm)	20.2 in (512 mm)	11.3 in (287 mm)	8.9 in (226 mm)	ST
3676AN65B	36 x 18 in	20.2 in	11.3 in	8.9 in	WT
3677AN	(900 x 200 mm) 36 x 24 in	(512 mm) 31.3 in	(287 mm) 15.8 in	(226 mm) 15.6 in	*
3077AN	(900 x 250 mm)	(795 mm)	(400 mm)	(395 mm)	
3677AN85B	36 x 24 in (900 x 250 mm)	18.3 in (465 mm)	11.3 in (287 mm)	7.0 in (178 mm)	ST
3677AN65B	36 x 24 in (900 x 300 mm)	18.3 in (465 mm)	11.3 in (287 mm)	7.0 in (178 mm)	WT
3678AN	36 x 30 in	32.2 in	15.8 in	16.5 in	*
	(900 x 300 mm) 36 x 30 in	(819 mm) 23.0 in	(400 mm) 11.3 in	(419 mm) 11.8 in	
3678AN65B	(900 x 300 mm)	(585 mm)	(287 mm)	(298 mm)	ST
3678AN85B	36 x 30 in (900 x 300 mm)	23.0 in (585 mm)	11.3 in (287 mm)	11.8 in (298 mm)	WT





PLAIN END



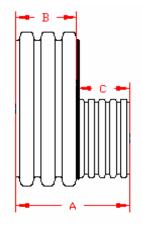
ST & WT (INCLUDES 2 GASKETS)



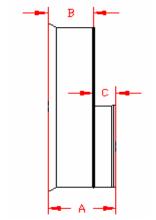
DRAWING #:	2525A	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

DUAL WALL FABRICATED REDUCERS 42"x6" - 42"x15" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
4271AN	42 x 6 in	21.8 in	15.6 in	6.2 in	*
	(900 x 300 mm)	(553 mm)	(395 mm)	(157 mm)	
4271AN85B	42 x 6 in	12.6 in	9.1 in	3.5 in	ST
	(900 x 300 mm)	(321 mm)	(232 mm)	(89 mm)	
4271AN65B	42 x 6 in	15.5 in	12.0 in	3.5 in	WT
	(900 x 300 mm)	(393 mm)	(305 mm)	(89 mm)	
4272AN	42 x 8 in	22.3 in	15.6 in	6.7 in	*
7212111	(900 x 300 mm)	(566 mm)	(395 mm)	(171 mm)	
4272AN85B	42 x 8 in	13.4 in	9.1 in	4.3 in	ST
427 27 (NOOD	(900 x 300 mm)	(340 mm)	(232 mm)	(108 mm)	01
4272AN65B	42 x 8 in	16.2 in	12.0 in	4.3 in	WT
42727 (1 1 00B	(900 x 300 mm)	(412 mm)	(305 mm)	(108 mm)	V V 1
4273AN	42 x 10 in	23.1 in	15.6 in	7.6 in	*
421 JAIN	(900 x 300 mm)	(588 mm)	(395 mm)	(192 mm)	
4273AN85B	42 x 10 in	14.4 in	9.1 in	5.3 in	ST
427 SANOSD	(900 x 300 mm)	(365 mm)	(232 mm)	(133 mm)	01
4273AN65B	42 x 10 in	17.2 in	12.0 in	5.3 in	WT
427 07 (1100B	(900 x 300 mm)	(438 mm)	(305 mm)	(133 mm)	** 1
4274AN	42 x 12 in	24.8 in	15.6 in	9.2 in	*
4274AN	(900 x 300 mm)	(629 mm)	(395 mm)	(234 mm)	
4274AN85B	42 x 12 in	15.6 in	9.1 in	6.5 in	ST
4274AN03D	(900 x 300 mm)	(397 mm)	(232 mm)	(165 mm)	5
4274AN65B	42 x 12 in	18.5 in	12.0 in	6.5 in	WT
427 4ANOOD	(900 x 300 mm)	(470 mm)	(305 mm)	(165 mm)	VVI
4275AN	42 x 15 in	28.2 in	15.6 in	12.7 in	*
42/3AN	(900 x 300 mm)	(717 mm)	(395 mm)	(321 mm)	
4275AN85B	42 x 15 in	16.9 in	9.1 in	7.8 in	ST
421 DAINOOB	(900 x 300 mm)	(428 mm)	(232 mm)	(197 mm)	01
4275AN65B	42 x 15 in	19.7 in	12.0 in	7.8 in	WT
421 JANUJD	(900 x 300 mm)	(501 mm)	(305 mm)	(197 mm)	VVI



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

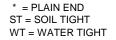


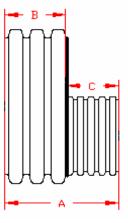
DRAWING #:	2530	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

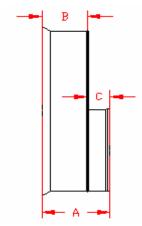
DUAL WALL FABRICATED REDUCERS 42"×18" - 42"×36" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4276AN	42 x 18 in	28.2 in	15.6 in	12.7 in	*
427 O/ ((4	(750 x 375 mm)	(717 mm)	(395 mm)	(321 mm)	
4276AN85B	42 x 18 in	18.0 in	9.1 in	8.9 in	ST
427 OANOOD	(750 x 1375mm)	(457 mm)	(232 mm)	(226 mm)	5
4276AN65B	42 x 18 in	20.9 in	12.0 in	8.9 in	WT
427 OANOOD	(750 x 375 mm)	(530 mm)	(305 mm)	(226 mm)	VVI
4277AN	42 x 24 in	31.1 in	15.6 in	15.6 in	*
42//AIN	(750 x 450 mm)	(790 mm)	(395 mm)	(395 mm)	
4277AN85B	42 x 24 in	16.1 in	9.1 in	7.0 in	ST
4277AN03D	(750 x 450 mm)	(409 mm)	(232 mm)	(178 mm)	5
4277AN65B	42 x 24 in	19.0 in	12.0 in	7.0 in	WT
4211AN03D	(750 x 450 mm)	(482 mm)	(305 mm)	(178 mm)	VVI
4278AN	42 x 30 in	32.1 in	15.6 in	16.5 in	*
427 OAIN	(750 x 600 mm)	(814 mm)	(395 mm)	(419 mm)	
4278AN85B	42 x 30 in	20.9 in	9.1 in	11.8 in	ST
427 0AN03D	(750 x 600 mm)	(530 mm)	(232 mm)	(298 mm)	5
4278AN65B	42 x 30 in	23.7 in	12.0 in	11.8 in	WT
427 OANOOD	(750 x 600 mm)	(603 mm)	(305 mm)	(298 mm)	VVI
4279AN	42 x 36 in	36.1 in	15.6 in	20.6 in	*
4279AN	(750 x 600 mm)	(918 mm)	(395 mm)	(522 mm)	
4279AN85B	42 x 36 in	20.4 in	9.1 in	11.3 in	ST
721 3/NOJD	(750 x 600 mm)	(518 mm)	(232 mm)	(287 mm)	01
4279AN65B	42 x 36 in	23.3 in	12.0 in	11.3 in	WT
721 3/NINOJD	(750 x 600 mm)	(591 mm)	(305 mm)	(287 mm)	V V I





PLAIN END



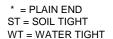
ST & WT (INCLUDES 2 GASKETS)

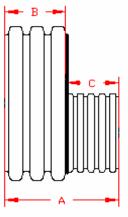


DRAWING #:	2530A	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

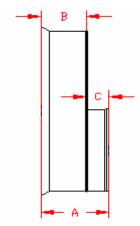
DUAL WALL FABRICATED REDUCERS 48"×12" - 48"×24" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
4874AN	48 x 12 in	25.0 in	15.8 in	9.2 in	*
	(900 x 100 mm)	(634 mm)	(400 mm)	(234 mm)	
4874AN85B	48 x 12 in	15.3 in	8.8 in	6.5 in	ST
	(900 x 100 mm)	(388 mm)	(223 mm)	(165 mm)	
4874AN65B	48 x 12 in	18.5 in	12.0 in	6.5 in	WT
407 47 (TOOD	(900 x 150 mm)	(470 mm)	(305 mm)	(165 mm)	VV 1
4875AN	48 x 15 in	28.4 in	15.8 in	12.7 in	*
40/ SAIN	(900 x 150 mm)	(721 mm)	(400 mm)	(321 mm)	
4875AN85B	48 x 15 in	16.5 in	8.8 in	7.8 in	ST
407 SAINOSE	(900 x 200 mm)	(419 mm)	(223 mm)	(197 mm)	31
4875AN65B	48 x 15 in	19.7 in	12.0 in	7.8 in	WT
467 SAINOSD	(900 x 200 mm)	(501 mm)	(305 mm)	(197 mm)	VVI
407CAN	48 x 18 in	28.4 in	15.8 in	12.7 in	*
4876AN	(900 x 250 mm)	(721 mm)	(400 mm)	(321 mm)	
407CAN0ED	48 x 18 in	17.6 in	8.8 in	8.9 in	ST
4876AN85B	(900 x 250 mm)	(448 mm)	(223 mm)	(226 mm)	51
4876AN65B	48 x 18 in	20.9 in	12.0 in	8.9 in	WT
4070AN00D	(900 x 300 mm)	(530 mm)	(305 mm)	(226 mm)	VVI
407741	48 x 24 in	31.3 in	15.8 in	15.6 in	*
4877AN	(900 x 300 mm)	(795 mm)	(400 mm)	(395 mm)	
4077 A NIOED	48 x 24 in	15.8 in	8.8 in	7.0 in	СТ
4877AN85B	(900 x 300 mm)	(400 mm)	(223 mm)	(178 mm)	ST
4877AN65B	48 x 24 in	19.0 in	12.0 in	7.0 in	\//T
48//AIN03B	(900 x 300 mm)	(482 mm)	(305 mm)	(178 mm)	WT





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

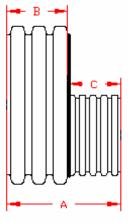


DRAWING #:	2535	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

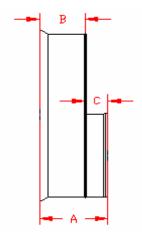
DUAL WALL FABRICATED REDUCERS 48"x30" - 48"x42" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
4878AN	48 x 30 in	32.2 in	15.8 in	16.5 in	*
	(900 x 100 mm)	(819 mm)	(400 mm)	(419 mm)	
4878AN85B	48 x 30 in	20.5 in	8.8 in	11.8 in	ST
4070/11030	(900 x 100 mm)	(521 mm)	(223 mm)	(298 mm)	5
4878AN65B	48 x 30 in	23.7 in	12.0 in	11.8 in	WT
4070AN03B	(900 x 150 mm)	(603 mm)	(305 mm)	(298 mm)	VVI
4070AN	48 x 36 in	36.3 in	15.8 in	20.6 in	*
4879AN	(900 x 150 mm)	(922 mm)	(400 mm)	(522 mm)	
4879AN85B	48 x 36 in	20.1 in	8.8 in	11.3 in	ST
407 9ANOSD	(900 x 200 mm)	(509 mm)	(223 mm)	(287 mm)	5
4879AN65B	48 x 36 in	23.3 in	12.0 in	11.3 in	WT
4073/1103/	(900 x 200 mm)	(591 mm)	(305 mm)	(287 mm)	VVI
4842AN	48 x 42 in	36.4 in	15.8 in	20.7 in	*
4042AIN	(900 x 250 mm)	(925 mm)	(400 mm)	(525 mm)	
4842AN85B	48 x 42 in	17.9 in	8.8 in	9.1 in	ST
404ZANODD	(900 x 250 mm)	(454 mm)	(223 mm)	(232 mm)	5
4842AN65B	48 x 42 in	24.0 in	12.0 in	12.0 in	WT
4042AN00D	(900 x 300 mm)	(609 mm)	(305 mm)	(305 mm)	VVI

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



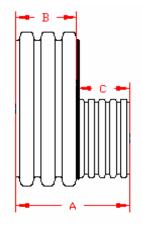
ST & WT (INCLUDES 2 GASKETS)



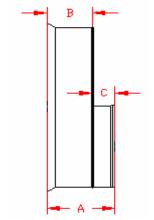
DRAWING #:	2535A	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07

DUAL WALL FABRICATED REDUCERS 60"x24" - 60"x48" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
6077AN	60 x 24 in	33.6 in	18.0 in	15.6 in	*
	(900 x 300 mm)	(852 mm)	(457 mm)	(395 mm)	
6077AN85B	60 x 24 in	16.6 in	9.6 in	7.0 in	ST
	(900 x 300 mm)	(421 mm)	(243 mm)	(178 mm)	
6077AN65B	60 x 24 in	16.6 in	9.6 in	7.0 in	WT
	(900 x 300 mm)	(421 mm)	(243 mm)	(178 mm)	
6078AN	60 x 30 in	34.5 in	18.0 in	16.5 in	*
0070/11	(900 x 300 mm)	(876 mm)	(457 mm)	(419 mm)	
6078AN85B	60 x 30 in	21.3 in	9.6 in	11.8 in	ST
0070AN03B	(900 x 300 mm)	(542 mm)	(243 mm)	(298 mm)	5
6078AN65B	60 x 30 in	21.3 in	9.6 in	11.8 in	WT
007 0AN03B	(900 x 300 mm)	(542 mm)	(243 mm)	(298 mm)	VV 1
6079AN	60 x 36 in	38.6 in	18.0 in	20.6 in	*
6079AN	(900 x 300 mm)	(979 mm)	(457 mm)	(522 mm)	
6079AN85B	60 x 36 in	20.9 in	9.6 in	11.3 in	ST
0079AN03D	(900 x 300 mm)	(530 mm)	(243 mm)	(287 mm)	5
6079AN65B	60 x 36 in	20.9 in	9.6 in	11.3 in	WT
007 3AN03B	(900 x 300 mm)	(530 mm)	(243 mm)	(287 mm)	VVI
6042AN	60 x 42 in	38.7 in	18.0 in	20.7 in	*
6042AN	(900 x 300 mm)	(982 mm)	(457 mm)	(525 mm)	
6042AN85B	60 x 42 in	18.7 in	9.6 in	9.1 in	ST
0042AN03D	(900 x 300 mm)	(475 mm)	(243 mm)	(232 mm)	5
6042AN65B	60 x 42 in	21.6 in	9.6 in	12.0 in	WT
0042AN03D	(900 x 300 mm)	(548 mm)	(243 mm)	(305 mm)	VVI
6048AN	60 x 48 in	38.7 in	18.0 in	20.7 in	*
6048AN	(900 x 300 mm)	(982 mm)	(457 mm)	(525 mm)	
COAOANOED	60 x 48 in	18.3 in	9.6 in	8.8 in	СТ
6048AN85B	(900 x 300 mm)	(466 mm)	(243 mm)	(223 mm)	ST
6048AN65B	60 x 48 in	21.6 in	9.6 in	12.0 in	WT
0040AN03B	(900 x 300 mm)	(548 mm)	(243 mm)	(305 mm)	VVI



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

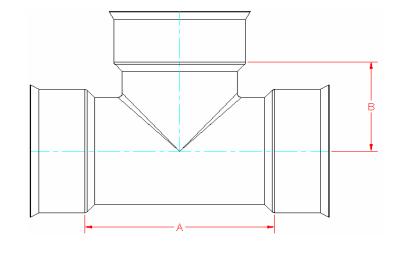


DRAWING #:	2540	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07
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^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

INJECTION MOLDED TEE 4" - 12" DIAMETER

PART #	PIPE SIZE	А	В	JOINT
0460ST	4 in (100 mm)	7.4 in (187 mm)	3.7 in (93 mm)	ST
0460WT	4 in (100 mm)	7.4 in (187 mm)	3.7 in (93 mm)	WT
0661ST	6 in (150 mm)	10.5 in (266 mm)	5.2 in (133 mm)	ST
0661WT	6 in (150 mm)	10.5 in (266 mm)	5.2 in (133 mm)	WT
0862ST	8 in (200 mm)	13.8 in (350 mm)	6.9 in (175 mm)	ST
0862WT	8 in (200 mm)	13.8 in (350 mm)	6.9 in (175 mm)	WT
1063ST	10 in (250 mm)	17.9 in (454 mm)	8.9 in (227 mm)	ST
1063WT	10 in (250 mm)	17.9 in (454 mm)	8.9 in (227 mm)	WT
1264ST	12 in (300 mm)	22.5 in (572 mm)	11.3 in (286 mm)	ST
1264WT	12 in (300 mm)	22.5 in (572 mm)	11.3 in (286 mm)	WT



NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

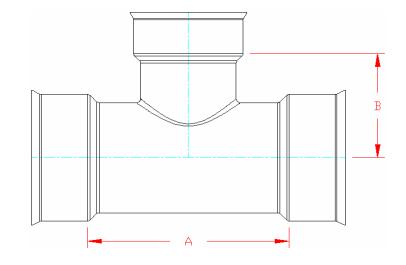
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



DRAWING #:	3000	
DRAWN BY:	JCB	07.28.06
APPROVED BY:	JCB	06.26.07
REVISIONS:	NJP	06.15.07
	·	

INJECTION MOLDED REDUCING TEE 6" x 4" - 10"×8" - 12"×8" DIAMETER

PART #	PIPE SIZE	Α	В	JOINT
0660ST	6 × 4 in (150 × 100 mm)	7.4 in (187 mm)	4.4 in (111 mm)	ST
0660WT	6 × 4 in (150 × 100 mm)	7.4 in (187 mm)	4.4 in (111 mm)	WT
1062ST	10 × 8 in (250 × 200 mm)	17.9 in (454 mm)	9.9 in (252 mm)	ST
1062WT	10 × 8 in (250 × 200 mm)	17.9 in (454 mm)	9.9 in (252 mm)	WT
1262WT	12 × 8 in (300 × 200 mm)	22.5 in (572 mm)	13.6 in (346 mm)	WT



NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

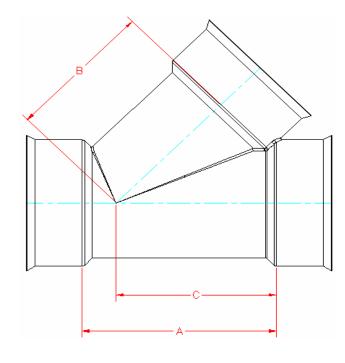
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



DRAWING #:	3010	
DRAWN BY:	JCB	04.24.07
APPROVED BY:		
REVISIONS:	TJR	10.17.07

INJECTION MOLDED 45° WYE 4" - 12" DIAMETER

PART #	PIPE SIZE	А	В	С	JOINT
0480ST	4 in (100 mm)	7.4 in (187 mm)	5.5 in (140 mm)	6.1 in (154 mm)	ST
0480WT	4 in (100 mm)	7.4 in (187 mm)	5.5 in (140 mm)	6.1 in (154 mm)	WT
0681ST	6 in (150 mm)	10.5 in (266 mm)	8.0 in (202 mm)	8.7 in (220 mm)	ST
0681WT	6 in (150 mm)	10.5 in (266 mm)	8.0 in (202 mm)	8.7 in (220 mm)	WT
0882ST	8 in (200 mm)	13.8 in (350 mm)	10.6 in (268 mm)	11.4 in (290 mm)	ST
0882WT	8 in (200 mm)	13.8 in (350 mm)	10.6 in (268 mm)	11.4 in (290 mm)	WT
1083ST	10 in (250 mm)	17.9 in (454 mm)	18.3 in (464 mm)	14.4 in (367 mm)	ST
1083WT	10 in (250 mm)	17.9 in (454 mm)	18.3 in (464 mm)	14.4 in (367 mm)	WT
1284ST	12 in (300 mm)	22.5 in (572 mm)	22.7 in (576 mm)	18.1 in (461 mm)	ST
1284WT	12 in (300 mm)	22.5 in (572 mm)	22.7 in (576 mm)	18.1 in (461 mm)	WT



NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

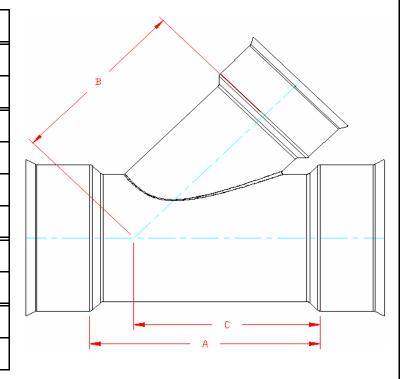
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



DRAWING #:	3100	
DRAWN BY:	JCB	07.28.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

INJECTION MOLDED 45° REDUCING WYE 6" x 4" - 8" x 4" - 8" x 6" -10"×8" - 12" x 6" - 12"×8" DIAMETER

PART #	PIPE SIZE	Α	В	С	JOINT
0680ST	6 × 4 in	6.3 in	8.3 in	4.8 in	ST
000031	(150 × 100 mm)	(161 mm)	(210 mm)	(123 mm)	5
0680WT	6 × 4 in	6.3 in	8.3 in	4.8 in	WT
0000	(150 × 100 mm)	(161 mm)	(210 mm)	(123 mm)	V V I
0000CT	8 × 4 in	10.7 in	10.0 in	9.2 in	ST
0880ST	(200 × 100 mm)	(271 mm)	(254 mm)	(233 mm)	5
0880WT	8 × 4 in	10.7 in	10.0 in	9.2 in	WT
0000001	(200 × 100 mm)	(271 mm)	(254 mm)	(233 mm)	VV 1
0881ST	8 × 6 in	12.6 in	11.3 in	10.8 in	ST
000131	(200 × 150 mm)	(320 mm)	(286 mm)	(275 mm)	31
0881WT	8 × 6 in	12.6 in	11.3 in	10.8 in	WT
0001771	(200 × 150 mm)	(320 mm)	(286 mm)	(275 mm)	V 1
1082ST	10 × 8 in	17.9 in	14.3 in	13.9 in	ST
100231	(250 × 200 mm)	(454 mm)	(362 mm)	(354 mm)	5
1082WT	10 × 8 in	17.9 in	14.3 in	13.9 in	WT
1082001	(250 × 200 mm)	(455 mm)	(362 mm)	(354 mm)	V V I
1001MT	12 × 6 in	17.1 in	15.8 in	14.5 in	WT
1281WT	(300 × 150 mm)	(435 mm)	(400 mm)	(369 mm)	VVI
1282WT	12 × 8 in	22.5 in	18.7 in	18.1 in	WT
1202001	(300 × 200 mm)	(572 mm)	(474 mm)	(461 mm)	VVI



NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



DRAWING #:	3110	
DRAWN BY:	JCB	04.24.07
APPROVED BY:		
REVISIONS:	TJR	10.17.07

INJECTION MOLDED 45° BEND 4" - 12" DIAMETER

PART#	PIPE SIZE	А	JOINT
0494ST	4 in (100 mm)	1.3 in (33 mm)	ST
0494WT	4 in (100 mm)	1.3 in (33 mm)	WT
0694ST	6 in (150 mm)	1.8 in (46 mm)	ST
0694WT	6 in (150 mm)	1.8 in (46 mm)	WT
0894ST	8 in (200 mm)	2.4 in (60 mm)	ST
0894WT	8 in (200 mm)	2.4 in (60 mm)	WT
1094ST	10 in (250 mm)	3.4 in (87 mm)	ST
1094WT	10 in (250 mm)	3.4 in (87 mm)	WT
1294ST	12 in (300 mm)	4.4 in (112 mm)	ST
1294WT	12 in (300 mm)	4.4 in (112 mm)	WT

45*

NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



DRAWING #:	3200	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

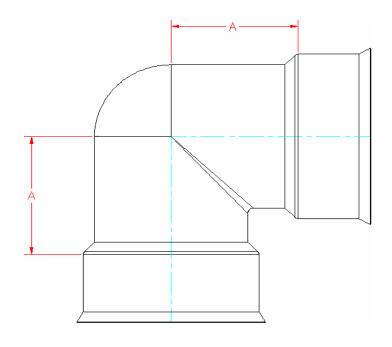
INJECTION MOLDED 90° BEND 4" - 12" DIAMETER

PART#	PIPE SIZE	А	JOINT
0499ST	4 in (100 mm)	3.7 in (93 mm)	ST
0499WT	4 in (100 mm)	3.7 in (93 mm)	WT
0699ST	6 in (150 mm)	5.2 in (133 mm)	ST
0699WT	6 in (150 mm)	5.2 in (133 mm)	WT
0899ST	8 in (200 mm)	6.9 in (175 mm)	ST
0899WT	8 in (200 mm)	6.9 in (175 mm)	WT
1099ST	10 in (250 mm)	8.9 in (227 mm)	ST
1099WT	10 in (250 mm)	8.9 in (227 mm)	WT
1299ST	12 in (300 mm)	11.3 in (286 mm)	ST
1299WT	12 in (300 mm)	11.3 in (286 mm)	WT

NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



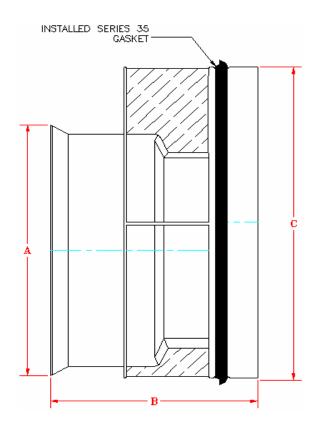
DRAWING #:	3300	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

INJECTION MOLDED BELL/SPIGOT REDUCER

PART #	PIPE SIZE	А	В	С	JOINT
0674WT	6 × 4 in (150 × 100 mm)	5.6 in (142 mm)	4.3 in (108 mm)	6.9 in (176 mm)	WT
0874WT	8 × 4 in (200 × 100 mm)	5.7 in (145 mm)	4.3 in (108 mm)	9.2 in (233 mm)	WT
0876WT	8 × 6 in (200 × 150 mm)	8.0 in (204 mm)	5.3 in (133 mm)	9.2 in (233 mm)	WT

NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)





DRAWING #:	3400	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

INJECTION MOLDED REDUCING BELL/BELL COUPLER

PART #	PIPE SIZE	А	В	С	JOINT
0614WT	6 × 4 in (150 × 100 mm)	5.6 in (142 mm)	6.6 in (167 mm)	7.9 in (201 mm)	WT
0814WT	8 × 4 in (200 × 100 mm)	5.7 in (145 mm)	6.6 in (167 mm)	10.4 in (263 mm)	WT
0816WT	8 × 6 in (200 × 150 mm)	8.0 in (204 mm)	7.7 in (196 mm)	10.4 in (263 mm)	WT
1018WT	10 × 8 in (200 × 100 mm)	10.3 in (262 mm)	9.9 in (250 mm)	12.9 in (327 mm)	WT
1218WT	12 × 8 in (200 × 150 mm)	10.4 in (265 mm)	11.2 in (285 mm)	16.3 in (413 mm)	WT
1210WT	12 × 10 in (200 × 100 mm)	13.0 in (329 mm)	12.3 in (313 mm)	16.3 in (413 mm)	WT

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NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT"
HAVE WATER TIGHT BELL CONNECTIONS. WATER
TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND
REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE
TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)



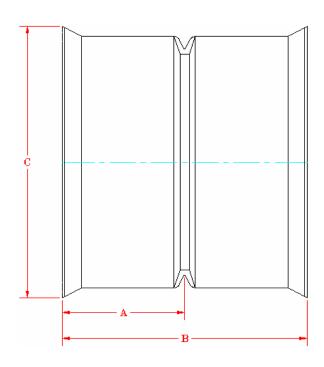
DRAWING #:	3500	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07
		, and the second

INJECTION MOLDED BELL/BELL COUPLER

PART #	PIPE SIZE	Α	В	С	JOINT
0413WT	4 × 4 in (100 × 100 mm)	2.3 in (59 mm)	4.7 in (119 mm)	5.6 in (141 mm)	WT
0613WT	6 × 6 in (150 × 150 mm)	3.5 in (88 mm)	6.9 in (176 mm)	7.9 in (201 mm)	WT
0813WT	8 × 8 in (200 × 200 mm)	4.3 in (108 mm)	8.6 in (217 mm)	10.4 in (263 mm)	WT
1013WT	10 × 10 in (250 × 250 mm)	5.5 in (140 mm)	11.0 in (279 mm)	12.9 in (326 mm)	WT

NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

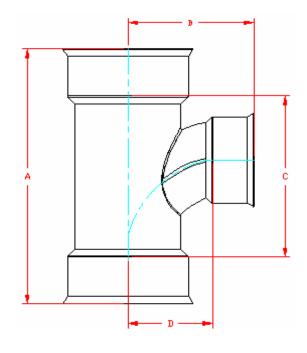




DRAWING #:	3600	
DRAWN BY:	JCB	03.28.07
APPROVED BY:		
REVISIONS:	TJR	10.17.07

INJECTION MOLDED SWEEPING TEE 8"×4" - 12"×6" DIAMETER

PART #	PIPE SIZE	Α	В	С	D	JOINT
0863ST	8 × 4 in	16.0 in	8.1 in	9.4 in	6.0 in	ST
000001	(200 × 100 mm)	(406 mm)	(206 mm)	(239 mm)	(151 mm)	5
0863WT	8 × 4 in	16.0 in	8.1 in	9.4 in	6.0 in	WT
0000	(200 × 100 mm)	(406 mm)	(206 mm)	(239 mm)	(151 mm)	** 1
0836ST	8 × 6 in	21.8 in	10.0 in	13.8 in	6.8 in	ST
000001	(200 × 150 mm)	(554 mm)	(255 mm)	(349 mm)	(171 mm)	5
0836WT	8 × 6 in	21.8 in	10.0 in	13.8 in	6.8 in	WT
0000	(200 × 150 mm)	(554 mm)	(255 mm)	(349 mm)	(171 mm)	** 1
1036ST	10 × 6 in	22.5 in	14.1 in	12.5 in	10.9 in	ST
103031	(250 × 150 mm)	(572 mm)	(359 mm)	(317 mm)	(276 mm)	5
1036WT	10 × 6 in	22.5 in	14.1 in	12.5 in	10.9 in	WT
1030771	(250 × 150 mm)	(572 mm)	(359 mm)	(317 mm)	(276 mm)	VVI
1236WT	12 × 6 in	24.5 in	14.1 in	11.8 in	10.9 in	WT
1230001	(300 × 150 mm)	(622 mm)	(359 mm)	(299 mm)	(276 mm)	VVI



NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)



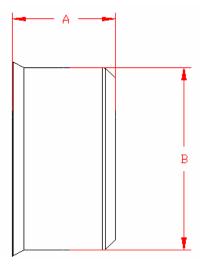
DRAWING #:	3700	
DRAWN BY:	JCB	03.28.07
APPROVED BY:		
REVISIONS:	TJR	10.17.07

INJECTION MOLDED END CAP

PART #	PIPE SIZE	А	В	JOINT
0432WT	4 in (100 mm)	2.7 in (67 mm)	5.1 in (131 mm)	WT
0632WT	6 in (150 mm)	3.9 in (98 mm)	7.3 in (185 mm)	WT

NOTE:

FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)





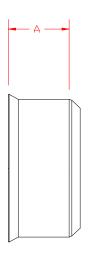
DRAWING #:	3800	
DRAWN BY:	JCB	03.28.07
APPROVED BY:		
REVISIONS:	NJP	06.15.07

INJECTION MOLDED BELL LENGTH (REFERENCE CHART)

BELL*
LENGTH
LLINGTIT
2.2 in
(56 mm)
3.3 in
(84 mm)
4.0 in
(102 mm)
5.0 in
(127 mm)
(127 mm) 6.4 in



DIMENSION IS NOT OVERALL BELL LENGTH AND IS TO BE ADDED TO RESPECTIVE FITTING'S INDICATED LAY LENGTH

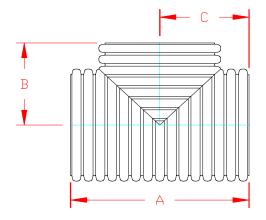




DRAWING #	# :	3900	
DRAWN BY	/ :	TJR	6/10/2009
APPROVED BY	/ :		
REVISIONS	3:		

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" SINGLE MANIFOLD 12" - 30" DIAMETER

PART #	PIPE SIZE	А	В	С
1251AN	12 in (300 mm)	25.4 in (645 mm)	12.7 in (323 mm)	12.7 in (323 mm)
1551AN	15 in (375 mm)	28.9 in (734 mm)	14.5 in (367 mm)	14.5 in (367 mm)
1851AN	18 in (450 mm)	35.3 in (895 mm)	17.6 in (448 mm)	17.6 in (448 mm)
		(000)	(: : • : : : : :)	(110111111)
2451AN	24 in (600 mm)	41.4 in (1051 mm)	20.7 in (526 mm)	20.7 in (526 mm)

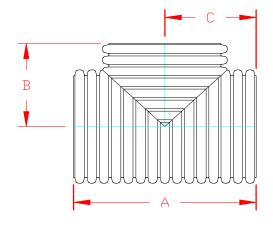




DRAWING #:	4000	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	5.12.09

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" SINGLE MANIFOLD 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В	С
3651AN	36 in (900 mm)	63.0 in (1599 mm)	31.5 in (800 mm)	31.5 in (800 mm)
4251AN	42 in	71.9 in	36.0 in	36.0 in
12017114	(1050 mm)	(1827 mm)	(914 mm)	(914 mm)
4851AN	48 in	78.5 in	39.3 in	39.3 in
400 TAIN	(1200 mm)	(1994 mm)	(997 mm)	(997 mm)
6051AN	60 in	90.0 in	45.0 in	45.0 in
OUSTAIN	(1500 mm)	(2286 mm)	(1143 mm)	(1143 mm)

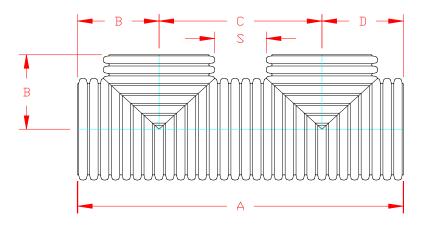




DRAWING #:	4000A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07
-		

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" DOUBLE MANIFOLD 12" - 30" DIAMETER

PART#	PIPE SIZE	А	В	С	D	S
1252AN	12 in (300 mm)	50.8 in (1290 mm)	12.7 in (323 mm)	25.4 in (645 mm)	12.7 in (323 mm)	11.0 in (279 mm)
1552AN	15 in (375 mm)	57.8 in (1468 mm)	14.5 in (367 mm)	28.9 in (734 mm)	14.5 in (367 mm)	11.4 in (289 mm)
1852AN	18 in	70.6 in	17.6 in	35.3 in	17.6 in	14.1 in
TOSZAN	(450 mm)	(1792 mm)	(448 mm)	(896 mm)	(448 mm)	(358 mm)
2452AN	(450 mm) 24 in (600 mm)	(1792 mm) 82.7 in (2102 mm)		(896 mm) 41.4 in (1051 mm)	(448 mm) 20.7 in (526 mm)	

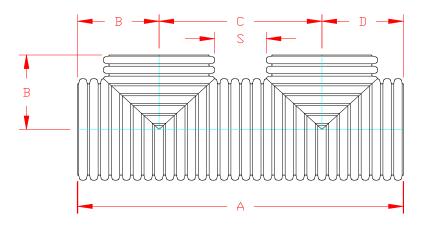




DRAWING #:	4005	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	5/12/2009
_		

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" DOUBLE MANIFOLD 36" - 60" DIAMETER

PART #	PIPE SIZE	А	В	С	D	S
3652AN	36 in	125.9 in	31.5 in	63.0 in	31.5 in	21.8 in
	(900 mm)	(3199 mm)	(800 mm)	(1599 mm)	(800 mm)	(554 mm)
4252AN	42 in	143.9 in	36.0 in	71.9 in	36.0 in	24.1 in
	(1050 mm)	(3654 mm)	(914 mm)	(1827 mm)	(914 mm)	(613 mm)
4852AN	48 in	157.0 in	39.3 in	78.5 in	39.3 in	24.9 in
	(1200 mm)	(3988 mm)	(997 mm)	(1994 mm)	(997 mm)	(632 mm)
6052AN	60 in (1500 mm)	180.0 in (4572 mm)	45.0 in (1143 mm)	90.0 in (2286 mm)	45.0 in (1143 mm)	23.9 in (607 mm)

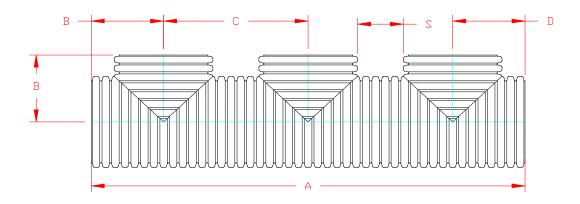




DRAWING #:	4005A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" TRIPLE MANIFOLD 12" - 36" DIAMETER

PART #	PIPE SIZE	А	В	С	D	S
1253AN	12 in	76.2 in	12.7 in	25.4 in	12.7 in	11.0 in
	(300 mm)	(1936 mm)	(323 mm)	(645 mm)	(323 mm)	(279 mm)
1553AN	15 in	86.7 in	14.5 in	28.9 in	14.5 in	11.4 in
IJJJAN	(375 mm)	(2202 mm)	(367 mm)	(734 mm)	(367 mm)	(289 mm)
1853AN	18 in	105.8 in	17.6 in	35.3 in	17.6 in	14.1 in
TOSSAIN	(450 mm)	(2688 mm)	(448 mm)	(897 mm)	(447 mm)	(358 mm)
2453AN	24 in	124.1 in	20.7 in	41.4 in	20.7 in	13.7 in
2455AN	(600 mm)	(3152 mm)	(526 mm)	(1051 mm)	(526 mm)	(348 mm)
3053AN	30 in	159.1 in	26.5 in	53.1 in	26.5 in	18.2 in
SUSSAIN	(750 mm)	(4042 mm)	(674 mm)	(1347 mm)	(674 mm)	(462 mm)
3653AN	36 in	188.9 in	31.5 in	63.0 in	31.5 in	21.8 in
JUJJAN	(900 mm)	(4798 mm)	(800 mm)	(1599 mm)	(800 mm)	(554 mm)

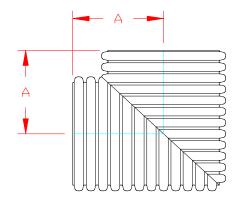




DRAWING #:	4010	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90° MANIFOLD BEND 12" - 30" DIAMETER

PART #	PIPE SIZE	А
1298AN	12 in (300 mm)	12.7 in (323 mm)
1598AN	15 in (375 mm)	14.5 in (367 mm)
1898AN	18 in (450 mm)	17.6 in (448 mm)
2498AN	24 in (600 mm)	20.7 in (526 mm)
3098AN	30 in (750 mm)	26.5 in (674 mm)

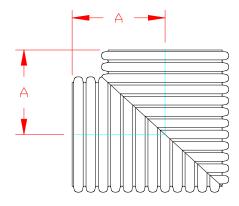




DRAWING #:	4015	
DRAWN BY:		03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90°MA NIFOLD BEND 36" - 60" DIAMETER

PART#	PIPE SIZE	А
3698AN	36 in (900 mm)	31.5 in (800 mm)
4298AN	42 in (1050 mm)	36.0 in (914 mm)
4898AN	48 in (1200 mm)	39.3 in (997 mm)
6098AN	60 in (1500 mm)	45.0 in (1143 mm)

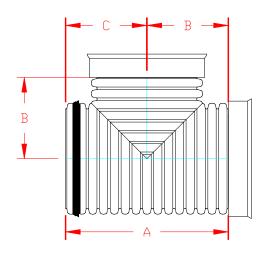




DRAWING #:	4015A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
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DUAL WALL FABRICATED "WATER TIGHT" "BELL END" SINGLE MANIFOLD 12" - 30" DIAMETER

PART #	PIPE SIZE	А	В	С
1251AN65B	12 in (300 mm)	25.4 in (645 mm)	10.8 in (273 mm)	14.7 in (372 mm)
1551AN65B	15 in (375 mm)	28.9 in (734 mm)	11.8 in (300 mm)	17.1 in (434 mm)
1851AN65B	18 in (450 mm)	35.3 in (896 mm)	14.7 in (373 mm)	20.6 in (523 mm)
2451AN65B	24 in (600 mm)	41.4 in (1051 mm)	17.7 in (450 mm)	23.6 in (600 mm)
3051AN65B	30 in (750 mm)	53.1 in (1347 mm)	22.4 in (570 mm)	30.6 in (777 mm)



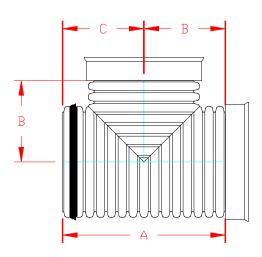
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4020	
DRAWN BY:		03.17.06
APPROVED BY:		06.28.07
REVISIONS:		05.12.09
NEVISIONS.	IJN	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "BELL END" SINGLE MANIFOLD 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В	С
3651AN65B	36 in (900 mm)	63.0 in (1599 mm)	26.2 in (666 mm)	36.7 in (933 mm)
4251AN65B	42 in	71.9 in	36.0 in	36.0 in
42017(1 1 00B	(1050 mm)	(1827 mm)	(914 mm)	(914 mm)
4851AN65B	48 in	78.5 in	39.3 in	39.3 in
400 TAIN00D	(1200 mm)	(1994 mm)	(997 mm)	(997 mm)
COE1 ANGED	60 in	90.0 in	39.0 in	51.0 in
6051AN65B	(1500 mm)	(2286 mm)	(991 mm)	(1295 mm)



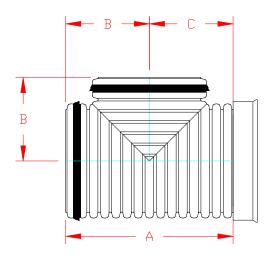
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4020A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" SINGLE MANIFOLD 12" - 30" DIAMETER

PART #	PIPE SIZE	А	В	С
1251AN65G	12 in (300 mm)	25.4 in (645 mm)	14.7 in (372 mm)	10.8 in (273 mm)
1551AN65G	15 in (375 mm)	28.9 in (734 mm)	17.1 in (434 mm)	11.8 in (300 mm)
1851AN65G	18 in (450 mm)	35.3 in (896 mm)	20.6 in (523 mm)	14.7 in (373 mm)
1851AN65G 2451AN65G				

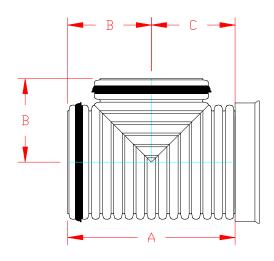




DRAWING #:	4025	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	KCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" SINGLE MANIFOLD 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В	С
3651AN65G	36 in (900 mm)	63.0 in (1599 mm)	36.7 in (933 mm)	26.2 in (666 mm)
4251AN65G	42 in (1050 mm)	71.9 in (1827 mm)	36.0 in (914 mm)	36.0 in (914 mm)
	48 in	78.5 in	39.3 in	39.3 in
4851AN65G	(1200 mm)	(1994 mm)	(997 mm)	(997 mm)
6051AN65G	60 in	90.0 in	51.0 in	39.0 in
0031711030	(1500 mm)	(2286 mm)	(1295 mm)	(991 mm)

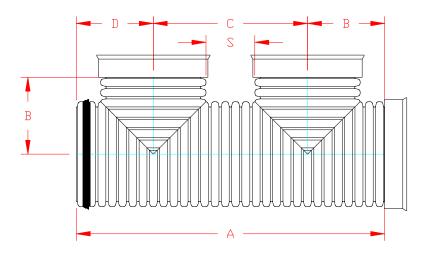




DRAWING #:	4025A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:		
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "WATER TIGHT" "BELL END" DOUBLE MANIFOLD 12" - 30" DIAMETER

PART#	PIPE SIZE	А	В	С	D	S
1252AN65B	12 in (300 mm)	50.8 in (1290 mm)	10.8 in (273 mm)	25.4 in (645 mm)	14.7 in (372 mm)	11.0 in (279 mm)
1552AN65B	15 in (375 mm)	57.8 in (1468 mm)	11.8 in (300 mm)	28.9 in (734 mm)	17.1 in (434 mm)	11.4 in (289 mm)
1852AN65B	18 in (450 mm)	70.6 in (1792 mm)	14.7 in (373 mm)	35.3 in (896 mm)	20.6 in (523 mm)	14.1 in (358 mm)
2452AN65B	24 in (600 mm)	82.7 in (2102 mm)	17.7 in (450 mm)	41.4 in (1051 mm)	23.6 in (600 mm)	13.7 in (348 mm)
3052AN65B	30 in (750 mm)	106.1 in (2695 mm)	22.4 in (570 mm)	53.1 in (1347 mm)	30.6 in (777 mm)	18.2 in (462 mm)



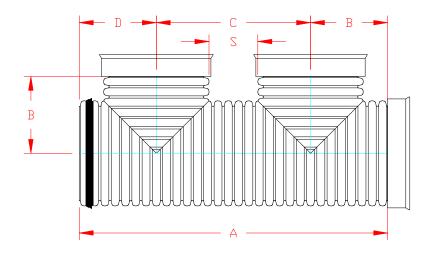
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4030	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09
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DUAL WALL FABRICATED "WATER TIGHT" "BELL END" DOUBLE MANIFOLD 36" - 60" DIAMETER

PART #	PIPE SIZE	А	В	С	D	S
3652AN65B	36 in (900 mm)	125.9 in (3199 mm)	26.2 in (666 mm)	63.0 in (1599 mm)	36.7 in (933 mm)	21.8 in (554 mm)
4252AN65B	42 in (1050 mm)	143.9 in (3654 mm)	36.0 in (914 mm)	71.9 in (1827 mm)	36.0 in (914 mm)	24.1 in (613 mm)
4852AN65B	48 in (1200 mm)	157.0 in (3988 mm)	39.3 in (997 mm)	78.5 in (1994 mm)	39.3 in (997 mm)	24.9 in (632 mm)
6052AN65B	60 in (1500 mm)	180.0 in (4572 mm)	39.0 in (991 mm)	90.0 in (2286 mm)	51.0 in (1295 mm)	23.9 in (607 mm)



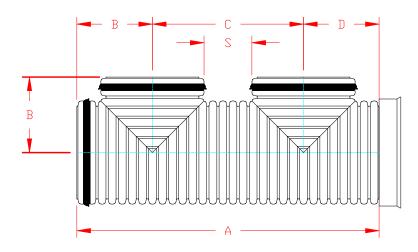
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4030A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" DOUBLE MANIFOLD 12" - 30" DIAMETER

PART#	PIPE SIZE	А	В	С	D	S
1252AN65G	12 in (300 mm)	50.8 in (1290 mm)	14.7 in (372 mm)	25.4 in (645 mm)	10.8 in (273 mm)	11.0 in (279 mm)
1552AN65G	15 in (375 mm)	57.8 in (1468 mm)	17.1 in (434 mm)	28.9 in (734 mm)	11.8 in (300 mm)	11.4 in (289 mm)
1852AN65G	18 in (450 mm)	70.6 in (1792 mm)	20.6 in (523 mm)	35.3 in (896 mm)	14.7 in (373 mm)	14.1 in (358 mm)
2452AN65G	24 in (600 mm)	82.7 in (2102 mm)	23.6 in (600 mm)	41.4 in (1051 mm)	17.7 in (450 mm)	13.7 in (347 mm)
3052AN65G	30 in (750 mm)	106.1 in (2695 mm)	30.6 in (777 mm)	53.1 in (1347 mm)	22.4 in (570 mm)	18.2 in (462 mm)

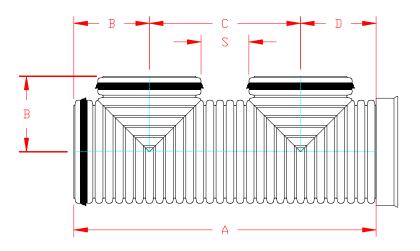




DRAWING #:	4035	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" DOUBLE MANIFOLD 36" - 60" DIAMETER

PART #	PIPE SIZE	А	В	С	D	S
3652AN65G	36 in (900 mm)	125.9 in (3199 mm)	36.7 in (933 mm)	63.0 in (1599 mm)	26.2 in (666 mm)	21.8 in (554 mm)
4252AN65G	42 in	143.9 in	36.0 in	71.9 in	36.0 in	24.1 in
	(1050 mm)	(3654 mm)	(914 mm)	(1827 mm)	(914 mm)	(613 mm)
4852AN65G	48 in	157.0 in	39.3 in	78.5 in	39.3 in	24.9 in
4032AN03G	(1200 mm)	(3988 mm)	(997 mm)	(1994 mm)	(997 mm)	(632 mm)
6052AN65G	60 in	180.0 in	51.0 in	90.0 in	39.0 in	23.9 in
6032AN63G	(1500 mm)	(4572 mm)	(1295 mm)	(2286 mm)	(991 mm)	(607 mm)

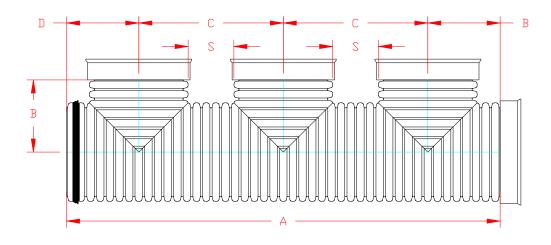




DRAWING #:	4035A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "WATER TIGHT" "BELL END" TRIPLE MANIFOLD 12" - 36" DIAMETER

PART#	PIPE SIZE	А	В	С	D	S
1253AN65B	12 in	76.2 in	10.8 in	25.4 in	14.7 in	11.0 in
1233AN03D	(300 mm)	(1936 mm)	(273 mm)	(645 mm)	(372 mm)	(279 mm)
1553AN65B	15 in	86.7 in	11.8 in	28.9 in	17.1 in	11.4 in
ISSSANOSE	(375 mm)	(2202 mm)	(300 mm)	(734 mm)	(434 mm)	(289 mm)
1853AN65B	18 in	105.8 in	14.7 in	35.3 in	20.6 in	14.1 in
TOSSANOSE	(450 mm)	(2688 mm)	(373 mm)	(896 mm)	(523 mm)	(358 mm)
2453AN65B	24 in	124.1 in	17.7 in	41.4 in	23.6 in	13.7 in
2433AN03D	(600 mm)	(3152 mm)	(450 mm)	(1051 mm)	(600 mm)	(348 mm)
3053AN65B	30 in	159.1 in	22.4 in	53.1 in	30.6 in	18.2 in
SUSSAINOSE	(750 mm)	(4042 mm)	(570 mm)	(1347 mm)	(777 mm)	(462 mm)
3653AN65B	36 in	188.9 in	26.2 in	63.0 in	36.7 in	21.8 in
JUJJANUJD	(900 mm)	(4798 mm)	(666 mm)	(1599 mm)	(933 mm)	(554 mm)



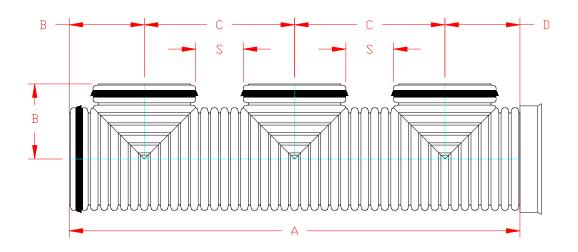
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4040	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" TRIPLE MANIFOLD 12" - 36" DIAMETER

PART#	PIPE SIZE	А	В	С	D	S
1253AN65G	12 in	76.2 in	14.7 in	25.4 in	10.8 in	11.0 in
	(300 mm)	(1936 mm)	(372 mm)	(645 mm)	(273 mm)	(279 mm)
1553AN65G	15 in	86.7 in	17.1 in	28.9 in	11.8 in	11.4 in
1333711034	(375 mm)	(2202 mm)	(434 mm)	(734 mm)	(300 mm)	(289 mm)
1853AN65G	18 in	105.8 in	20.6 in	35.3 in	14.7 in	14.1 in
TOSSANOSC	(450 mm)	(2688 mm)	(523 mm)	(896 mm)	(373 mm)	(358 mm)
2453AN65G	24 in	124.1 in	23.6 in	41.4 in	17.7 in	13.7 in
2433AN03G	(600 mm)	(3152 mm)	(600 mm)	(1051 mm)	(450 mm)	(348 mm)
3053AN65G	30 in	159.1 in	30.6 in	53.1 in	22.4 in	18.2 in
3033AN03G	(750 mm)	(4042 mm)	(777 mm)	(1347 mm)	(570 mm)	(462 mm)
3653AN65G	36 in	188.9 in	36.7 in	63.0 in	26.2 in	21.8 in
SOSANOSG	(900 mm)	(4798 mm)	(933 mm)	(1599 mm)	(666 mm)	(554 mm)

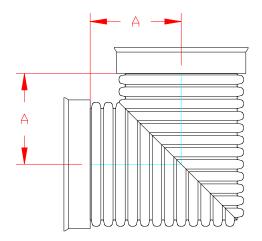




DRAWING #:	4045	
DRAWN BY:	AWM	03.17.06
APPROVED BY:		06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "BELL-BELL" 90° MANIFOLD BEND 12" - 30" DIAMETER

PART #	PIPE SIZE	А
1298AN65BB	12 in (300 mm)	10.8 in (273 mm)
1598AN65BB	15 in (375 mm)	11.8 in (300 mm)
1898AN65BB	18 in (450 mm)	14.7 in (373 mm)
2498AN65BB	24 in (600 mm)	17.7 in (450 mm)
3098AN65BB	30 in	22.4 in (570 mm)



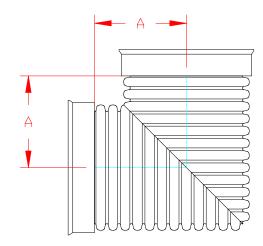
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4050	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "BELL-BELL" 90°M ANIFOLD BEND 36" - 60" DIAMETER

PART#	PIPE SIZE	А
3698AN65BB	36 in (900 mm)	26.2 in (666 mm)
4298AN65BB	42 in (1050 mm)	36.0 in (914 mm)
4898AN65BB	48 in (1200 mm)	39.3 in (997 mm)
6098AN65BB	60 in (1500 mm)	39.0 in (991 mm)



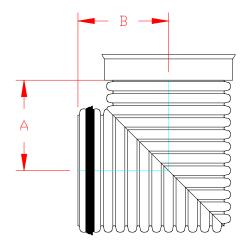
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4050A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07
-		

DUAL WALL FABRICATED "WATER TIGHT" "BELL-GASKET" 90° MANIFOLD BEND 12" - 30" DIAMETER

PART #	PIPE SIZE	А	В
1298AN65BG	12 in (300 mm)	10.8 in (273 mm)	14.7 in (372 mm)
1598AN65BG	15 in	11.8 in	17.1 in
	(375 mm)	(300 mm)	(434 mm)
1898AN65BG	18 in	14.7 in	20.6 in
	(450 mm)	(373 mm)	(523 mm)
2498AN65BG	24 in (600 mm)	17.7 in (450 mm)	23.6 in (600 mm)
3098AN65BG	30 in	22.4 in	30.6 in
	(750 mm)	(570 mm)	(777 mm)



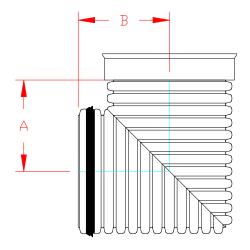
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4055	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "BELL-GASKET" 90° MANIFOLD BEND 36" - 60" DIAMETER

PART#	PIPE SIZE	А	В
3698AN65BG	36 in (900 mm)	26.2 in (666 mm)	36.7 in (933 mm)
4298AN65BG	42 in	36.0 in	36.0 in
12007 11 10020	(1050 mm)	(914 mm)	(914 mm)
4898AN65BG	48 in	39.3 in	39.3 in
4090AN03DO	(1200 mm)	(997 mm)	(997 mm)
6098AN65BG	60 in	39.0 in	51.0 in
OUSOAINOODG	(1500 mm)	(991 mm)	(1295 mm)



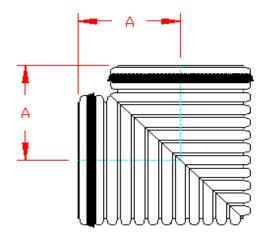
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



DRAWING #:	4055A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED "WATER TIGHT" "GASKET-GASKET" 90° MANIFOLD BEND 12" - 30" DIAMETER

PART #	PIPE SIZE	А
1298AN65GG	12 in (300 mm)	14.7 in (372 mm)
1598AN65GG	15 in (375 mm)	17.1 in (434 mm)
1898AN65GG	18 in (450 mm)	20.6 in (523 mm)
2498AN65GG	24 in (600 mm)	23.6 in (600 mm)
3098AN65GG	30 in (750 mm)	30.6 in (777 mm)

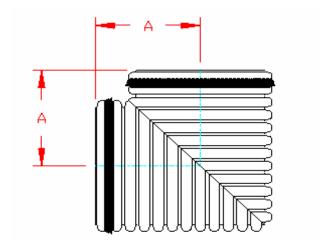




DRAWING #:	4060	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	05.12.09

DUAL WALL FABRICATED "WATER TIGHT" "GASKET-GASKET" 90° MANIFOLD BEND 36" - 60" DIAMETER

PART#	PIPE SIZE	А
3698AN65GG	36 in (900 mm)	36.7 in (933 mm)
4298AN65GG	42 in (1050 mm)	36.0 in (914 mm)
4898AN65GG	48 in (1200 mm)	39.3 in (997 mm)
6098AN65GG	60 in (1500 mm)	51.0 in (1295 mm)





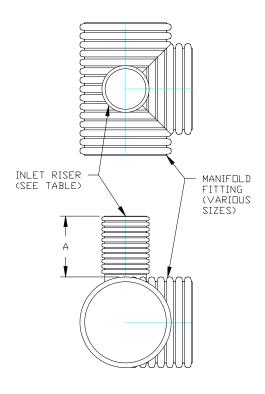
DRAWING #:	4060A	
DRAWN BY:	AWM	03.17.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.28.07

DUAL WALL FABRICATED MANIFOLD INLET RISER

PART#	PIPE SIZE	А
0403AN	4 in (100 mm)	24.0 in (610 mm)
0603AN	6 in (150 mm)	24.0 in (610 mm)
0803AN	8 in (200 mm)	24.0 in (610 mm)
1003AN	10 in (250 mm)	24.0 in (610 mm)
1203AN	12 in (300 mm)	24.0 in (610 mm)
1503AN	15 in (375 mm)	36.0 in (914 mm)
1803AN	18 in (450 mm)	36.0 in (914 mm)
2403AN	24 in (600 mm)	36.0 in (914 mm)

This component item can only be ordered with standard manifold fittings or standard pipe. When ordering this component item, be sure to include shop drawing showing the location of inlet riser on standard manifold or pipe product.

Contact your local sales representitive for acceptable size combinations, ie 48" manifold fitting with a 24" riser. Not all combinations of inlet riser on standard manifold or pipe product are allowed.



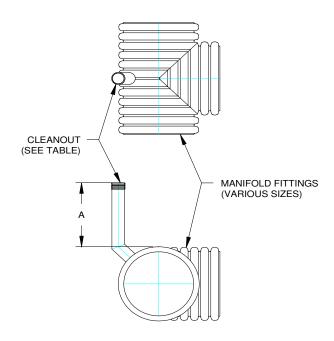
ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	4065	
DRAWN BY:	AWM	07.13.06
APPROVED BY:	JCB	06.21.07
REVISIONS:	NJP	06.20.07

DUAL WALL FABRICATED MANIFOLD CLEANOUT RISER

PART#	PIPE SIZE	А
0402AN	4 in (100 mm)	36.0 in (914 mm)
0602AN	6 in (150 mm)	36.0 in (914 mm)
0802AN	8 in (200 mm)	36.0 in (914 mm)

This component item can only be ordered with standard manifold fittings or standard pipe. When ordering this component item, be sure to include shop drawing showing the location of cleanout riser on standard manifold.





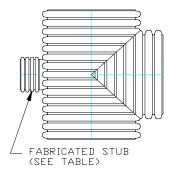
DRAWING #:	4070	
DRAWN BY:	AWM	07.13.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	10.23.07

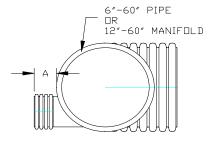
DUAL WALL FABRICATED STUB

PART #	PIPE SIZE	А
0406AN	4 in (100 mm)	12.0 in (305 mm)
0606AN	6 in (150 mm)	12.0 in (305 mm)
0806AN	8 in (200 mm)	12.0 in (305 mm)
1006AN	10 in (250 mm)	12.0 in (305 mm)
1206AN	12 in (300 mm)	12.0 in (305 mm)
1506AN	15 in (375 mm)	16.0 in (406 mm)
1806AN	18 in (450 mm)	16.0 in (406 mm)
2406AN	24 in (600 mm)	16.0 in (406 mm)

This component item can only be ordered with standard manifold fittings or standard pipe. When ordering this component item, be sure to include shop drawing showing the location of stub on standard manifold or pipe product.

Contact your local sales representitive for acceptable size combinations, ie 48" manifold fitting with a 24" stub. **Not all combinations of stub on standard manifold or pipe product are allowed.**



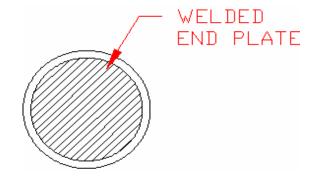




DRAWING #:	4075	
DRAWN BY:	AWM	07.13.06
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
	·	·

WELDED END PLATE (ST/WT CONNECTION)

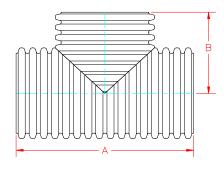
PART #	PIPE SIZE	PLATE THICKNESS	STIFFENERS
0409AN	4 in (100 mm)	0.25"	0
0609AN	6 in (150 mm)	0.25"	0
0809AN	8 in (200 mm)	0.25"	0
1009AN	10 in (250 mm)	0.25"	0
1209AN	12 in (300 mm)	0.25"	0
1509AN	15 in (375 mm)	0.25"	0
1809AN	18 in (450 mm)	0.375"	0
2409AN	24 in (600 mm)	0.375"	0
3009AN	30 in (750 mm)	0.375"	0
3609AN	36 in (900 mm)	0.5"	2
4209AN	42 in (1050 mm)	0.5"	2
4809AN	48 in (1200 mm)	0.5"	2
6009AN	60 in (1500 mm)	0.5"	2





DRAWING #:	4080	
DRAWN BY:	CRM	02.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" SINGLE MANIFOLD 6" - 24" DIAMETER



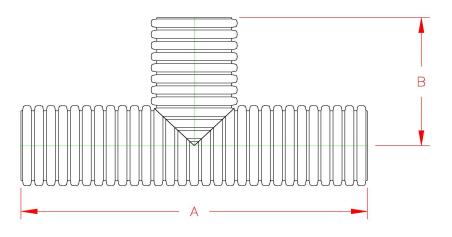
PART #	PIPE SIZE	CHAMBER SIZE	А	В
0651AN7406	6 in (150 mm)	SC-740	57.0 in (1447 mm)	28.5 in (724 mm)
0851AN7408	8 in (200 mm)	SC-740	56.6 in (1439 mm)	28.3 in (719 mm)
1051AN7410	10 in (250 mm)	SC-740	56.7 in (1440 mm)	28.4 in (720 mm)
1251AN7412	12 in (300 mm)	SC-740	57.6 in (1463 mm)	28.8 in (732 mm)
1551AN7415	15 in (375 mm)	SC-740	57.0 in (1447 mm)	28.5 in (724 mm)
1851AN7418	18 in (450 mm)	SC-740	56.3 in (1430 mm)	28.1 in (715 mm)
2451AN7424	24 in (600 mm)	SC-740	56.7 in (1440 mm)	28.4 in (720 mm)

PART#	PIPE SIZE	CHAMBER SIZE	Α	В
0651AN3106	6 in (150 mm)	SC-310	39.3 in (997 mm)	19.6 in (499 mm)
0851AN3108	8 in	SC-310	39.4 in	19.7 in
000171140100	(200 mm)	00 010	(1000 mm)	(500 mm)
1051AN3110	10 in	SC-310	39.1 in	19.5 in
10314113110	(250 mm)	30-310	(992 mm)	(496 mm)
1251AN3112	12 in	SC-310	40.3 in	20.2 in
123174113112	(300 mm)	30-310	(1024 mm)	(512 mm)



DRAWING #:	5000	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE MANIFOLD 12" - 24" DIAMETER

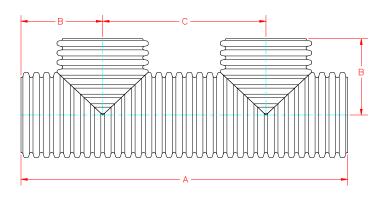


PART#	PIPE SIZE	CHAMBER SIZE	Α	В
1251AN3512	12 in (300 mm)	3500	80.0 in (2031 mm)	26.4 in (671 mm)
1551AN3515	15 in	3500	81.2 in	30.1 in
10017410010	(375 mm)	3300	(2063 mm)	(765 mm)
1851AN3518	18 in	3500	80.4 in	34.8 in
10317410310	(450 mm)	3300	(2042 mm)	(885 mm)
2451AN3524	24 in	3500	81.9 in	41.0 in
2451AN3524	(600 mm)	3300	(2080 mm)	(1041 mm)



DRAWING #:	5005	
DRAWN BY:	CAS	04.24.09
APPROVED BY:		
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" DOUBLE MANIFOLD 6" - 24" DIAMETER



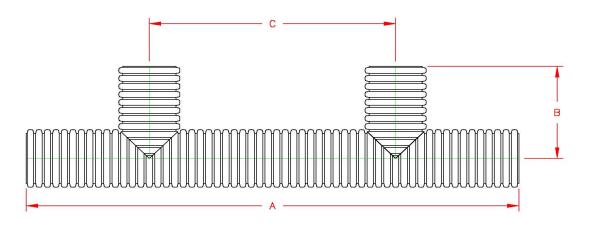
PART #	PIPE SIZE	CHAMBER SIZE	А	В	С
0652AN7406	6 in	SC-740	114.0 in	28.5 in	57.0 in
	(150 mm)		(2896 mm)	(724 mm)	(1447 mm)
0852AN7408	8 in	SC-740	113.3 in	28.3 in	56.6 in
0002/111/ 400	(200 mm)	00 740	(2877 mm)	(719 mm)	(1439 mm)
1052AN7410	10 in	SC-740	113.4 in	28.4 in	56.7 in
1032AN7410	(250 mm)	SC-740	(2880 mm)	(720 mm)	(1440 mm)
	40 !		1150:	00.0.	F7 0 :
1252AN7/12	12 in	SC-740	115.2 in	28.8 in	57.6 in
1252AN7412	(300 mm)	SC-740	115.2 in (2926 mm)	28.8 in (732 mm)	57.6 in (1463 mm)
1252AN7412 1552AN7415	(300 mm)	SC-740 SC-740	(2926 mm)	(732 mm)	(1463 mm)
1552AN7415	(300 mm) 15 in	SC-740	(2926 mm) 114.0 in	(732 mm) 28.5 in	(1463 mm) 57.0 in
	(300 mm) 15 in (375 mm)		(2926 mm) 114.0 in (2895 mm)	(732 mm) 28.5 in (724 mm)	(1463 mm) 57.0 in (1447 mm)
1552AN7415	(300 mm) 15 in (375 mm) 18 in	SC-740	(2926 mm) 114.0 in (2895 mm) 112.6 in	(732 mm) 28.5 in (724 mm) 28.1 in	(1463 mm) 57.0 in (1447 mm) 56.3 in

PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С
0652AN3106	6 in (150 mm)	SC-310	78.5 in (1995 mm)	19.6 in (499 mm)	39.3 in (997 mm)
0852AN3108	8 in (200 mm)	SC-310	78.7 in (1999 mm)	19.7 in (500 mm)	39.4 in (1001 mm)
1052AN3110	10 in (250 mm)	SC-310	79.4 in (2016 mm)	19.5 in (496 mm)	39.1 in (992 mm)
1252AN3112	12 in (300 mm)	SC-310	80.6 in (2048 mm)	20.2 in (512 mm)	40.3 in (1024 mm)



DRAWING #:	5050	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE MANIFOLD 12" - 24" DIAMETER

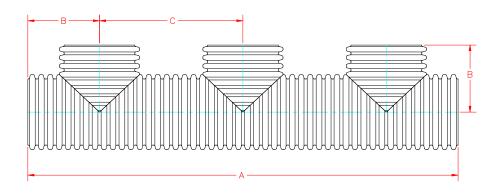


PART #	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
1252AN3512	12 in (300 mm)	3500	159.9 in (4061 mm)	26.4 in (670 mm)	80.0 in (2032 mm)	40.0 in (1016 mm)
1552AN3515	15 in (375 mm)	3500	162.4 in (4126 mm)	30.1 in (765 mm)	81.2 in (2062 mm)	40.6 in (1031 mm)
1852AN3518	18 in (450 mm)	3500	160.8 in (4084 mm)	34.8 in (884 mm)	80.4 in (2042 mm)	40.2 in (1021 mm)
2452AN3524	24 in (600 mm)	3500	163.8 in (4161 mm)	41.0 in (1041 mm)	81.9 in (2080 mm)	41.0 in (1040 mm)



DRAWING #:	5055	
DRAWN BY:	CAS	4.2409
APPROVED BY:		
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" TRIPLE MANIFOLD 6" - 24" DIAMETER



PART #	PIPE SIZE	CHAMBER SIZE	Α	В	С
0653AN7406	6 in	SC -740	170.9 in	28.6 in	57.0 in
000071117 100	(150 mm)	00 7.0	(4342 mm)	(727 mm)	(1447 mm)
0853AN7408	8 in	SC -740	169.9 in	28.3 in	56.6 in
0000AN7 400	(200 mm)	00 -7 1 0	(4316 mm)	(719 mm)	(1439 mm)
1053AN7410	10 in	SC -740	170.1 in	28.4 in	56.7 in
1055AN7410	(250 mm)	SC -740	(4321 mm)	(720 mm)	(1440 mm)
1253AN7/12	12 in	SC -740	172.8 in	28.8 in	57.6 in
1253AN7412	12 in (300 mm)	SC -740	172.8 in (4389 mm)	28.8 in (732 mm)	57.6 in (1463 mm)
	.=				
1253AN7412 1553AN7415	(300 mm)	SC -740 SC -740	(4389 mm)	(732 mm)	(1463 mm)
1553AN7415	(300 mm) 15 in	SC -740	(4389 mm) 170.9 in	(732 mm) 28.5 in	(1463 mm) 57.0 in
	(300 mm) 15 in (375 mm)		(4389 mm) 170.9 in (4342 mm)	(732 mm) 28.5 in (724 mm)	(1463 mm) 57.0 in (1447 mm)
1553AN7415	(300 mm) 15 in (375 mm) 18 in	SC -740	(4389 mm) 170.9 in (4342 mm) 168.8 in	(732 mm) 28.5 in (724 mm) 28.1 in	(1463 mm) 57.0 in (1447 mm) 56.3 in

PART#	PIPE SIZE	CHAMBER A SIZE		В	С
0653AN3106	6 in (150 mm)	SC-310	117.8 in (2992 mm)	19.6 in (499 mm)	39.3 in (997 mm)
0853AN3108	8 in (200 mm)	SC-310	118.1 in (2999 mm)	19.7 in (500 mm)	39.4 in (1000 mm)
1053AN3110	10 in (250 mm)	SC-310	117.2 in (2976 mm)	19.5 in (496 mm)	39.1 in (992 mm)
1253AN3112	12 in (300 mm)	SC-310	121.0 in (3072 mm)	20.1 in (511 mm)	40.3 in (1024 mm)

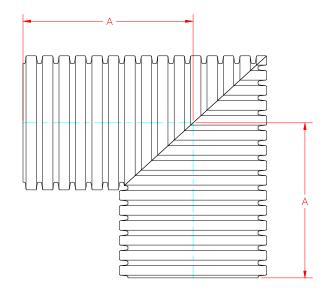


DRAWING #:	5100	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90° MANIFOLD BEND 6" - 24" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	А
0698AN74	6 in (150 mm)	SC-740	28.6 in (727 mm)
0898AN74	8 in (200 mm)	SC-740	28.3 in (719 mm)
1098AN74	10 in (250 mm)	SC-740	28.4 in (720 mm)
1298AN74	12 in (300 mm)	SC-740	28.8 in (732 mm)
1598AN74	15 in (375 mm)	SC-740	28.5 in (724 mm)
1898AN74	18 in (450 mm)	SC-740	28.1 in (715 mm)
2498AN74	24 in (600 mm)	SC-740	28.4 in (720 mm)

PART#	PIPE SIZE	PIPE SIZE	А
0698AN31	6 in (150 mm)	SC-310	19.6 in (499 mm)
0898AN31	8 in (200 mm)	SC-310	19.7 in (500 mm)
1098AN31	10 in (250 mm)	SC-310	19.5 in (496 mm)
1298AN31	12 in (300 mm)	SC-310	20.2 in (512 mm)

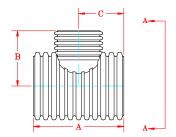


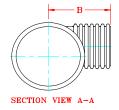


DRAWING #:	5150	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 8" - 24" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	А	В	С
0851AN3106	8" x 6" in	SC-310	39.4 in	11.4 in	19.7 in
	(200 x 150 mm)		(1000 mm)	(289 mm)	(500 mm)
1051AN3106	10" x 6" in	SC-310	39.1 in	12.4 in	19.5 in
100171110100	(250 x 150 mm)		(992 mm)	(315 mm)	(496 mm)
1051AN3108	10" X 8" in	SC-310	39.1 in	13.7 in	19.5 in
	(250 x 200 mm)		(992 mm)	(348 mm)	(496 mm)
1251AN3106	12" x 6" in	SC-310	40.3 in	14.4 in	20.2 in
120171110100	(300 x 150 mm)		(1024 mm)	(366 mm)	(512 mm)
1251AN3108	12" x 8" in	SC-310	40.3 in	15.7 in	20.2 in
	(300 x 200 mm)		(1024 mm)	(399 mm)	(512 mm)
1251AN3110	12" x 10" in	SC-310	40.3 in	16.6 in	20.2 in
	(300 x 250 mm)		(1024 mm)	(421 mm)	(512 mm)
1551AN3106	15" x 6" in	SC-310	38.9 in	13.4 in	19.9 in
	(375 x 150 mm)		(988 mm)	(341 mm)	(504 mm)
1551AN3108	15" x 8" in	SC-310	38.9 in	15.5 in	19.9 in
	(375 x 200 mm)		(988 mm)	(394 mm)	(504 mm)
1551AN3110	15" x 10" in	SC-310	38.9 in	16.4 in	19.9 in
	(375 x 250 mm)		(988 mm)	(415 mm)	(504 mm)
1551AN3112	15" x 12" in	SC-310	38.9 in	18.4 in	19.9 in
	(375 x 300 mm)		(988 mm)	(467 mm)	(504 mm)
1851AN3106	18" x 6" in	SC-310	40.2 in	17.4 in	20.1 in
	(450 x 150 mm)		(1021 mm)	(442 mm)	(511 mm)
1851AN3108	18" x 8" in	SC-310	40.2 in	18.7 in	20.1 in
	(450 x 200 mm)		(1021 mm)	(475 mm)	(511 mm)
1851AN3110	18" x 10" in	SC-310	40.2 in	19.6 in	20.1 in
	(450 x 250 mm)		(1021 mm)	(497 mm)	(511 mm)
1851AN3112	18" x 12" in	SC-310	40.2 in	21.6 in	20.1 in
	(450 x 300 mm)		(1021 mm)	(549 mm)	(511 mm)
2451AN3106	24" x 6" in	SC-310	41.0 in	19.7 in	20.5 in
	(600 x 150 mm)		(1040 mm)	(501 mm)	(520 mm)
2451AN3108	24" x 8" in	SC-310	41.0 in	22.2 in	20.5 in
	(600 x 200 mm)		(1040 mm)	(563 mm)	(520 mm)
2451AN3110	24" x 10" in	SC-310	41.0 in	22.6 in	20.5 in
	(600 x 250 mm)		(1040 mm)	(575 mm)	(520 mm)
2451AN3112	24" X 12" in	SC-310	41.0 in	24.6 in	20.5 in
	(600 x 300 mm)		(1040 mm)	(625 mm)	(520 mm)

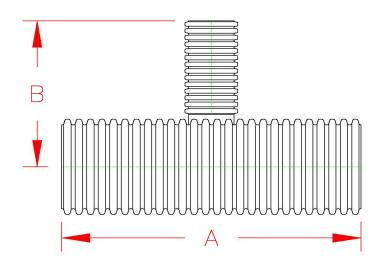


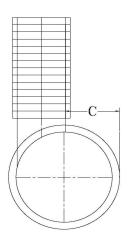




DRAWING #:		
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE REDUCING MANIFOLD 15"-24" DIAMETER (ECC)





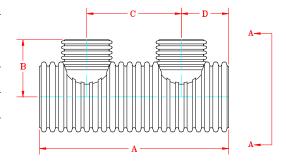
PART #	PIPE SIZE	CHAMBER SIZE	А	A B	
1551AN3512	15" x 12" in (375 x 300 mm)	3500	3500 81.2 in (2063 mm)		4.2 in (107 mm)
1851AN3512	18" x 12" in (450 x 300 mm)	3500	80.4 in (2042 mm)	30.6 in (777 mm)	7.6 in (193 mm)
1851AN3515	18" x 15" in (450 x 375 mm)	3500	80.4 in (2042 mm)	30.9 in (785 mm)	4.7 in (120 mm)
2451AN3512	24" X 12" in (600 x 300 mm)	3500	81.9 in (2080 mm)	34.8 in (884 mm)	13.9 in (352 mm)
2451AN3515	24" x 15" in (600 x 375 mm)	3500	81.9 in (2080 mm)	34.5 in (876 mm)	11.0 in (280 mm)
2451AN3518	24" X 18" in (250 x 450 mm)	3500	81.9 in (2080 mm)	34.0 in (864 mm)	7.9 in (202 mm)

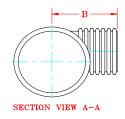


DRAWING #:	5205	
DRAWN BY:	CAS	04.24.09
APPROVED BY:		
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 8" - 24" DIAMETER

PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
0852AN3106	8" x 6" in	SC-310	78.7 in	11.4 in	39.4 in	19.7 in
0632AN3106	(200 x 150 mm)	30-310	(1999 mm)	(289 mm)	(1000 mm)	(500 mm)
1052AN3106	10" x 6" in	SC-310	78.1 in	12.4 in	39.1 in	19.5 in
1032AN3100	(250 x 150 mm)	30-310	(1984 mm)	(315 mm)	(992 mm)	(496 mm)
1052AN3108	10" X 8" in	SC-310	78.1 in	13.7 in	39.1 in	19.5 in
1002/1110100	(250 x 200 mm)	00 010	(1984 mm)	(348 mm)	(992 mm)	(496 mm)
1252AN3106	12" x 6" in	SC-310	80.6 in	14.4 in	40.3 in	20.2 in
1232AN3100	(300 x 150 mm)	30-310	(2048 mm)	(366 mm)	(1024 mm)	(512 mm)
1252AN3108	12" x 8" in	SC-310	80.6 in	15.7 in	40.3 in	20.2 in
	(300 x 200 mm)		(2048 mm)	(399 mm)	(1024 mm)	(512 mm)
1252AN3110	12" x 10" in	SC-310	80.6 in	16.6 in	40.3 in	20.2 in
	(300 x 250 mm)		(2048 mm)	(421 mm)	(1024 mm)	(512 mm)
1552AN3106	15" x 6" in	SC-310	77.7 in	13.4 in	38.9 in	19.9 in
	(375 x 150 mm)		(1974 mm)	(341 mm)	(987 mm)	(504 mm)
1552AN3108	15" x 8" in	SC-310	77.7 in	15.5 in	38.9 in	19.9 in
	(375 x 200 mm)		(1974 mm)	(394 mm)	(987 mm)	(504 mm)
1552AN3110	1552AN3110 15" x 10" in	SC-310	77.7 in	16.4 in	38.9 in	19.9 in
	(375 x 250 mm)		(1974 mm)	(415 mm)	(987 mm)	(504 mm)
1552AN3112	15" x 12" in	SC-310	77.7 in	18.4 in	38.9 in	19.9 in
	(375 x 300 mm)		(1974 mm)	(467 mm)	(987 mm)	(504 mm)
1852AN3106	18" x 6" in	SC-310	80.4 in	17.4 in	40.2 in	20.1 in
	(450 x 150 mm)		(2042 mm)	(442 mm)	(1021 mm)	(511 mm)
1852AN3108	18" x 8" in	SC-310	80.4 in	18.7 in	40.2 in	20.1 in
	(450 x 200 mm) 18" x 10" in		(2042 mm) 80.4 in	(475 mm) 19.6 in	(1021 mm) 40.2 in	(511 mm) 20.1 in
1852AN3110	(450 x 250 mm)	SC-310	(2042 mm)	(497 mm)	(1021 mm)	(511 mm)
	18" x 12" in		80.4 in	21.6 in	40.2 in	20.1 in
1852AN3112	(450 x 300 mm)	SC-310	(2042 mm)	(549 mm)	(1021 mm)	(511 mm)
	24" x 6" in		81.9 in	19.7 in	41.0 in	20.5 in
2452AN3106	(600 x 150 mm)	SC-310	(2080 mm)	(501 mm)	(1040 mm)	(520 mm)
	24" x 8" in		80.9 in	22.2 in	41.0 in	20.5 in
2452AN3108	(600 x 200 mm)	SC-310	(2055 mm)	(563 mm)	(1040 mm)	(520 mm)
	24" x 10" in		81.9 in	22.6 in	41.0 in	20.5 in
2452AN3110	(600 x 250 mm)	SC-310	(2080 mm)	(575 mm)	(1040 mm)	(520 mm)
0.450.4.104.10	24" X 12" in	00.010	81.9 in	24.6 in	41.0 in	20.5 in
2452AN3112	(600 x 300 mm)	SC-310	(2080 mm)	(625 mm)	(1040 mm)	(520 mm)
1	(-30 / 000)		(======================================	(3=3)	(.0.0)	(3=0)

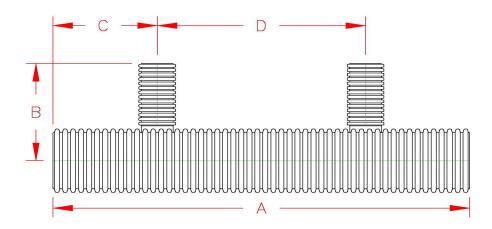


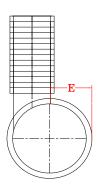




	DRAWING #:		
	DRAWN BY:	TJR	11.15.07
ΑF	PPROVED BY:		11.15.07
	REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE REDUCING MANIFOLD 15"-24" DIAMETER (ECC)





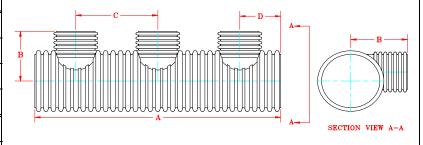
PART #	PIPE SIZE	CHAMBER SIZE	А	В	С	D	E
1552AN3512	15" x 12" in	3500	162.4 in	29.7 in	40.6 in	81.2 in	4.2 in
1002/110012	(375 x 300 mm)	3300	(4125 mm)	(755 mm)	(1031 mm)	(2062 mm)	(107 mm)
1852AN3512	18" x 12" in	3500	160.8 in	30.6 in	41.2 in	80.4 in	7.6 in
10324113312	(450 x 300 mm)	3300	(4084 mm)	(777 mm)	(1045 mm)	(2042 mm)	(193 mm)
1852AN3515	18" x 15" in	3500	160.8 in	30.9 in	41.2 in	82.3 in	4.7 in
1032AN3313	(450 x 375 mm)	3300	(4084 mm)	(785 mm)	(1047 mm)	(2091 mm)	(120 mm)
2452AN3512	24" X 12" in	3500	163.8 in	34.8 in	41.0 in	81.6 in	13.9 in
2432AN3312	(600 x 300 mm)	3300	(4161 mm)	(884 mm)	(1040 mm)	(2073 mm)	(352 mm)
2452AN3515	24" x 15" in	3500	163.8 in	34.5 in	41.0 in	81.9 in	11.0 in
	(600 x 375 mm)	3300	(4161 mm)	(877 mm)	(1040 mm)	(2080 mm)	(280 mm)
2452AN3518	24" X 18" in	3500	163.8 in	34.0 in	41.0 in	81.9 in	7.9 in
2402AN0010	(250 x 450 mm)	3300	(4161 mm)	(863 mm)	(1041 mm)	(2080 mm)	(202 mm)



DRAWING #:	5255	
DRAWN BY:	CAS	4.2409
APPROVED BY:		
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING TRIPLE MANIFOLD 8" - 24" DIAMETER

PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
0853AN3106	8" x 6" in	SC-310	118.1 in	11.4 in	39.4 in	19.7 in
0033AN3106	(200 x 150 mm)	50-310	(2999 mm)	(289 mm)	(1000 mm)	(500 mm)
1053AN3106	10" x 6" in	SC-310	117.2 in	12.4 in	39.1 in	19.5 in
1033AN3100	(250 x 150 mm)	30-310	(2976 mm)	(315 mm)	(992 mm)	(496 mm)
1053AN3108	10" X 8" in	SC-310	117.2 in	12.4 in	39.1 in	19.5 in
1030/110100	(250 x 200 mm)	00-010	(2976 mm)	(315 mm)	(992 mm)	(496 mm)
1253AN3106	12" x 6" in	SC-310	121.0 in	14.4 in	40.3 in	20.2 in
1233AN3100	(300 x 150 mm)	30-310	(3072 mm)	(366 mm)	(1024 mm)	(512 mm)
1253AN3108	12" x 8" in	SC-310	121.0 in	15.7 in	40.3 in	20.2 in
1200/1110100	(300 x 200 mm)	30-310	(3072 mm)	(399 mm)	(1024 mm)	(512 mm)
1253AN3110	12" x 10" in	SC-310	121.0 in	16.6 in	40.3 in	20.2 in
. 2007 11 10 1 10	(300 x 250 mm)		(3072 mm)	(421 mm)	(1024 mm)	(512 mm)
1553AN3106	15" x 6" in	SC-310	116.6 in	13.4 in	38.9 in	19.9 in
1000/1110100	(375 x 150 mm)	00 010	(2962 mm)	(341 mm)	(987 mm)	(504 mm)
1553AN3108	15" x 8" in	SC-310	116.6 in	15.5 in	38.9 in	19.9 in
	(375 x 200 mm)		(2962 mm)	(394 mm)	(987 mm)	(504 mm)
1553AN3110	15" x 10" in	SC-310	116.6 in	16.4 in	38.9 in	19.9 in
	(375 x 250 mm)		(2962 mm)	(415 mm)	(987 mm)	(20 mm)
1553AN3112	15" x 12" in	SC-310	116.6 in	18.4 in	38.9 in	19.9 in
	(375 x 300 mm)		(2962 mm)	(467 mm)	(987 mm)	(504 mm)
1853AN3106	18" x 6" in	SC-310	120.6 in	17.4 in	40.2 in	20.1 in
	(450 x 150 mm)		(3063 mm)	(442 mm)	(1021 mm)	(511 mm)
1853AN3108	18" x 8" in	SC-310	120.6 in	18.7 in	40.2 in	20.1 in
	(450 x 200 mm) 18" x 10" in		(3063 mm) 120.6 in	(475 mm) 19.6 in	(1021 mm) 40.2 in	(511 mm) 20.1 in
1853AN3110	(450 x 250 mm)	SC-310	(3063 mm)	(497 mm)	40.2 m (1021 mm)	(511 mm)
	18" x 12" in		120.6 in	21.6 in	40.2 in	20.1 in
1853AN3112	(450 x 300 mm)	SC-310	(3063 mm)	(549 mm)	(1021 mm)	(511 mm)
	24" x 6" in		122.9 in	19.7 in	41.0 in	20.5 in
2453AN3106	(600 x 150 mm)	SC-310	(3120 mm)	(501 mm)	(1040 mm)	(520 mm)
	24" x 8" in		122.9 in	22.2 in	41.0 in	20.5 in
2453AN3108 (600 x 200 mm)	SC-310	(3120 mm)	(563 mm)	(1040 mm)	(520 mm)	
0.45041104.15	24" x 10" in	00.010	122.9 in	22.6 in	41.0 in	20.5 in
2453AN3110	(600 x 250 mm)	SC-310	(3120 mm)	(575 mm)	(1040 mm)	(520 mm)
2453AN3112	24" X 12" in	SC-310	122.9 in	24.6 in	41.0 in	20.5 in
2433AN3112	(600 x 300 mm)	30-310	(3120 mm)	(625 mm)	(1040 mm)	(520 mm)

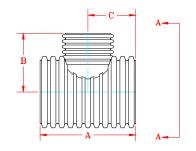


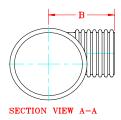


DRAWING #:	5300	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 8" - 18" DIAMETER

PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С
0851AN7406	8" x 6" in	SC-740	56.6 in	10.0 in	28.3 in
	(200 x 150 mm)		(1439 mm)	(253 mm)	(719 mm)
1051AN7406	10" x 6" in	SC-740	56.7 in	11.1 in	28.4 in
	(250 x 150 mm)		(1440 mm)	(281 mm)	(720 mm)
1051AN7406	10" X 8" in	SC-740	56.7 in	12.4 in	28.4 in
	(250 x 200 mm)		(1440 mm)	(315 mm)	(720 mm)
1251AN7406	12" x 6" in	SC-740	57.6 in	12.6 in	28.8 in
120171117 100	(300 x 150 mm)		(1463 mm)	(321 mm)	(732 mm)
1251AN7408	12" x 8" in	SC-740	57.6 in	14.0 in	28.8 in
12017117 100	(300 x 200 mm)	00710	(1463 mm)	(354 mm)	(732 mm)
1251AN7410	12" x 10" in	SC-740	57.6 in	14.8 in	28.8 in
120171117110	(300 x 250 mm)	30-740	(1463 mm)	(376 mm)	(732 mm)
1551AN7406	15" x 6" in	SC-740	57.0 in	15.4 in	28.5 in
1331AN7400	(375 x 150 mm)	30-740	(1447 mm)	(391 mm)	(724 mm)
1551AN7408	15" x 8" in	SC-740	57.0 in	16.7 in	28.5 in
13317117400	(375 x 200 mm)	30-740	(1447 mm)	(425 mm)	(724 mm)
1551AN7410	15" x 10" in	SC-740	57.0 in	17.6 in	28.5 in
13317117410	(375 x 250 mm)	30-740	(1447 mm)	(446 mm)	(724 mm)
1551AN7412	15" x 12" in	SC-740	57.0 in	19.6 in	28.5 in
1331/10/412	(375 x 300 mm)	30-740	(1447 mm)	(498 mm)	(724 mm)
1851AN7406	18" x 6" in	SC-740	56.3 in	17.4 in	28.1 in
1651AN/406	(450 x 150 mm)	30-740	(1430 mm)	(442 mm)	(715 mm)
1851AN7408	18" x 8" in	SC-740	56.3 in	18.7 in	28.1 in
1031AN7400	(450 x 200 mm)	30-740	(1430 mm)	(475 mm)	(715 mm)
1851AN7410	18" x 10" in	SC-740	56.3 in	17.0 in	28.1 in
1001/410	(450 x 250 mm)	SC-740	(1430 mm)	(431 mm)	(715 mm)
1851AN7412	18" x 12" in	SC-740	56.3 in	21.6 in	28.1 in
1001/412	(450 x 300 mm)	30-740	(1430 mm)	(549 mm)	(715 mm)
1851AN7415	18" x 15" in	SC-740	56.3 in	22.4 in	28.1 in
1001/1010	(450 x 375 mm)	30-740	(1430 mm)	(568 mm)	(715 mm)



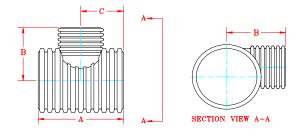




DRAWING #:	5350	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 24" - 48" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	Α	В	С
2451AN7406	24" x 6" in (600 x 150 mm)	SC-740	56.7 in (1440 mm)	20.4 in (518 mm)	28.9 in (734 mm)
2451AN7408	24" x 8" in (600 x 200 mm)	SC-740	56.7 in (1440 mm)	21.7 in (552 mm)	28.4 in (720 mm)
2451AN7410	24" X 10" in (600 x 250 mm)	SC-740	56.7 in (1440 mm)	22.6 in (573 mm)	28.4 in (720 mm)
2451AN7412	24" x12" in (600 x 300 mm)	SC-740	56.7 in (1440 mm)	24.6 in (625 mm)	28.4 in (720 mm)
2451AN7415	24" x 15" in (600 x 375 mm)	SC-740	56.7 in (1440 mm)	25.4 in (644 mm)	28.4 in (720 mm)
2451AN7418	24" x 18" in (600 x 450 mm)	SC-740	56.7 in (1440 mm)	25.7 in (653 mm)	28.4 in (720 mm)
3051AN7406	30" x 6" in (750 x 150 mm)	SC-740	57.7 in (1465 mm)	25.4 in (645 mm)	28.8 in (733 mm)
3051AN7412	30" x 12" in (750 x 300 mm)	SC-740	57.7 in (1465 mm)	29.6 in (752 mm)	28.8 in (733 mm)
3051AN7415	30" x 15" in (750 x 375 mm)	SC-740	57.7 in (1465 mm)	30.4 in (772 mm)	28.8 in (733 mm)
3051AN7418	30" x 18" in (750 x 450 mm)	SC-740	57.7 in (1465 mm)	30.7 in (780 mm)	28.8 in (733 mm)
3051AN7424	30" x 24 in (750 x 600 mm)	SC-740	57.7 in (1465 mm)	27.0 in (686 mm)	28.8 in (733 mm)
3651AN7412	36" x 12" in (900 x 300 mm)	SC-740	57.8 in (1467 mm)	31.6 in (803 mm)	28.9 in (29 mm)
3651AN7415	36" x 15" in (900 x 375 mm)	SC-740	57.8 in (1467 mm)	32.4 in (823 mm)	19.5 in (495 mm)
3651AN7418	36" x 18" in (900 x 450 mm)	SC-740	57.8 in (1467 mm)	32.7 in (831 mm)	28.9 in (734 mm)
3651AN7424	36" x 24" in (900 x 600 mm)	SC-740	57.8 in (1467 mm)	31.3 in (795 mm)	28.9 in (734 mm)



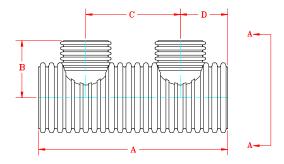
PART #	PIPE SIZE	CHAMBER	Α	В	С
4251AN7412	42" x 12" in (1050 x 300 mm)	SC-740	57.1 in (1450 mm)	34.6 in (879 mm)	28.6 in (725 mm)
4251AN7415	42" x 15" in (1050 x 375 mm)	SC-740	57.1 in (1450 mm)	35.4 in (899 mm)	28.6 in (725 mm)
4251AN7418	42" x 18" in (1050 x 450 mm)	SC-740	57.1 in (1450 mm)	35.7 in (907 mm)	28.6 in (725 mm)
4251AN7424	42" x24" in (1050 x 600 mm)	SC-740	57.1 in (1450 mm)	34.3 in (871 mm)	28.6 in (725 mm)
4851AN7412	48" x 12" in (1200 x 300 mm)	SC-740	57.8 in (1467 mm)	37.6 in (955 mm)	28.9 in (734 mm)
4851AN7415	48" x 15 in (1200 x 375 mm)	SC-740	57.8 in (1467 mm)	38.4 in (975 mm)	28.9 in (734 mm)
4851AN7418	48" x 18" in (1200 x 450 mm)	SC-740	57.8 in (1467 mm)	38.7 in (983 mm)	28.9 in (734 mm)
4851AN7424	48" x 24" in (1200 x 600 mm)	SC-740	57.8 in (1467 mm)	37.3 in (947 mm)	28.9 in (734 mm)

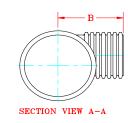


DRAWING #:	5400	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 8" - 18" DIAMETER

PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
0852AN7406	8" x 6" in	SC-740	113.3 in	10.0 in	56.6 in	28.3 in
0002/111/ 400	(200 x 150 mm)	00 7 10	(2877 mm)	(253 mm)	(1439 mm)	(719 mm)
1052AN7406	10" x 6" in	SC-740	113.4 in	11.1 in	56.7 in	28.4 in
1032/11/1400	(250 x 150 mm)	00-740	(2880 mm)	(281 mm)	(1440 mm)	(720 mm)
1052AN7408	10" X 8" in	SC-740	113.4 in	12.4 in	56.7 in	28.4 in
1002/111/1400	(250 x 200 mm)	00 7 40	(2880 mm)	(315 mm)	(1440 mm)	(720 mm)
1252AN7406	12" x 6" in	SC-740	115.2 in	12.6 in	57.6 in	28.8 in
1232AN7400	(300 x 150 mm)		(2926 mm)	(321 mm)	(1463 mm)	(732 mm)
1252AN7408	12" x 8" in	SC-740	115.2 in	14.0 in	57.6 in	28.8 in
1202/111/100	(300 x 200 mm)	00710	(2926 mm)	(354 mm)	(1463 mm)	(732 mm)
1252AN7410	12" x 10" in	SC-740	115.2 in	14.8 in	57.6 in	28.8 in
1202/111/110	(300 x 250 mm)		(2926 mm)	(376 mm)	(1463 mm)	(732 mm)
1552AN7406	15" x 6" in	SC-740	114.0 in	15.4 in	57.0 in	28.5 in
1552/11/1400	(375 x 150 mm)	30-740	(2895 mm)	(391 mm)	(1447 mm)	(724 mm)
1552AN7408	15" x 8" in	SC-740	114.0 in	16.7 in	57.0 in	28.5 in
1002/111/ 400	(375 x 200 mm)	00 7 40	(2895 mm)	(425 mm)	(1447 mm)	(724 mm)
1552AN7410	15" x 10" in	SC-740	114.0 in	17.6 in	57.0 in	28.5 in
1002/111/110	(375 x 250 mm)		(2895 mm)	(446 mm)	(1447 mm)	(724 mm)
1552AN7412	15" x 12" in	SC-740	114.0 in	19.6 in	57.0 in	28.5 in
	(375 x 300 mm)		(2895 mm)	(498 mm)	(1447 mm)	(724 mm)
1852AN7406	18" x 6" in	SC-740	112.6 in	17.4 in	56.3 in	28.1 in
1002/111/100	(450 x 150 mm)	00710	(2859 mm)	(442 mm)	(1430 mm)	(715 mm)
1852AN7408	18" x 8" in	SC-740	112.6 in	18.7 in	56.3 in	28.1 in
1002/111/100	(450 x 200 mm)		(2859 mm)	(475 mm)	(1430 mm)	(715 mm)
1852AN7410	18" x 10" in	SC-740	112.6 in	19.6 in	56.3 in	28.1 in
	(450 x 250 mm)		(2859 mm)	(497 mm)	(1430 mm)	(715 mm)
1852AN/412 I	18" x 12" in	SC-740	112.6 in	21.6 in	56.3 in	28.1 in
	(450 x 300 mm)		(2859 mm)	(549 mm)	(1430 mm)	(715 mm)
1852AN7415	18" x 15" in	SC-740	112.6 in	22.4 in	56.3 in	28.1 in
. 302,	(450 x 375 mm)		(2859 mm)	(568 mm)	(1430 mm)	(715 mm)



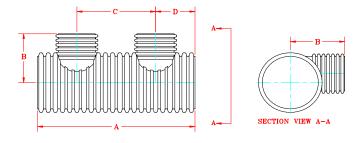




DRAWING #:	5450	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 24" - 48" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	А	В	С	D
2452AN7406	24" x 6" in	SC-740	113.4 in	20.4 in	56.7 in	28.4 in
2432/1117400	(600 x 150 mm)	00 740	(2880 mm)	(518 mm)	(1440 mm)	(720 mm)
2452AN7408	24" x 8" in	SC-740	113.4 in	22.2 in	56.7 in	28.4 in
2102/111/100	(600 x 200 mm)	00 740	(2880 mm)	(563 mm)	(1440 mm)	(720 mm)
2452AN7410	24" X 10" in	SC-740	113.4 in	22.6 in	56.7 in	28.4 in
2102/11/110	(600 x 250 mm)	30-740	(2880 mm)	(575 mm)	(1440 mm)	(720 mm)
2452AN7412	24" x12" in	SC-740	113.4 in	24.6 in	56.7 in	28.4 in
2.02/1177772	(600 x 300 mm)		(2880 mm)	(625 mm)	(1440 mm)	(720 mm)
2452AN7415	24" x 15" in	SC-740	113.4 in	25.4 in	56.7 in	28.4 in
21027117110	(600 x 375 mm)	00 7 10	(2880 mm)	(644 mm)	(1440 mm)	(720 mm)
2452AN7418	24" x 18" in	SC-740	113.4 in	24.6 in	56.7 in	28.4 in
2102/11/110	(600 x 450 mm)	30-740	(2880 mm)	(625 mm)	(1440 mm)	(720 mm)
3052AN7406	30" x 6" in	SC-740	115.4 in	25.4 in	57.7 in	28.8 in
3032AN7400	(750 x 150 mm)	30-740	(2930 mm)	(645 mm)	(1465 mm)	(733 mm)
3052AN7412	30" x 12" in	SC-740	115.4 in	29.6 in	57.7 in	28.8 in
0032AIV7412	(750 x 300 mm)	00 740	(2930 mm)	(752 mm)	(1465 mm)	(733 mm)
3052AN7415	30" x 15" in	SC-740	115.4 in	30.4 in	57.7 in	28.8 in
3032AN7413	(750 x 375 mm)	30-740	(2930 mm)	(772 mm)	(1465 mm)	(733 mm)
3052AN7418	30" x 18" in	SC-740	115.4 in	30.7 in	57.7 in	28.8 in
003ZAIV7 410	(750 x 450 mm)	00 7 10	(2930 mm)	(780 mm)	(1465 mm)	(733 mm)
3052AN7424	30" x 24 in	SC-740	115.4 in	27.0 in	57.7 in	28.8 in
0032/1117 424	(750 x 600 mm)	30-740	(2930 mm)	(686 mm)	(1465 mm)	(733 mm)
3652AN7412	36" x 12" in	SC-740	115.5 in	31.6 in	57.8 in	28.9 in
3032AN7412	(900 x 300 mm)	30-740	(2934 mm)	(803 mm)	(29 mm)	(29 mm)
3652AN7415	36" x 15" in	SC-740	115.5 in	32.4 in	57.8 in	28.9 in
3032AN7413	(900 x 375 mm)	30-740	(2934 mm)	(823 mm)	(1467 mm)	(734 mm)
3652AN7418	36" x 18" in	SC-740	115.5 in	32.7 in	57.8 in	28.9 in
3032AN7410	(900 x 450 mm)	30-740	(2934 mm)	(831 mm)	(1467 mm)	(734 mm)
3652AN7424	36" x 24" in	SC-740	115.5 in	31.3 in	57.8 in	28.9 in
3032AN7424	(900 x 600 mm)	30-740	(2934 mm)	(795 mm)	(1467 mm)	(734 mm)



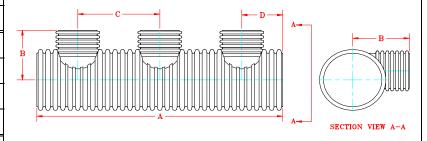
PART#	PIPE SIZE	CHAMBER SIZE	А	В	С	D
4252AN7412	42" x 12" in (1050 x 300 mm)	SC-740	114.2 in (2900 mm)	34.6 in (879 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4252AN7415	42" x 15" in (1050 x 375 mm)	SC-740	114.2 in (2900 mm)	35.4 in (899 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4252AN7418	42" x 18" in (1050 x 450 mm)	SC-740	114.2 in (2900 mm)	34.6 in (878 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4252AN7424	42" x24" in (1050 x 600 mm)	SC-740	114.2 in (2900 mm)	34.3 in (871 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4852AN7412	48" x 12" in (1200 x 300 mm)	SC-740	115.5 in (2934 mm)	37.6 in (955 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4852AN7415	48" x 15 in (1200 x 375 mm)	SC-740	115.5 in (2934 mm)	38.4 in (975 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4852AN7418	48" x 18" in (1200 x 450 mm)	SC-740	115.5 in (2934 mm)	38.7 in (983 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4852AN7424	48" x 24" in (1200 x 600 mm)	SC-740	115.5 in (2934 mm)	37.3 in (947 mm)	57.8 in (1467 mm)	28.9 in (734 mm)



DRAWING #:	5500	
DRAWN BY:	TJR	11.15.07
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REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING TRIPLE MANIFOLD 8" - 18" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
0853AN7406	8" x 6" in	SC-740	169.9 in	10.0 in	56.6 in	28.3 in
0000711177 400	(200 x 150 mm)	00 7 40	(4316 mm)	(253 mm)	(1439 mm)	(719 mm)
1053AN7406	10" x 6" in	SC-740	170.1 in	11.1 in	56.7 in	28.4 in
1033/117/400	(250 x 150 mm)	SC-740	(4321 mm)	(281 mm)	(1440 mm)	(720 mm)
1053AN7408	10" X 8" in	SC-740	170.1 in	12.4 in	56.7 in	28.4 in
100071117 100	(250 x 200 mm)	00710	(4321 mm)	(315 mm)	(1440 mm)	(720 mm)
1253AN7406	12" x 6" in	SC-740	172.8 in	12.6 in	57.6 in	28.8 in
1200/111/ 400	(300 x 150 mm)	00 7 40	(4389 mm)	(321 mm)	(1463 mm)	(732 mm)
1253AN7408	12" x 8" in	SC-740	172.8 in	14.0 in	57.6 in	28.8 in
	(300 x 200 mm)		(4389 mm)	(354 mm)	(1463 mm)	(732 mm)
1253AN7410	12" x 10" in	SC-740	172.8 in	14.8 in	57.6 in	28.8 in
	(300 x 250 mm)		(4389 mm)	(376 mm)	(1463 mm)	(732 mm)
1553AN7406	15" x 6" in	SC-740	170.9 in	15.4 in	57.0 in	28.5 in
100074171100	(375 x 150 mm)		(4342 mm)	(391 mm)	(1447 mm)	(724 mm)
1553AN7408	15" x 8" in	SC-740	170.9 in	16.7 in	57.0 in	28.5 in
	(375 x 200 mm)		(4342 mm)	(425 mm)	(1447 mm)	(724 mm)
1553AN7410	15" x 10" in	SC-740	170.9 in	17.6 in	57.0 in	28.5 in
	(375 x 250 mm)		(4342 mm)	(446 mm)	(1447 mm)	(724 mm)
1553AN7412	15" x 12" in	SC-740	170.9 in	19.6 in	57.0 in	28.5 in
	(375 x 300 mm)		(4342 mm)	(498 mm)	(1447 mm)	(724 mm)
1853AN7406	18" x 6" in	SC-740	168.8 in	17.4 in	56.3 in	28.1 in
	(450 x 150 mm)		(4289 mm)	(442 mm)	(1430 mm)	(715 mm)
1853AN7408	18" x 8" in	SC-740	168.8 in	18.7 in	56.3 in	28.1 in
	(450 x 200 mm)		(4289 mm)	(475 mm)	(1430 mm)	(715 mm)
1853AN7410	18" x 10" in	SC-740	168.8 in	19.6 in	56.3 in	28.1 in
	(450 x 250 mm)		(4289 mm)	(497 mm)	(1430 mm)	(715 mm)
1853AN7412	18" x 12" in	SC-740	168.8 in	21.6 in	56.3 in	28.1 in
	(450 x 300 mm)		(4289 mm)	(549 mm)	(1430 mm)	(715 mm)
1853AN7415	18" x 15" in	SC-740	168.8 in	22.4 in	56.3 in	28.1 in
	(450 x 375 mm)		(4289 mm)	(568 mm)	(1430 mm)	(715 mm)

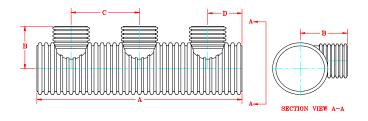




DRAWING #:	5550	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING TRIPLE MANIFOLD 24" - 48" DIAMETER

PART #	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
2453AN7406	24" x 6" in	SC-740	170.1 in	20.4 in	56.7 in	28.4 in
2430/1117400	(600 x 150 mm)	00 740	(4321 mm)	(518 mm)	(1440 mm)	(720 mm)
2453AN7408	24" x 8" in	SC-740	170.1 in	21.7 in	56.7 in	28.4 in
2430/1117400	(600 x 200 mm)	SC-740	(4321 mm)	(552 mm)	(1440 mm)	(720 mm)
2453AN7410	24" X 10" in	SC-740	170.1 in	22.6 in	56.7 in	28.4 in
2430/11/1410	(600 x 250 mm)	00 740	(4321 mm)	(573 mm)	(1440 mm)	(720 mm)
2453AN7412	24" x12" in	SC-740	170.1 in	24.6 in	56.7 in	28.4 in
2430/1177412	(600 x 300 mm)	00 740	(4321 mm)	(625 mm)	(1440 mm)	(720 mm)
2453AN7415	24" x 15" in	SC-740	170.1 in	25.4 in	56.7 in	28.4 in
2430/11/1413	(600 x 375 mm)	00 740	(4321 mm)	(644 mm)	(1440 mm)	(720 mm)
2453AN7418	24" x 18" in	SC-740	170.1 in	25.7 in	56.7 in	28.4 in
2430/1117410	(600 x 450 mm)	30-740	(4321 mm)	(653 mm)	(1440 mm)	(720 mm)
3053AN7406	30" x 6" in	SC-740	173.0 in	25.4 in	57.7 in	28.8 in
3033AN7400	(750 x 150 mm)		(4395 mm)	(645 mm)	(1465 mm)	(733 mm)
3053AN7412	30" x 12" in	SC-740	173.0 in	29.6 in	57.7 in	28.8 in
3033AN7412	(750 x 300 mm)		(4395 mm)	(752 mm)	(1465 mm)	(733 mm)
3053AN7415	30" x 15" in	SC-740	173.0 in	30.4 in	57.7 in	28.8 in
3033AN7413	(750 x 375 mm)	30-740	(4395 mm)	(772 mm)	(1465 mm)	(733 mm)
3053AN7418	30" x 18" in	SC-740	173.0 in	30.7 in	57.7 in	28.8 in
3033AN7410	(750 x 450 mm)	30-740	(4395 mm)	(780 mm)	(1465 mm)	(733 mm)
3053AN7424	30" x 24 in	SC-740	173.0 in	27.0 in	57.7 in	28.8 in
3033AN7424	(750 x 600 mm)	30-740	(4395 mm)	(686 mm)	(1465 mm)	(733 mm)
3653AN7412	36" x 12" in	SC-740	173.3 in	31.6 in	57.8 in	28.9 in
3653AN/412	(900 x 300 mm)	50-740	(4401 mm)	(803 mm)	(29 mm)	(29 mm)
3653AN7415	36" x 15" in	SC-740	173.3 in	32.4 in	57.8 in	28.9 in
3033AN/413	(900 x 375 mm)	30-740	(4401 mm)	(823 mm)	(1467 mm)	(734 mm)
3653AN7418	36" x 18" in	SC-740	173.3 in	32.7 in	57.8 in	28.9 in
3033AN/410	(900 x 450 mm)	30-740	(4401 mm)	(831 mm)	(1467 mm)	(734 mm)
3653AN7424	36" x 24" in	SC-740	173.3 in	31.3 in	57.8 in	28.9 in
3033AN7424	(900 x 600 mm)	30-740	(4401 mm)	(795 mm)	(1467 mm)	(734 mm)

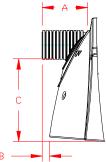


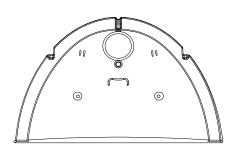
PART#	PIPE SIZE	CHAMBER SIZE	Α	В	С	D
4253AN7412	42" x 12" in (1050 x 300 mm)	SC-740	171.3 in (4350 mm)	34.6 in (879 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4253AN7415	42" x 15" in (1050 x 375 mm)	SC-740	171.3 in (4350 mm)	35.4 in (899 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4253AN7418	42" x 18" in (1050 x 450 mm)	SC-740	171.3 in (4350 mm)	34.6 in (878 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4253AN7424	42" x24" in (1050 x 600 mm)	SC-740	171.3 in (4350 mm)	34.3 in (871 mm)	57.1 in (1450 mm)	28.6 in (725 mm)
4853AN7412	48" x 12" in (1200 x 300 mm)	SC-740	173.3 in (4401 mm)	37.6 in (955 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4853AN7415	48" x 15 in (1200 x 375 mm)	SC-740	173.3 in (4401 mm)	38.4 in (975 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4853AN7418	48" x 18" in (1200 x 450 mm)	SC-740	173.3 in (4401 mm)	38.7 in (983 mm)	57.8 in (1467 mm)	28.9 in (734 mm)
4853AN7424	48" x 24" in (1200 x 600 mm)	SC-740	173.3 in (4401 mm)	37.3 in (947 mm)	57.8 in (1467 mm)	28.9 in (734 mm)



DRAWING #:	5600	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:		

STORMTECH STORM CHAMBER "SOIL TIGHT" END CAPS - TOP





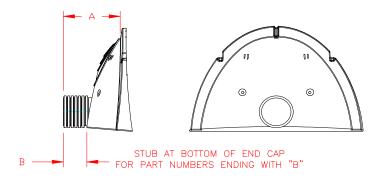
STUB AT TOP OF END CAP
FOR PART NUMBERS ENDING WITH "T"

PART#	PIPE SIZE	CHAMBER SIZE	А	В	С
SC310EPEO6T	6 in (150 mm)	310	11.9 in (302 mm)	5.4 in (137 mm)	5.5 in (140 mm)
SC310EPEO8T	8 in (200 mm)	310	12.8 in (325 mm)	6.3 in (160 mm)	3.5 in (89 mm)
SC310EPE10T	10 in (250 mm)	310	13.1 in (333 mm)	6.5 in (165 mm)	1.4 in (36 mm)
SC740EPEO6T	6 in (150 mm)	740	14.3 in (363 mm)	5.3 in (135 mm)	19.8 in (503 mm)
SC740EPEO8T	8 in (200 mm)	740	15.3 in (389 mm)	6.3 in (160 mm)	17.9 in (455 mm)
SC740EPE10T	10 in (250 mm)	740	15.5 in (394 mm)	6.5 in (165 mm)	15.8 in (401 mm)
SC740EPE12T	12 in (300 mm)	740	18.2 in (462 mm)	9.2 in (234 mm)	13.7 in (348 mm)
SC740EPE15T	15 in (375 mm)	740	20.8 in (528 mm)	11.9 in (302 mm)	10.5 in (267 mm)
SC740EPE18T	18 in (450 mm)	740	21.2 in (538 mm)	12.2 in (310 mm)	6.5 in (165 mm)



DRAWING #:	5650	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:	WLG	08.05.08

STORMTECH STORM CHAMBER "SOIL TIGHT" END CAPS - BOTTOM



PART #	PIPE SIZE	CHAMBER SIZE	Α	В
SC310EPEO6B	6 in (150 mm)	310	11.9 in (302 mm)	5.4 in (137 mm)
SC310EPEO8B	8 in (200 mm)	310	12.8 in (325 mm)	6.3 in (160 mm)
SC310EPE10B	10 in (250 mm)	310	13.1 in (333 mm)	6.5 in (165 mm)
SC310EPE12B	12 in (300 mm)	310	16.0 in (406 mm)	9.2 in (234 mm)
SC740EPEO6B	6 in (150 mm)	740	14.3 in (363 mm)	5.3 in (135 mm)
SC740EPE08B	8 in (200 mm)	740	15.3 in (389 mm)	6.3 in (160 mm)
SC740EPE10B	10 in (250 mm)	740	15.5 in (394 mm)	6.5 in (165 mm)
SC740EPE12B	12 in (300 mm)	740	18.2 in (462 mm)	9.2 in (234 mm)
SC740EPE15B	15 in (375 mm)	740	20.8 in (528 mm)	11.9 in (302 mm)
SC740EPE18B	18 in (450 mm)	740	21.2 in (538 mm)	12.2 in (310 mm)
SC740EPE24B	24 in (600 mm)	740	20.1 in (511 mm)	11.0 in (279 mm)

ALL STUBS, EXCEPT FOR THE SC310EPE12B AND SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP.

* FOR SC310EPE12B THE 12" STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25". FOR SC740EPE24B THE 24" STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75". BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SETS LEVEL.



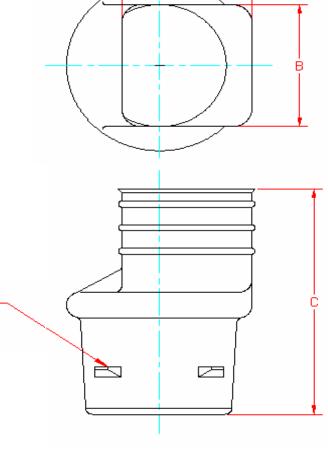
DRAWING #:	5700	
DRAWN BY:	TJR	11.15.07
APPROVED BY:	TJR	11.15.07
REVISIONS:	WLG	8.05.08

DOWNSPOUT ADAPTERS

PART#	PIPE SIZE	А	В	С
0364AA	3 in	2.5 in	3.3 in	4.8 in
	(76 mm)	(64 mm)	(83 mm)	(121 mm)
0464AA	4 in	2.5 in	3.3 in	4.8 in
	(102 mm)	(64 mm)	(83 mm)	(121 mm)
0465AA	4 in	3.3 in	4.5 in	5.0 in
	(102 mm)	(83 mm)	(114 mm)	(127 mm)
0466AA	4 in	2.6 in	2.6 in	4.6 in
	(102 mm)	(65 mm)	(65 mm)	(118 mm)
0664AA	6 in	3.6 in	5.6 in	6.4 in
	(152 mm)	(92 mm)	(143 mm)	(163 mm)
0664AC*	6 in	3.6 in	5.6 in	6.4 in
	(152 mm)	(92 mm)	(143 mm)	(163 mm)

^{*} Part 0664AC is PVC



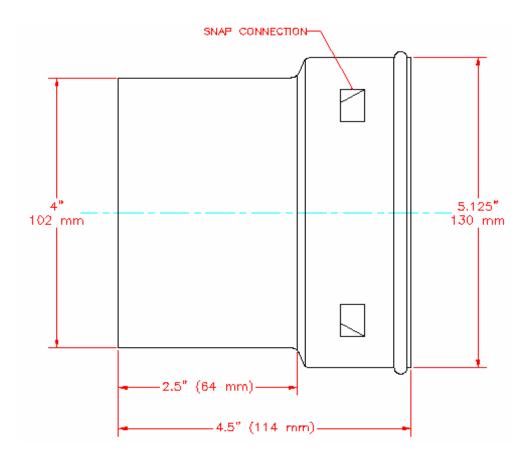




DRAWING #:	6000	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

4" SEWER AND DRAIN ADAPTER

PART # 0467AA

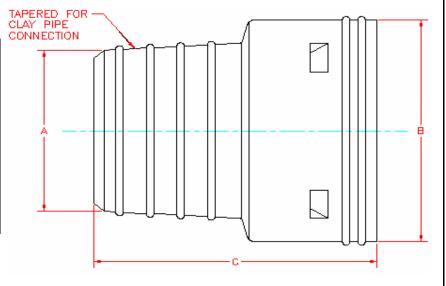


ATVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	6010	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

CLAY SNAP ADAPTER

PART#	PIPE SIZE	А	В	С
0362AA	3 in (76 mm)	2.9 in (73 mm)	4.0 in (102 mm)	4.1 in (105 mm)
0462AA	4 in	3.9 in	5.1 in	4.3 in
	(102 mm)	(99 mm)	(130 mm)	(108 mm)
0562AA	5 in	4.9 in	6.3 in	5.0 in
	(127 mm)	(124 mm)	(159 mm)	(127 mm)
0662AA	6 in (152 mm)	5.8 in (146 mm)	7.4 in (187 mm)	5.5 in (140 mm)
0862AA	8 in	7.8 in	10.0 in	5.5 in
	(203 mm)	(197 mm)	(254 mm)	(140 mm)

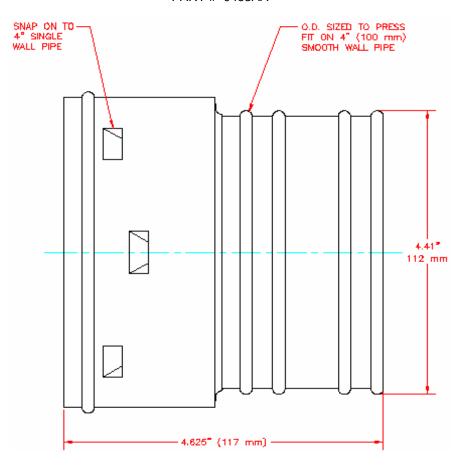




DRAWING #:	6015	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
		·

SEPTIC TANK ADAPTER

PART # 0463AA

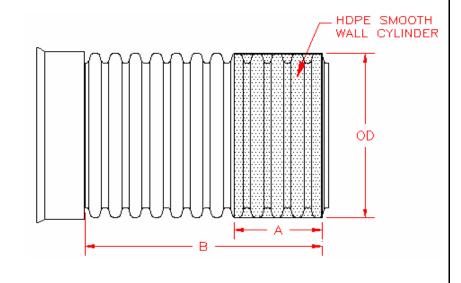


ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	6020	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

DUAL WALL TO RCP MANHOLE ADAPTER FITTING WATER TIGHT CONNECTION

PART#	PIPE SIZE	А	В	OD
1222ANB	12 in	12.0 in	48.0 in	14.8 in
	(300 mm)	(305 mm)	(1219 mm)	(375 mm)
1522ANB	15 in	14.5 in	46.6 in	18.0 in
IJZZAND	(375 mm)	(368 mm)	(1184 mm)	(457 mm)
1822ANB	18 in	18.0 in	45.6 in	21.8 in
	(450 mm)	(457 mm)	(1157 mm)	(552 mm)
2422ANB	24 in	24.0 in	47.3 in	28.6 in
	(600 mm)	(610 mm)	(1200 mm)	(726 mm)
3022ANB	30 in	24.0 in	45.3 in	35.9 in
	(750 mm)	(610 mm)	(1151 mm)	(913 mm)
3622ANB	36 in	24.0 in	46.3 in	41.9 in
	(900 mm)	(610 mm)	(1175 mm)	(1063 mm)
4222ANB	42 in	24.0 in	46.7 in	48.5 in
	(1050 mm)	(610 mm)	(1186 mm)	(1232 mm)
4822ANB	48 in	24.0 in	47.3 in	54.7 in
	(1200 mm)	(610 mm)	(1200 mm)	(1388 mm)
6022ANB	60 in	30.0 in	54.0 in	67.5 in
	(1500 mm)	(762 mm)	(1372 mm)	(1713 mm)



NOTE:

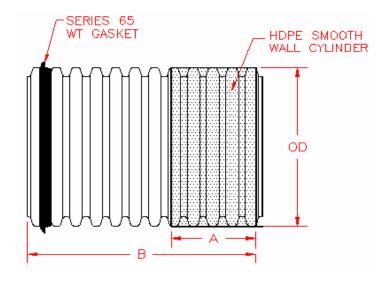
REQUIRES SERIES 65 GASKET (INCLUDED) IN FIELD TO MAKE WT CONNECTION



DRAWING #:	6050	
DRAWN BY:	JCB	04.23.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

DUAL WALL TO RCP MANHOLE ADAPTER FITTING WATER TIGHT CONNECTION

PART #	PIPE SIZE	А	В	OD
1222AN	12 in	12.0 in	48.0 in	14.8 in
	(300 mm)	(305 mm)	(1219 mm)	(375 mm)
1522AN	15 in	14.5 in	46.6 in	18.0 in
IJZZAN	(375 mm)	(368 mm)	(1184 mm)	(457 mm)
1822AN	18 in	18.0 in	45.6 in	21.8 in
TOZZAN	(450 mm)	(457 mm)	(1157 mm)	(552 mm)
2422AN	24 in	24.0 in	47.3 in	28.6 in
2422AIN	(600 mm)	(610 mm)	(1200 mm)	(726 mm)
3022AN	30 in	24.0 in	45.3 in	35.9 in
JUZZAN	(750 mm)	(610 mm)	(1151 mm)	(913 mm)
3622AN	36 in	24.0 in	46.3 in	41.9 in
JUZZAN	(900 mm)	(610 mm)	(1175 mm)	(1063 mm)
4222AN	42 in	24.0 in	46.7 in	48.5 in
4ZZZAIN	(1050 mm)	(610 mm)	(1186 mm)	(1232 mm)
4822AN	48 in	24.0 in	47.3 in	54.7 in
40ZZAIN	(1200 mm)	(610 mm)	(1200 mm)	(1388 mm)
6022AN	60 in	30.0 in	54.0 in	67.5 in
UUZZAN	(1500 mm)	(762 mm)	(1372 mm)	(1713 mm)



NOTE:

REQUIRES SERIES 65 GASKET (INCLUDED) IN FIELD TO MAKE WT CONNECTION

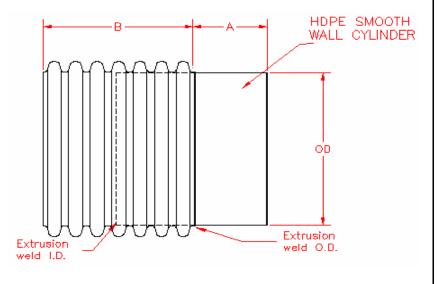


DRAWING #:	6050A	
DRAWN BY:	JCB	04.23.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

NOTE: ALL DIMENSIONS ARE NOMINAL

DUAL WALL ADAPTER FITTING

PART#	PIPE SIZE	А	В	OD
1221AN	12 in	6.0 in	11.5 in	12.1 in
	(300 mm)	(152 mm)	(293 mm)	(306 mm)
1521AN	15 in	6.0 in	13.0 in	15.0 in
	(375 mm)	(152 mm)	(329 mm)	(381 mm)
1821AN	18 in	6.0 in	13.4 in	18.0 in
	(450 mm)	(152 mm)	(340 mm)	(457 mm)
2421AN	24 in	8.0 in	15.8 in	24.0 in
	(600 mm)	(203 mm)	(400 mm)	(610 mm)
3021AN	30 in	10.0 in	20.6 in	30.0 in
	(750 mm)	(254 mm)	(523 mm)	(762 mm)
3621AN	36 in (900 mm)	10.0 in (254 mm)	25.7 in (653 mm)	36.0 in (914 mm)
4221AN	42 in	10.0 in	26.0 in	41.3 in
	(1050 mm)	(254 mm)	(659 mm)	(1048 mm)
4821AN	48 in	10.0 in	26.3 in	47.6 in
	(1200 mm)	(254 mm)	(667 mm)	(1209 mm)
6021AN	60 in	10.0 in	30.0 in	59.5 in
	(1500 mm)	(254 mm)	(762 mm)	(1511 mm)

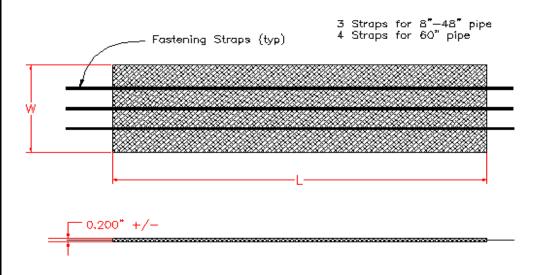




DRAWING #:	6055	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

8" - 60" FIELD REPAIR COUPLER

PART #	PIPE SIZE	L	W
0867RC	8 in	35.0 in	4.0 in
	(200 mm)	(889 mm)	(102 mm)
1067RC	10 in (250 mm)	42.0 in (1067 mm)	6.0 in (152 mm)
1267RC	12 in	52.0 in	7.0 in
	(300 mm)	(1321 mm)	(178 mm)
1567RC	15 in	62.0 in	10.0 in
	(375 mm)	(1575 mm)	(254 mm)
1867RC	18 in	75.0 in	10.0 in
	(450 mm)	(1905 mm)	(254 mm)
2467RC	24 in (600 mm)	94.0 in (2388 mm)	12.0 in (305 mm)
3067RC	30 in	125.0 in	15.0 in
	(750 mm)	(3175 mm)	(381 mm)
3667RC	36 in	141.0 in	18.0 in
	(900 mm)	(3581 mm)	(457 mm)
4267RC	42 in (1050 mm)	161.0 in (4089 mm)	20.0 in (508 mm)
4867RC	48 in	183.0 in	20.0 in
	(1200 mm)	(4648 mm)	(508 mm)
6067RC	60 in	222.0 in	28.0 in
	(1500 mm)	(5639 mm)	(711 mm)

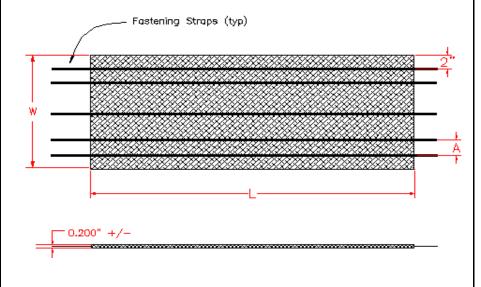




DRAWING #:	6060	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	09.26.08

12" - 60" DOUBLE WIDE FIELD REPAIR COUPLER

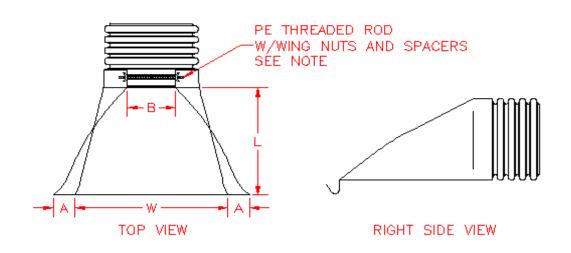
PART#	PIPE SIZE	L	W	Α
1267RCD	12 in	52.0 in	12.0 in	2.0 in
	(300 mm)	(1321 mm)	(305 mm)	(51 mm)
1567RCD	15 in	62.0 in	14.0 in	2.6 in
	(375 mm)	(1575 mm)	(356 mm)	(66 mm)
1867RCD	18 in	75.0 in	16.0 in	2.8 in
1007110D	(450 mm)	(1905 mm)	(406 mm)	(70 mm)
2467RCD	24 in	94.0 in	20.0 in	3.3 in
2407 NOD	(600 mm)	(2388 mm)	(508 mm)	(83 mm)
3067RCD	30 in	125.0 in	24.0 in	4.5 in
3007 NCD	(600 mm)	(3175 mm)	(610 mm)	(114 mm)
3667RCD	36 in	141.0 in	30.0 in	5.0 in
3007 HCD	(600 mm)	(3581 mm)	(762 mm)	(127 mm)
4267RCD	42 in	161.0 in	30.0 in	5.5 in
4207 NOD	(600 mm)	(4089 mm)	(762 mm)	(140 mm)
4967DCD	48 in	183.0 in	32.0 in	5.5 in
4867RCD	(600 mm)	(4648 mm)	(813 mm)	(140 mm)
6067DCD	60 in	222.0 in	46.0 in	6.8 in
6067RCD	(600 mm)	(5639 mm)	(1168 mm)	(171 mm)

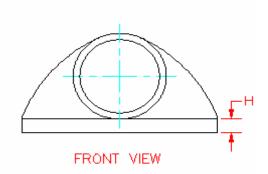




DRAWING #:	6065	
DRAWN BY:	JCB	01.17.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	09.26.08

FLARED END SECTIONS





PART#	PIPE SIZE	А	B(MAX)	Н	L	W
1210NP	12 in	6.5 in	10.0 in	6.5 in	25.0 in	29.0 in
	(300 mm)	(165 mm)	(254 mm)	(165 mm)	(635 mm)	(737 mm)
1510NP	15 in	6.5 in	10.0 in	6.5 in	25.0 in	29.0 in
1010141	(375 mm)	(165 mm)	(254 mm)	(165 mm)	(635 mm)	(737 mm)
1810NP	18 in	7.5 in	15.0 in	6.5 in	32.0 in	35.0 in
TOTOINE	(450 mm)	(191 mm)	(381 mm)	(165 mm)	(813 mm)	(889 mm)
2410NP	24 in	7.5 in	18.0 in	6.5 in	36.0 in	45.0 in
2410INF	(600 mm)	(191 mm)	(457 mm)	(165 mm)	(914 mm)	(1143 mm)
3015NP	30 in	7.5 in	12.0 in	8.6 in	58.0 in	63.0 in
301310F	(750 mm)	(191 mm)	(305 mm)	(218 mm)	(1473 mm)	(1600 mm)
3615NP	36 in	7.5 in	25.0 in	8.6 in	58.0 in	63.0 in
SUISINE	(900 mm)	(191 mm)	(635 mm)	(218 mm)	(1473 mm)	(1600 mm)

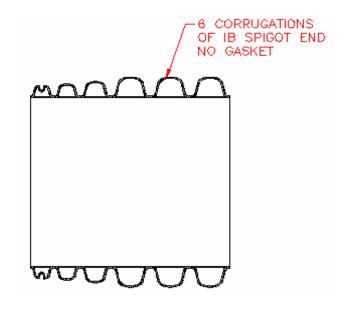
ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	6070	
DRAWN BY:	JCB	01.17.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

NOTE: ALL DIMENSIONS ARE NOMINAL

DUAL WALL JOINT PUSHER

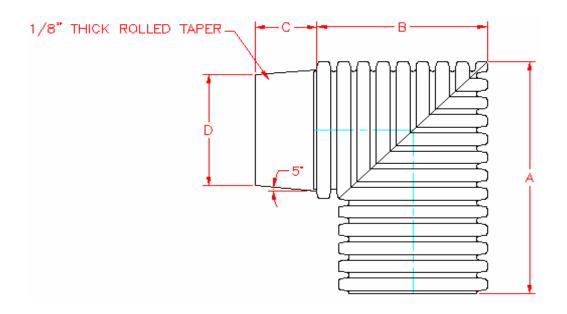
PART#	PIPE SIZE
1208AN	12 in (300 mm)
1508AN	15 in (375 mm)
1808AN	18 in (450 mm)
2408AN	24 in (600 mm)
3008AN	30 in (750 mm)
3608AN	36 in (900 mm)
4208AN	42 in (1050 mm)
4808AN	48 in (1200 mm)
6006AN	60 in (1500 mm)





DRAWING #:	6085	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

CATCH BASIN ELBOW



PART#	PIPE SIZE	А	В	С	D
0899ANCB	8 in	15.4 in	10.6 in	5.5 in	7.5 in
0000711101	(200 mm)	(391 mm)	(269 mm)	(140 mm)	(191 mm)
1099ANCB	10 in	18.9 in	11.3 in	5.5 in	9.5 in
1000/1110B	(250 mm)	(480 mm)	(287 mm)	(140 mm)	(241 mm)
1299ANCB	(250 mm) 12 in	(480 mm) 25.0 in	(287 mm) 17.3 in	(140 mm) 5.5 in	(241 mm) 11.8 in

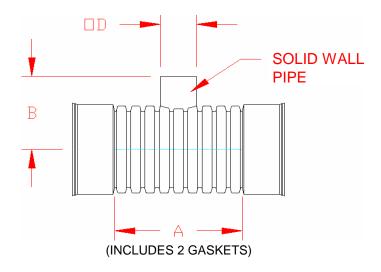
ADWINGED GRAINAGE SYSTEMS, INC.

DRAWING #:	6090	
DRAWN BY:	JCB	03.20.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

NOTE: ALL DIMENSIONS ARE NOMINAL

REDUCING TAP TEE (ST/WT CONNECTION)

PART #	PIPE SIZE	А	В	OD
0660AN65BS	6 x 4 in	8.5 in	9.5 in	4.3 in
	(150 x 100 mm)	(216 mm)	(241 mm)	(108 mm)
0860AN65BS	8 x 4 in	11.5 in	11.0 in	4.3 in
0000/1110000	(200 x 100 mm)	(293 mm)	(279 mm)	(108 mm)
0861AN65BS	8 x 6 in	11.5 in	10.6 in	6.3 in
00017110303	(200 x 150 mm)	(293 mm)	(270 mm)	(159 mm)
1000 A NOEDC	10 x 4 in	15.1 in	12.0 in	4.3 in
1060AN65BS	(250 x 100 mm)	(384 mm)	(305 mm)	(108 mm)
1061AN65BS	10 x 6 in	15.1 in	12.0 in	6.3 in
1001410055	(250 x 150 mm)	(384 mm)	(305 mm)	(159 mm)
1060 A NGERS	10 x 8 in	15.1 in	12.0 in	8.6 in
1062AN65BS	(250 x 200 mm)	(384 mm)	(305 mm)	(218 mm)
1260AN65BS	12 x 4 in	19.5 in	13.1 in	4.3 in
1200AN03D3	(300 x 100 mm)	(496 mm)	(333 mm)	(108 mm)
1261AN65BS	12 x 6 in	19.5 in	13.1 in	6.3 in
12014110363	(300 x 150 mm)	(496 mm)	(333 mm)	(159 mm)
1262AN65BS	12 x 8 in	19.5 in	13.1 in	8.6 in
1202AN03D3	(300 x 200 mm)	(496 mm)	(333 mm)	(218 mm)
1ECOANCEDC	15 x 4 in	23.6 in	14.8 in	4.3 in
1560AN65BS	(375 x 100 mm)	(600 mm)	(375 mm)	(108 mm)
1561AN65BS	15 x 6 in	23.6 in	14.8 in	6.3 in
1301410303	(375 x 150 mm)	(600 mm)	(375 mm)	(159 mm)
1562AN65BS	15 x 8 in	23.6 in	14.8 in	8.6 in
IDUZANODO	(375 x 200 mm)	(600 mm)	(375 mm)	(218 mm)

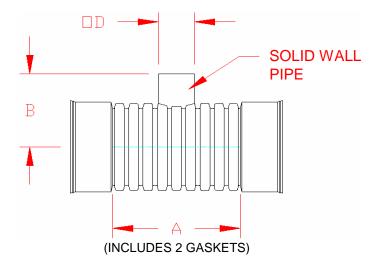




DRAWING #:	6100	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

REDUCING TAP TEE (ST/WT CONNECTION)

PART#	PIPE SIZE	А	В	OD
1860AN65BS	18 x 4 in	23.5 in	16.8 in	4.3 in
1000/1110020	(450 x 100 mm)	(597 mm)	(425 mm)	(108 mm)
1861AN65BS	18 x 6 in	23.5 in	16.8 in	6.3 in
10017(100BC	(450 x 150 mm)	(597 mm)	(425 mm)	(159 mm)
1862AN65BS	18 x 8 in	23.5 in	16.8 in	8.6 in
1002AN03D3	(450 x 200 mm)	(597 mm)	(425 mm)	(218 mm)
2460AN65BS	24 x 4 in	25.0 in	20.1 in	4.3 in
2400AN03B3	(600 x 100 mm)	(636 mm)	(511 mm)	(108 mm)
2461AN65BS	24 x 6 in	25.0 in	20.1 in	6.3 in
2401/AN00DO	(600 x 150 mm)	(636 mm)	(511 mm)	(159 mm)
2462AN65BS	24 x 8 in	25.0 in	20.1 in	8.6 in
2402AN03D3	(600 x 200 mm)	(636 mm)	(511 mm)	(218 mm)
3060AN65BS	30 x 4 in	28.6 in	23.8 in	4.3 in
3000AN03D3	(750 x 100 mm)	(725 mm)	(603 mm)	(108 mm)
3061AN65BS	30 x 6 in	28.6 in	23.8 in	6.3 in
300 TAN03D3	(750 x 150 mm)	(725 mm)	(603 mm)	(159 mm)
3062AN65BS	30 x 8 in	28.6 in	23.8 in	8.6 in
0002/1110000	(750 x 200 mm)	(725 mm)	(603 mm)	(218 mm)
3660AN65BS	36 x 4 in	36.7 in	26.6 in	4.3 in
3000AN03D3	(900 x 100 mm)	(933 mm)	(676 mm)	(108 mm)
3661AN65BS	36 x 6 in	36.7 in	26.6 in	6.3 in
000 1A1100D0	(900 x 150 mm)	(933 mm)	(676 mm)	(159 mm)
3662AN65BS	36 x 8 in	36.7 in	26.6 in	8.6 in
3002AN03D3	(900 x 200 mm)	(933 mm)	(676 mm)	(218 mm)

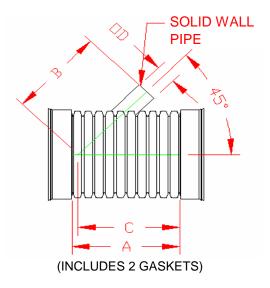




DRAWING #:	6100A	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

REDUCING TAP WYE (ST/WT CONNECTION)

PART #	PIPE SIZE	А	В	С	OD
0680AN65BS	6 x 4 in	11.8 in	16.0 in	9.2 in	4.3 in
	(150 x 100 mm)	(300 mm)	(405 mm)	(234 mm)	(109 mm)
0880AN65BS	8 x 4 in	15.4 in	17.3 in	12.1 in	4.3 in
	(200 x 100 mm)	(391 mm)	(439 mm)	(307 mm)	(109 mm)
0881AN65BS	8 x 6 in	15.4 in	19.7 in	12.1 in	6.3 in
00017(10000	(200 x 150 mm)	(391 mm)	(499 mm)	(307 mm)	(160 mm)
4000 A NCEDC	10 x 4 in	19.0 in	18.7 in	14.5 in	4.3 in
1080AN65BS	(250 x 100 mm)	(483 mm)	(475 mm)	(368 mm)	(109 mm)
1081AN65BS	10 x 6 in	19.0 in	21.1 in	14.5 in	6.3 in
1001AN0363	(250 x 150 mm)	(483 mm)	(535 mm)	(368 mm)	(160 mm)
1082AN65BS	10 x 8 in	19.0 in	23.4 in	14.5 in	8.6 in
1002AN0000	(250 x 200 mm)	(483 mm)	(594 mm)	(368 mm)	(218 mm)
40004NCEDC	12 x 4 in	33.7 in	18.4 in	25.6 in	4.3 in
1280AN65BS	(300 x 100 mm)	(857 mm)	(467 mm)	(650 mm)	(109 mm)
4004 A NCEDC	12 x 6 in	33.7 in	19.4 in	25.6 in	6.3 in
1281AN65BS	(300 x 150 mm)	(856 mm)	(493 mm)	(650 mm)	(160 mm)
1282AN65BS	12 x 8 in	33.7 in	21.1 in	25.6 in	8.6 in
1202AN03D3	(300 x 200 mm)	(856 mm)	(536 mm)	(650 mm)	(218 mm)
4F00ANCEDC	15 x 4 in	34.2 in	18.4 in	25.6 in	4.3 in
1580AN65BS	(375 x 100 mm)	(869 mm)	(467 mm)	(650 mm)	(109 mm)
4EQ4ANCEDC	15 x 6 in	34.2 in	19.4 in	25.6 in	6.3 in
1581AN65BS	(375 x 150 mm)	(869 mm)	(493 mm)	(650 mm)	(160 mm)
4E004NGED0	15 x 8 in	34.2 in	21.1 in	25.6 in	8.6 in
1582AN65BS	(375 x 200 mm)	(869 mm)	(536 mm)	(650 mm)	(218 mm)

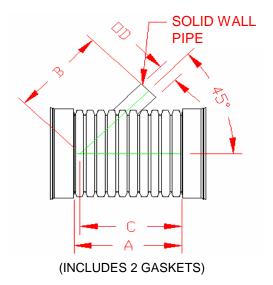




DRAWING #:	6105	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
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REDUCING TAP WYE (ST/WT CONNECTION)

PART#	PIPE SIZE	А	В	С	OD
1880AN65BS	18 x 4 in	33.9 in	20.9 in	28.0 in	4.3 in
1000AN03D3	(450 x 100 mm)	(861 mm)	(531 mm)	(711 mm)	(108 mm)
1881AN65BS	18 x 6 in	33.9 in	21.9 in	28.0 in	6.3 in
100 IAN03D3	(450 x 150 mm)	(861 mm)	(556 mm)	(711 mm)	(159 mm)
1882AN65BS	18 x 8 in	33.9 in	23.6 in	28.0 in	8.6 in
1002A1103D3	(450 x 200 mm)	(861 mm)	(599 mm)	(711 mm)	(218 mm)
2480AN65BS	24 x 4 in	40.7 in	25.6 in	34.4 in	4.3 in
2460AN03B3	(600 x 100 mm)	(1034 mm)	(650 mm)	(874 mm)	(108 mm)
2481AN65BS	24 x 6 in	40.7 in	26.6 in	34.4 in	6.3 in
240 TAIN03D3	(600 x 150 mm)	(1034 mm)	(676 mm)	(874 mm)	(159 mm)
2482AN65BS	24 x 8 in	40.7 in	28.3 in	34.4 in	8.6 in
2402AI100D0	(600 x 200 mm)	(1034 mm)	(719 mm)	(874 mm)	(218 mm)
3080AN65BS	30 x 4 in	49.4 in	30.8 in	42.3 in	4.3 in
3000AN03D3	(750 x 100 mm)	(1255 mm)	(782 mm)	(1074 mm)	(108 mm)
3081AN65BS	30 x 6 in	49.4 in	31.7 in	42.3 in	6.3 in
300 TAN03D3	(750 x 150 mm)	(1255 mm)	(805 mm)	(1074 mm)	(159 mm)
3082AN65BS	30 x 8 in	49.4 in	33.5 in	42.3 in	8.6 in
3002AN03D3	(750 x 200 mm)	(1255 mm)	(851 mm)	(1074 mm)	(218 mm)

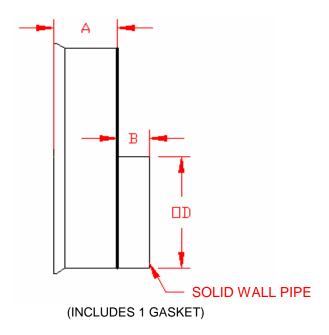




DRAWING #:	6105A	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

TAP REDUCER (ST/WT CONNECTION)

PART #	PIPE SIZE	А	В	OD
0670AN65BS	6 x 4 in	2.6 in	6.3 in	4.3 in
	(150 x 100 mm)	(67 mm)	(159 mm)	(108 mm)
0870AN65BS	8 x 4 in	3.2 in	6.5 in	4.3 in
	(200 x 100 mm)	(81 mm)	(165 mm)	(108 mm)
0871AN65BS	8 x 6 in	3.2 in	6.5 in	6.3 in
	(200 x 150 mm)	(81 mm)	(165 mm)	(159 mm)
1070AN65BS	10 x 4 in	4.3 in	6.4 in	4.3 in
	(250 x 100 mm)	(108 mm)	(162 mm)	(108 mm)
1071AN65BS	10 x 6 in	4.3 in	6.4 in	6.3 in
	(250 x 150 mm)	(108 mm)	(162 mm)	(159 mm)
1072AN65BS	10 x 8 in	4.3 in	6.4 in	8.6 in
	(250 x 200 mm)	(108 mm)	(163 mm)	(219 mm)
1270AN65BS	12 x 4 in	7.0 in	6.1 in	4.3 in
	(300 x 100 mm)	(178 mm)	(156 mm)	(108 mm)
1271AN65BS	12 x 6 in	7.0 in	6.1 in	6.3 in
	(300 x 150 mm)	(178 mm)	(155 mm)	(159 mm)
1272AN65BS	12 x 8 in	7.0 in	6.1 in	8.6 in
	(300 x 200 mm)	(178 mm)	(155 mm)	(218 mm)
1570AN65BS	15 x 4 in	9.0 in	6.1 in	4.3 in
	(375 x 100 mm)	(229 mm)	(155 mm)	(108 mm)
1571AN65BS	15 x 6 in	9.0 in	6.1 in	6.3 in
	(375 x 150 mm)	(229 mm)	(155 mm)	(159 mm)
1572AN65BS	15 x 8 in	9.0 in	6.1 in	8.6 in
	(375 x 200 mm)	(229 mm)	(155 mm)	(218 mm)

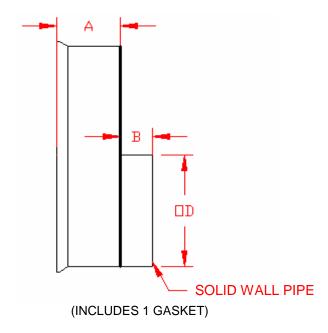




DRAWING #:	6110	
DRAWN BY:	JCB	05.23.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07

TAP REDUCER (ST/WT CONNECTION)

PART #	PIPE SIZE	А	В	OD
1870AN65BS	18 x 4 in	10.0 in	5.9 in	4.3 in
	(450 x 100 mm)	(254 mm)	(149 mm)	(108 mm)
1871AN65BS	18 x 6 in	10.0 in	5.9 in	6.3 in
107 17 (1400)	(450 x 150 mm)	(254 mm)	(150 mm)	(159 mm)
1872AN65BS	18 x 8 in	10.0 in	5.9 in	8.6 in
1072/1103/03	(450 x 200 mm)	(254 mm)	(150 mm)	(218 mm)
2470AN65BS	24 x 4 in	14.4 in	5.9 in	4.3 in
247 UAIN03D3	(600 x 100 mm)	(365 mm)	(150 mm)	(108 mm)
2471AN65BS	24 x 6 in	14.4 in	5.9 in	6.3 in
247 TANO3D3	(600 x 150 mm)	(366 mm)	(150 mm)	(159 mm)
2472AN65BS	24 x 8 in	14.4 in	5.9 in	8.6 in
247 2AN03D3	(600 x 200 mm)	(366 mm)	(150 mm)	(218 mm)
3070AN65BS	30 x 4 in	14.4 in	5.8 in	4.3 in
3070AN03B3	(750 x 100 mm)	(366 mm)	(146 mm)	(108 mm)
3071AN65BS	30 x 6 in	14.4 in	5.8 in	6.3 in
307 TAN03D3	(750 x 150 mm)	(366 mm)	(147 mm)	(159 mm)
3072AN65BS	30 x 8 in	14.4 in	5.8 in	8.6 in
307 ZAN03DO	(750 x 200 mm)	(366 mm)	(147 mm)	(218 mm)
3670AN65BS	36 x 4 in	15.4 in	5.3 in	4.3 in
3070AN03B3	(900 x 100 mm)	(391 mm)	(133 mm)	(108 mm)
3671AN65BS	36 x 6 in	15.4 in	5.3 in	6.3 in
JUI IANUJDS	(900 x 150 mm)	(391 mm)	(135 mm)	(159 mm)
3672AN65BS	36 x 8 in	15.4 in	5.3 in	8.6 in
JUIZANUJBS	(900 x 200 mm)	(391 mm)	(135 mm)	(218 mm)



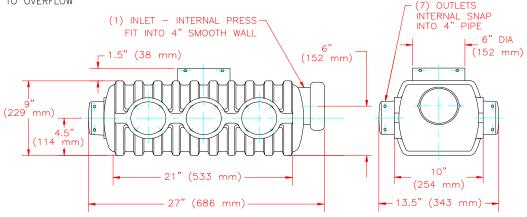


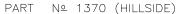
DRAWING #:	6110A	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.20.07
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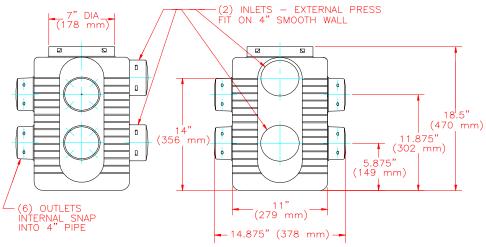
DISTRIBUTION BOXES

PART Nº 1369 (REGULAR)





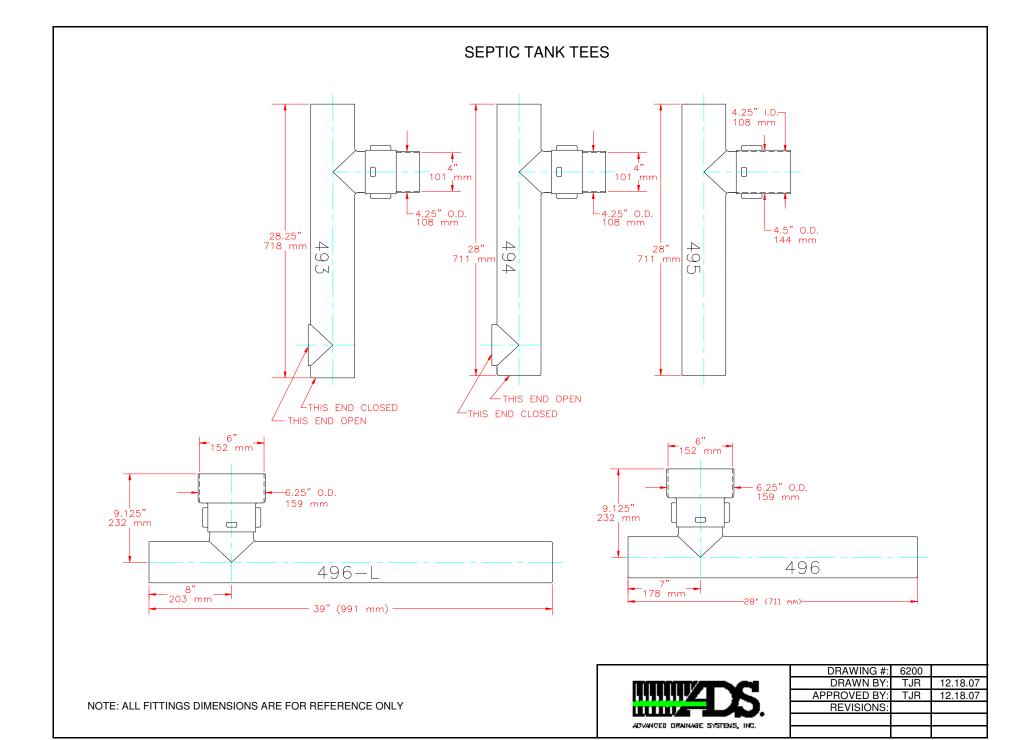




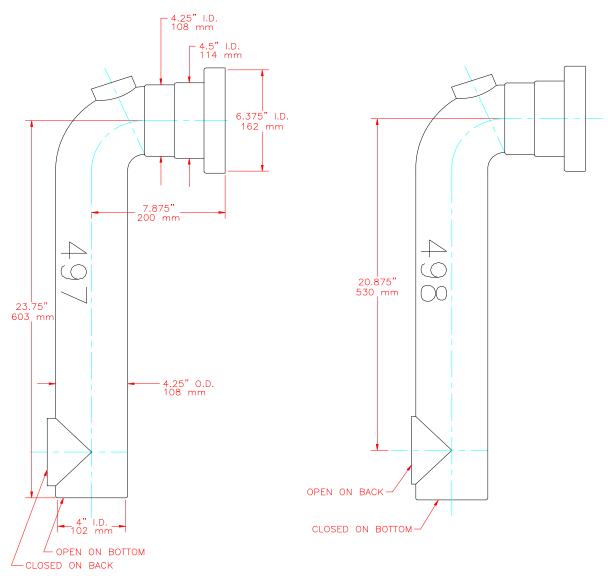
CAPACITY: 8 GALLONS (30.3 LITERS) TO OVERFLOW

ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	6150	
DRAWN BY:	TJR	12.18.07
APPROVED BY:	TJR	12.18.07
REVISIONS:		



SEPTIC TANK ELBOWS

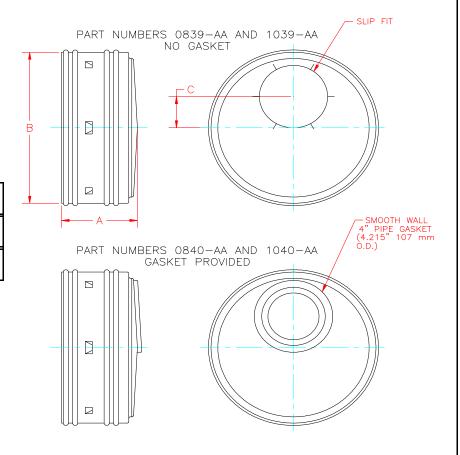




DRAWING #:	6250	
DRAWN BY:	TJR	12.18.07
APPROVED BY:	TJR	12.18.07
REVISIONS:		

SB2 ADAPTERS

PART #	PIPE SIZE	Α	В	OD
0839AA	8 in	4.3 in	9.8 in	1.1 in
0840AA	(200 mm)	(108 mm)	(248 mm)	(29 mm)
1039AA	10 in	5.5 in	12.3 in	2.5 in
1040AA	(250 mm)	(140 mm)	(311 mm)	(64 mm)

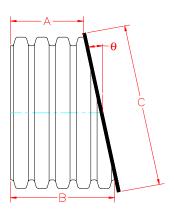


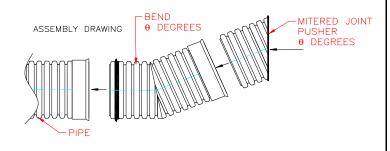


DRAWING #:	6300	
DRAWN BY:	TJR	12.18.07
APPROVED BY:	TJR	12.18.07
REVISIONS:		

DUAL WALL MITERED JOINT PUSHER

DADT #	DIDE CIZE	^	Б	0	0
PART #	PIPE SIZE	А	В	С	θ
2408ANMP03	24"	11.0 in	12.5 in	18.8 in	3
2400AINIVIF 03	(600 mm)	(280 mm)	(317 mm)	(479 mm)	3
3008ANMP03	30 in	14.4 in	16.3 in	36.2 in	3
3000AININI 03	(750 mm)	(366 mm)	(413 mm)	(918 mm)	5
3608ANMP03	36 in	18.4 in	20.6 in	42.8 in	3
3000AINIVII 03	(900 mm)	(466 mm)	(522 mm)	(1086 mm)	J
2408ANMP05	24"	11.0 in	13.5 in	28.9 in	5
2400AINIVIF 03	(600 mm)	(280 mm)	(342 mm)	(734 mm)	5
3008ANMP05	30 in	14.4 in	17.5 in	36.2 in	5
3000ANIVII 03	(750 mm)	(366 mm)	(444 mm)	(920 mm)	3
3608ANMP05	36 in	18.4 in	22.0 in	42.9 in	5
3000AININI 03	(900mm)	(466 mm)	(559 mm)	(1089 mm)	3
2408ANMP11	24 in	11.0 in	16.6 in	29.3 in	11.25
2400ANIVII II	(600 mm)	(280 mm)	(420 mm)	(745 mm)	11.25
3008ANMP11	30 in	14.4 in	21.4 in	36.8 in	11.25
3000AININI 11	(750 mm)	(366 mm)	(544 mm)	(934 mm)	11.20
3608ANMP11	36 in	18.4 in	26.7 in	43.5 in	11.25
000071141011 11	(900 mm)	(466 mm)	(677 mm)	(1105 mm)	11.20
2408ANMP22	15 x 4 in	11.0 in	22.5 in	31.1 in	22.5
2400ANIVIF 22	(600 mm)	(280 mm)	(573 mm)	(790 mm)	22.5
3008ANMP22	30 in	14.4 in	29.0 in	40.0 in	22.5
OOOOAINIVII ZZ	(750 mm)	(366 mm)	(736 mm)	(1016 mm)	22.5
3608ANMP22	36 in	18.4 in	35.7 in	46.1 in	22.5
OCCO, II VIVII ZZ	(900mm)	(466 mm)	(906 mm)	(1172 mm)	22.0





θ REPRESENTS THE DEGREE OF BEND ONE IS ASSEMBLING.



DRAWING #:	6350	
DRAWN BY:	TJR	12.18.07
APPROVED BY:	TJR	12.18.07
REVISIONS:		

SMALL DIAMETER DUAL WALL FABRICATED BENDS 4" - 10" DIAMETER

11.25° BENDS

PART#	PIPE SIZE	А	JOINT
0491AN	4 in (100 mm)	4.2 in (107 mm)	*
0691AN	6 in (150 mm)	5.0 in (126 mm)	*
0891AN	8 in (200 mm)	6.7 in (170 mm)	*
1091AN	10 in (250 mm)	7.5 in (189 mm)	*

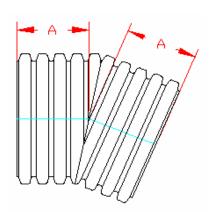
22.5º BENDS

PART#	PIPE SIZE	Α	JOINT
0492AN	4 in (100 mm)	4.5 in (114 mm)	*
0692AN	6 in	5.4 in	*
0002/111	(150 mm)	(137 mm)	
0892AN	8 in	7.6 in	*
0032/11	(200 mm)	(194 mm)	
1092AN	10 in	7.8 in	*
IUSZAN	(250 mm)	(197 mm)	

30° BENDS

PART#	PIPE SIZE	А	JOINT
0495AN	4 in (100 mm)	4.6 in (116 mm)	*
0695AN	6 in (150 mm)	5.5 in (139 mm)	*
0895AN	8 in (200 mm)	7.5 in (189 mm)	*
1095AN	10 in (250 mm)	8.4 in (214 mm)	*

^{* =} PLAIN END





DRAWING #:	7000	
DRAWN BY:	JCB	05.07.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.15.07

SMALL DIAMETER DUAL WALL FABRICATED BENDS 4" - 10" DIAMETER

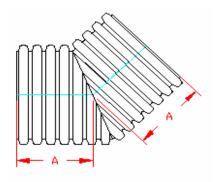
45° BENDS

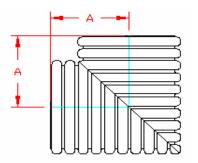
PART#	PIPE SIZE	А	JOINT
0494AN	4 in (100 mm)	4.2 in (107 mm)	*
0694AN	6 in (150 mm)	5.0 in (126 mm)	*
0894AN	8 in (200 mm)	6.7 in (170 mm)	*
1094AN	10 in (250 mm)	7.5 in (189 mm)	*

90° BENDS

PART#	PIPE SIZE	А	JOINT
0499AN	4 in (100 mm)	4.5 in (114 mm)	*
0699AN	6 in (150 mm)	5.4 in (137 mm)	*
0899AN	8 in (200 mm)	7.6 in (194 mm)	*
1099AN	10 in (250 mm)	7.8 in (197 mm)	*

^{* =} PLAIN END





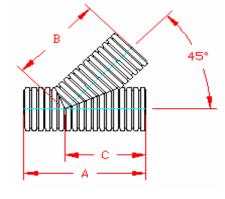


DRAWING #:	7005	
DRAWN BY:	JCB	05.09.07
APPROVED BY:	JCB	06.29.07
REVISIONS:	JCB	06.29.07

SMALL DIAMETER DUAL WALL FABRICATED WYES 4" - 10" DIAMETER

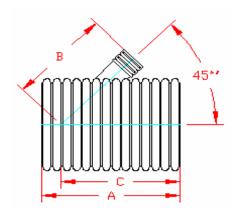
45° WYES

PART #	PIPE SIZE	А	В	С	JOINT
0480AN	4 in (100 mm)	15.1 in (383 mm)	9.8 in (250 mm)	9.8 in (250 mm)	*
0681AN	6 in (150 mm)	19.4 in (491 mm)	13.2 in (334 mm)	13.2 in (334 mm)	*
1882AN	8 in (200 mm)	26.9 in (683 mm)	18.2 in (463 mm)	18.2 in (463 mm)	*
1083AN	10 in (250 mm)	32.8 in (832 mm)	22.7 in (576 mm)	22.7 in (576 mm)	*



45° REDUCING WYES

PART#	PIPE SIZE	А	В	С	JOINT
0680AN	6 x 4 in	16.3 in	16.0 in	11.6 in	*
	(150 x 100 mm)	(413 mm)	(405 mm)	(295 mm)	
0880AN	8 x 4 in	18.2 in	17.3 in	14.0 in	*
UUUUAN	(200 x 100 mm)	(463 mm)	(439 mm)	(356 mm)	
0881AN	8 x 6 in	23.0 in	19.7 in	15.9 in	*
UUUTAN	(200 x 150 mm)	(585 mm)	(499 mm)	(405 mm)	
1080AN	10 x 4 in	22.7 in	18.7 in	17.3 in	*
TUOUAIN	(250 x 100 mm)	(576 mm)	(475 mm)	(439 mm)	
1081AN	10 x 6 in	23.9 in	21.1 in	17.5 in	*
TOOTAIN	(250 x 150 mm)	(608 mm)	(535 mm)	(444 mm)	
1082AN	10 x 8 in	27.7 in	23.4 in	19.5 in	*
TUOZAIN	(250 x 200 mm)	(704 mm)	(594 mm)	(496 mm)	





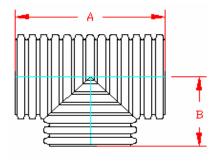
DRAWING #:	7010	
DRAWN BY:	JCB	05.09.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.15.07

^{* =} PLAIN END

SMALL DIAMETER DUAL WALL FABRICATED TEES 4" - 10" DIAMETER

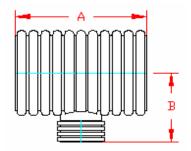
STANDARD TEES

PART#	PIPE SIZE	А	В	JOINT
0460AN	4 in (100 mm)	12.8 in (324 mm)	6.2 in (158 mm)	*
0661AN	6 in (150 mm)	16.5 in (419 mm)	8.1 in (207 mm)	*
0862AN	8 in (200 mm)	21.0 in (533 mm)	10.6 in (268 mm)	*
1063AN	10 in (250 mm)	26.0 in (660 mm)	12.6 in (320 mm)	*



REDUCING TEES

PART#	PIPE SIZE	А	В	JOINT
0660AN	6 x 4 in (150 x 100 mm)	14.7 in (374 mm)	9.9 in (252 mm)	*
0860AN	8 x 4 in (200 x 100 mm)	17.3 in (439 mm)	11.2 in (285 mm)	*
0861AN	8 x 6 in (200 x 150 mm)	20.2 in (512 mm)	11.5 in (293 mm)	*
1060AN	10 x 4 in (250 x 100 mm)	20.2 in (512 mm)	11.3 in (286 mm)	*
1061AN	10 x 6 in (250 x 150 mm)	20.2 in (512 mm)	13.1 in (332 mm)	*
1062AN	10 x 8 in (250 x 200 mm)	22.7 in (576 mm)	15.2 in (385 mm)	*





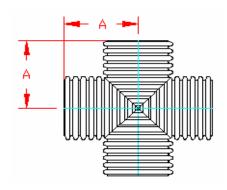
DRAWING #:		
DRAWN BY:	JCB	05.09.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.15.07

^{* =} PLAIN END

SMALL DIAMETER DUAL WALL FABRICATED CROSS TEES 4" - 12" DIAMETER

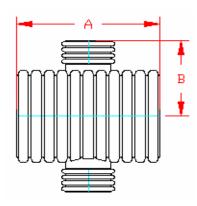
STANDARD CROSS TEES

PART#	PIPE SIZE	Α	JOINT
0430AN	4 in (100 mm)	7.3 in (184 mm)	*
0631AN	6 in (150 mm)	9.2 in (235 mm)	*
0832AN	8 in (200 mm)	11.5 in (293 mm)	*
1033AN	10 in (250 mm)	13.9 in (352 mm)	*
1234AN	12 in (300 mm)	15.4 in (390 mm)	*



REDUCING CROSS TEES

PART#	PIPE SIZE	А	В	С	JOINT
0630AN	6 x 4 in (150 x 100 mm)	14.7 in (374 mm)	9.9 in (252 mm)	14.7 in (374 mm)	*
0830AN	8 x 4 in (200 x 100 mm)	17.3 in (439 mm)	11.2 in (285 mm)	17.3 in (439 mm)	*
0831AN	8 x 6 in (200 x 150 mm)	20.2 in (512 mm)	11.5 in (293 mm)	20.2 in (512 mm)	*
1030AN	10 x 4 in (250 x 100 mm)	20.2 in (512 mm)	11.3 in (286 mm)	20.2 in (512 mm)	*
1031AN	10 x 6 in (250 x 150 mm)	20.2 in (512 mm)	13.1 in (332 mm)	20.2 in (512 mm)	*
1032AN	10 x 8 in (250 x 200 mm)	22.7 in (576 mm)	15.2 in (385 mm)	22.7 in (576 mm)	*
1230AN	12 x 4 in (300 x 100 mm)	30.7 in (780 mm)	13.6 in (345 mm)	30.7 in (780 mm)	*
1231AN	12 x 6 in (300 x 150 mm)	30.7 in (780 mm)	14.5 in (368 mm)	30.7 in (780 mm)	*
1232AN	12 x 8 in (300 x 200 mm)	30.7 in (780 mm)	17.0 in (432 mm)	30.7 in (780 mm)	*
1233AN	12 x 10 in (300 x 250 mm)	30.7 in (780 mm)	16.4 in (416 mm)	30.7 in (780 mm)	*



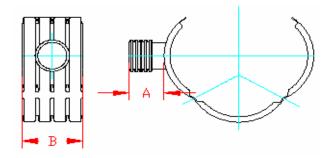


DRAWING #:	7020	
DRAWN BY:	JCB	05.09.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.15.07
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^{* =} PLAIN END

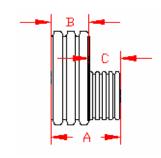
SMALL DIAMETER REDUCING SADDLE TEE 8"x4" - 10"x8" DIAMETER

PART#	PIPE SIZE	А	JOINT
0840AN	8 x 4 in (200 x 100 mm)	6.4 in (163 mm)	*
0841AN	8 x 6 in (200 x 150 mm)	7.8 in (198 mm)	*
1040AN	10 x 4 in (250 x 100 mm)	6.2 in (157 mm)	*
1041AN	10 x 6 in (250 x 150 mm)	7.7 in (196 mm)	*
1042AN	10 x 8 in (250 x 200 mm)	11.0 in (279 mm)	*



SMALL DIAMETER DUAL WALL REDUCER 6"x4" - 10"x8" DIAMETER

PART#	PIPE SIZE	А	В	С	JOINT
0670AN	6 x 4 in (150 x 100 mm)	11.4 in (291 mm)	6.2 in (157 mm)	5.3 in (133 mm)	*
0870AN	8 x 4 in (200 x 100 mm)	12.0 in (304 mm)	6.7 in (171 mm)	5.3 in (133 mm)	*
0871AN	8 x 6 in (200 x 150 mm)	12.9 in (328 mm)	6.7 in (171 mm)	6.2 in (157 mm)	*
1070AN	10 x 4 in (250 x 100 mm)	12.8 in (325 mm)	7.6 in (192 mm)	5.3 in (133 mm)	*
1071AN	10 x 6 in (250 x 150 mm)	13.8 in (349 mm)	7.6 in (192 mm)	6.2 in (157 mm)	*
1072AN	10 x 8 in (250 x 200 mm)	14.3 in (363 mm)	7.6 in (192 mm)	6.7 in (171 mm)	*



ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	7025	
DRAWN BY:	JCB	05.09.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	NJP	06.15.07

^{* =} PLAIN END