



NOTE: PROVIDE PLASTIC COVERING TO PROTECT PIPE JOINTS FROM CONCRETE.

| DESIGN PRESSURE | PIPE DIAMETER | REACTION BACKING DIMENSIONS |        |        |        |        |       |
|-----------------|---------------|-----------------------------|--------|--------|--------|--------|-------|
|                 |               | A                           | B      | C      | D      | E      | F     |
| 150 PSI         | 16            | 5'-6"                       | 7'-9"  | 4'-2"  | 2'-2"  | —      | 3'-4" |
|                 | 12            | 4'-2"                       | 5'-11" | 3'-3"  | 1'-8"  | —      | 2'-6" |
|                 | 8             | 3'-0"                       | 4'-3"  | 2'-4"  | 1'-2"  | —      | 1'-8" |
|                 | 6             | 2'-2"                       | 3'-4"  | 1'-10" | 0'-11" | —      | 1'-3" |
| 200 PSI         | 16            | 7'-3"                       | 10'-3" | 5'-7"  | 2'-10" | 1'-6"  | 3'-4" |
|                 | 12            | 5'-7"                       | 7'-11" | 4'-3"  | 2'-2"  | 1'-2"  | 2'-6" |
|                 | 8             | 4'-0"                       | 5'-7"  | 3'-1"  | 1'-7"  | 0'-10" | 1'-8" |
|                 | 6             | 3'-1"                       | 4'-5"  | 2'-5"  | 1'-3"  | 0'-8"  | 1'-3" |
| 250 PSI         | 16            | 9'-3"                       | 13'-2" | 7'-1"  | 3'-6"  | 2'-3"  | 3'-4" |
|                 | 12            | 6'-4"                       | 8'-11" | 5'-4"  | 3'-5"  | 1'-9"  | 2'-6" |
|                 | 8             | 5'-0"                       | 6'-11" | 3'-10" | 1'-11" | 1'-3"  | 1'-8" |
|                 | 6             | 3'-10"                      | 5'-6"  | 3'-9"  | 1'-10" | 1'-1"  | 1'-3" |

## REACTION BACKING

NOT TO SCALE

REVISED 7/4/12

HORIZONTAL REACTION BACKING

PREPARED FOR:

PERKASIE REGIONAL AUTHORITY

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