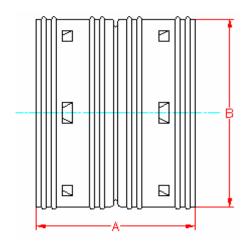
EXTERNAL SNAP COUPLER

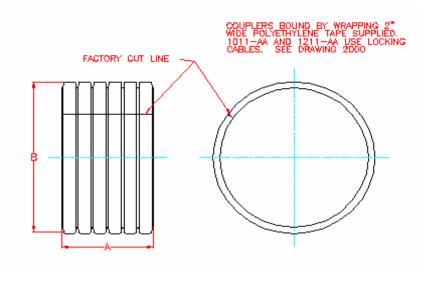
| PART # | PIPE SIZE | А | В |
|---------|-----------|----------|----------|
| 0312AA | 3 in | 4.0 in | 4.0 in |
| | (75 mm) | (102 mm) | (102 mm) |
| 0412AA* | 4 in | 4.3 in | 5.1 in |
| 041277 | (100 mm) | (108 mm) | (130 mm) |
| 0512AA | 5 in | 4.4 in | 6.3 in |
| 0512AA | (125 mm) | (111 mm) | (159 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 |

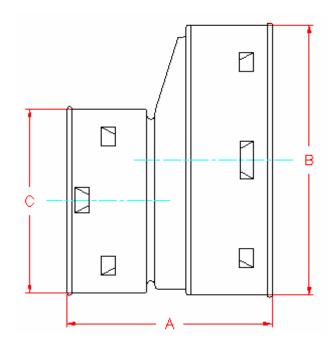
^{*} DENOTES PARTS THAT CAN ALSO BE USED ON DUAL WALL PIPE



| DRAWING #: | 1000 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.22.07 |
| REVISIONS: | NJP | 06.12.07 |
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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 |
| | | | | |
| UOTOAA | (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 |

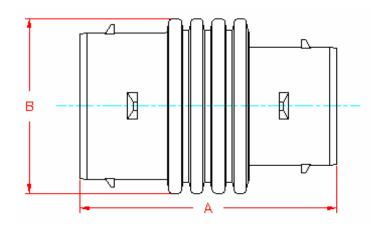




| DRAWING #: | 1005 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.22.07 |
| REVISIONS: | NJP | 06.12.07 |
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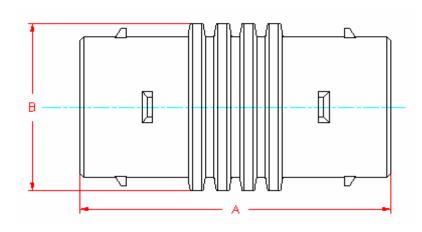
INTERNAL REDUCING COUPLER

| 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) |

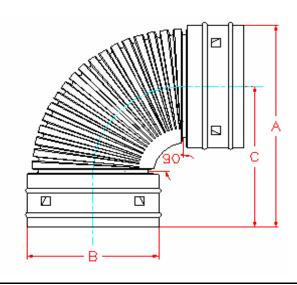




| DRAWING #: | 1010 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.22.07 |
| REVISIONS: | NJP | 06.12.07 |
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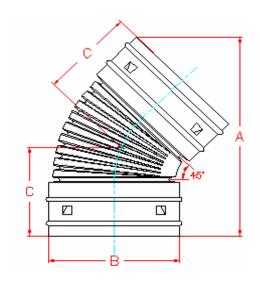
90°SNAP ELBOW

| 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) |

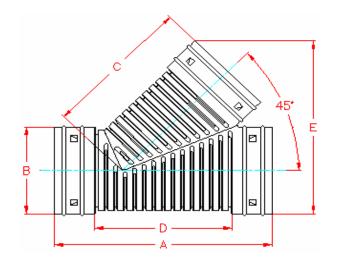


| ADVANCED DRAINAGE SYSTEMS, INC. |
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| DRAWING #: | 1015 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

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) |

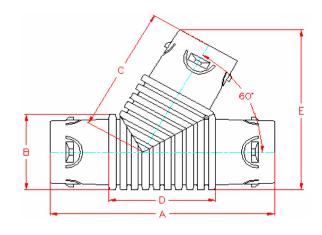




| DRAWING #: | 1020 | |
|--------------|------|--|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| | | , and the second |

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) |

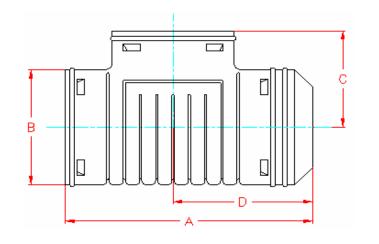




| DRAWING #: | 1021 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 10.17.07 |
| | | |
| | | |

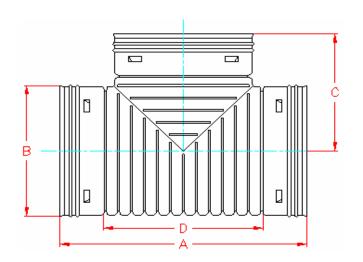
BLIND TEE

| 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) |

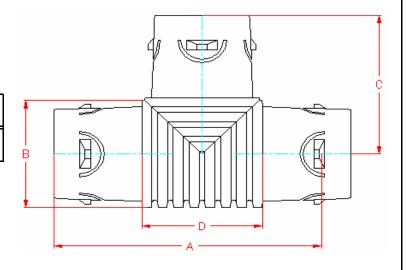




| DRAWING #: | 1025 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| | | |

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) |

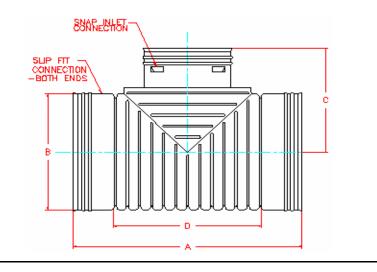


ADVANCED DRAINAGE SYSTEMS, INC.

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

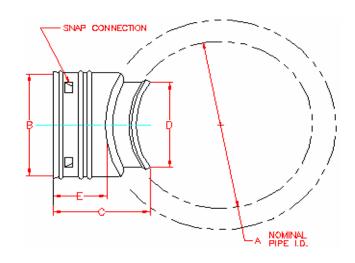
REDUCING TEE

| 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) |

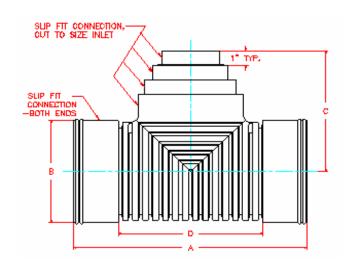




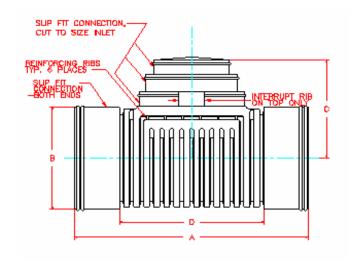
| DRAWING #: | 1030 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| | | |

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) |



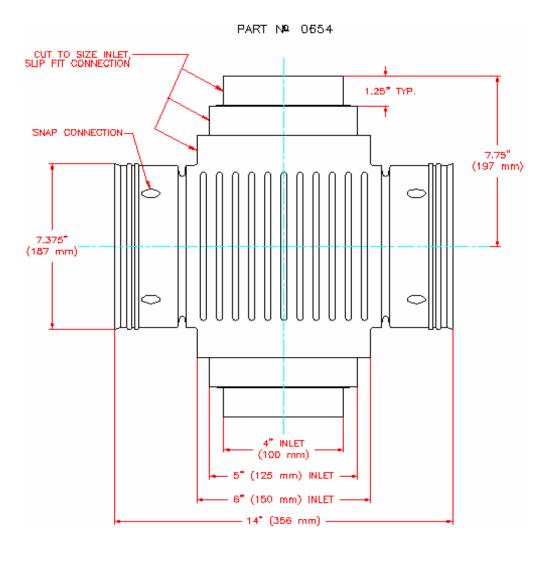
| PART # | PIPE SIZE | Α | В | С | D |
|------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|
| 1247AA | 12 in | 26.1 in | 14.7 in | 15.0 in | 20.3 in |
| 124177 | (300 mm) | (664 mm) | (373 mm) | (381 mm) | (514 mm) |
| | | | | | |
| 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. |
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| DRAWING #: | 1035 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| <u> </u> | | |

MULTIPLE CROSS TEE

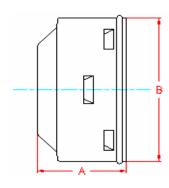


ADVANCED DRAINAGE SYSTEMS, INC.

| DRAWING #: | 1040 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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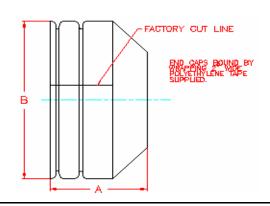
SNAP END CAP

| 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) |



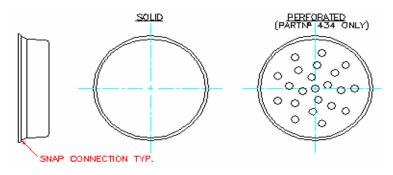
SPLIT END CAP

| 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 |

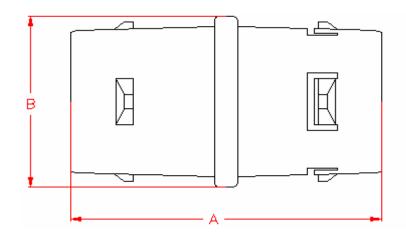


| ADVANCED DRAINAGE SYSTEMS, INC. |
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| DRAWING #: | 1045 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| <u> </u> | | |

INTERNAL SNAP PLUG

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

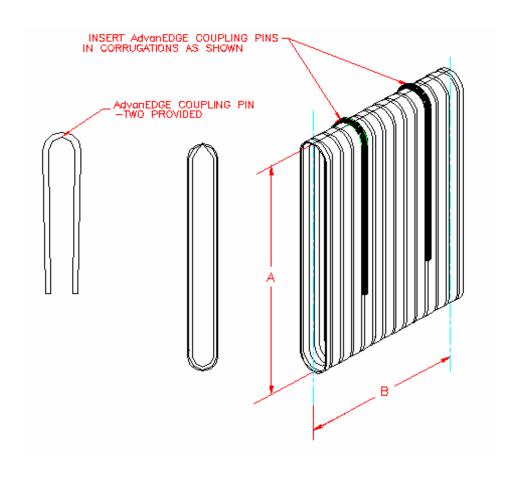




| DRAWING #: | 1046 | |
|--------------|------|----------|
| DRAWN BY: | CRM | 09.11.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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${\sf AdvanEDGE_{\sf TM}} \ {\sf EXTERNAL} \ {\sf SPLIT} \ {\sf COUPLERS}$

| 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) |

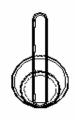


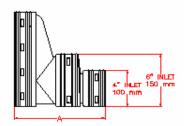


| DRAWING #: | 1100 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{END}\,\mathsf{OUTLETS}$

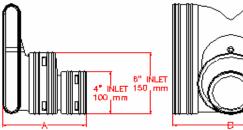
| PART# | PIPE SIZE | А |
|--------|--------------------------|---------------------|
| 1472AA | 12 in (300 mm) | 12.3 in (311 mm) |
| 1672AA | 18 in (300 mm) | 13.3 in (337 mm) |

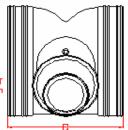




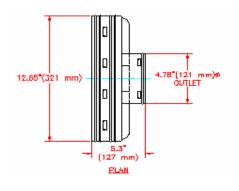
AdvanEDGE_{TM} SIDE OUTLETS

| 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)







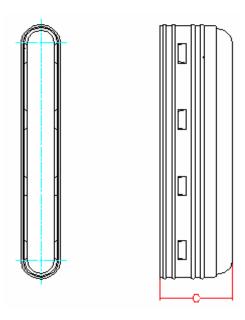


| DRAWING #: | 1105 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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

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

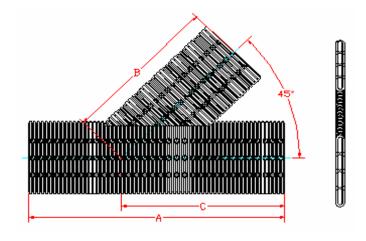




| DRAWING #: | 1110 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

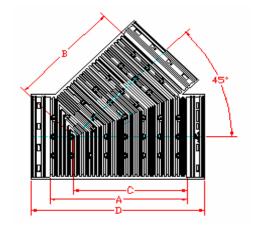
$\mathsf{AdvanEDGE}_{\mathsf{TM}}\,\mathsf{FABRICATED}\,\mathsf{WYE}$

| 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 | Α | 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) |



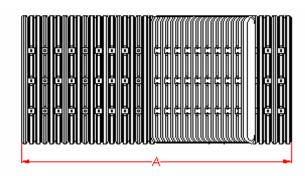


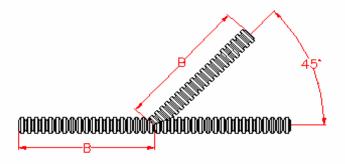
| DRAWING #: | 1115 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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

| 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) |



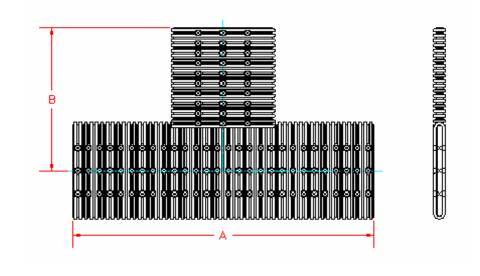




| DRAWING #: | 1115A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

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

| 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) |

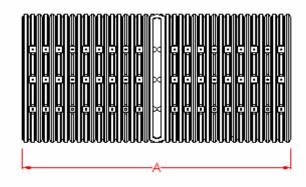


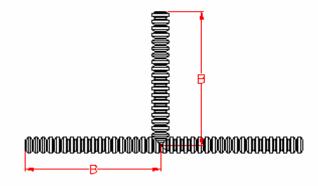


| DRAWING #: | 1120 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

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

| 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) |



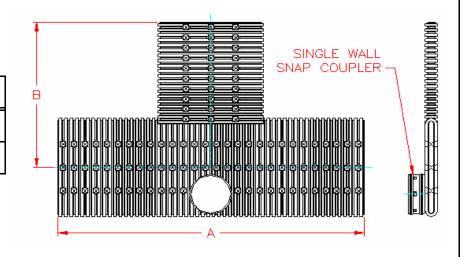




| DRAWING #: | 1120A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| | | |

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

| 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) |

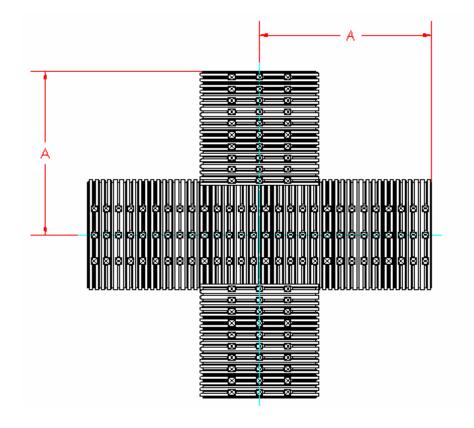




| DRAWING #: | 1125 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

AdvanEDGE_{TM} FABRICATED CROSS TEE

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



ADVANCED DRAINAGE SYSTEMS, INC.

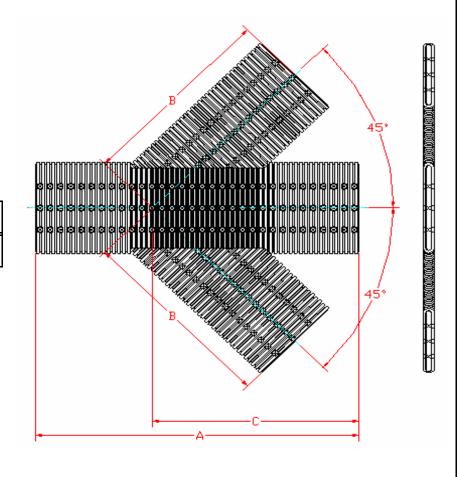
| DRAWING #: | 1130 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
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| | | |

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NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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

| 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) |



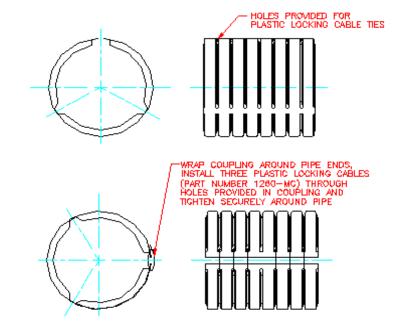


| DRAWING #: | 1135 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.12.07 |
| | | |
| | | |

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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 |
| | | |
| | | |

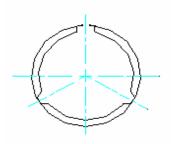
"A" PROFILE ST SPLIT COUPLER 10" - 60" DIAMETER

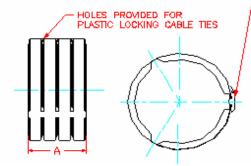
| | | 1 |
|----------|-----------|----------|
| PART# | PIPE SIZE | Α |
| 404444 | 10 in | 5.0 in |
| 1011AA | (250 mm) | (128 mm) |
| 404444* | 12 in | 7.7 in |
| 1211AA* | (300 mm) | (195 mm) |
| 1265AA | 12 in | 7.7 in |
| 1266AA | (300 mm) | (196 mm) |
| 1565AA | 15 in | 10.4 in |
| 1566AA | (375 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:

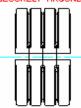
PARTS ENDING WITH "65" OR "61" DO NOT HAVE A GASKET. PARTS ENDING WITH "66" OR "62" ARE THE PREMIUM COUPLING SUPPLIED WITH A GASKET.

- * 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 **



NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY



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

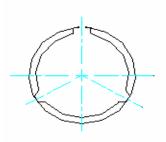
"H" PROFILE ST SPLIT COUPLER 10" - 60" DIAMETER

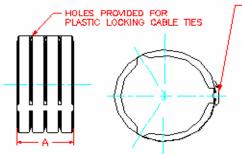
| PART# | PIPE SIZE | А |
|---------------|--------------------------|--------------------|
| 1011AA | 10 in (250 mm) | 5.0 in (128 mm) |
| 1211AA* | 12 in (300 mm) | 7.7 in (195 mm) |
| 1265AA | 12 in | 7.7 in |
| 1266AA | (300 mm) | (196 mm) |
| 1565AA | 15 in | 10.4 in |
| 1566AA | (375 mm) | (263 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:

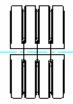
TOP #: COUPLER ONLY

BOTTOM #: COUPLER WITH GASKET





-WRAP COUPLING AROUND PIPE ENDS, INSTALL THREE PLASTIC LOCKING CABLES (PART NUMBER 1260-MC) THROUGH HOLES PREMADED 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 |
| | | |
| _ | | |

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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 |

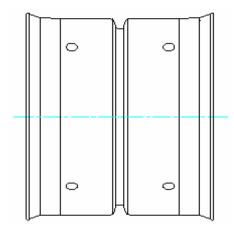
^{*} WRAP WITH GEOTEXTILE FOR PROPER CONNECTION



| 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) |

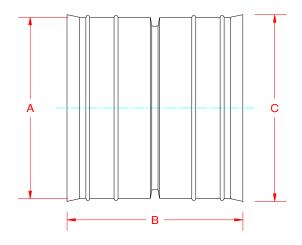




| DRAWING #: | 2005 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.13.07 |
| | | |
| | | |

BELL-BELL COUPLERS 12" - 60" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|----------|---------------------------|----------------------|---------------------|--------------------------|-------|
| 1215AA | 12 in (300 mm) | 14.6 in (371 mm) | 14.0 in (356 mm) | 15.4 in (391 mm) | ST/WT |
| 1515AA | 15 in (375 mm) | 17.8 in (451 mm) | 16.0 in (406 mm) | 18.6 in (472 mm) | ST/WT |
| 1815AA | 18 in (450 mm) | 21.4 in (544 mm) | 18.0 in (457 mm) | 22.4 in (569 mm) | ST/WT |
| 2415AA | 24 in (600 mm) | 28.2 in (716 mm) | 14.8 in (376 mm) | 29.3 in (743 mm) | ST/WT |
| 3013AN65 | 30 in (750 mm) | 36.0 in (914 mm) | 22.6 in (574 mm) | 38.5 in (978 mm) | ST/WT |
| 3613AN65 | 36 in (900 mm) | 42.5 in (1080 mm) | 22.6 in (574 mm) | 45.1 in (1145 mm) | ST/WT |
| 4213AN85 | 42 in (1050 mm) | 48.9 in (1241 mm) | 18.0 in (457 mm) | 50.4 in (1280 mm) | ST |
| 4213AN65 | 42 in (1050 mm) | 48.9 in (1242 mm) | 18.0 in (457 mm) | 50.4 in (1280 mm) | WT |
| 4813AN85 | 48 in (1200 mm) | 54.9 in (1393 mm) | 18.0 in (457 mm) | 57.5 in (1461 mm) | ST |
| 4813AN65 | 48 in (1200 mm) | 54.9 in (1394 mm) | 18.0 in (457 mm) | 57.5 in (1461 mm) | WT |
| 6013AN85 | 60 in (1500 mm) | 67.3 in (1708 mm) | 19.1 in (486 mm) | 70.1 in (1780 mm) | ST |
| 6013AN65 | 60 in (1500 mm) | 67.3 in (1708 mm) | 19.1 in (486 mm) | 70.1 in (1780 mm) | WT |



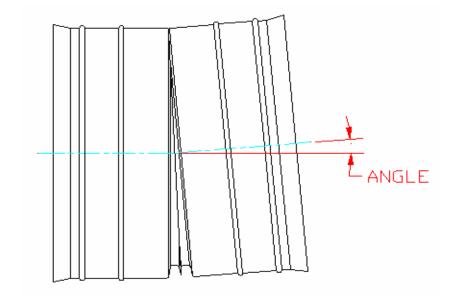
* REQUIRES GASKET TO PROVIDE SPECIFIED JOINT PEROFRMANCE



| DRAWING #: | 2030 | |
|--------------|------|-----------|
| DRAWN BY: | | 10.30.06 |
| APPROVED BY: | | |
| REVISIONS: | TJR | 4/15/2009 |
| | | |
| | | |

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. |



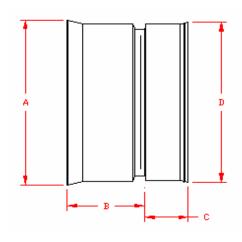
NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

| 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 3ANO3AI 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 |



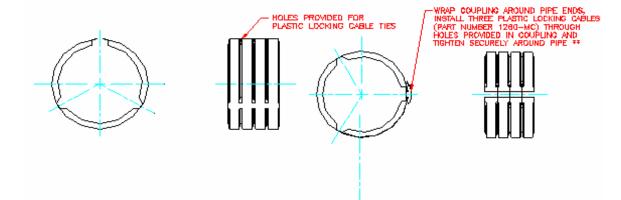
ST & WT (INCLUDES CORRESPONDING GASKETS)



| 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

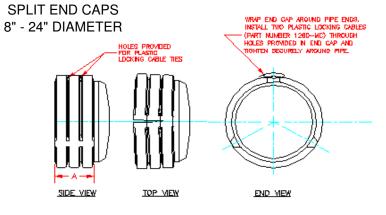
| PART# | PIPE SIZE |
|----------|------------------------|
| 4865ANAH | 48 in (1200 mm) |





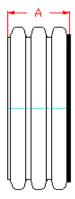
| DRAWING #: | 2045 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.21.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.13.07 |
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| | | |

PIPE SIZE PART# Α 2.9 in 8 in 0867AA (200 mm) (74 mm) 10 in 3.8 in 1067AA (250 mm) (97 mm) 12 in 5.8 in 1267AA (300 mm) (146 mm) 15 in 7.8 in 1567AA (375 mm) (197 mm) 18 in 8.0 in 1867AA (450 mm) (204 mm) 24 in 9.5 in 2467AA (600 mm) (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) |

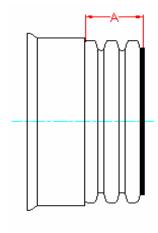




| DRAWING #: | 2100 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.05.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | CKM | 4/9/2010 |
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| | | |

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) |



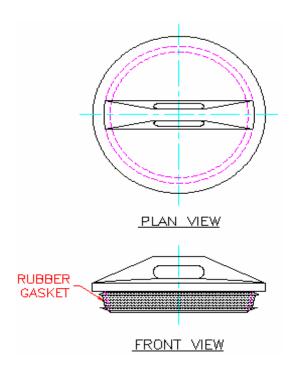
GASKET INCLUDED



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

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) |
| |

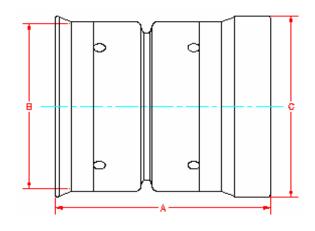




| DRAWING #: | 2110 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.05.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.13.07 |
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| | | |

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) |





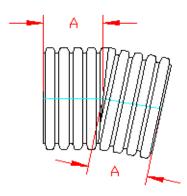
| DRAWING #: | 2115 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.05.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.13.07 |
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DUAL WALL FABRICATED 11.25º BENDS 4" - 24" DIAMETER

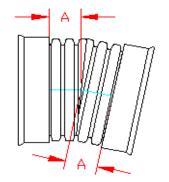
| | PART# | PIPE SIZE | А | JOINT |
|----|-----------|--------------------------|------------------------|-------|
| ** | 0491AN | 4 in (100 mm) | 4.2 in (107 mm) | * |
| ** | 0691AN | 6 in (150 mm) | 5.0 in (127 mm) | * |
| ** | 0891AN | 8 in (200 mm) | 6.7 in (170 mm) | * |
| ** | 1091AN | 10 in (250 mm) | 7.5 in (191 mm) | * |
| | 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 |

^{* =} PLAIN END ST = SOIL TIGHT

WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



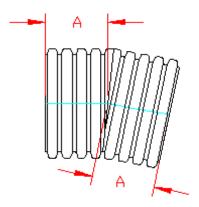
| DRAWING #: | 2200 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 2/2/2010 |
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| | | |

^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

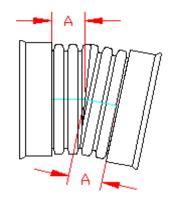
DUAL WALL FABRICATED 11.25º BENDS 30" - 60" DIAMETER

| PART # | PIPE SIZE | А | JOINT |
|-----------|---------------------------|-------------------------|-------|
| 3091AN | 30 in (750 mm) | 17.9 in (455 mm) | * |
| 3091AN | 30 in (750 mm) | 9.7 in (246 mm) | ST |
| 3091AN | 30 in (750 mm) | 9.7 in (246 mm) | WT |
| 3691AN | 36 in (900 mm) | 22.3 in (567 mm) | * |
| 3691AN85B | 36 in (900 mm) | 12.0 in (306 mm) | ST |
| 3691AN65B | 36 in (900 mm) | 12.0 in (306 mm) | WT |
| 4291AN | 42 in (1050 mm) | 17.6 in (448 mm) | * |
| 4291AN85B | 42 in (1050 mm) | 12.4 in (316 mm) | ST |
| 4291AN65B | 42 in (1050 mm) | 12.4 in (316 mm) | WT |
| 4891AN | 48 in (1200 mm) | 18.1 in (461 mm) | * |
| 4891AN85B | 48 in (1200 mm) | 12.9 in (328 mm) | ST |
| 4891AN65B | 48 in (1200 mm) | 12.9 in (328 mm) | WT |
| 6091AN | 60 in (1500 mm) | 21.1 in (536 mm) | * |
| 6091AN85B | 60 in (1500 mm) | 15.1 in (383 mm) | ST |
| 6091AN65B | 60 in (1500 mm) | 15.1 in (383 mm) | WT |

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



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



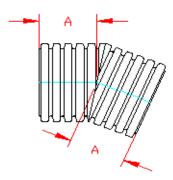
| DRAWING #: | 2200A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 2/2/2010 |
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| | | |

DUAL WALL FABRICATED 22.5º BENDS 4" - 30" DIAMETER

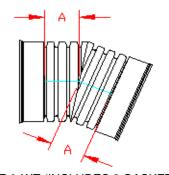
| | PART# | PIPE SIZE | А | JOINT |
|----|-----------|--------------------------|------------------------|-------|
| ** | 0492AN | 4 in (100 mm) | 4.5 in (114 mm) | * |
| ** | 0692AN | 6 in (150 mm) | 5.4 in (137 mm) | * |
| ** | 0892AN | 8 in (200 mm) | 7.6 in (194 mm) | * |
| ** | 1092AN | 10 in (250 mm) | 7.8 in (197 mm) | * |
| | 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 |

^{* =} 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: | TJR | 1/29/2010 |
| | | |
| | | |

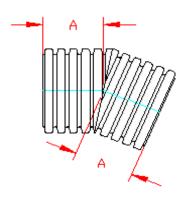
^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

DUAL WALL FABRICATED 22.5° BENDS 30" - 60" DIAMETER

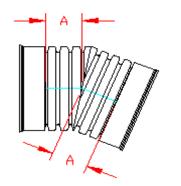
| PART# | PIPE SIZE | А | JOINT |
|-----------|---------------------------|---------------------|-------|
| 3092AN | 30 in (750 mm) | 17.9 in (455 mm) | * |
| 3092AN85B | 30 in (750 mm) | 9.7 in (245 mm) | ST |
| 3092AN65B | 30 in (750 mm) | 9.7 in (245 mm) | WT |
| 3692AN | 36 in (900 mm) | 21.5 in (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) | 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) | 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) | WT |

^{* =} PLAIN END

ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



| DRAWING #: | 2205A | |
|--------------|-------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 1/29/2010 |
| | | |
| | | |

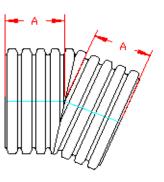
DUAL WALL FABRICATED 30º BENDS 4" - 24" DIAMETER

| | 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) | 7.4 in (189 mm) | * |
| ** | 1095AN | 10 in (250 mm) | 8.4 in (214 mm) | * |
| | 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 |

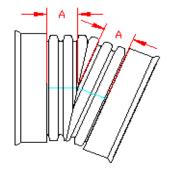
^{* =} PLAIN END

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: | TJR | 1/29/2010 |
| | | |
| | | , |

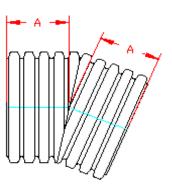
^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

DUAL WALL FABRICATED 30º BENDS 30" - 60" DIAMETER

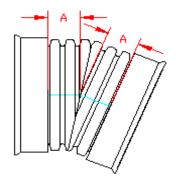
| PART# | PIPE SIZE | А | JOINT |
|-----------|---------------------------|---------------------|-------|
| 3095AN | 30 in (750 mm) | 20.6 in (523 mm) | * |
| 3095AN85B | 30 in (750 mm) | 13.5 in (342 mm) | ST |
| 3095AN65B | 30 in (750 mm) | 13.5 in (342 mm) | WT |
| 3695AN | 36 in (900 mm) | 25.9 in (658 mm) | * |
| 3695AN85B | 36 in (900 mm) | 15.4 in (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 (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) | WT |

^{* =} PLAIN END ST = SOIL TIGHT

WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

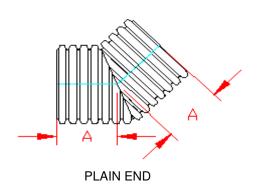


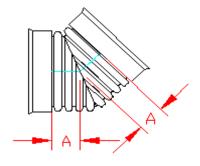
| DRAWING #: | 2210A | |
|--------------|-------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 1/29/2010 |
| | | |
| | | |

DUAL WALL FABRICATED 45° BENDS 4" - 30" DIAMETER

| | PART# | PIPE SIZE | Α | 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) | WT |
| | 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 |

^{* =} PLAIN END WT = WATER TIGHT





ST & WT (INCLUDES 2 GASKETS)



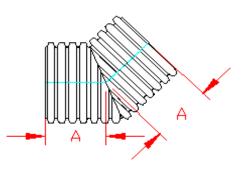
| DRAWING #: | 2212 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 1/29/2010 |
| | | |
| | | |

^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

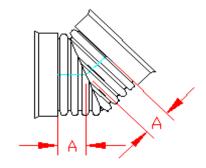
DUAL WALL FABRICATED 45º BENDS 36" - 60" DIAMETER

| PART # | PIPE SIZE | А | JOINT |
|------------|---------------------------|--------------------------|-------|
| 3697AN | 36 in (900 mm) | 29.3 in (745 mm) | * |
| 3697AN65BB | 36 in (900 mm) | 13.6 in (345 mm) | WT |
| 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



PLAIN END



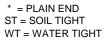
ST & WT (INCLUDES 2 GASKETS)

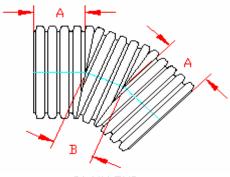


| DRAWING #: | 2212A | |
|--------------|-------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | TJR | 1/29/2010 |
| | | |
| | | |

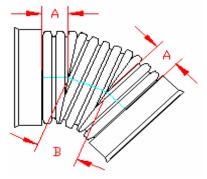
DUAL WALL FABRICATED MITERED 45° BENDS 12" - 30" DIAMETER

| 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)

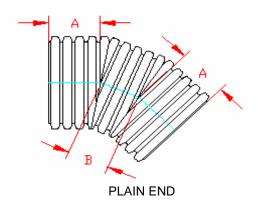


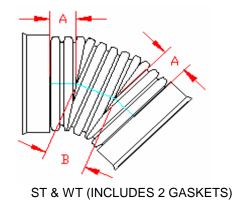
| DRAWING #: | 2215 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.25.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED MITERED 45° BENDS 36" - 60" DIAMETER

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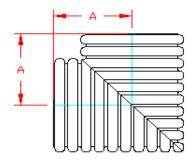
SMALL DIAMETER DUAL WALL FABRICATED BENDS 4" - 10" DIAMETER

90º 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) | * |



^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS



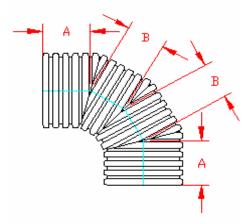


| DRAWING #: | 2217 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 05.09.07 |
| APPROVED BY: | JCB | 06.29.07 |
| REVISIONS: | TJR | 2/10/2010 |
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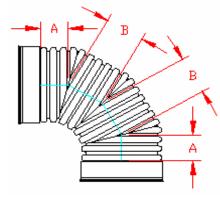
DUAL WALL FABRICATED MITERED 90° BENDS 12" - 18" DIAMETER

| 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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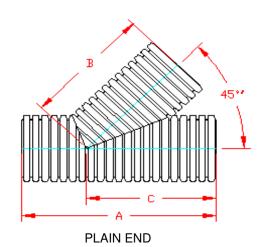
DUAL WALL FABRICATED STANDARD WYES 4" - 18" DIAMETER

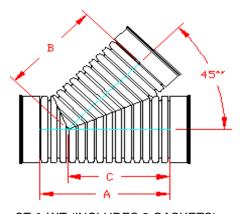
| | PART# | PIPE SIZE | А | В | С | JOINT |
|----|-----------|--------------------------|--------------------------|--------------------------|--------------------------|-------|
| ** | 0480AN | 4 in (100 mm) | 15.1 in (383 mm) | 9.8 in (250 mm) | 9.8 in (250 mm) | * |
| ** | 0681AN | 6 in (150 mm) | 19.4 in (491 mm) | 13.2 in (334 mm) | 13.2 in (334 mm) | * |
| ** | 0882AN | 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) | * |
| | 1284AN | 12 in (300 mm) | 38.4 in (975 mm) | 25.8 in (654 mm) | 25.8 in (654 mm) | * |
| | 1284AN85B | 12 in (300 mm) | 25.8 in (654 mm) | 20.2 in (514 mm) | 20.2 in (514 mm) | ST |
| | 1284AN65B | 12 in (300 mm) | 25.8 in (654 mm) | 20.2 in (514 mm) | 20.2 in (514 mm) | WT |
| | 1585AN | 15 in (375 mm) | 45.5 in (1157 mm) | 35.4 in (899 mm) | 30.3 in (770 mm) | * |
| | 1585AN85B | 15 in (375 mm) | 33.0 in (839 mm) | 25.3 in (642 mm) | 25.4 in (645 mm) | ST |
| | 1585AN65B | 15 in (375 mm) | 33.0 in (839 mm) | 25.3 in (642 mm) | 25.4 in (645 mm) | WT |
| | 1886AN | 18 in (450 mm) | 53.2 in (1350 mm) | 40.5 in (1028 mm) | 40.5 in (1028 mm) | * |
| - | 1886AN85B | 18 in (450 mm) | 38.0 in (964 mm) | 30.1 in (765 mm) | 30.4 in (771 mm) | ST |
| | 1886AN65B | 18 in (450 mm) | 38.0 in (964 mm) | 30.1 in (765 mm) | 30.4 in (771 mm) | WT |



ST = SOIL TIGHT

WT = WATER TIGHT





ST & WT (INCLUDES 3 GASKETS)



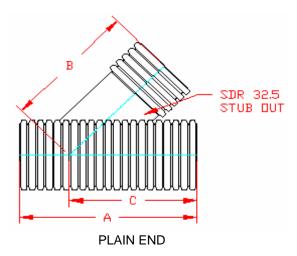
| DRAWING #: | 2300 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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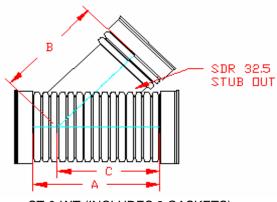
^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

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





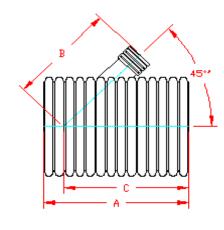
ST & WT (INCLUDES 3 GASKETS)



| DRAWING #: | 2300A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.25.07 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 6"×4" - 10"× 8" DIAMETER

| | PART# | PIPE SIZE | Α | В | С | JOINT |
|----|---------|----------------|----------|----------|----------|-------|
| ** | 0680AN | 6 x 4 in | 16.3 in | 16.0 in | 11.6 in | * |
| ļ | | (150 x 100 mm) | (413 mm) | (405 mm) | (295 mm) | |
| ** | 0880AN | 8 x 4 in | 18.2 in | 17.3 in | 14.0 in | ST |
| | UUUUAN | (200 x 100 mm) | (463 mm) | (439 mm) | (356 mm) | 51 |
| ** | 0881AN | 8 x 6 in | 23.0 in | 19.7 in | 15.9 in | WT |
| | 0001711 | (200 x 150 mm) | (585 mm) | (499 mm) | (405 mm) | V V 1 |
| ** | 1080AN | 10 x 4 in | 22.7 in | 18.7 in | 17.3 in | * |
| | TOOUAIN | (250 x 100 mm) | (576 mm) | (475 mm) | (439 mm) | |
| ** | 1081AN | 10 x 6 in | 23.9 in | 21.1 in | 17.5 in | ST |
| | TOOTAIN | (250 x 150 mm) | (608 mm) | (535 mm) | (444 mm) | 31 |
| ** | 1082AN | 10 x 8 in | 27.7 in | 23.4 in | 19.5 in | WT |
| | IUOZAIN | (250 x 200 mm) | (704 mm) | (594 mm) | (496 mm) | VVI |



PLAIN END

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

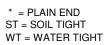
** LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

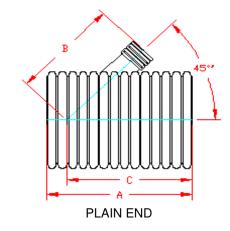


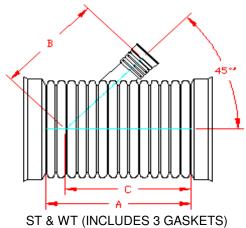
| DRAWING #: | 2305 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 2/2/2010 |
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DUAL WALL FABRICATED REDUCING WYES 12"×4" - 12"×10" DIAMETER

| 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 | 72 |
| 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 | \ \ /T |
| 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 | СТ |
| 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 | \ \ /T |
| 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 | СТ |
| 1283AN85B | (300 x 250 mm) | (855 mm) | (640 mm) | (651 mm) | ST WT * ST WT * ST WT * ST WT WT |
| 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) | VV I |





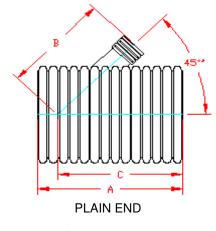


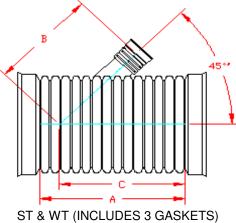


| DRAWING #: | 2310 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 15"×4" - 15"×12" DIAMETER

| 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 |
| TJOZANOJD | (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 | * |
| I DÖ4AIN | (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 |
| TOOTAINOOD | (375 x 300 mm) | (935 mm) | (706 mm) | (684 mm) | V V I |





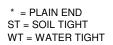
* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

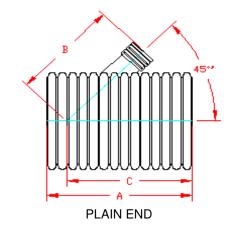


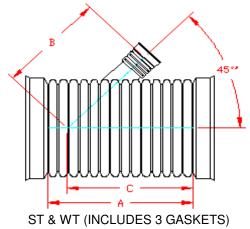
| DRAWING #: | 2315 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 18"×4" - 18"×10" DIAMETER

| 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 |







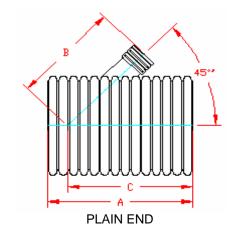


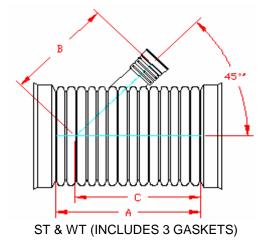
| DRAWING #: | 2320 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 18"×12" - 18"×15" DIAMETER

| 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





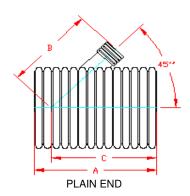


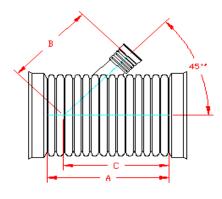
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| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 24"×4" - 24"×18" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|-----------|------------------------------|--------------------------|--------------------------|-------------------------|-------|
| 2480AN | 24 x 4 in (600 x 100 mm) | 34.4 in (874 mm) | 27.7 in (704 mm) | 31.2 in (793 mm) | * |
| 2480AN85B | 24 x 4 in (600 x 100 mm) | 28.2 in (716 mm) | 27.7 in (704 mm) | 28.1 in (713 mm) | ST |
| 2480AN65B | 24 x 4 in (600 x 100 mm) | 28.2 in (716 mm) | 27.7 in (704 mm) | 28.1 in (713 mm) | WT |
| 2481AN | 24 x 6 in (600 x 150 mm) | 37.6 in (955 mm) | 29.3 in (744 mm) | 32.8 in (833 mm) | * |
| 2481AN85B | 24 x 6 in (600 x 150 mm) | 31.3 in (795 mm) | 29.3 in (744 mm) | 29.7 in (753 mm) | ST |
| 2481AN65B | 24 x 6 in (600 x 150 mm) | 31.3 in (795 mm) | 29.3 in (744 mm) | 29.7 in (753 mm) | WT |
| 2482AN | 24 x 8 in (600 x 200 mm) | 40.7 in (1034 mm) | 32.5 in (826 mm) | 34.4 in (873 mm) | * |
| 2482AN85B | 24 x 8 in (600 x 200 mm) | 34.4 in (874 mm) | 32.5 in (826 mm) | 31.2 in (793 mm) | ST |
| 2482AN65B | 24 x 8 in (600 x 200 mm) | 34.4 in (874 mm) | 32.5 in (826 mm) | 31.2 in (793 mm) | WT |
| 2483AN | 24 x 10 in (600 x 250 mm) | 46.9 in (1191 mm) | 33.0 in (838 mm) | 36.0 in (913 mm) | * |
| 2483AN85B | 24 x 10 in (600 x 250 mm) | 36.6 in (930 mm) | 33.0 in (838 mm) | 32.8 in (833 mm) | ST |
| 2483AN65B | 24 x 10 in (600 x 250 mm) | 36.6 in (930 mm) | 33.0 in (838 mm) | 32.8 in (833 mm) | WT |
| 2484AN | 24 x 12 in (600 x 300 mm) | 46.9 in (1191 mm) | 36.9 in (938 mm) | 37.5 in (953 mm) | * |
| 2484AN85B | 24 x 12 in (600 x 300 mm) | 40.7 in (1034 mm) | 35.0 in (889 mm) | 34.4 in (873 mm) | ST |
| 2484AN65B | 24 x 12 in (600 x 300 mm) | 40.7 in (1034 mm) | 35.0 in (889 mm) | 34.4 in (873 mm) | WT |
| 2485AN | 24 x 15 in (600 x 375 mm) | 47.0 in (1193 mm) | 42.5 in (1080 mm) | 37.5 in (953 mm) | * |
| 2485AN85B | 24 x 15 in (600 x 375 mm) | 40.7 in (1034 mm) | 42.5 in (1080 mm) | 34.4 in (874 mm) | ST |
| 2485AN65B | 24 x 15 in (600 x 375 mm) | 40.7 in (1033 mm) | 52.5 in (1334 mm) | 34.4 in (874 mm) | WT |
| 2486AN | 24 x 18 in (600 x 450 mm) | 53.2 in (1352 mm) | 44.6 in (1133 mm) | 40.6 in (1032 mm) | * |
| 2486AN85B | 24 x 18 in (600 x 450 mm) | 40.7 in (1034 mm) | 44.6 in (1133 mm) | 33.2 in (844 mm) | ST |
| 2486AN65B | 24 x 18 in (600 x 450 mm) | 40.7 in (1034 mm) | 44.6 in (1133 mm) | 33.2 in (844 mm) | WT |

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





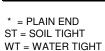
ST & WT (INCLUDES 3 GASKETS)

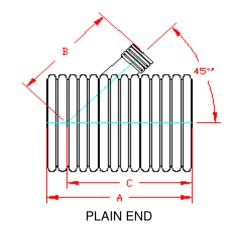


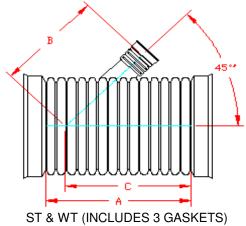
| DRAWING #: | | |
|--------------|-----|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 2/8/2010 |
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DUAL WALL FABRICATED REDUCING WYES 30"×4" - 30"×10" DIAMETER

| 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 |







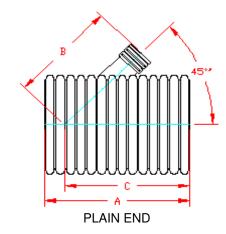


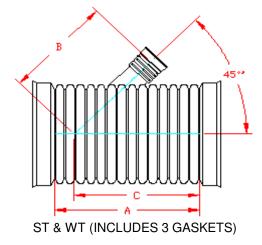
| DRAWING #: | 2330 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 30"×12" - 30"×15" DIAMETER

| 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 |
| 300+A1103D | (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) | VV 1 |
| 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 |
| SUCCIAINOUD | (750 x 375mm) | (1360 mm) | (1156 mm) | (1126 mm) | 31 |
| 3085AN65B | 30 x 15 in | 53.6 in | 45.5 in | 44.3 in | WT |
| 3063AN03B | (750 x 375 mm) | (1360 mm) | (1156 mm) | (1126 mm) | VVI |

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



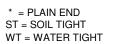


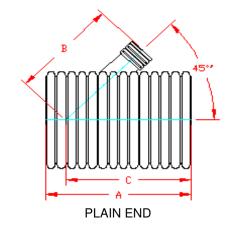


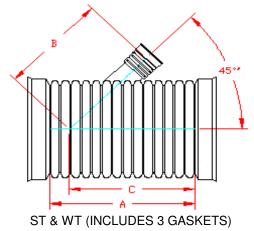
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|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 36"×4" - 36"×10" DIAMETER

| 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 |







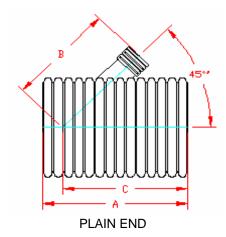


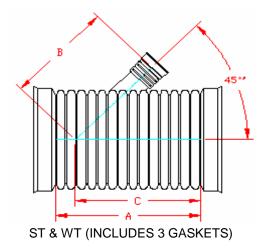
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| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 36"×12" - 36"×18" DIAMETER

| 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



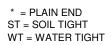


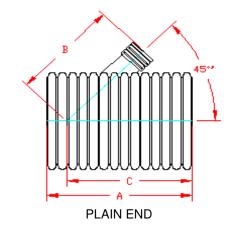


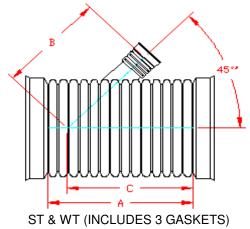
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| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 42"×4" - 42"×10" DIAMETER

| 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) | 01 |
| 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) | VV 1 |
| 4281AN | 42 x 6 in | 51.4 in | 44.0 in | 49.8 in | * |
| 420 IAIN | (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) | 5 |
| 4281AN65B | 42 x 6 in | 41.1 in | 44.0 in | 44.6 in | WT |
| 4201AN03D | (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 |
| 4202AN03D | (1050 x 200 mm) | (1176 mm) | (1161 mm) | (1199 mm) | 5 |
| 4282AN65B | 42 x 8 in | 46.3 in | 45.7 in | 47.2 in | WT |
| 4202AN00D | (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 |
| 7200/11000 | (1050 x 250 mm) | (1306 mm) | (1209 mm) | (1265 mm) | 51 |
| 4283AN65B | 42 x 10 in | 51.4 in | 47.6 in | 49.8 in | WT |
| 4200AN00D | (1050 x 250 mm) | (1306 mm) | (1209 mm) | (1265 mm) | V V I |







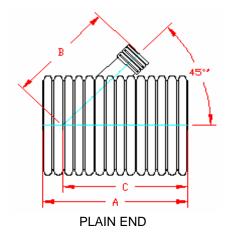


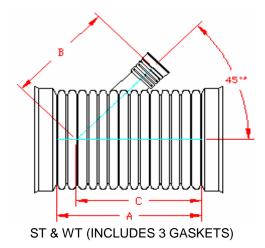
| DRAWING #: | 2340 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 42"×12" - 42"×18" DIAMETER

| 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



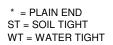


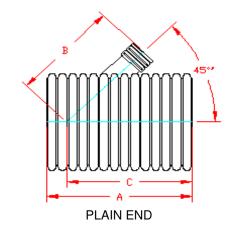


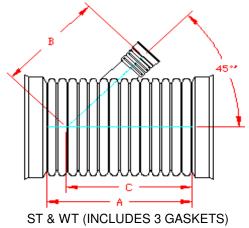
| DRAWING #: | 2340A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 48"×4" - 48"×10" DIAMETER

| 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) | VVI |
| 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) | VV 1 |
| 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 |





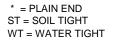


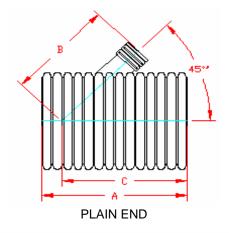


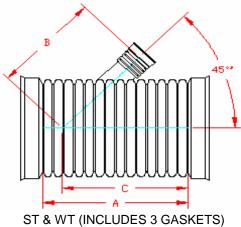
| DRAWING #: | 2345 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 48"x12" - 48"x24" DIAMETER

| 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 |





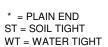


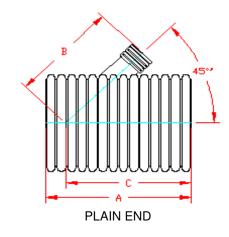


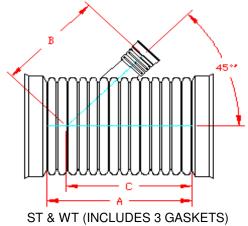
| DRAWING #: | 2345A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING WYES 60"×4" - 60"×10" DIAMETER

| 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 |





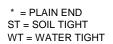


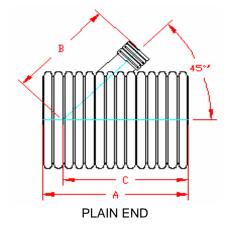


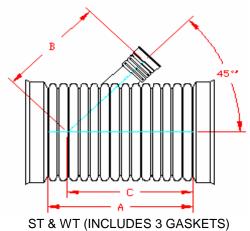
| DRAWING #: | 2350 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 05.30.08 |
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DUAL WALL FABRICATED REDUCING WYES 60"x12" - 60"x24" DIAMETER

| 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 |







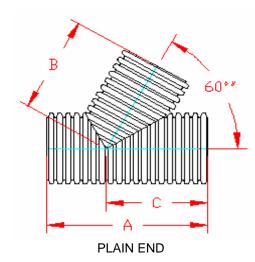


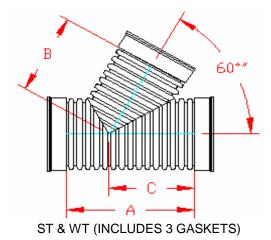
| DRAWING #: | 2350A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° STANDARD WYES 18" - 24" DIAMETER

| 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



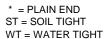


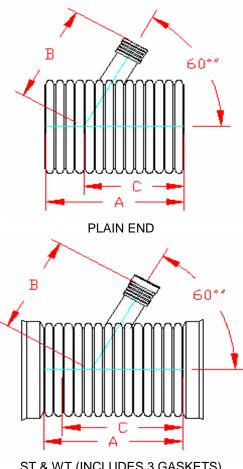


| DRAWING #: | 2355 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 08.09.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 18"×4" - 18"×10" DIAMETER

| 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)

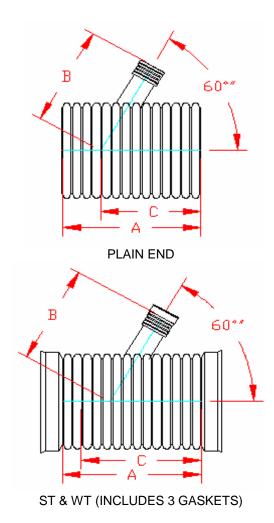


| DRAWING #: | 2360 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 18"×12" - 18"×15" DIAMETER

| 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

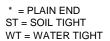


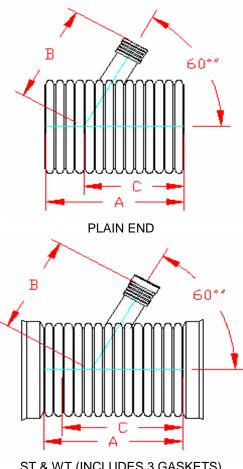


| DRAWING #: | 2360A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 24"×4" - 24"×10" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|--------------------------|----------------|-----------|----------|----------|-------|
| 2480AN60 | 24 x 4 in | 31.5 in | 22.0 in | 23.8 in | * |
| | (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) | 01 |
| 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) | VVI |
| 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 | * |
| 2403AN00 | (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) | 51 |
| 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)

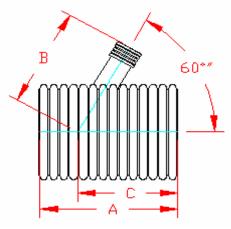


| DRAWING #: | 2365 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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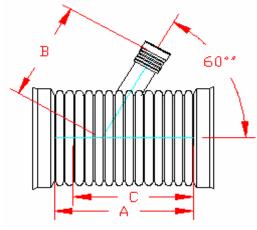
DUAL WALL FABRICATED 60° REDUCING WYES 24"×12" - 24"×18" DIAMETER

| 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 |
| 2404AN0003D | (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 A NGO | 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 |
| 2403AN0003B | (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 |
| 2403AN0003D | (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 | * |
| 2400AN00 | (600 x 450 mm) | (1280 mm) | (1020 mm) | (844 mm) | |
| 2486AN6085B | 24 x 18 in | 44.1 in | 37.5 in | 30.1 in | ST |
| 2400AN0000D | (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



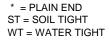
ST & WT (INCLUDES 3 GASKETS)

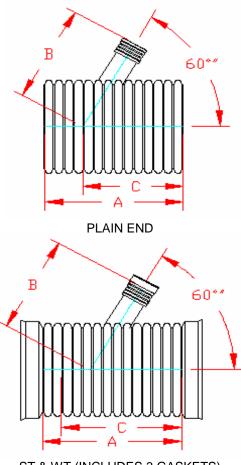


| DRAWING #: | 2365A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 30"×4" - 30"×10" DIAMETER

| 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 |





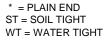
ST & WT (INCLUDES 3 GASKETS)

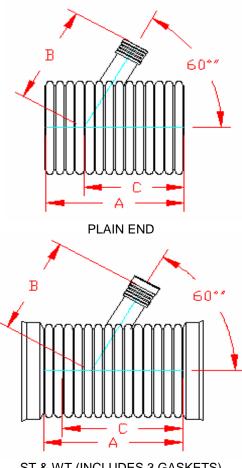


| DRAWING #: | 2370 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.14.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 30"×12" - 30"×24" DIAMETER

| 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 ((10 0000B | (750 x 300 mm) | (1151 mm) | (905 mm) | (833 mm) | 01 |
| 3084AN6065B | 30 x 12 in | 45.3 in | 35.6 in | 32.8 in | WT |
| 3004AI10003B | (750 x 300 mm) | (1151 mm) | (905 mm) | (833 mm) | VV 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 |
| 3003AN0003D | (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 |
| 3003AN0003D | (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 |
| 3000AN0003D | (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 |
| 3000AI10003B | (750 x 450 mm) | (1256 mm) | (1059 mm) | (885 mm) | V V I |
| 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 |
| JUOT AINUUOSD | (750 x 600 mm) | (1465 mm) | (1155 mm) | (990 mm) | 31 |
| 3087AN6065B | 30 x 24 in | 57.7 in | 45.5 in | 39.0 in | WT |
| 3007 AN0003D | (750 x 600 mm) | (1465 mm) | (1155 mm) | (990 mm) | VVI |





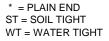
ST & WT (INCLUDES 3 GASKETS)

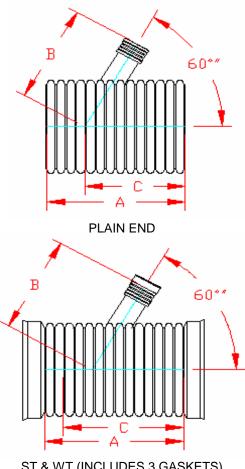


| DRAWING #: | 2370A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 36"×4" - 36"×10" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|---------------|----------------|-----------|----------|-----------|-------|
| 3680AN60 | 36 x 4 in | 52.5 in | 30.0 in | 38.3 in | * |
| | (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 |
| 0000711100002 | (900 x 100 mm) | (1067 mm) | (745 mm) | (839 mm) | 01 |
| 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) | VVI |
| 3681AN60 | 36 x 6 in | 52.5 in | 31.0 in | 38.3 in | * |
| 300 IANOU | (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 |
| 300 IAN0003D | (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 |
| 3001AN0003D | (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 | * |
| 3002AN00 | (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 |
| 3002AI10003D | (900 x 200 mm) | (1200 mm) | (806 mm) | (906 mm) | V V I |
| 3683AN60 | 36 x 10 in | 57.8 in | 35.4 in | 40.9 in | * |
| SOOSAINOU | (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 |
| JUOSAINUUOSD | (900 x 250 mm) | (1200 mm) | (867 mm) | (906 mm) | 01 |
| 3683AN6065B | 36 x 10 in | 47.3 in | 34.2 in | 35.7 in | WT |
| JUOSAINUUUSD | (900 x 250 mm) | (1200 mm) | (867 mm) | (906 mm) | VVI |





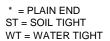
ST & WT (INCLUDES 3 GASKETS)

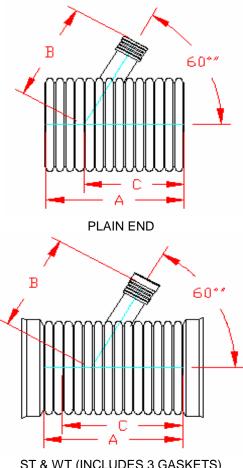


| DRAWING #: | 2375 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 36"×12" - 36"×24" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|--------------|----------------|-----------|-----------|-----------|-------|
| 3684AN60 | 36 x 12 in | 63.0 in | 41.4 in | 43.5 in | * |
| 000+711100 | (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 |
| 3004AN0003D | (900 x 300 mm) | (1334 mm) | (1002 mm) | (972 mm) | 31 |
| 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) | V V I |
| 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) | 31 |
| 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) | 31 |
| 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 I |
| 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 |
| 3007 AN0003D | (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) | V V I |





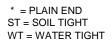
ST & WT (INCLUDES 3 GASKETS)

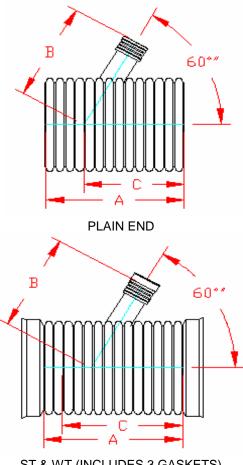


| DRAWING #: | 2375A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 42"x4" - 42"x10" DIAMETER

| 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 | * |
| 420 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) | 51 |
| 4283AN6065B | 42 x 10 in | 46.7 in | 37.6 in | 37.1 in | WT |
| 4203AN0003D | (1050 x 250 mm) | (1186 mm) | (955 mm) | (943 mm) | VVI |





ST & WT (INCLUDES 3 GASKETS)

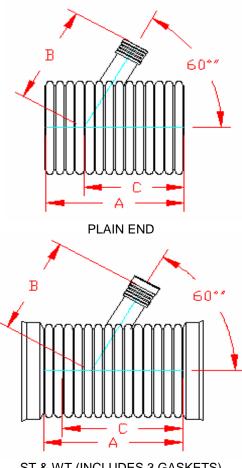


| DRAWING #: | 2380 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 42"x12" - 42"x24" DIAMETER

| 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



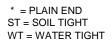
ST & WT (INCLUDES 3 GASKETS)

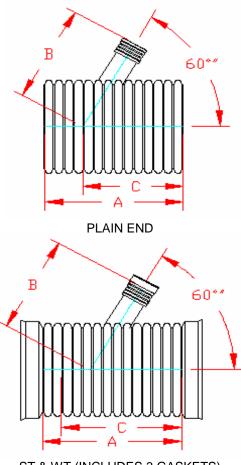


| DRAWING #: | 2380A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 48"×4" - 48"×10" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|---------------|-----------------|-----------|-----------|-----------|-------|
| 4880AN60 | 48 x 4 in | 52.5 in | 36.9 in | 41.7 in | * |
| 10007 11 100 | (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 |
| 4000AN0003B | (1200 x 100 mm) | (1067 mm) | (920 mm) | (926 mm) | VV 1 |
| 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 |
| 4000AN0000D | (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 |





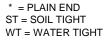
ST & WT (INCLUDES 3 GASKETS)

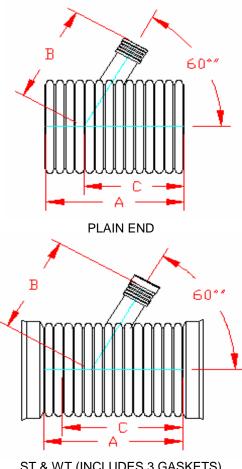


| DRAWING #: | 2385 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 48"×12" - 48"×24" DIAMETER

| PART # | PIPE SIZE | Α | 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 |
| 40047110003D | (1200 x 300 mm) | (1334 mm) | (1176 mm) | (1060 mm) | 51 |
| 4884AN6065B | 48 x 12 in | 52.5 in | 46.3 in | 41.7 in | WT |
| 4004AN0003B | (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) | 01 |
| 4885AN6065B | 48 x 15 in | 52.5 in | 51.7 in | 41.7 in | WT |
| 4000AN0000D | (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) | |
| 4886AN6085B | 48 x 18 in | 57.8 in | 52.4 in | 44.3 in | ST |
| 4000AIN0003D | (1200 x 450 mm) | (1467 mm) | (1330 mm) | (1126 mm) | 01 |
| 4886AN6065B | 48 x 18 in | 57.8 in | 52.4 in | 44.3 in | WT |
| 4000AN0003D | (1200 x 450 mm) | (1467 mm) | (1330 mm) | (1126 mm) | VVI |
| 4007ANG0 | 48 x 24 in | 78.8 in | 59.3 in | 54.8 in | * |
| 4887AN60 | (1200 x 600 mm) | (2000 mm) | (1506 mm) | (1393 mm) | |
| 4887AN6085B | 48 x 24 in | 68.3 in | 56.1 in | 49.6 in | ST |
| 4001 AINOU03D | (1200 x 600 mm) | (1734 mm) | (1426 mm) | (1260 mm) | 01 |
| 4887AN6065B | 48 x 24 in | 68.3 in | 56.1 in | 49.6 in | WT |
| 4007 AIN0003D | (1200 x 600 mm) | (1734 mm) | (1426 mm) | (1260 mm) | VVI |





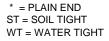
ST & WT (INCLUDES 3 GASKETS)

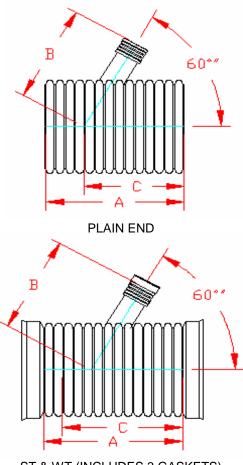


| DRAWING #: | 2385A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 60"×4" - 60"×10" DIAMETER

| 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) | VV 1 |
| 6081AN60 | 60 x 6 in | 60.0 in | 45.2 in | 49.1 in | * |
| 0001741000 | (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 | * |
| 0002AN00 | (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 |
| 0002AN0003D | (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 |
| 0002AI10003B | (1500 x 200 mm) | (1219 mm) | (1167 mm) | (1096 mm) | V V I |
| 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 |
| 000071100000 | (1500 x 250 mm) | (1372 mm) | (1228 mm) | (1172 mm) | 01 |
| 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) | V V I |





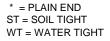
ST & WT (INCLUDES 3 GASKETS)

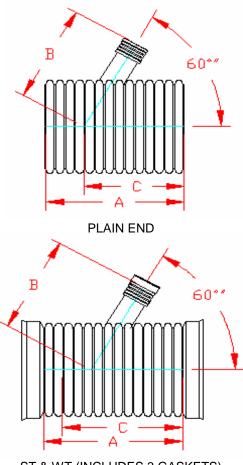


| DRAWING #: | 2390 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED 60° REDUCING WYES 60"×12" - 60"×24" DIAMETER

| 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) | 5 |
| 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 |
| OCOTAINOUOSD | (1500 x 600 mm) | (1829 mm) | (1612 mm) | (1400 mm) | 31 |
| 6087AN6065B | 60 x 24 in | 72.0 in | 63.5 in | 55.1 in | WT |
| OCOTAINOUGOD | (1500 x 600 mm) | (1829 mm) | (1612 mm) | (1400 mm) | V V I |





ST & WT (INCLUDES 3 GASKETS)



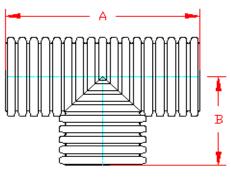
| DRAWING #: | 2390A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.20.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED TEES 4" - 30" DIAMETER

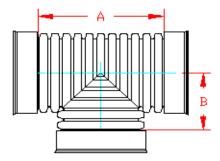
| | PART# | PIPE SIZE | Α | В | JOINT |
|----|-----------|--------------------------|--------------------------|---------------------|-------|
| ** | 0460AN | 4 in (100 mm) | 12.8 in (324 mm) | 6.2 in (158 mm) | * |
| ** | 0661AN | 6 in (150 mm) | 16.5 in (419 mm) | 8.1 in (207 mm) | * |
| ** | 0862AN | 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) | * |
| | 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 |

^{* =} PLAIN END ST = SOIL TIGHT

WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 3 GASKETS)

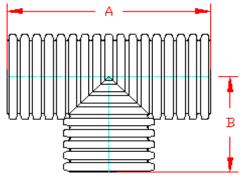


| DRAWING #: | 2400 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.23.07 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 2/2/2010 |
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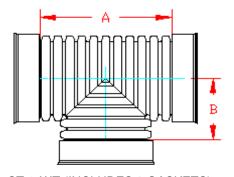
^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

DUAL WALL FABRICATED TEES 30" - 60" DIAMETER

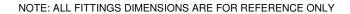
| PART # | PIPE SIZE | Α | В | JOINT |
|------------|---------------------------|--------------------------|--------------------------|-------|
| 3068AN | 30 in (750 mm) | 65.9 in (1674 mm) | 33.0 in (837 mm) | * |
| 3068AN85B | 30 in (750 mm) | 49.4 in (1256 mm) | 24.7 in (628 mm) | ST |
| 3068AN65B | 30 in (750 mm) | 49.4 in (1256 mm) | 24.7 in (628 mm) | WT |
| 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 |







ST & WT (INCLUDES 3 GASKETS)

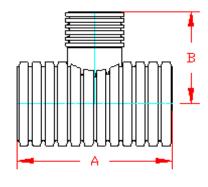




| DRAWING #: | 2400A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.22.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 2/2/2010 |
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DUAL WALL FABRICATED REDUCING TEES 6" × 4" - 10" × 8" DIAMETER

| | 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 4 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) | * |



PLAIN END

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

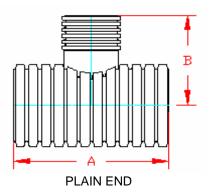
** LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

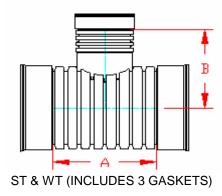


| DRAWING #: | 2402 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 08.31.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 2/2/2010 |
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DUAL WALL FABRICATED REDUCING TEES 12"×4" - 12"×10" DIAMETER

| PART# | PIPE SIZE | Α | 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 |





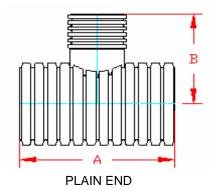


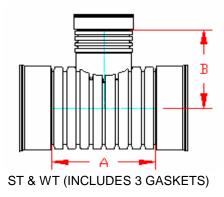
| DRAWING #: | 2405 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 08.31.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 15"x4" - 15"x12 DIAMETER

| 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) | (395 mm) | (350 mm) | |
| 1560AN65B | 15 x 4 in | 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) | (724 mm) | (409 mm) | |
| 1561AN85B | 15 x 6 in | 18.1 in | 14.6 in | ST |
| | (375 x 150 mm) 15 x 6 in | (461 mm) | (370 mm) | |
| 1561AN65B | | 18.1 in | 14.6 in | WT |
| | (375 x 150 mm) | (461 mm) | (370 mm) | |
| 1562AN | 15 x 8 in | 31.1 in | 18.8 in | * |
| | (375 x 200 mm) | (789 mm) | (479 mm) | |
| 1562AN85B | 15 x 8 in | 20.7 in | 16.9 in | ST |
| | (375 x 200 mm) 15 x 8 in | (526 mm) 20.7 in | (430 mm) 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) 15 x 10 in | (855 mm) 23.3 in | (477 mm) 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





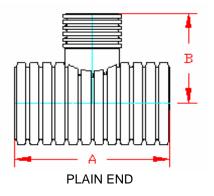


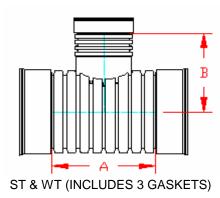
| DRAWING #: | 2410 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 18"×4" - 18"×10" DIAMETER

| 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





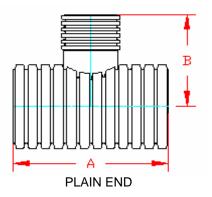


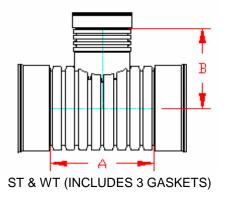
| DRAWING #: | 2415 | |
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| DRAWN BY: | JCB | 04.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 18"×12" - 18"×15" DIAMETER

| 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



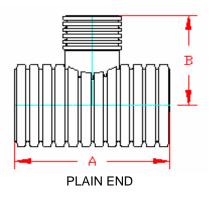


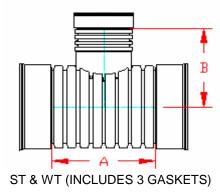


| DRAWING #: | 2415A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 08.31.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 24"×4" - 24"×10" DIAMETER

| PART# | PIPE SIZE | Α | 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 |





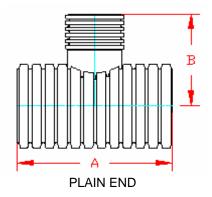


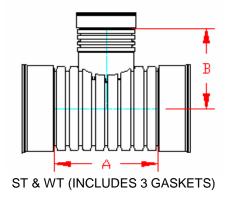
| DRAWING #: | 2420 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 09.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 24"×12" - 24"×18" DIAMETER

| 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



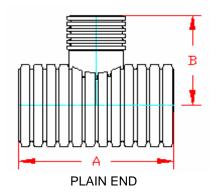


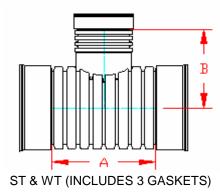


| DRAWING #: | 2420A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 04.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 30"×4" - 30"×10" DIAMETER

| 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 |



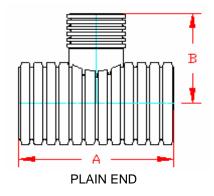


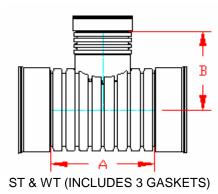


| DRAWING #: | 2425 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 09.07.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 30"×12" - 30"×24" DIAMETER

| PART# | PIPE SIZE | Α | 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 |



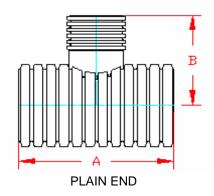


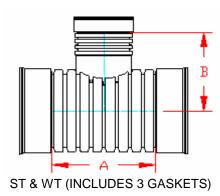


| DRAWING #: | 2425A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 09.07.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 36"×4" - 36"×10" DIAMETER

| 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 |



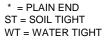


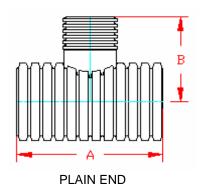


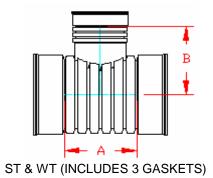
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| DRAWN BY: | NJP | 09.19.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 36"×12" - 36"×30" DIAMETER

| 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 |
| 200041 | 36 x 30 in | 68.3 in | 37.4 in | * |
| 3668AN | (900 x 750 mm) | (1734 mm) | (949 mm) | |
| OCCOANIOED | 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 |





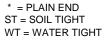


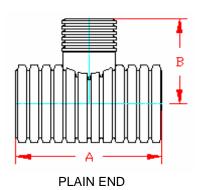


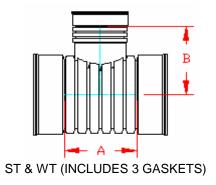
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| DRAWN BY: | JCB | 04.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 42"×4" - 42"×12" DIAMETER

| 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 |





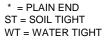


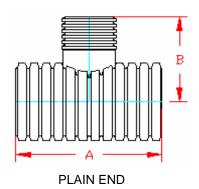


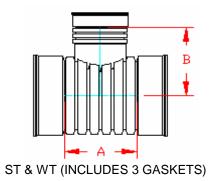
| DRAWING #: | 2435 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.30.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 42"×15" - 42"×36" DIAMETER

| 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 |
| 120771110015 | (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 |





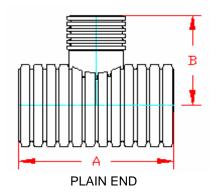


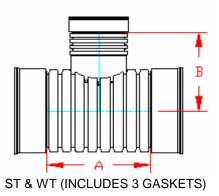


| DRAWING #: | 2435A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 09.19.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 48"×4" - 48"×10" DIAMETER

| PART# | PIPE SIZE | Α | В | JOINT |
|-------------|------------------------------|---------------------|---------------------|-------|
| 4860AN | 48 x 4 in | 36.8 in | 32.7 in | * |
| 4860AN85B | (1200 x 100 mm) 48 x 4 in | (933 mm) 15.8 in | (829 mm) 30.7 in | ST |
| 1000/111002 | (1200 x 100 mm) | (400 mm) | (779 mm) | 01 |
| 4860AN65B | 48 x 4 in | 15.8 in | 30.7 in | WT |
| | (1200 x 100 mm) | (400 mm) | (779 mm) | |
| 4861AN | 48 x 6 in | 42.0 in | 34.0 in | * |
| | (1200 x 150 mm) | (1067 mm) | (863 mm) | |
| 4861AN85B | 48 x 6 in | 21.0 in | 31.7 in | ST |
| | (1200 x 150 mm) | (533 mm) | (804 mm) | |
| 4861AN65B | 48 x 6 in | 21.0 in | 31.7 in | WT |
| | (1200 x 150 mm) | (533 mm) | (804 mm) | |
| 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 |
| 4002/(N03D | (1200 x 200 mm) | (533 mm) | (845 mm) | 5 |
| 4862AN65B | 48 x 8 in | 21.0 in | 33.3 in | WT |
| 4002/AN03D | (1200 x 200 mm) | (533 mm) | (845 mm) | VV 1 |
| 4863AN | 48 x 10 in | 47.3 in | 36.8 in | * |
| 4003AN | (1200 x 250 mm) | (1200 mm) | (933 mm) | |
| 4863AN85B | 48 x 10 in | 26.3 in | 33.0 in | ST |
| 4003AN03D | (1200 x 250 mm) | (667 mm) | (837 mm) | 31 |
| 4863AN65N | 48 x 10 in | 26.3 in | 33.0 in | WT |
| VICOVINCOOP | (1200 x 250 mm) | (667 mm) | (837 mm) | VVI |



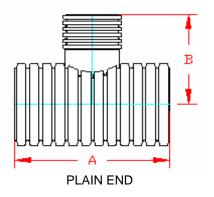


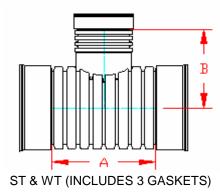


| DRAWING #: | 2440 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 48"×12" - 48"×24" DIAMETER

| 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 |



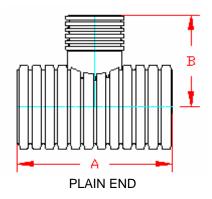


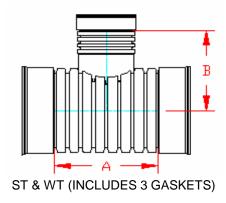


| DRAWING #: | 2440A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 48"x30" - 48"x42" DIAMETER

| 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 |



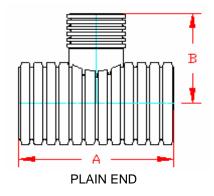


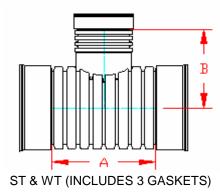


| DRAWING #: | 2440B | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 60"×4" - 60"×10" DIAMETER

| 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 |



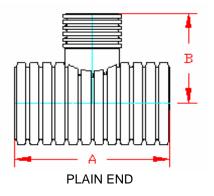


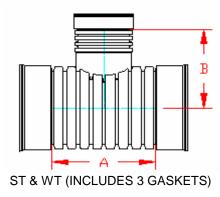


| DRAWING #: | 2445 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 60"×12" - 60"×24" DIAMETER

| PART# | PIPE SIZE | Α | 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 |



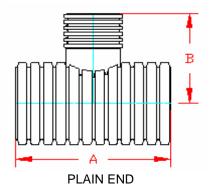


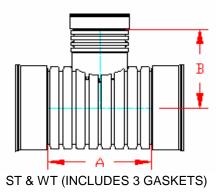


| DRAWING #: | 2445A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED REDUCING TEES 60"×30" - 60"×48" DIAMETER

| 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 |





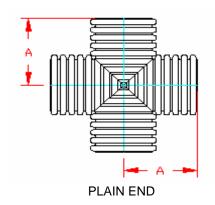


| DRAWING #: | 2445B | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.01.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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DUAL WALL FABRICATED CROSS TEE 4" - 24" DIAMETER

| 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



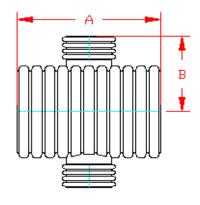


| DRAWING #: | 2450 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.14.07 |
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SMALL DIAMETER DUAL WALL FABRICATED REDUCING CROSS TEES 6" X 4" - 12" X 10" DIAMETER

REDUCING CROSS TEES

| PART# | PIPE SIZE | Α | В | С | JOINT |
|----------|----------------|----------|----------|----------|-------|
| FANT# | FIFL SIZL | A | Ь | O | JOINT |
| 0630AN | 6 x 4 in | 14.7 in | 9.9 in | 14.7 in | * |
| 00007114 | (150 x 100 mm) | (374 mm) | (252 mm) | (374 mm) | |
| 0830AN | 8 x 4 in | 17.3 in | 11.2 in | 17.3 in | * |
| | (200 x 100 mm) | (439 mm) | (285 mm) | (439 mm) | |
| 0831AN | 8 x 6 in | 20.2 in | 11.5 in | 20.2 in | * |
| 00017111 | (200 x 150 mm) | (512 mm) | (293 mm) | (512 mm) | |
| 1030AN | 10 x 4 in | 20.2 in | 11.3 in | 20.2 in | * |
| | (250 x 100 mm) | (512 mm) | (286 mm) | (512 mm) | |
| 1031AN | 10 x 6 in | 20.2 in | 13.1 in | 20.2 in | * |
| | (250 x 150 mm) | (512 mm) | (332 mm) | (512 mm) | |
| 1032AN | 10 x 8 in | 22.7 in | 15.2 in | 22.7 in | * |
| 10027111 | (250 x 200 mm) | (576 mm) | (385 mm) | (576 mm) | |
| 1230AN | 12 x 4 in | 30.7 in | 13.6 in | 30.7 in | * |
| 1230/11 | (300 x 100 mm) | (780 mm) | (345 mm) | (780 mm) | |
| 1231AN | 12 x 6 in | 30.7 in | 14.5 in | 30.7 in | * |
| 12017114 | (300 x 150 mm) | (780 mm) | (368 mm) | (780 mm) | |
| 1232AN | 12 x 8 in | 30.7 in | 17.0 in | 30.7 in | * |
| 1202/(1) | (300 x 200 mm) | (780 mm) | (432 mm) | (780 mm) | |
| 1233AN | 12 x 10 in | 30.7 in | 16.4 in | 30.7 in | * |
| 1200/11 | (300 x 250 mm) | (780 mm) | (416 mm) | (780 mm) | |



* = PLAIN END



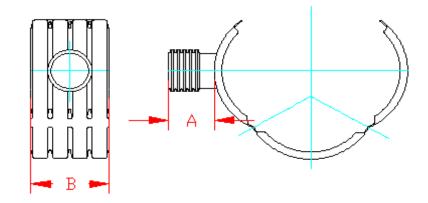
| DRAWING #: | 2455 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 05.09.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 1/29/2010 |
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^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

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

| _ | | | | |
|----|--------------------------------------|---|---|---|
| | PART # | PIPE SIZE | А | В |
| ** | 0044 AN | 8 x 4 in | 6.4 in | 6.0 in |
| | 0841AN | (200 x 100 mm) | (163 mm) | (152 mm) |
| ** | 0841AN | 8 x 6 in | 7.8 in | 6.0 in |
| | 004 IAN | (200 x 150 mm) | (198 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 |
| | IOTIAN | (250 x 150 mm) | (196 mm) | (279 mm) |
| ** | 1042AN | 10 x 8 in | 11.0 in | 11.0 in |
| | 1042/111 | (250 x 200 mm) | (279 mm) | (279 mm) |
| | | | | |
| | 1240AN | 12 x 4 in | 5.8 in | 7.8 in |
| | 1240AN | 12 x 4 in (300 x 100 mm) | (147 mm) | (197 mm) |
| | | (300 x 100 mm) 12 x 6 in | | (197 mm) 7.8 in |
| | 1240AN 1241AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) | (147 mm) 7.2 in (183 mm) | (197 mm) 7.8 in (197 mm) |
| | | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in | (147 mm) 7.2 in (183 mm) 10.6 in | (197 mm) 7.8 in (197 mm) 15.8 in |
| | 1241AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) |
| | 1241AN 1242AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in |
| | 1241AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in (375 x 100 mm) | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in (145 mm) | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in (267 mm) |
| | 1241AN 1242AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in (375 x 100 mm) 15 x 6 in | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in (145 mm) 7.1 in | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in (267 mm) 10.5 in |
| | 1241AN 1242AN 1540AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in (375 x 100 mm) 15 x 6 in (375 x 150 mm) | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in (145 mm) 7.1 in (180 mm) | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in (267 mm) 10.5 in (267 mm) |
| | 1241AN 1242AN 1540AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in (375 x 100 mm) 15 x 6 in (375 x 150 mm) 15 x 8 in | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in (145 mm) 7.1 in (180 mm) 10.4 in | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in (267 mm) 10.5 in (267 mm) 10.5 in |
| | 1241AN 1242AN 1540AN 1541AN | (300 x 100 mm) 12 x 6 in (300 x 150 mm) 12 x 8 in (300 x 200 mm) 15 x 4 in (375 x 100 mm) 15 x 6 in (375 x 150 mm) | (147 mm) 7.2 in (183 mm) 10.6 in (269 mm) 5.7 in (145 mm) 7.1 in (180 mm) | (197 mm) 7.8 in (197 mm) 15.8 in (400 mm) 10.5 in (267 mm) 10.5 in (267 mm) |

^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

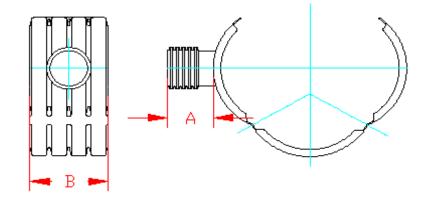




| DRAWING #: | 2460 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 5/19/2010 |
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DUAL WALL FABRICATED REDUCING SADDLE TEE 18" - 24" DIAMETER

| PART # | PIPE SIZE | Α | 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 |
| 1041/11 | (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 |

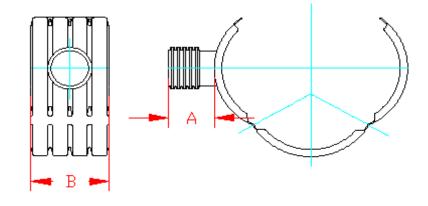




| DRAWING #: | 2465 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 04.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 5/19/2010 |
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DUAL WALL FABRICATED REDUCING SADDLE TEE 30" - 36" DIAMETER

| PART# | PIPE SIZE | Α | В |
|--------------------------------------|--|--|--|
| 3040AN | 30 x 4 in | 5.4 in | 16.5 in |
| 00+0/114 | (750 x 100 mm) | (137 mm) | (419 mm) |
| 3041AN | 30 x 6 in | 6.8 in | 16.5 in |
| 3041AIN | (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 |
| 3043AN | (750 x 250 mm) | (254 mm) | (419 mm) |
| 3044AN | 30 x 12 in | 10.0 in | 16.5 in |
| 3044711 | (750 x 300 mm) | (254 mm) | (419 mm) |
| 3045AN | 30 x 15 in | 13.0 in | 16.5 in |
| 30+3AN | (750 x 375 mm) | (330 mm) | (419 mm) |
| | | | |
| 36404N | 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) |
| | | 0 11 | |
| 3640AN 3641AN | (900 x 100 mm) | (130 mm) | (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 | (130 mm) 6.5 in (165 mm) 9.2 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) | (130 mm) 6.5 in (165 mm) 9.2 in (234 mm) | (528 mm) 20.8 in (528 mm) 20.8 in (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 | (130 mm) 6.5 in (165 mm) 9.2 in (234 mm) 9.7 in | (528 mm) 20.8 in (528 mm) 20.8 in (528 mm) 20.8 in |
| 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 (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 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 | (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 |
| 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 (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) (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 |



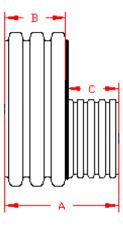


| DRAWING #: | 2470 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 07.13.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 5/19/2010 |
| | | |
| | | |

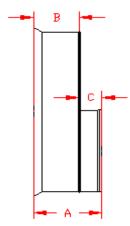
DUAL WALL FABRICATED REDUCERS 6"×4" - 12"×10" DIAMETER

| | PART# | PIPE SIZE | А | В | С | JOINT |
|----|-------------|------------------------------|---------------------|--------------------|--------------------|-------|
| ** | 0670AN | 6 x 4 in | 11.4 in | 6.2 in | 5.3 in | * |
| ļ | | (150 x 100 mm) | (291 mm) | (157 mm) | (133 mm) | |
| ** | 0870AN | 8 x 4 in | 12.0 in | 6.7 in | 5.3 in | * |
| | 00707111 | (200 x 100 mm) | (304 mm) | (171 mm) | (135 mm) | |
| ** | 0871AN | 8 x 6 in | 12.9 in | 6.7 in | 6.2 in | * |
| | 007 17414 | (200 x 150 mm) | (328 mm) | (171 mm) | (157 mm) | |
| ** | 1070AN | 10 x 4 in | 12.8 in | 7.6 in | 5.3 in | * |
| | 1070AN | (250 x 100 mm) | (325 mm) | (192 mm) | (133 mm) | |
| ** | 1071AN | 10 x 6 in | 13.8 in | 7.6 in | 6.2 in | * |
| | 107 IAN | (250 x 150 mm) | (349 mm) | (192 mm) | (157 mm) | |
| ** | 1072AN | 10 x 8 in | 14.3 in | 7.6 in | 6.7 in | * |
| | 1072/11 | (250 x 200 mm) | (363 mm) | (192 mm) | (171 mm) | |
| ľ | 1270AN | 12 x 4 in | 11.0 in | 5.8 in | 5.3 in | * |
| | 1270AN | (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 |
| | 1270AN03D | (300 x 100 mm) | (226 mm) | (165 mm) | (60 mm) | VV I |
| ľ | 1271AN | 12 x 6 in | 12.0 in | 5.8 in | 6.2 in | * |
| | 12/ IAN | (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 TAN03D | (300 x 150 mm) | (254 mm) | (165 mm) | (89 mm) | VVI |
| ľ | 1272AN | 12 x 8 in | 12.5 in | 5.8 in | 6.7 in | * |
| | 12/2AIN | (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 |
| ŀ | 12727111002 | (300 x 200 mm) | (273 mm) | (1 <u>65 mm</u>) | (1 <u>08 mm</u>) | ** . |
| | 1273AN | 12 x 10 in | 13.3 in | 5.8 in | 7.6 in | * |
| ŀ | | (300 x 250 mm) 12 x 10 in | (338 mm) 11.8 in | (146 mm) 6.5 in | (192 mm) 5.3 in | |
| | 1273AN65B | | | | | WT |
| Į. | | (300 x 250 mm) | (298 mm) | (165 mm) | (133 mm) | |

^{* =} PLAIN END WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



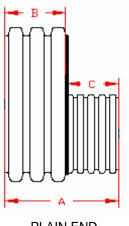
| DRAWING #: | 2500 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 1/29/2010 |
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| | | |

^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

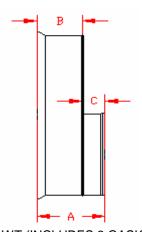
DUAL WALL FABRICATED REDUCERS 15"x4" - 15"x12" DIAMETER

| PART # | PIPE SIZE | А | 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 |
| 107 07 (1100B | (375 x 100 mm) | (257 mm) | (197 mm) | (60 mm) | V 1 |
| 1571AN | 15 x 6 in | 14.0 in | 7.8 in | 6.2 in | * |
| 107 17(1 | (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 (1400) | (375 x 150 mm) | (286 mm) | (197 mm) | (89 mm) | V 1 |
| 1572AN | 15 x 8 in | 14.5 in | 7.8 in | 6.7 in | * |
| IJIZAN | (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 I |
| 1573AN | 15 x 10 in | 15.3 in | 7.8 in | 7.6 in | * |
| ISTSAIN | (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 |
| 107 3AN03B | (375 x 250 mm) | (330 mm) | (197 mm) | (133 mm) | V V I |
| 1574AN | 15 x 12 in | 17.0 in | 7.8 in | 9.2 in | * |
| 1574AN | (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 |
| 1014ANOOD | (375 x 300 mm) | (362 mm) | (197 mm) | (165 mm) | 01 |
| 1574AN65B | 15 x 12 in | 14.3 in | 7.8 in | 6.5 in | WT |
| 137 4/11030 | (375 x 300 mm) | (362 mm) | (197 mm) | (165 mm) | VVI |

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



PLAIN END



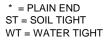
ST & WT (INCLUDES 2 GASKETS)

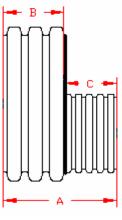


| DRAWING #: | 2505 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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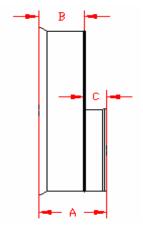
DUAL WALL FABRICATED REDUCERS 18"x4" - 18"15" DIAMETER

| 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 |
| 107 17(1000) | (450 x 150 mm) | (314 mm) | (226 mm) | (89 mm) | V 1 |
| 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 SANOSD | (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 | * |
| 10/4AIN | (450 x 300 mm) | (438 mm) | (204 mm) | (234 mm) | |
| 1874AN85B | 18 x 12 in | 15.4 in | 8.9 in | 6.5 in | ST |
| 10/4AN03D | (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 |
| 1075 A NI | 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 I DAINOOD | (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 |
| 107 SAINOSD | (450 x 1375mm) | (422 mm) | (226 mm) | (197 mm) | VVI |





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

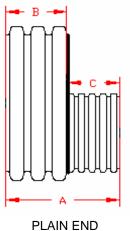


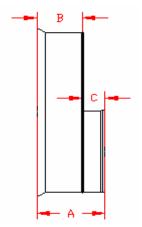
| DRAWING #: | 2510 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.12.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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| _ | | |

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)

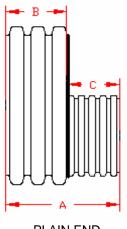


| DRAWING #: | 2515 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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| | | |

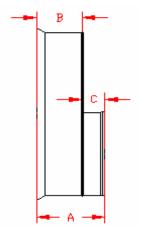
DUAL WALL FABRICATED REDUCERS 24"×15" - 24"×18" DIAMETER

| 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)

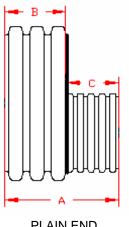


| DRAWING #: | 2515A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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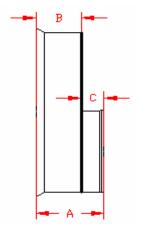
DUAL WALL FABRICATED REDUCERS 30"×4" - 30"×12" DIAMETER

| 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)

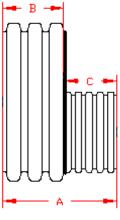


| DRAWING #: | 2520 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 09.28.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

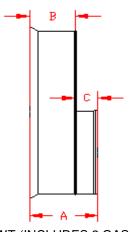
DUAL WALL FABRICATED REDUCERS 30"×15" - 30"×24" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|-----------|-----------------------------|---------------------|---------------------|--------------------|-------|
| 3075AN | 30 x 15 in | 25.0 in | 12.4 in | 12.7 in | * |
| | (750 x 375 mm) | (635 mm) | (314 mm) | (321 mm) | |
| 3075AN85B | 30 x 15 in (750 x 375mm) | 19.5 in (495 mm) | 11.8 in (298 mm) | 7.8 in | ST |
| | 30 x 15 in | 19.5 in | 11.8 in | (197 mm) 7.8 in | |
| 3075AN65B | (750 x 375 mm) | (495 mm) | (298 mm) | (197 mm) | WT |
| | 30 x 18 in | 25.0 in | 12.4 in | 12.7 in | |
| 3076AN | (750 x 450 mm) | (635 mm) | (314 mm) | (321 mm) | * |
| | 30 x 18 in | 20.6 in | 11.8 in | 8.9 in | |
| 3076AN85B | (750 x 450 mm) | (524 mm) | (298 mm) | (226 mm) | ST |
| | 30 x 18 in | 20.6 in | 11.8 in | 8.9 in | |
| 3076AN65B | (750 x 450 mm) | (524 mm) | (298 mm) | (226 mm) | WT |
| | 30 x 24 in | 27.9 in | 12.4 in | 15.6 in | |
| 3077AN | (750 x 600 mm) | (709 mm) | (314 mm) | (395 mm) | * |
| | 1 | , | , | \ / | |
| 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) | |
| 3077AN65B | 30 x 24 in | 18.8 in | 11.8 in | 7.0 in | WT |
| | (750 x 600 mm) | (476 mm) | (298 mm) | (178 mm) | |

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



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

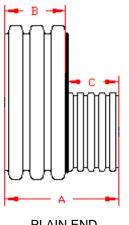


| DRAWING #: | 2520A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 09.28.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

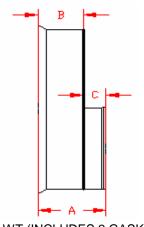
DUAL WALL FABRICATED REDUCERS 36"×4" - 36"×12" DIAMETER

| 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 V I |
| 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



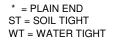
ST & WT (INCLUDES 2 GASKETS)

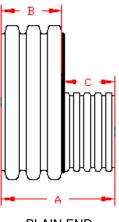


| DRAWING #: | 2525 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.11.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
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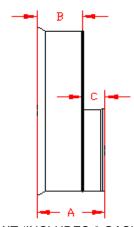
DUAL WALL FABRICATED REDUCERS 36"×15" - 36"×30" DIAMETER

| PART # | PIPE SIZE | Α | В | С | JOINT |
|-------------|----------------|----------|----------|----------|-------|
| 3675AN | 36 x 15 in | 28.4 in | 15.8 in | 12.7 in | * |
| | (900 x 375 mm) | (721 mm) | (400 mm) | (321 mm) | |
| 3675AN85B | 36 x 15 in | 19.0 in | 11.3 in | 7.8 in | ST |
| | (900 x 375 mm) | (484 mm) | (287 mm) | (197 mm) | |
| 3675AN65B | 36 x 15 in | 19.0 in | 11.3 in | 7.8 in | WT |
| 00707111002 | (900 x 375 mm) | (484 mm) | (287 mm) | (197 mm) | ** ' |
| 3676AN | 36 x 18 in | 28.4 in | 15.8 in | 12.7 in | * |
| 3070AN | (900 x 450 mm) | (721 mm) | (400 mm) | (321 mm) | |
| 3676AN85B | 36 x 18 in | 20.2 in | 11.3 in | 8.9 in | ST |
| 3070AN03D | (900 x 450 mm) | (512 mm) | (287 mm) | (226 mm) | 5 |
| 3676AN65B | 36 x 18 in | 20.2 in | 11.3 in | 8.9 in | WT |
| 3070AN03B | (900 x 450 mm) | (512 mm) | (287 mm) | (226 mm) | VVI |
| 3677AN | 36 x 24 in | 31.3 in | 15.8 in | 15.6 in | * |
| 3677AIN | (900 x 600 mm) | (795 mm) | (400 mm) | (395 mm) | |
| 3677AN85B | 36 x 24 in | 18.3 in | 11.3 in | 7.0 in | ST |
| 36//AINO3D | (900 x 600 mm) | (465 mm) | (287 mm) | (178 mm) | 31 |
| 3677AN65B | 36 x 24 in | 18.3 in | 11.3 in | 7.0 in | WT |
| 3077AN03B | (900 x 600 mm) | (465 mm) | (287 mm) | (178 mm) | VVI |
| 007041 | 36 x 30 in | 32.2 in | 15.8 in | 16.5 in | * |
| 3678AN | (900 x 750 mm) | (819 mm) | (400 mm) | (419 mm) | |
| 3678AN65B | 36 x 30 in | 23.0 in | 11.3 in | 11.8 in | СТ |
| 3070AN03B | (900 x 750 mm) | (585 mm) | (287 mm) | (298 mm) | ST |
| 0070AN0ED | 36 x 30 in | 23.0 in | 11.3 in | 11.8 in | \A/T |
| 3678AN85B | (900 x 750 mm) | (585 mm) | (287 mm) | (298 mm) | WT |





PLAIN END



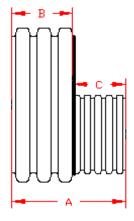
ST & WT (INCLUDES 2 GASKETS)



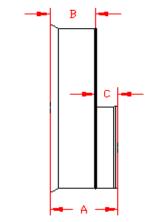
| DRAWING #: | 2525A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
| | | |
| | | |

DUAL WALL FABRICATED REDUCERS 42"×6" - 42"×15" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|------------------------|-----------------|----------|----------|----------|-------|
| 4271AN | 42 x 6 in | 21.8 in | 15.6 in | 6.2 in | * |
| 727 17(1) | (1050 x 150 mm) | (553 mm) | (395 mm) | (157 mm) | |
| 4271AN85B | 42 x 6 in | 12.6 in | 9.1 in | 3.5 in | ST |
| 127 17 (100B | (1050 x 150 mm) | (321 mm) | (232 mm) | (89 mm) | 01 |
| 4271AN65B | 42 x 6 in | 15.5 in | 12.0 in | 3.5 in | WT |
| 127 17 (1100B | (1050 x 150 mm) | (393 mm) | (305 mm) | (89 mm) | ••• |
| 4272AN | 42 x 8 in | 22.3 in | 15.6 in | 6.7 in | * |
| 4272AN | (1050 x 200 mm) | (566 mm) | (395 mm) | (171 mm) | |
| 4272AN85B | 42 x 8 in | 13.4 in | 9.1 in | 4.3 in | ST |
| 4272AN03B | (1050 x 200 mm) | (340 mm) | (232 mm) | (108 mm) | 0 |
| 4272AN65B | 42 x 8 in | 16.2 in | 12.0 in | 4.3 in | WT |
| 4272711 1 00B | (1050 x 200 mm) | (412 mm) | (305 mm) | (108 mm) | ** 1 |
| 4273AN | 42 x 10 in | 23.1 in | 15.6 in | 7.6 in | * |
| 427 JAIN | (1050 x 250 mm) | (588 mm) | (395 mm) | (192 mm) | |
| 4273AN85B | 42 x 10 in | 14.4 in | 9.1 in | 5.3 in | ST |
| 427 JAN 100D | (1050 x 250 mm) | (365 mm) | (232 mm) | (133 mm) | 01 |
| 4273AN65B | 42 x 10 in | 17.2 in | 12.0 in | 5.3 in | WT |
| 127 07 11 100 B | (1050 x 250 mm) | (438 mm) | (305 mm) | (133 mm) | ••• |
| 4274AN | 42 x 12 in | 24.8 in | 15.6 in | 9.2 in | * |
| 4274/11 | (1050 x 300 mm) | (629 mm) | (395 mm) | (234 mm) | |
| 4274AN85B | 42 x 12 in | 15.6 in | 9.1 in | 6.5 in | ST |
| 427 4ANOOD | (1050 x 300 mm) | (397 mm) | (232 mm) | (165 mm) | 01 |
| 4274AN65B | 42 x 12 in | 18.5 in | 12.0 in | 6.5 in | WT |
| 427 47 (I 1 00B | (1050 x 300 mm) | (470 mm) | (305 mm) | (165 mm) | ** 1 |
| 4275AN | 42 x 15 in | 28.2 in | 15.6 in | 12.7 in | * |
| 72/ 3/11 | (1050 x 375 mm) | (717 mm) | (395 mm) | (321 mm) | |
| 4275AN85B | 42 x 15 in | 16.9 in | 9.1 in | 7.8 in | ST |
| 727 JANUJD | (1050 x 375 mm) | (428 mm) | (232 mm) | (197 mm) | 01 |
| 4275AN65B | 42 x 15 in | 19.7 in | 12.0 in | 7.8 in | WT |
| 127 07 (1100) | (1050 x 375 mm) | (501 mm) | (305 mm) | (197 mm) | ** 1 |



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

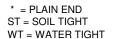


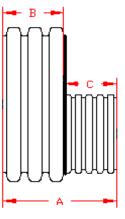
| DRAWING #: | 2530 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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| | | |

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

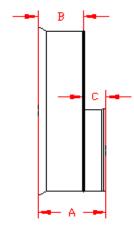
DUAL WALL FABRICATED REDUCERS 42"×18" - 42"×36" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|-----------|-------------------------------|-------------------------|---------------------|-------------------------|-------|
| 4276AN | 42 x 18 in (1050 x 450 mm) | 28.2 in (717 mm) | 15.6 in (395 mm) | 12.7 in (321 mm) | * |
| 4276AN85B | 42 x 18 in (1050 x 450 mm) | 18.0 in (457 mm) | 9.1 in (232 mm) | 8.9 in (226 mm) | ST |
| 4276AN65B | 42 x 18 in (1050 x 450 mm) | 20.9 in (530 mm) | 12.0 in (305 mm) | 8.9 in (226 mm) | WT |
| 4277AN | 42 x 24 in (1050 x 600 mm) | 31.1 in (790 mm) | 15.6 in (395 mm) | 15.6 in (395 mm) | * |
| 4277AN85B | 42 x 24 in (1050 x 600 mm) | 16.1 in (409 mm) | 9.1 in (232 mm) | 7.0 in (178 mm) | ST |
| 4277AN65B | 42 x 24 in (1050 x 600 mm) | 19.0 in (482 mm) | 12.0 in (305 mm) | 7.0 in (178 mm) | WT |
| 4278AN | 42 x 30 in (1050 x 750 mm) | 32.1 in (814 mm) | 15.6 in (395 mm) | 16.5 in (419 mm) | * |
| 4278AN85B | 42 x 30 in (1050 x 750 mm) | 20.9 in (530 mm) | 9.1 in (232 mm) | 11.8 in (298 mm) | ST |
| 4278AN65B | 42 x 30 in (1050 x 750 mm) | 23.7 in (603 mm) | 12.0 in (305 mm) | 11.8 in (298 mm) | WT |
| 4279AN | 42 x 36 in (1050 x 900 mm) | 36.1 in (918 mm) | 15.6 in (395 mm) | 20.6 in (522 mm) | * |
| 4279AN85B | 42 x 36 in (1050 x 900 mm) | 20.4 in (518 mm) | 9.1 in (232 mm) | 11.3 in (287 mm) | ST |
| 4279AN65B | 42 x 36 in (1050 x 900 mm) | 23.3 in (591 mm) | 12.0 in (305 mm) | 11.3 in (287 mm) | WT |





PLAIN END



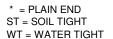
ST & WT (INCLUDES 2 GASKETS)

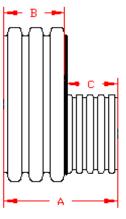


| DRAWING #: | 2530A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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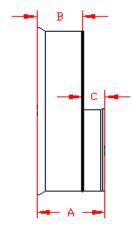
DUAL WALL FABRICATED REDUCERS 48"×12" - 48"×24" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|-----------|-------------------------------|-------------------------|---------------------|---------------------|-------|
| 4874AN | 48 x 12 in (1200 x 300 mm) | 25.0 in (634 mm) | 15.8 in (400 mm) | 9.2 in (234 mm) | * |
| 4874AN85B | 48 x 12 in (1200 x 300 mm) | 15.3 in (388 mm) | 8.8 in (223 mm) | 6.5 in (165 mm) | ST |
| 4874AN65B | 48 x 12 in (1200 x 300 mm) | 18.5 in (470 mm) | 12.0 in (305 mm) | 6.5 in (165 mm) | WT |
| 4875AN | 48 x 15 in (1200 x 375 mm) | 28.4 in (721 mm) | 15.8 in (400 mm) | 12.7 in (321 mm) | * |
| 4875AN85B | 48 x 15 in (1200 x 375 mm) | 16.5 in (419 mm) | 8.8 in (223 mm) | 7.8 in (197 mm) | ST |
| 4875AN65B | 48 x 15 in (1200 x 375 mm) | 19.7 in (501 mm) | 12.0 in (305 mm) | 7.8 in (197 mm) | WT |
| 4876AN | 48 x 18 in (1200 x 450 mm) | 28.4 in (721 mm) | 15.8 in (400 mm) | 12.7 in (321 mm) | * |
| 4876AN85B | 48 x 18 in (1200 x 450 mm) | 17.6 in (448 mm) | 8.8 in (223 mm) | 8.9 in (226 mm) | ST |
| 4876AN65B | 48 x 18 in (1200 x 450 mm) | 20.9 in (530 mm) | 12.0 in (305 mm) | 8.9 in (226 mm) | WT |
| 4877AN | 48 x 24 in (1200 x 600 mm) | 31.3 in (795 mm) | 15.8 in (400 mm) | 15.6 in (395 mm) | * |
| 4877AN85B | 48 x 24 in (1200 x 600 mm) | 15.8 in (400 mm) | 8.8 in (223 mm) | 7.0 in (178 mm) | ST |
| 4877AN65B | 48 x 24 in (1200 x 600 mm) | 19.0 in (482 mm) | 12.0 in (305 mm) | 7.0 in (178 mm) | WT |





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

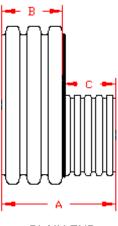


| DRAWING #: | 2535 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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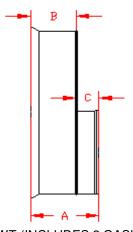
DUAL WALL FABRICATED REDUCERS 48"×30" - 48"×42" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|-------------|------------------|----------|----------|----------|-------|
| 4878AN | 48 x 30 in | 32.2 in | 15.8 in | 16.5 in | * |
| | (1200 x 750 mm) | (819 mm) | (400 mm) | (419 mm) | |
| 4878AN85B | 48 x 30 in | 20.5 in | 8.8 in | 11.8 in | ST |
| 407 O/NNOSD | (1200 x 750 mm) | (521 mm) | (223 mm) | (298 mm) | 5 |
| 4878AN65B | 48 x 30 in | 23.7 in | 12.0 in | 11.8 in | WT |
| 4070AN03D | (1200 x 750 mm) | (603 mm) | (305 mm) | (298 mm) | VVI |
| 4070AN | 48 x 36 in | 36.3 in | 15.8 in | 20.6 in | * |
| 4879AN | (1200 x 900 mm) | (922 mm) | (400 mm) | (522 mm) | |
| 4879AN85B | 48 x 36 in | 20.1 in | 8.8 in | 11.3 in | ST |
| 40/ 9ANO3D | (1200 x 900 mm) | (509 mm) | (223 mm) | (287 mm) | 5 |
| 4879AN65B | 48 x 36 in | 23.3 in | 12.0 in | 11.3 in | WT |
| 407 3ANOSD | (1200 x 900 mm) | (591 mm) | (305 mm) | (287 mm) | V 1 |
| 4842AN | 48 x 42 in | 36.4 in | 15.8 in | 20.7 in | * |
| 4042AIN | (1200 x 1050 mm) | (925 mm) | (400 mm) | (525 mm) | |
| 4842AN85B | 48 x 42 in | 17.9 in | 8.8 in | 9.1 in | ST |
| 4042AN00D | (1200 x 1050 mm) | (454 mm) | (223 mm) | (232 mm) | 31 |
| 4842AN65B | 48 x 42 in | 24.0 in | 12.0 in | 12.0 in | WT |
| 4042AN03D | (1200 x 1050 mm) | (609 mm) | (305 mm) | (305 mm) | V V I |

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



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

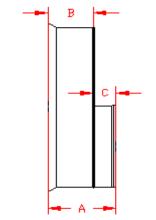


| DRAWING #: | 2535A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
| | | |
| | | |

DUAL WALL FABRICATED REDUCERS 60"×24" - 60"×48" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|------------|------------------|----------|----------|----------|-------|
| 6077AN | 60 x 24 in | 33.6 in | 18.0 in | 15.6 in | * |
| | (1500 x 600 mm) | (852 mm) | (457 mm) | (395 mm) | |
| 6077AN85B | 60 x 24 in | 16.6 in | 9.6 in | 7.0 in | ST |
| | (1500 x 600 mm) | (421 mm) | (243 mm) | (178 mm) | |
| 6077AN65B | 60 x 24 in | 16.6 in | 9.6 in | 7.0 in | WT |
| | (1500 x 600 mm) | (421 mm) | (243 mm) | (178 mm) | |
| 6078AN | 60 x 30 in | 34.5 in | 18.0 in | 16.5 in | * |
| 0070AN | (1500 x 750 mm) | (876 mm) | (457 mm) | (419 mm) | |
| 6078AN85B | 60 x 30 in | 21.3 in | 9.6 in | 11.8 in | ST |
| 0070AN03D | (1500 x 750 mm) | (542 mm) | (243 mm) | (298 mm) | 5 |
| 6078AN65B | 60 x 30 in | 21.3 in | 9.6 in | 11.8 in | WT |
| 0070AN03D | (1500 x 750 mm) | (542 mm) | (243 mm) | (298 mm) | VV 1 |
| CO70AN | 60 x 36 in | 38.6 in | 18.0 in | 20.6 in | * |
| 6079AN | (1500 x 900 mm) | (979 mm) | (457 mm) | (522 mm) | |
| 6079AN85B | 60 x 36 in | 20.9 in | 9.6 in | 11.3 in | ST |
| 0079AN03B | (1500 x 900 mm) | (530 mm) | (243 mm) | (287 mm) | 31 |
| 6079AN65B | 60 x 36 in | 20.9 in | 9.6 in | 11.3 in | WT |
| 0079AN03B | (1500 x 900 mm) | (530 mm) | (243 mm) | (287 mm) | VVI |
| CO 40 A N | 60 x 42 in | 38.7 in | 18.0 in | 20.7 in | * |
| 6042AN | (1500 x 1050 mm) | (982 mm) | (457 mm) | (525 mm) | |
| COAOANIOED | 60 x 42 in | 18.7 in | 9.6 in | 9.1 in | СТ |
| 6042AN85B | (1500 x 1050 mm) | (475 mm) | (243 mm) | (232 mm) | ST |
| COACANICED | 60 x 42 in | 21.6 in | 9.6 in | 12.0 in | \A/T |
| 6042AN65B | (1500 x 1050 mm) | (548 mm) | (243 mm) | (305 mm) | WT |
| 004041 | 60 x 48 in | 38.7 in | 18.0 in | 20.7 in | * |
| 6048AN | (1500 x 1200 mm) | (982 mm) | (457 mm) | (525 mm) | • |
| 0040401055 | 60 x 48 in | 18.3 in | 9.6 in | 8.8 in | ОТ |
| 6048AN85B | (1500 x 1200 mm) | (466 mm) | (243 mm) | (223 mm) | ST |
| CO49ANGED | 60 x 48 in | 21.6 in | 9.6 in | 12.0 in | \A/T |
| 6048AN65B | (1500 x 1200 mm) | (548 mm) | (243 mm) | (305 mm) | WT |

PLAIN END



ST & WT (INCLUDES 2 GASKETS)

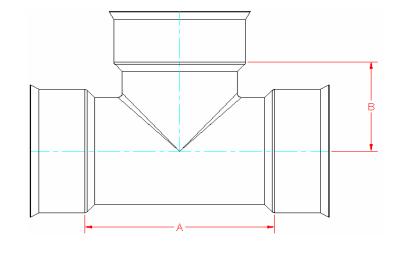


| DRAWING #: | 2540 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
| | | |
| | | |

^{* =} 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)

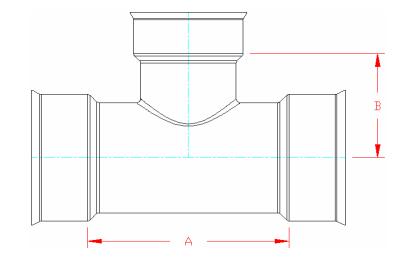
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



| 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)

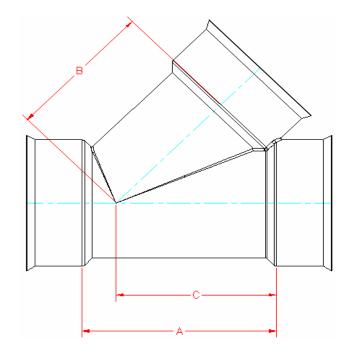
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



| 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)

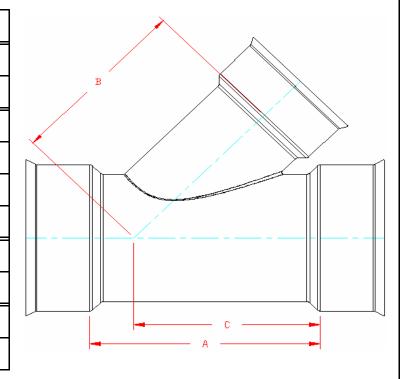
FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.



| 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 |
| 088044 1 | (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 |
| 1281WT | 12 × 6 in | 17.1 in | 15.8 in | 14.5 in | WT |
| 1201001 | (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 |
| | | |
| | | |

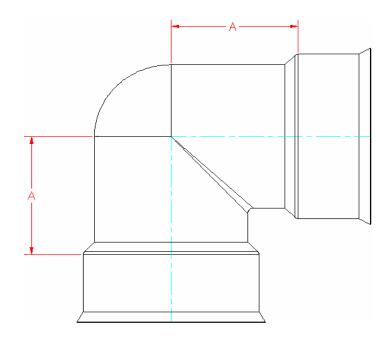
INJECTION MOLDED 90° BEND 4" - 12" DIAMETER

| 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.



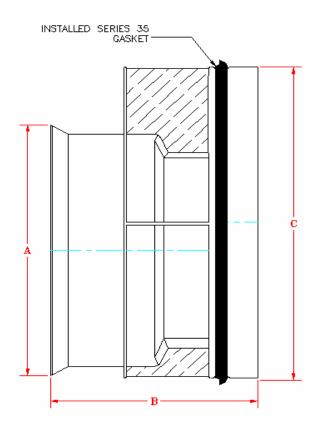
| DRAWING #: | 3300 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 07.31.06 |
| APPROVED BY: | | |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

INJECTION MOLDED BELL/SPIGOT REDUCER

| PART # | PIPE SIZE | Α | 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 |

A B

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)



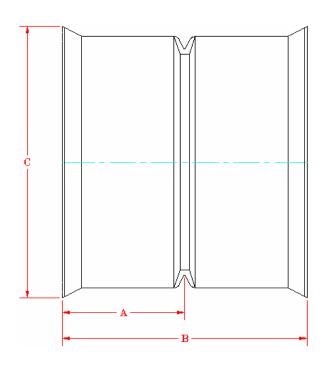
| DRAWING #: | 3500 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 07.31.06 |
| APPROVED BY: | | |
| REVISIONS: | NJP | 06.15.07 |
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| | | |

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)

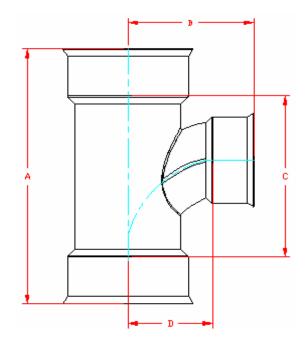




| DRAWING #: | 3600 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.28.07 |
| APPROVED BY: | | |
| REVISIONS: | TJR | 10.17.07 |
| | | |
| | | |

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)



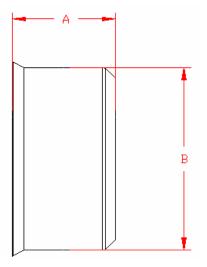
| DRAWING #: | 3700 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.28.07 |
| APPROVED BY: | | |
| REVISIONS: | TJR | 10.17.07 |
| | | |
| | | |

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)





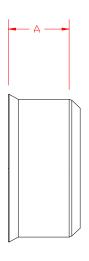
| DRAWING #: | 3800 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.28.07 |
| APPROVED BY: | | |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

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

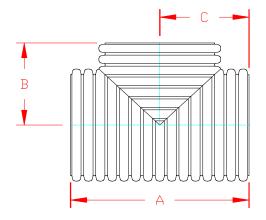




| DRAWING # | # : | 3900 | |
|-------------|------------|------|-----------|
| DRAWN BY | / : | TJR | 6/10/2009 |
| APPROVED BY | / : | | |
| REVISIONS | 3: | | |
| | | | |
| | | | |

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) |

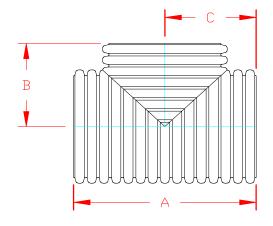




| DRAWING #: | 4000 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 5.12.09 |
| | | |
| | | |

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) |

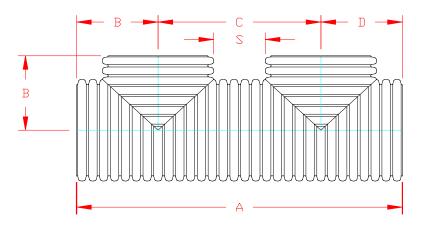




| DRAWING #: | 4000A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.28.07 |
| | | |
| - | | |

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 (450 mm) | 70.6 in (1792 mm) | 17.6 in (448 mm) | 35.3 in (896 mm) | 17.6 in (448 mm) | 14.1 in (358 mm) |
| 2452AN | 24 in (600 mm) | 82.7 in (2102 mm) | 20.7 in (526 mm) | 41.4 in (1051 mm) | 20.7 in (526 mm) | 13.7 in (347 mm) |
| 3052AN | 30 in | 106.1 in | 26.5 in | 53.1 in | 26.5 in | 18.2 in |

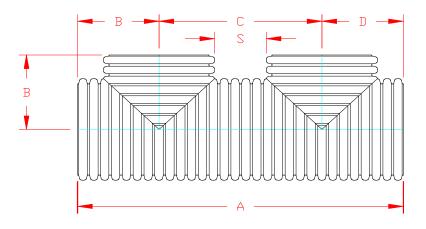




| DRAWING #: | 4005 | |
|--------------|------|-----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 5/12/2009 |
| | | |
| | | |

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) |

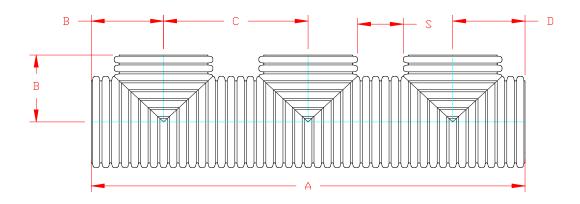




| DRAWING #: | 4005A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.28.07 |
| | | |
| | | |

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) |

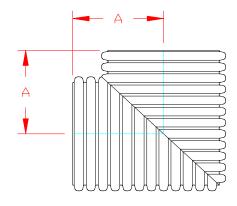




| DRAWING #: | 4010 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90° MANIFOLD BEND 12" - 30" DIAMETER

| 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) |

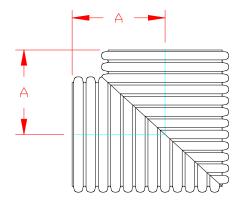




| DRAWING #: | 4015 | |
|--------------|------|----------|
| DRAWN BY: | | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90°MA NIFOLD BEND 36" - 60" DIAMETER

| 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) |

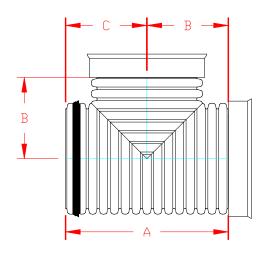




| DRAWING #: | 4015A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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DUAL WALL FABRICATED "WATER TIGHT" "BELL END" SINGLE MANIFOLD 12" - 30" DIAMETER

| 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) |



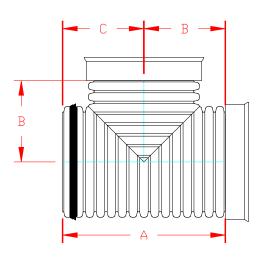
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



| DRAWING #: | 4020 | |
|--------------|------|----------|
| DRAWN BY: | 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" 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) |



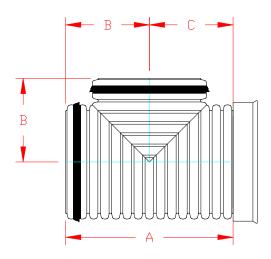
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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

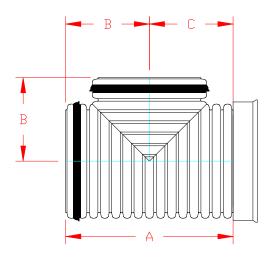




| DRAWING #: | 4025 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | KCB | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" SINGLE MANIFOLD 36" - 60" DIAMETER

| 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) |
| 4851AN65G | 48 in (1200 mm) | 78.5 in (1994 mm) | 39.3 in (997 mm) | 39.3 in (997 mm) |
| 6051AN65G | 60 in (1500 mm) | 90.0 in (2286 mm) | 51.0 in (1295 mm) | 39.0 in (991 mm) |

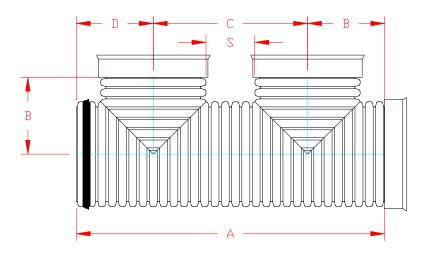




| DRAWING #: | 4025A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | | |
| REVISIONS: | NJP | 06.28.07 |
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DUAL WALL FABRICATED "WATER TIGHT" "BELL END" DOUBLE MANIFOLD 12" - 30" DIAMETER

| 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) |



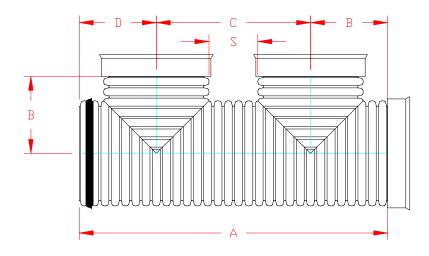
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



| 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) |



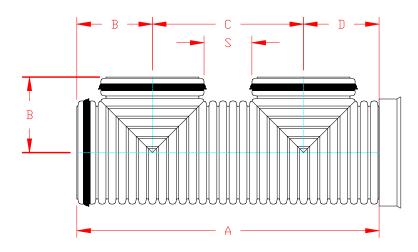
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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

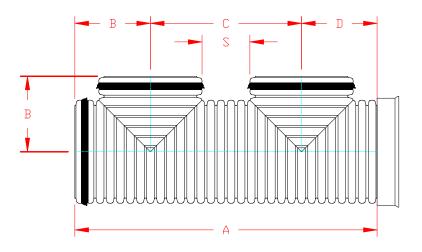




| DRAWING #: | 4035 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "WATER TIGHT" "GASKET END" DOUBLE MANIFOLD 36" - 60" DIAMETER

| 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 (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) |
| 4852AN65G | 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) |
| 6052AN65G | 60 in (1500 mm) | 180.0 in (4572 mm) | 51.0 in (1295 mm) | 90.0 in (2286 mm) | 39.0 in (991 mm) | 23.9 in (607 mm) |

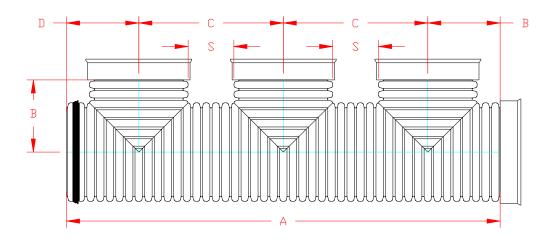




| DRAWING #: | 4035A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.28.07 |
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DUAL WALL FABRICATED "WATER TIGHT" "BELL END" TRIPLE MANIFOLD 12" - 36" DIAMETER

| 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) |



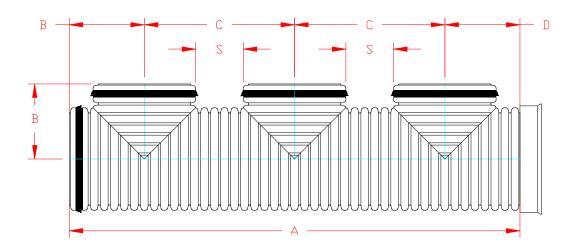
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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

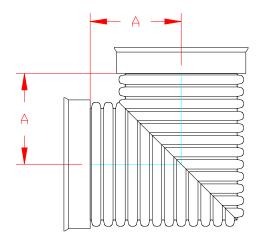




| DRAWING #: | 4045 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "WATER TIGHT" "BELL-BELL" 90° MANIFOLD BEND 12" - 30" DIAMETER

| 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) |



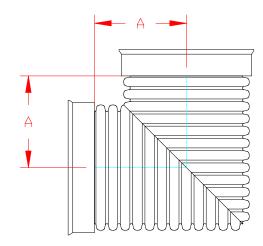
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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



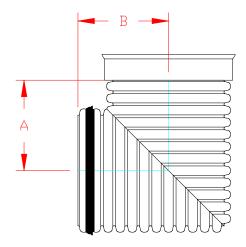
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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



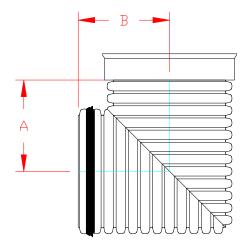
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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



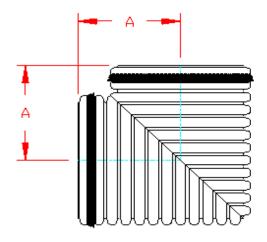
BELL END GASKET NOT INCLUDED WITH FITTING PLEASE ORDER SEPARATELY.



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

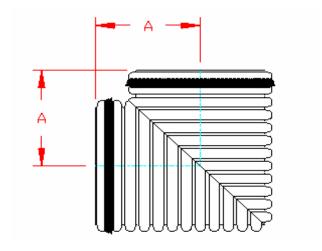




| DRAWING #: | 4060 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 05.12.09 |
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DUAL WALL FABRICATED "WATER TIGHT" "GASKET-GASKET" 90° MANIFOLD BEND 36" - 60" DIAMETER

| 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) |





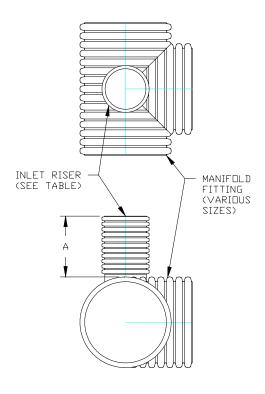
| DRAWING #: | 4060A | |
|--------------|-------|----------|
| DRAWN BY: | AWM | 03.17.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.28.07 |
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DUAL WALL FABRICATED MANIFOLD INLET RISER

| 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.



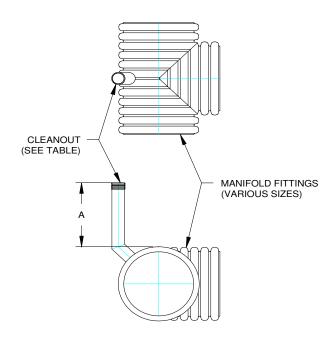
| ADVANCED DRAINAGE SYSTEMS, INC. |
|---------------------------------|

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





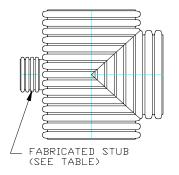
| DRAWING #: | 4070 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 07.13.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 10.23.07 |
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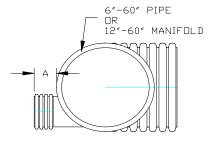
DUAL WALL FABRICATED STUB

| PART # | PIPE SIZE | Α |
|--------|--------------------------|---------------------|
| 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.**



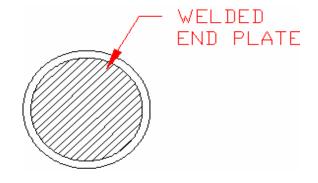




| DRAWING #: | 4075 | |
|--------------|------|----------|
| DRAWN BY: | AWM | 07.13.06 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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WELDED END PLATE (ST/WT CONNECTION)

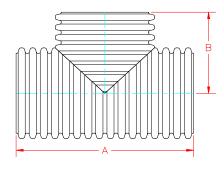
| PART # | PIPE SIZE | PLATE THICKNESS | STIFFENERS |
|--------|---------------------------|-----------------|------------|
| 0409AN | 4 in (100 mm) | 0.25" | 0 |
| 0609AN | 6 in (150 mm) | 0.25" | 0 |
| 0809AN | 8 in (200 mm) | 0.25" | 0 |
| 1009AN | 10 in (250 mm) | 0.25" | 0 |
| 1209AN | 12 in (300 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



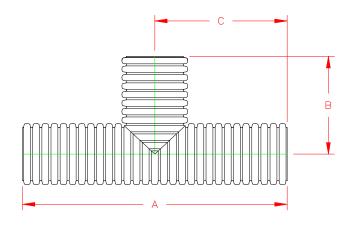
| PART # | PIPE SIZE | CHAMBER SIZE | А | В |
|------------|--------------------------|-----------------|--------------------------|---------------------|
| 0651AN7406 | 6 in (150 mm) | SC-740 | 57.0 in (1447 mm) | 28.5 in (724 mm) |
| 0851AN7408 | 8 in (200 mm) | SC-740 | 56.6 in (1439 mm) | 28.3 in (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: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE MANIFOLD 12" - 24" DIAMETER

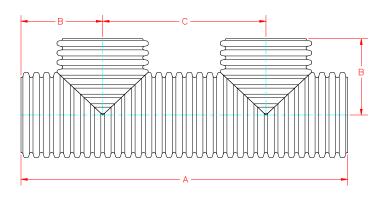


| PART # | PIPE SIZE | CHAMBER SIZE | Α | В | С |
|------------|-----------------------|-----------------|--------------------------|--------------------------|--------------------------|
| 1251AN3512 | 12 in (300 mm) | 3500 | 84.0 in (2134 mm) | 40.1 in (1018 mm) | 42.0 in (1067 mm) |
| 1551AN3515 | 15 in (375 mm) | 3500 | 84.1 in (2135 mm) | 43.4 in (1101 mm) | 42.1 in (1068 mm) |
| 1851AN3518 | 18 in (450 mm) | 3500 | 82.3 in (2091 mm) | 44.1 in (1120 mm) | 41.2 in (1045 mm) |
| 2451AN3524 | 24 in (600 mm) | 3500 | 85.1 in (2160 mm) | 49.4 in (1255 mm) | 42.6 in (1081 mm) |



| DRAWING #: | 5005 | DATE |
|--------------|------|------------|
| DRAWN BY: | CAS | 01.06.2010 |
| APPROVED BY: | | |
| REVISIONS: | CAS | 01.22.2020 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" DOUBLE MANIFOLD 6" - 24" DIAMETER



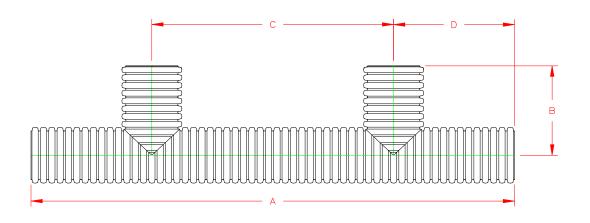
| PART # | PIPE SIZE | CHAMBER SIZE | А | В | С |
|--------------------------|--|------------------|--|--|--|
| 0652AN7406 | 6 in | SC-740 | 114.0 in | 28.5 in | 57.0 in |
| | (150 mm) | | (2896 mm) | (724 mm) | (1447 mm) |
| 0852AN7408 | 8 in | SC-740 | 113.3 in | 28.3 in | 56.6 in |
| 0002/111/ 400 | (200 mm) | 00 740 | (2877 mm) | (719 mm) | (1439 mm) |
| 1052AN7410 | 10 in | SC-740 | 113.4 in | 28.4 in | 56.7 in |
| 1032/11/410 | (250 mm) | 30-740 | (2880 mm) | (720 mm) | (1440 mm) |
| | | | | | |
| 1252AN7/12 | 12 in | SC-740 | 115.2 in | 28.8 in | 57.6 in |
| 1252AN7412 | 12 in (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 | А | 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: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE MANIFOLD 12" - 24" DIAMETER

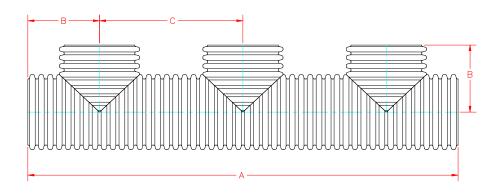


| PART # | PIPE SIZE | CHAMBER SIZE | Α | В | С | D |
|--------------|--------------------------|-----------------|-----------------------|--------------------------|----------------------|--------------------------|
| 1252AN3512 | 12 in (300 mm) | 3500 | 168.0 in (4268 mm) | 40.1 in (1018 mm) | 84.0 in (2134 mm) | 42.0 in (1067 mm) |
| 1552AN3515 | 15 in | 3500 | 168.1 in | 43.4 in | 84.1 in | 42.0 in |
| 1002/1110010 | (375 mm) | 0000 | (4270 mm) | (1101 mm) | (2135 mm) | (1068 mm) |
| 1852AN3518 | 18 in | 3500 | 164.6 in | 44.1 in | 82.3 in | 41.2 in |
| 1002/110010 | (450 mm) | 3300 | (4182 mm) | (1120 mm) | (2091 mm) | (1045 mm) |
| 2452AN3524 | 24 in | 3500 | 170.1 in | 49.4 in | 85.1 in | 42.5 in |
| 2402MN0024 | (600 mm) | 3500 | (4321 mm) | (1255 mm) | (2160 mm) | (1080 mm) |



| DRAWING #: | 5055 | DATE |
|--------------|------|------------|
| DRAWN BY: | CAS | 01.06.2010 |
| APPROVED BY: | | |
| REVISIONS: | CAS | 01.22.2010 |
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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) | 00 710 | (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) | 30 -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 SIZE | Α | 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) |

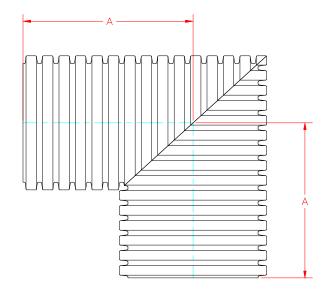


| DRAWING #: | 5100 | |
|--------------|------|----------|
| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" 90° MANIFOLD BEND 6" - 24" DIAMETER

| 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) |

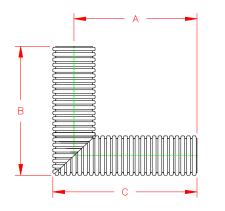
| PART# | PIPE SIZE | PIPE SIZE | А |
|----------|--------------------------|-----------|-------------------------|
| 0698AN31 | 6 in (150 mm) | SC-310 | 19.6 in (499 mm) |
| 0898AN31 | 8 in (200 mm) | SC-310 | 19.7 in (500 mm) |
| 1098AN31 | 10 in (250 mm) | SC-310 | 19.5 in (496 mm) |
| 1298AN31 |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

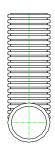




| DRAWING #: | 5150 | |
|--------------|------|----------|
| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" ELBOWS 12" - 24" DIAMETER





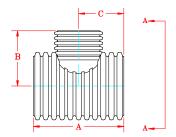
| PART # | PIPE SIZE | CHAMBER SIZE | Α | В | С |
|--------------|-----------|-----------------|-----------|-----------|-----------|
| 1298AN3512 | 12 in | 3500 | 42.0 in | 47.3 in | 48.5 in |
| 1200/1110012 | (300 mm) | 5555 | (1067 mm) | (1201 mm) | (1232 mm) |
| 1598AN3515 | 15 in | 3500 | 43.4 in | 52.1 in | 52.1 in |
| 1390AN3313 | (375 mm) | 3300 | (1101 mm) | (1324 mm) | (1324 mm) |
| 1898AN3518 | 18 in | 3500 | 41.2 in | 54.7 in | 54.7 in |
| 1090AN3310 | (450 mm) | 3300 | (1045 mm) | (1389 mm) | (1389 mm) |
| 2498AN3524 | 24 in | 3500 | 42.5 in | 63.3 in | 56.0 in |
| 2490AN3324 | (600 mm) | 3300 | (1080 mm) | (1608 mm) | (1423 mm) |

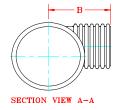


| DRAWING #: | 5175 | DATE |
|--------------|------|------------|
| DRAWN BY: | CAS | 01.06.2010 |
| APPROVED BY: | | |
| REVISIONS: | CAS | 01.22.2010 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 8" - 24" DIAMETER

| 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 | | 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) |

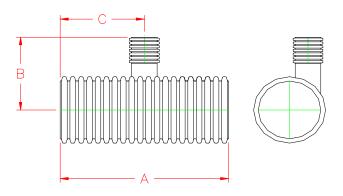






| DRAWING #: | | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE REDUCING MANIFOLD 15"-24" DIAMETER (ECC)



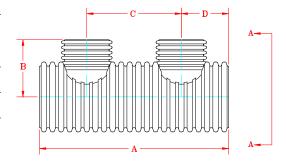
| PART# | PIPE SIZE | CHAMBER SIZE | А | В | С |
|------------|--------------------------------|-----------------|--------------------------|--------------------------|--------------------------|
| 2451AN3512 | 24" X 12" in (600 x 300 mm) | 3500 | 84.5 in (2147 mm) | 46.6 in (1183 mm) | 42.3 in (1183 mm) |
| 2451AN3515 | 24" x 15" in (600 x 375 mm) | 3500 | 84.5 in (2147 mm) | 46.6 in (1184 mm) | 42.25 (1184 mm) |
| 2451AN3518 | 24" X 18" in (250 x 450 mm) | 3500 | 84.5 in (2147 mm) | 46.6 in (1184 mm) | 42.25 (1184 mm) |
| 1851AN3515 | 18" x 15" in (450 x 375 mm) | 3500 | 82.3 in (2091 mm) | 43.3 in (1099 mm) | 41.16 (1045 mm) |
| 1851AN3512 | 18" x 12" in (450 x 300 mm) | 3500 | 82.3 in (2091 mm) | 43.3 in (1099 mm) | 41.16 (1099 mm) |
| 1551AN3512 | 15" x 12" in (375 x 300 mm) | 3500 | 84.1 in (2135 mm) | 42.1 in (1069 mm) | 42.05 (1069 mm) |

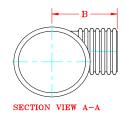


| DRAWING #: | 5205 | DATE |
|--------------|------|------------|
| DRAWN BY: | CAS | 01.06.2010 |
| APPROVED BY: | | |
| REVISIONS: | CAS | 01.22.2010 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 8" - 24" DIAMETER

| 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) | 00 0.0 | (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) | 00 010 | (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) | 30 0.0 | (1974 mm) | (394 mm) | (987 mm) | (504 mm) |
| 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) |

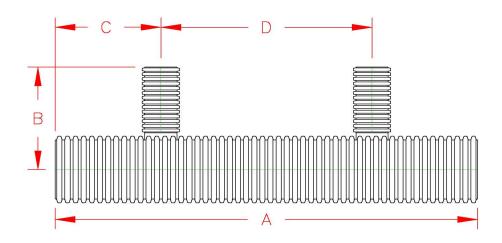






| | DRAWING #: | | |
|----|-------------|-----|----------|
| | DRAWN BY: | TJR | 11.15.07 |
| ΑF | PPROVED BY: | | 11.15.07 |
| | REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE REDUCING MANIFOLD 15"-24" DIAMETER (ECC)



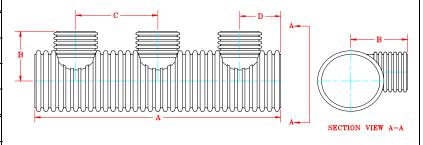
| PART # | PIPE SIZE | CHAMBER SIZE | А | В | С | D |
|-------------|----------------|-----------------|-----------|-----------|-----------|-----------|
| 1552AN3512 | 15" x 12" in | 3500 | 168.2 in | 42.1 in | 42.1 in | 84.1 in |
| | (375 x 300 mm) | | (4272 mm) | (1069 mm) | (1068 mm) | (2136 mm) |
| 1852AN3512 | 18" x 12" in | 3500 | 170.6 in | 43.3 in | 43.3 in | 85.3 in |
| | (450 x 300 mm) | | (4333 mm) | (1099 mm) | (1100 mm) | (2167 mm) |
| 1852AN3515 | 18" x 15" in | 3500 | 170.6 in | 43.3 in | 43.3 in | 85.3 in |
| 1002/110010 | (450 x 375 mm) | 3300 | (4333 mm) | (1099 mm) | (1099 mm) | (2167 mm) |
| 2452AN3512 | 24" X 12" in | 3500 | 169.0 in | 46.6 in | 42.3 in | 84.5 in |
| 2432AN3312 | (600 x 300 mm) | 3300 | (4293 mm) | (1183 mm) | (1073 mm) | (2146 mm) |
| 2452AN3515 | 24" x 15" in | 3500 | 169.0 in | 46.6 in | 42.3 in | 84.5 in |
| 2432AN3313 | (600 x 375 mm) | 3300 | (4293 mm) | (1183 mm) | (1074 mm) | (2146 mm) |
| 2452AN3518 | 24" X 18" in | 3500 | 169.0 in | 46.6 in | 42.7 in | 84.5 in |
| 2402MN3516 | (250 x 450 mm) | 3300 | (4293 mm) | (1184 mm) | (1085 mm) | (2146 mm) |



| DRAWING #: | 5255 | DATE |
|--------------|------|------------|
| DRAWN BY: | CAS | 01.06.2010 |
| APPROVED BY: | | |
| REVISIONS: | CAS | 01.22.2010 |
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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) | SC-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) | 00 010 | (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) | | (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 | 1553AN3110 15" x 10" in | SC-310 | 116.6 in | 16.4 in | 38.9 in | 19.9 in |
| | (375 x 250 mm) | 00-010 | (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) |
| 0.450.4.104.10 | 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 |
| 2453AN3112 | (600 x 300 mm) | SU-310 | (3120 mm) | (625 mm) | (1040 mm) | (520 mm) |

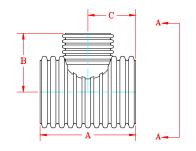


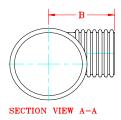


| DRAWING #: | 5300 | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 8" - 18" 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) | 00 740 | (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 |
| 15517117410 | (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) | 30-740 | (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) |



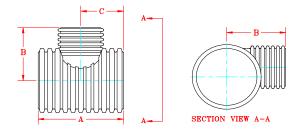




| DRAWING #: | 5350 | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING SINGLE MANIFOLD 24" -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

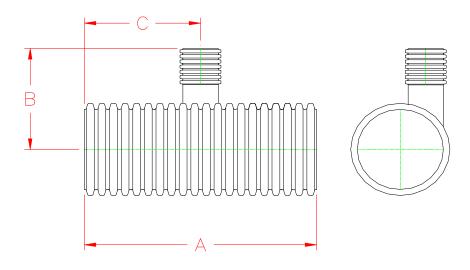


| PART # | PIPE SIZE | CHAMBER | Α | В | С |
|------------|---------------------------------|---------|--------------------------|-------------------------|---------------------|
| 4251AN7412 | 42" x 12" in (1050 x 300 mm) | SC-740 | 57.1 in (1450 mm) | 34.6 in (879 mm) | 28.6 in (725 mm) |
| 4251AN7415 | 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 | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE REDUCING MANIFOLD 30" & 36" DIAMETER (ECC)

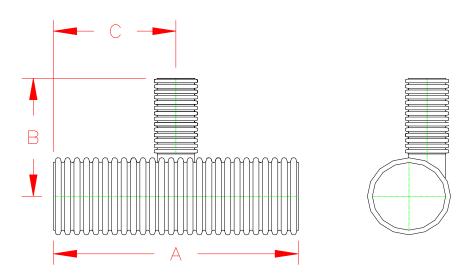


| PART# | PIPE SIZE | CHAMBER SIZE | А | В | С |
|------------|------------------------------------|-----------------|----------------------|--------------------------|--------------------------|
| 3051AN3512 | 30" X 12" in (750 x 300 mm) | 3500 | 85.7 in (2177 mm) | 51.3 in (1303 mm) | 42.8 in (1088 mm) |
| 3051AN3515 | 30" x 15" in (750 x 375 mm) | 3500 | 85.7 in (2177 mm) | 50.2 in (1276 mm) | 42.9 in (1088 mm) |
| 3051AN3518 | 30" X 18" in (750 x 450 mm) | 3500 | 85.7 in (2177 mm) | 50.2 in (1276 mm) | 42.9 in (1088 mm) |
| 3051AN3524 | 30" x 24" in (750 x 600 mm) | 3500 | 85.7 in (2177 mm) | 50.8 in (1291 mm) | 42.9 in (1088 mm) |
| 3651AN3512 | 36" x 12" in (900 x 300 mm) | 3500 | 83.7 in (2127 mm) | 53.8 in (1367 mm) | 41.8 in (1063 mm) |
| 3651AN3515 | 36" x 15" in (900 x 375 mm) | 3500 | 83.7 in (2127 mm) | 53.8 in (1367 mm) | 41.9 in (1063 mm) |
| 3651AN3518 | 36" x 18" in (900 x 450 mm) | 3500 | 83.7 in (2127 mm) | 53.8 in (1367 mm) | 41.9 in (1063 mm) |
| 3651AN3524 | 36" x 24" in (900 x 600 mm) | 3500 | 83.7 in (2127 mm) | 54.4 in (1383 mm) | 41.9 in (1063 mm) |



| DRAWING #: | 5415 | DATE |
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| DRAWN BY: | CAS | 01.06.2010 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" SINGLE REDUCING MANIFOLD 42" & 48" DIAMETER (ECC)



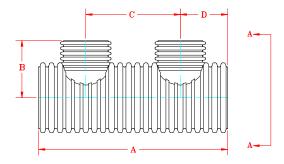
| PART# | PIPE SIZE | CHAMBER SIZE | А | В | С |
|------------|---------------------------------|-----------------|----------------------|--------------------------|--------------------------|
| 4251AN3512 | 42" X 12" in (1050 x 300 mm) | 3500 | 82.2 in (2088 mm) | 56.5 in (1436 mm) | 41.1 in (1044 mm) |
| 4251AN3515 | 42" x 15" in (1050 x 375 mm) | 3500 | 82.2 in (2088 mm) | 56.6 in (1436 mm) | 41.1 in (1044 mm) |
| 4251AN3518 | 42" X 18" in (1050 x 450 mm) | 3500 | 82.2 in (2088 mm) | 56.5 in (1436 mm) | 41.1 in (1044 mm) |
| 4251AN3524 | 42" x 24" in (1050 x 600 mm) | 3500 | 82.2 in (2088 mm) | 57.1 in (1451 mm) | 41.1 in (1044 mm) |
| 4851AN3512 | 48" X 12" in (1200 x 300 mm) | 3500 | 83.7 in (2127 mm) | 59.5 in (1511 mm) | 41.9 in (1063 mm) |
| 4851AN3515 | 48" x 15" in (1200 x 375 mm) | 3500 | 83.7 in (2127 mm) | 59.5 in (1510 mm) | 41.9 in (1063 mm) |
| 4851AN3518 | 48" X 18" in (1200 x 450 mm) | 3500 | 83.7 in (2127 mm) | 59.5 in (1511 mm) | 41.9 in (1063 mm) |
| 4851AN3524 | 48" x 24" in (1200 x 600 mm) | 3500 | 83.7 in (2127 mm) | 60.1 in (1526 mm) | 41.9 in (1063 mm) |

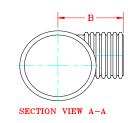


| DRAWING #: | 5430 | DATE |
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| DRAWN BY: | CAS | 01.06.2010 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 8" - 18" DIAMETER

| 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) | 30-740 | (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) | 30-740 | (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) | 00-7-40 | (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) | SC-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) |
| 1852AN7412 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) |



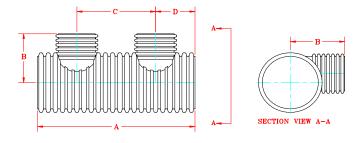




| DRAWING #: | 5450 | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING DOUBLE MANIFOLD 24" - 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 |
| 2102/111/100 | (600 x 150 mm) | 00 7 10 | (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 7 10 | (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) | 00 7 10 | (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) | 007.0 | (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) | 00 7 10 | (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) | | (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 |
| 3032AN7410 | (750 x 450 mm) | 30-740 | (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 |
| 3032AN7424 | (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 |
| 3032AN/412 | (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 |
| 3032AN/413 | (900 x 375 mm) | 50-740 | (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 |
| 3032AN/418 | (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 |
| 3032AN/424 | (900 x 600 mm) | 30-740 | (2934 mm) | (795 mm) | (1467 mm) | (734 mm) |

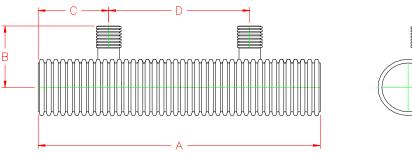


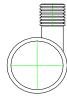
| PART# | PIPE SIZE | CHAMBER SIZE | Α | В | С | D |
|------------|---------------------------------|--------------|-----------------------|-------------------------|--------------------------|---------------------|
| 4252AN7412 | 42" x 12" in (1050 x 300 mm) | SC-740 | 114.2 in (2900 mm) | 34.6 in (879 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 | |
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| DRAWN BY: | TJR | 11.15.07 |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE REDUCING MANIFOLD 30" & 36" DIAMETER (ECC)



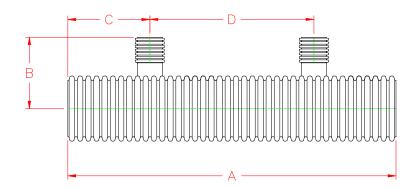


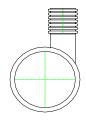
| PART# | PIPE SIZE | CHAMBER SIZE | А | В | С | D |
|------------|--------------------------------|-----------------|---------------------------|--------------------------|--------------------------|----------------------|
| 3052AN3512 | 30" X 12" in (750 x 300 mm) | 3500 | 171.4 in (4353 mm) | 51.3 in (1303 mm) | 42.8 in (1088 mm) | 85.7 in (2177 mm) |
| 3052AN3515 | 30" x 15" in (750 x 375 mm) | 3500 | 171.4 in (4353 mm) | 50.2 in (1276 mm) | 42.9 in (1088 mm) | 85.7 in (2177 mm) |
| 3052AN3518 | 30" X 18" in (750 x 450 mm) | 3500 | 171.4 in (4353 mm) | 50.2 in (1276 mm) | 42.9 in (1088 mm) | 85.7 in (2177 mm) |
| 3052AN3524 | 30" x 24" in (750 x 600 mm) | 3500 | 171.4 in (4353 mm) | 50.8 in (1291 mm) | 42.9 in (1088 mm) | 85.7 in (2177 mm) |
| 3652AN3512 | 36" x 12" in (900 x 300 mm) | 3500 | 167.5 in (4254 mm) | 53.8 in (1367 mm) | 41.8 in (1063 mm) | 83.7 in (2127 mm) |
| 3652AN3515 | 36" x 15" in (900 x 375 mm) | 3500 | 167.5 in (4254 mm) | 53.8 in (1367 mm) | 41.9 in (1063 mm) | 83.7 in (2127 mm) |
| 3652AN3518 | 36" x 18" in (900 x 450 mm) | 3500 | 167.5 in (4254 mm) | 53.8 in (1367 mm) | 41.9 in (1063 mm) | 83.7 in (2127 mm) |
| 3652AN3524 | 36" x 24" in (900 x 600 mm) | 3500 | 167.5 in (4254 mm) | 54.4 in (1383 mm) | 41.9 in (1063 mm) | 83.7 in (2127 mm) |



| DRAWING #: | 5515 | DATE |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" DOUBLE REDUCING MANIFOLD 42" & 48" DIAMETER (ECC)





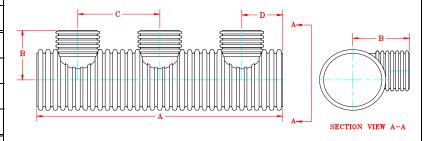
| PART # | PIPE SIZE | CHAMBER SIZE | Α | В | С | D |
|------------|-----------------|-----------------|-----------|-----------|-----------|-----------|
| 4252AN3512 | 42" X 12" in | 3500 | 164.4 in | 56.5 in | 41.1 in | 82.2 in |
| 4232AN3312 | (1050 x 300 mm) | | (4176 mm) | (1436 mm) | (1044 mm) | (2088 mm) |
| 4252AN3515 | 42" x 15" in | 3500 | 164.4 in | 56.6 in | 41.1 in | 82.2 in |
| 4232AN3313 | (1050 x 375 mm) | 3300 | (4176 mm) | (1436 mm) | (1044 mm) | (2088 mm) |
| 4252AN3518 | 42" X 18" in | 3500 | 164.4 in | 56.5 in | 41.1 in | 82.2 in |
| 4232AN3310 | (1050 x 450 mm) | 3500 | (4176 mm) | (1436 mm) | (1044 mm) | (2088 mm) |
| 4252AN3524 | 42" x 24" in | 3500 | 164.4 in | 57.1 in | 41.1 in | 82.2 in |
| 4202AN0024 | (1050 x 600 mm) | 3300 | (4176 mm) | (1451 mm) | (1044 mm) | (2088 mm) |
| 4852AN3512 | 48" X 12" in | 3500 | 167.5 in | 59.5 in | 41.9 in | 83.7 in |
| 4002AN0012 | (1200 x 300 mm) | 3300 | (4253 mm) | (1511 mm) | (1063 mm) | (2127 mm) |
| 4852AN3515 | 48" x 15" in | 3500 | 167.5 in | 59.5 in | 41.9 in | 83.7 in |
| 4032AN3313 | (1200 x 375 mm) | 3300 | (4253 mm) | (1510 mm) | (1063 mm) | (2127 mm) |
| 4852AN3518 | 48" X 18" in | 3500 | 167.5 in | 59.5 in | 41.9 in | 83.7 in |
| 4032AN3310 | (1200 x 450 mm) | 3300 | (4253 mm) | (1511 mm) | (1063 mm) | (2127 mm) |
| 4852AN3524 | 48" x 24" in | 3500 | 167.5 in | 60.1 in | 41.9 in | 83.7 in |
| 4002AN0024 | (1200 x 600 mm) | 3300 | (4253 mm) | (1526 mm) | (1063 mm) | (2127 mm) |



| DRAWING #: | 5530 | DATE |
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| DRAWN BY: | CAS | 01.06.2010 |
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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) | 00-740 | (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) |

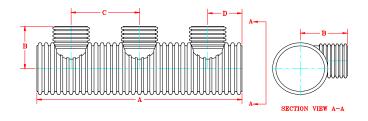




| DRAWING #: | 5550 | |
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| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | | |
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STORMTECH DUAL WALL FABRICATED "SOIL TIGHT" "PLAIN END" REDUCING TRIPLE MANIFOLD 24" - 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 |
| 2430/1117 400 | (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) | 00 740 | (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) | 00 740 | (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) | 30-740 | (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) | 30-740 | (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) |

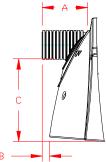


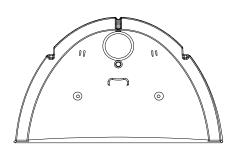
| PART# | PIPE SIZE | CHAMBER SIZE | Α | В | С | D |
|------------|---------------------------------|--------------|-----------------------|-------------------------|--------------------------|---------------------|
| 4253AN7412 | 42" x 12" in (1050 x 300 mm) | SC-740 | 171.3 in (4350 mm) | 34.6 in (879 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





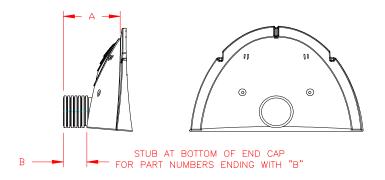
STUB AT TOP OF END CAP
FOR PART NUMBERS ENDING WITH "T"

| 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.



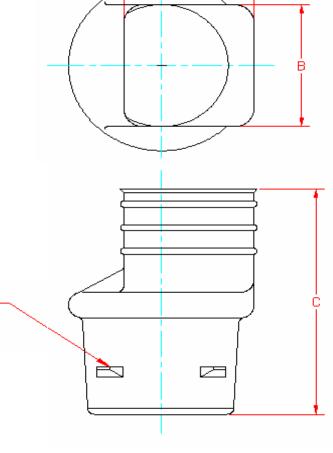
| DRAWING #: | 5700 | |
|--------------|------|----------|
| DRAWN BY: | TJR | 11.15.07 |
| APPROVED BY: | TJR | 11.15.07 |
| REVISIONS: | WLG | 8.05.08 |
| | | |
| | | |

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

SNAP CONNECTION -

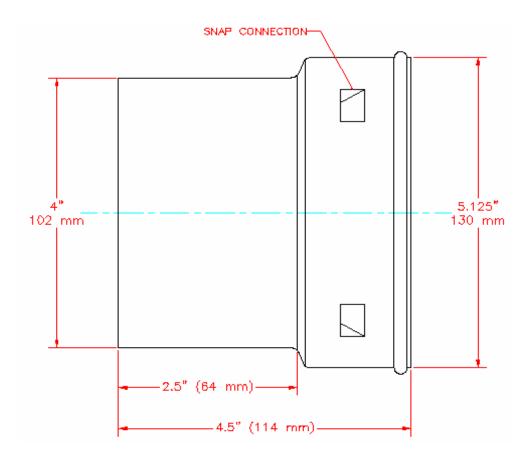




| DRAWING #: | 6000 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.20.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
| | | |
| | | |

4" SEWER AND DRAIN ADAPTER

PART # 0467AA

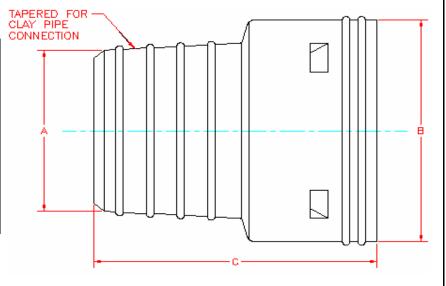


ATVANCED DRAINAGE SYSTEMS, INC.

| 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 (102 mm) | 3.9 in (99 mm) | 5.1 in (130 mm) | 4.3 in (108 mm) |
| 0562AA | 5 in (127 mm) | 4.9 in (124 mm) | 6.3 in (159 mm) | 5.0 in (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 (203 mm) | 7.8 in (197 mm) | 10.0 in (254 mm) | 5.5 in (140 mm) |

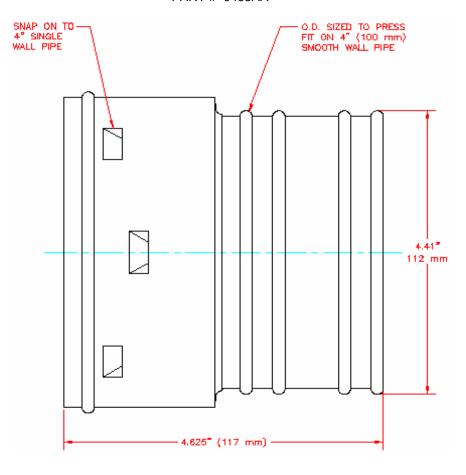




| DRAWING #: | 6015 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.20.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
| | | |
| | | · |

SEPTIC TANK ADAPTER

PART # 0463AA

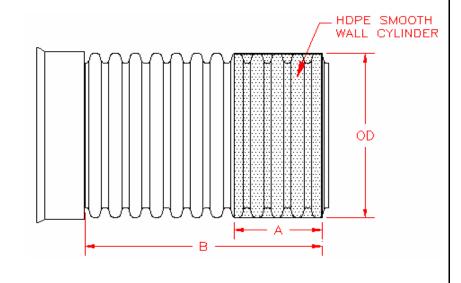


ADVANCED DRAINAGE SYSTEMS, INC.

| 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 |
| IOZZAND | (375 mm) | (368 mm) | (1184 mm) | (457 mm) |
| 1822ANB | 18 in | 18.0 in | 45.6 in | 21.8 in |
| TOZZAND | (450 mm) | (457 mm) | (1157 mm) | (552 mm) |
| 2422ANB | 24 in | 24.0 in | 47.3 in | 28.6 in |
| Z4ZZAND | (600 mm) | (610 mm) | (1200 mm) | (726 mm) |
| 3022ANB | 30 in | 24.0 in | 45.3 in | 35.9 in |
| SUZZAND | (750 mm) | (610 mm) | (1151 mm) | (913 mm) |
| 3622ANB | 36 in | 24.0 in | 46.3 in | 41.9 in |
| 3022AND | (900 mm) | (610 mm) | (1175 mm) | (1063 mm) |
| 4222ANB | 42 in | 24.0 in | 46.7 in | 48.5 in |
| 4222AND | (1050 mm) | (610 mm) | (1186 mm) | (1232 mm) |
| 4822ANB | 48 in | 24.0 in | 47.3 in | 54.7 in |
| 40ZZAND | (1200 mm) | (610 mm) | (1200 mm) | (1388 mm) |
| 6022ANB | 60 in | 30.0 in | 54.0 in | 67.5 in |
| UUZZAND | (1500 mm) | (762 mm) | (1372 mm) | (1713 mm) |



NOTE:

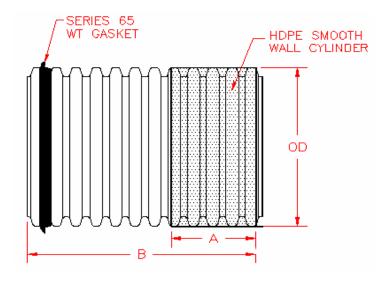
REQUIRES SERIES 65 GASKET (INCLUDED) IN FIELD TO MAKE WT CONNECTION



| 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:

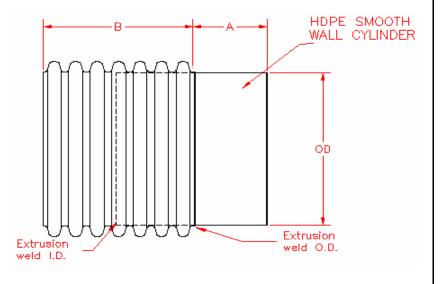
REQUIRES SERIES 65 GASKET (INCLUDED) IN FIELD TO MAKE WT CONNECTION



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

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) |

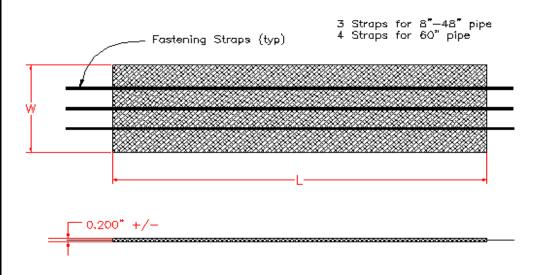




| DRAWING #: | 6055 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.20.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
| | | |
| | | |

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) |

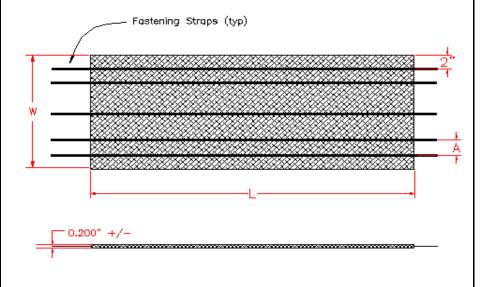




| DRAWING #: | 6060 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 03.20.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 09.26.08 |
| | | |
| | | |

12" - 60" DOUBLE WIDE FIELD REPAIR COUPLER

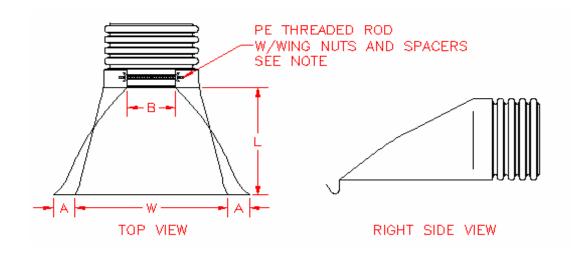
| PART# | PIPE SIZE | L | W | Α |
|----------|-----------|-----------|-----------|----------|
| 1267RCD | 12 in | 52.0 in | 12.0 in | 2.0 in |
| | (300 mm) | (1321 mm) | (305 mm) | (51 mm) |
| 1567RCD | 15 in | 62.0 in | 14.0 in | 2.6 in |
| 10071102 | (375 mm) | (1575 mm) | (356 mm) | (66 mm) |
| 1867RCD | 18 in | 75.0 in | 16.0 in | 2.8 in |
| 1007 NOD | (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 NOD | (600 mm) | (3175 mm) | (610 mm) | (114 mm) |
| 3667RCD | 36 in | 141.0 in | 30.0 in | 5.0 in |
| 3007 NOD | (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) |
| 4867RCD | 48 in | 183.0 in | 32.0 in | 5.5 in |
| 4007 NCD | (600 mm) | (4648 mm) | (813 mm) | (140 mm) |
| 6067RCD | 60 in | 222.0 in | 46.0 in | 6.8 in |
| 0007 NCD | (600 mm) | (5639 mm) | (1168 mm) | (171 mm) |

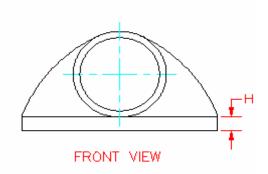




| DRAWING #: | 6065 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 01.17.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | TJR | 09.26.08 |
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FLARED END SECTIONS





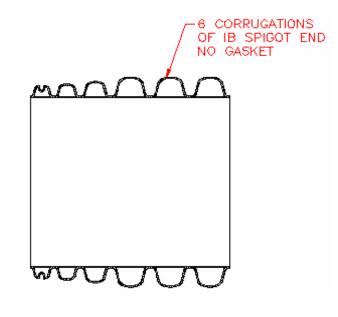
| PART# | PIPE SIZE | А | B(MAX) | Н | L | W |
|---------|-----------|----------|----------|----------|-----------|-----------|
| 1210NP | 12 in | 6.5 in | 10.0 in | 6.5 in | 25.0 in | 29.0 in |
| | (300 mm) | (165 mm) | (254 mm) | (165 mm) | (635 mm) | (737 mm) |
| 1510NP | 15 in | 6.5 in | 10.0 in | 6.5 in | 25.0 in | 29.0 in |
| 1310141 | (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 |
| 1010141 | (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 |
| 2410INI | (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 |
| 3013111 | (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 |
| 3013NF | (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 |
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DUAL WALL JOINT PUSHER

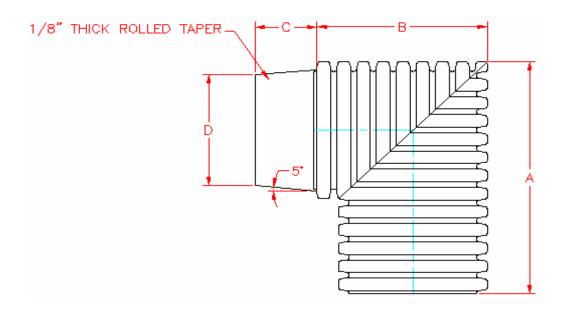
| PART# | PIPE SIZE | | |
|--------|---------------------------|--|--|
| 1208AN | 12 in (300 mm) | | |
| 1508AN | 15 in (375 mm) | | |
| 1808AN | 18 in (450 mm) | | |
| 2408AN | 24 in (600 mm) | | |
| 3008AN | 30 in (750 mm) | | |
| 3608AN | 36 in (900 mm) | | |
| 4208AN | 42 in (1050 mm) | | |
| 4808AN | 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 |
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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 |
| 0033ANOD | (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 |
| TOSSAINCD | (250 mm) | (480 mm) | (287 mm) | (140 mm) | (241 mm) |
| | | | | | |
| 1299ANCB | 12 in | 25.0 in | 17.3 in | 5.5 in | 11.8 in |

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ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #: 6090

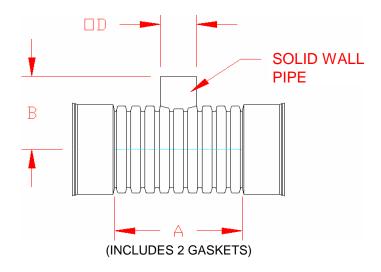
DRAWN BY: JCB 03.20.07

APPROVED BY: JCB 06.28.07

REVISIONS: NJP 06.20.07

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 |
| 1202AN03BS | (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) |

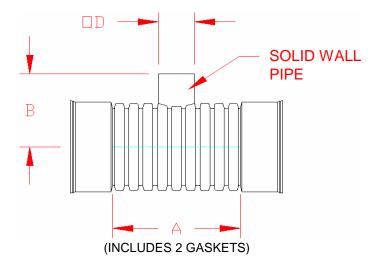




| DRAWING #: | 6100 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.07.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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REDUCING TAP TEE (ST/WT CONNECTION)

| 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 |
| 1002/110000 | (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 |
| 3001/AN03DO | (750 x 150 mm) | (725 mm) | (603 mm) | (159 mm) |
| 3062AN65BS | 30 x 8 in | 28.6 in | 23.8 in | 8.6 in |
| 3002AN03D3 | (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) |

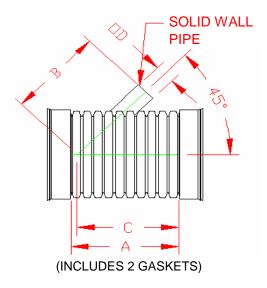




| DRAWING #: | 6100A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.07.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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REDUCING TAP WYE (ST/WT CONNECTION)

| 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) |
| 1000ANGEDC | 10 x 8 in | 19.0 in | 23.4 in | 14.5 in | 8.6 in |
| 1082AN65BS | (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) |

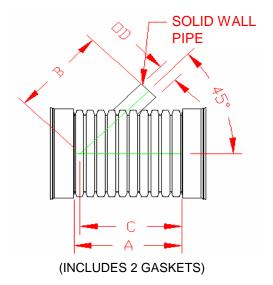




| DRAWING #: | 6105 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.07.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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REDUCING TAP WYE (ST/WT CONNECTION)

| 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 |
| 2402AN03D3 | (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 |
| SOOUAINOSES | (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 |
| | (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 |
| 3082AN65BS | (750 x 200 mm) | (1255 mm) | (851 mm) | (1074 mm) | (218 mm) |

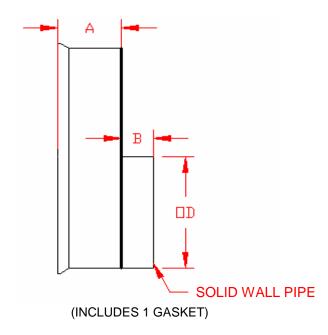




| DRAWING #: | 6105A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.07.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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TAP REDUCER (ST/WT CONNECTION)

| 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) |

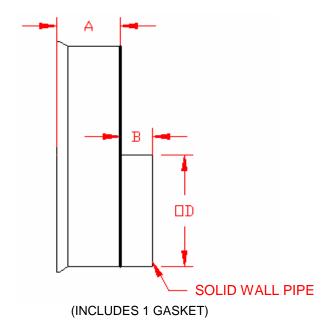




| DRAWING #: | 6110 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 05.23.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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TAP REDUCER (ST/WT CONNECTION)

| 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 17410050 | (450 x 150 mm) | (254 mm) | (150 mm) | (159 mm) |
| 1872AN65BS | 18 x 8 in | 10.0 in | 5.9 in | 8.6 in |
| 1072/110300 | (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 TAN0000 | (600 x 150 mm) | (366 mm) | (150 mm) | (159 mm) |
| 2472AN65BS | 24 x 8 in | 14.4 in | 5.9 in | 8.6 in |
| 241 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 |
| 3012AN03D3 | (750 x 200 mm) | (366 mm) | (147 mm) | (218 mm) |
| 3670AN65BS | 36 x 4 in | 15.4 in | 5.3 in | 4.3 in |
| 3010AN03D3 | (900 x 100 mm) | (391 mm) | (133 mm) | (108 mm) |
| 3671AN65BS | 36 x 6 in | 15.4 in | 5.3 in | 6.3 in |
| 307 TAIN03BS | (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) |



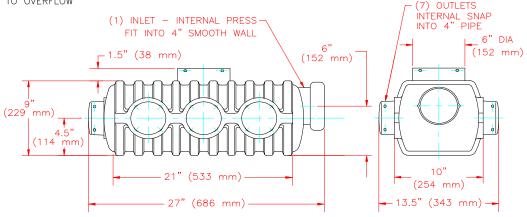


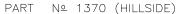
| DRAWING #: | 6110A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 05.07.07 |
| APPROVED BY: | JCB | 06.28.07 |
| REVISIONS: | NJP | 06.20.07 |
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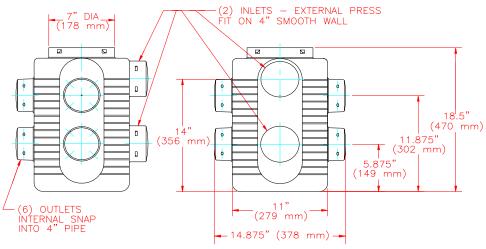
DISTRIBUTION BOXES

PART Nº 1369 (REGULAR)





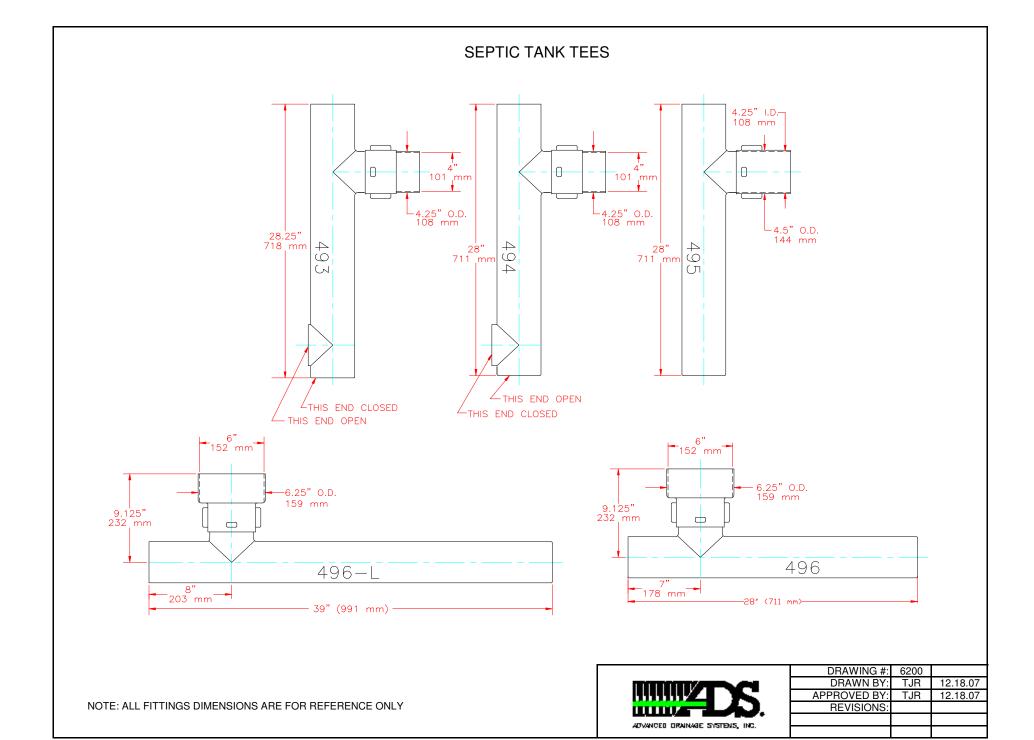




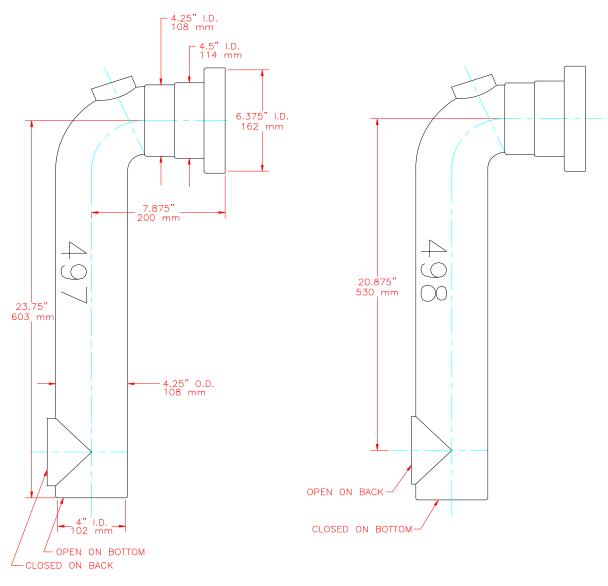
CAPACITY: 8 GALLONS (30.3 LITERS) TO OVERFLOW

ADVANCED DRAINAGE SYSTEMS, INC.

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



SEPTIC TANK ELBOWS

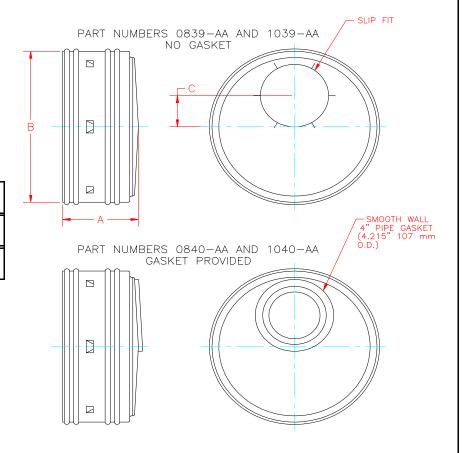




| DRAWING #: | 6250 | |
|--------------|------|----------|
| DRAWN BY: | TJR | 12.18.07 |
| APPROVED BY: | TJR | 12.18.07 |
| REVISIONS: | | |
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| | | |

SB2 ADAPTERS

| PART # | PIPE SIZE | А | 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) |

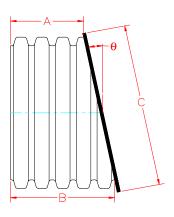


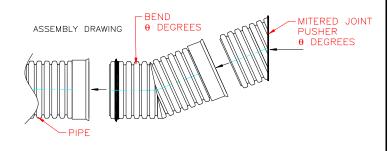


| DRAWING #: | 6300 | |
|--------------|------|----------|
| DRAWN BY: | TJR | 12.18.07 |
| APPROVED BY: | TJR | 12.18.07 |
| REVISIONS: | | |
| | | |
| | | |

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 |
| JUUGAINIVIP 22 | (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 | |
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| DRAWN BY: | TJR | 12.18.07 |
| APPROVED BY: | TJR | 12.18.07 |
| REVISIONS: | | |
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