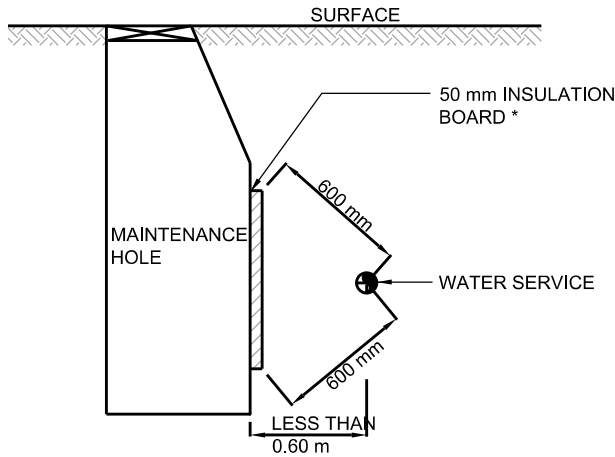
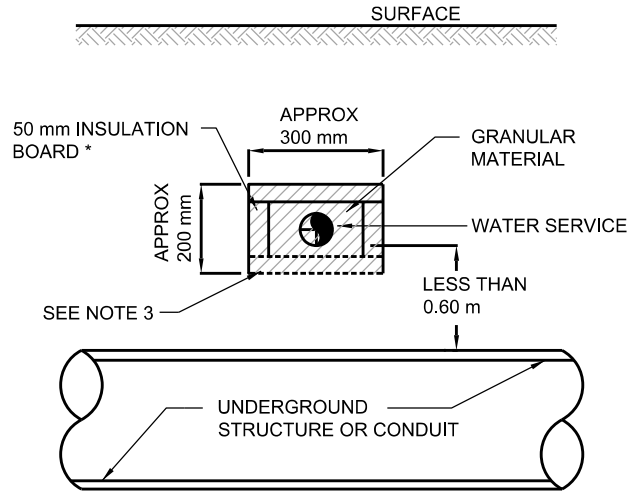


# CASE 'A' ADJACENT TO VENTILATED UNDERGROUND STRUCTURE:

FROST BARRIER:

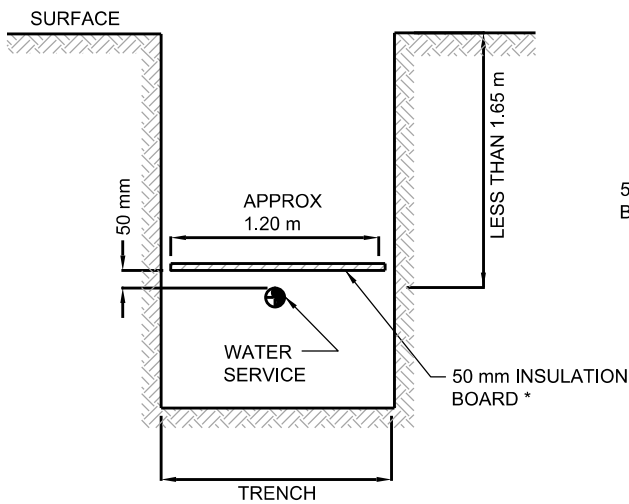


FROST BOX:

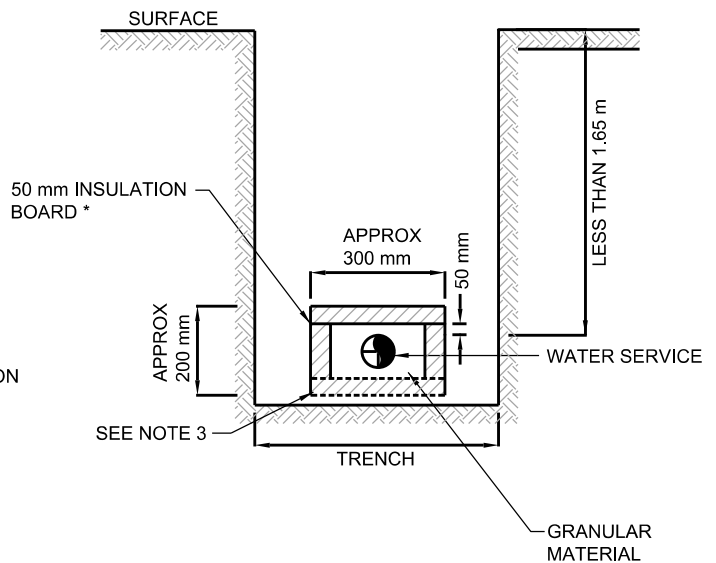


# CASE 'B' INSUFFICIENT GROUND COVER:

FROST BARRIER:



FROST BOX:



NOTES:

- WHERE THE EXISTING WATER SERVICE IS SUPPORTED ACROSS THE TRENCH, STYROFOAM BOARD IS TO BE INSTALLED BETWEEN THE SERVICE AND SUPPORT.
- \*\*\* DENOTES 50 mm EXTRUDED POLYSTYRENE INSULATION (STYROFOAM HI 60) OR APPROVED EQUIVALENT.
- INSULATION SHALL BE REQUIRED IN THE BOTTOM OF THE TRENCH WHEN CROSSING CULVERTS.
- WHERE WATER SERVICE IS A FIRE HYDRANT LEAD, THE INSUFFICIENT GROUND COVER REQUIREMENT SHALL BE INCREASED FROM LESS THAN 1.65 m TO 1.8 m FOR THE PLACEMENT OF INSULATION BOARD AND AS A FROST BARRIER.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

**INSULATION DETAILS  
FOR WATER MAIN AND SERVICE CONNECTIONS**

REV 2

NOV 2016

**T-708-01-4**

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