



NOTES:

1. ALL JOINTS ENCOUNTERED WITHIN THE SPECIFIED RESTRAINING LENGTH (L) SHALL BE RESTRAINED FROM THE FIRST JOINT ON FITTING.
2. REFER TO STANDARD DWG. A2730 FOR JOINT RESTRAINING DETAIL AND TYPE.
3. GRANULAR THRUST BLOCKS SHALL BE FULLY EXTENDED AND COMPACTED AGAINST TRENCH WALLS. IF TRENCH WALL ARE SATURATED OR DISTURBED, SPECIAL DESIGN DETAILS OF THRUST RESTRAINT SHALL BE PROVIDED BY THE ENGINEER FOR REVIEW BY THE COMMISSION.
4. GRANULAR THRUST BLOCKS SHALL BE ENCLOSED WITH FILTER FABRIC IF GROUND WATER TABLE IS ABOVE THE TRENCH BED OR IF GROUND WATER IS SEEPING THROUGH TRENCH WALLS.
5. WHEN FITTINGS ARE PARTIALLY OR FULLY EXPOSED UNDER PRESSURE, ALL JOINTS MUST BE RESTRAINED.
6. ALL PIPE AND FITTING JOINTS SHALL BE RESTRAINED IN EARTH FILL APPLICATIONS.
7. ALL METALLIC FITTINGS AND RESTRAINERS TO BE CATHODICALLY PROTECTED AS PER DRAWING A2732 & A2733
8. ALL SIDES TO BE RESTRAINED FOR IN LINE TEES.

| PIPE DIA. | 'L' MIN. RESTRAINING LENGTH (m) |
|-----------|---------------------------------|
| 100&150 | 15.2 |
| 200 | 19.8 |
| 300 | 27.7 |

PETERBOROUGH UTILITIES COMMISSION

| TITLE | THRUST BLOCKS AND RESTRAINED JOINTS FOR P.V.C. WATERMANS, TEES, CROSSES AND DEAD ENDS | No. | REVISION | DATE |
|----------|---|----------|--------------|-------------|
| | | 1. | | |
| DRAWN BY | <i>Steve Billings</i> | SCALE | NOT TO SCALE | |
| DESIGNED | <i>[Signature]</i> | JOB COST | | DRAWING No. |
| APPROVED | <i>[Signature]</i> | DATE | 23 JULY 2008 | CADD |

A2734