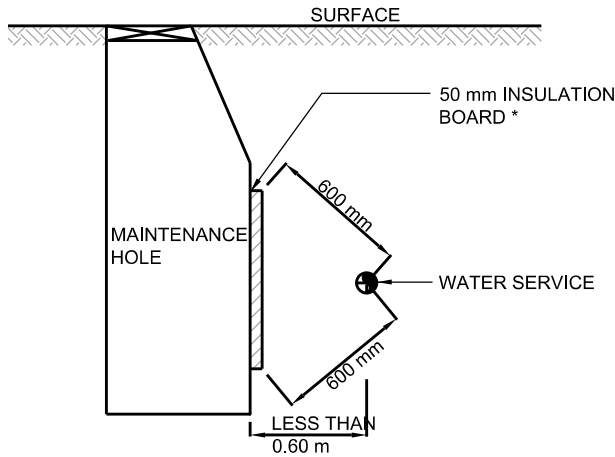
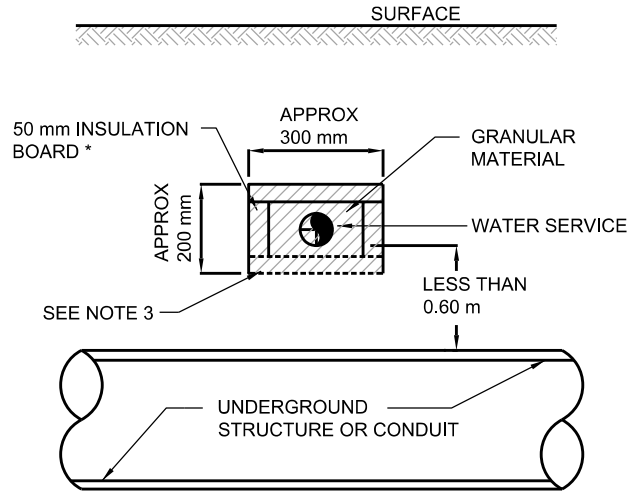


CASE 'A' ADJACENT TO VENTILATED UNDERGROUND STRUCTURE:

FROST BARRIER:

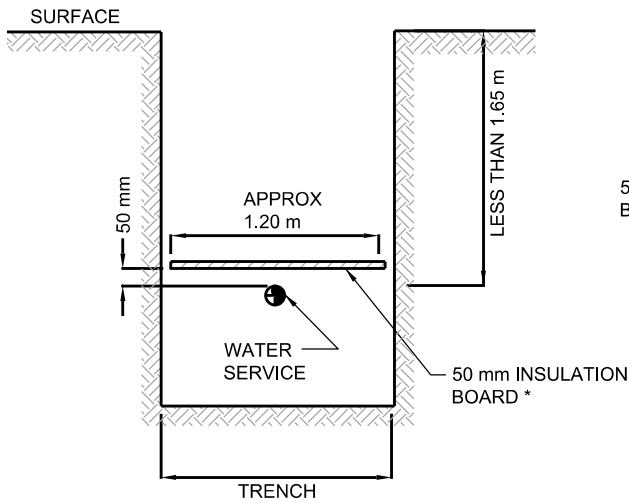


FROST BOX:

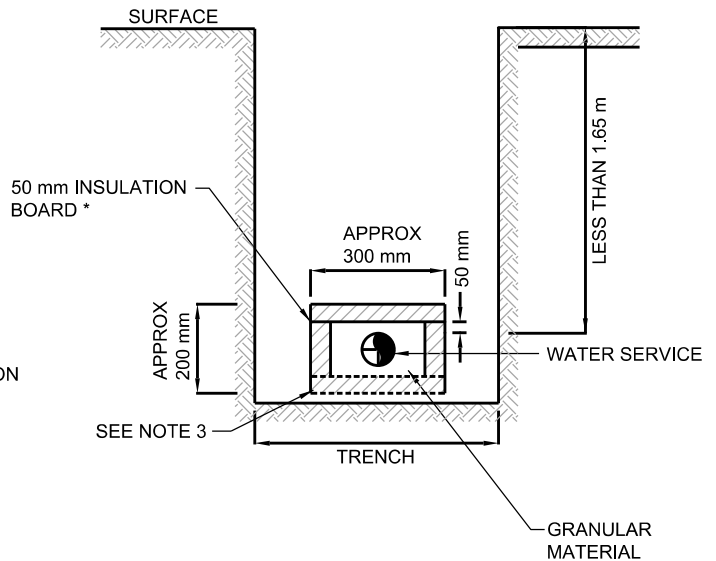


CASE 'B' INSUFFICIENT GROUND COVER:

FROST BARRIER:



FROST BOX:



NOTES:

1. WHERE THE EXISTING WATER SERVICE IS SUPPORTED ACROSS THE TRENCH, STYROFOAM BOARD IS TO BE INSTALLED BETWEEN THE SERVICE AND SUPPORT.
2. "*" DENOTES 50 mm EXTRUDED POLYSTYRENE INSULATION (STYROFOAM HI 60) OR APPROVED EQUIVALENT.
3. INSULATION SHALL BE REQUIRED IN THE BOTTOM OF THE TRENCH WHEN CROSSING CULVERTS.
4. 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

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SHEET 1