

PART TWO

DRAWINGS AND DATA CAPTURE

AND RECORDING FORMS ASSOCIATED

WITH THE DEVELOPMENT OF

GROUNDWATER RESOURCES AS PART OF THE

COMMUNITY WATER SUPPLY AND SANITATION

PROGRAMME

SECTION ONE

DRAWINGS



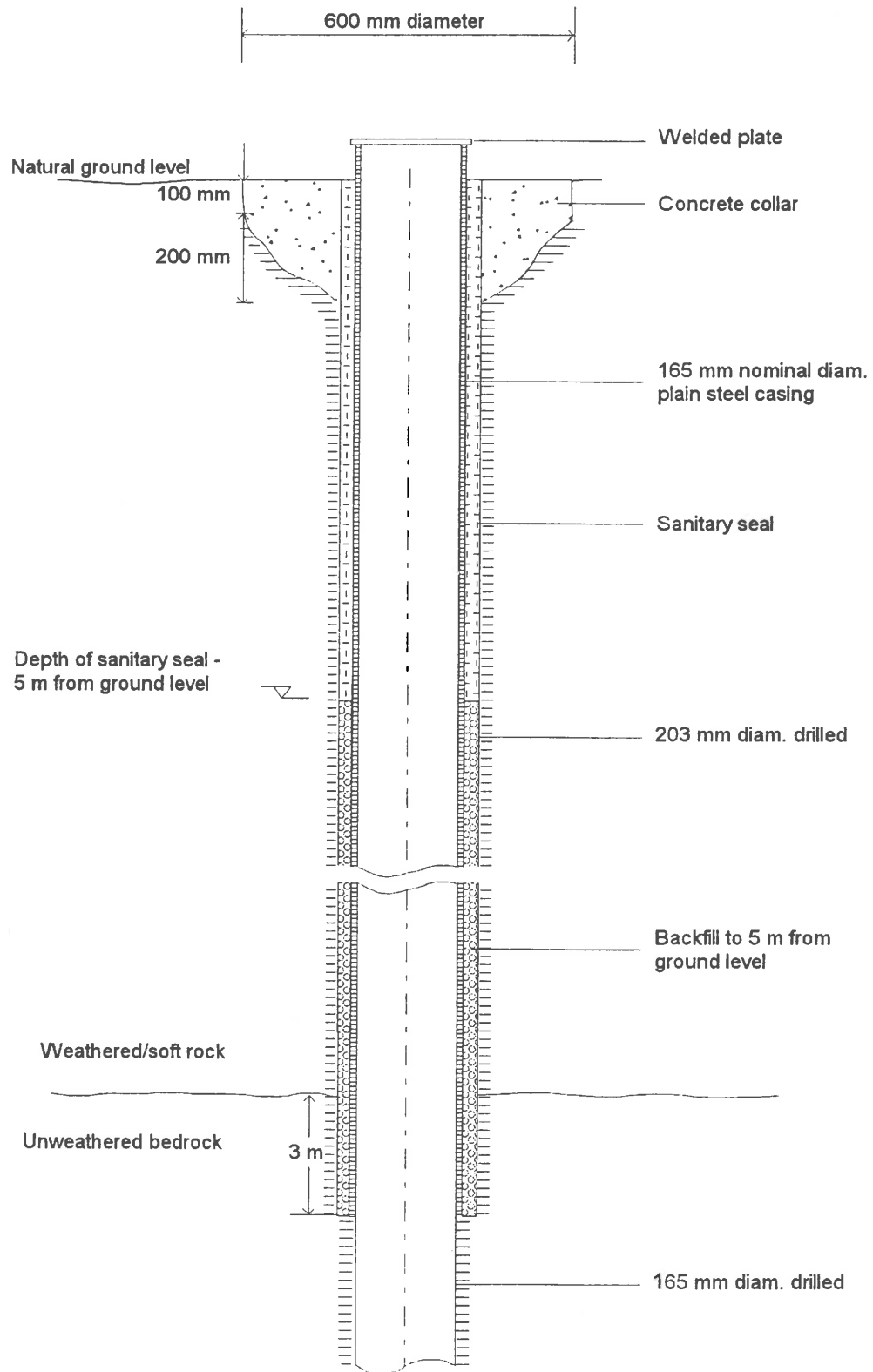
Notes:

1. Distance between adjacent sounding positions to fall in the range of 20 m to 50 m.
2. Electrode array to be oriented parallel with the strike of the target geological structure.

Sounding position.

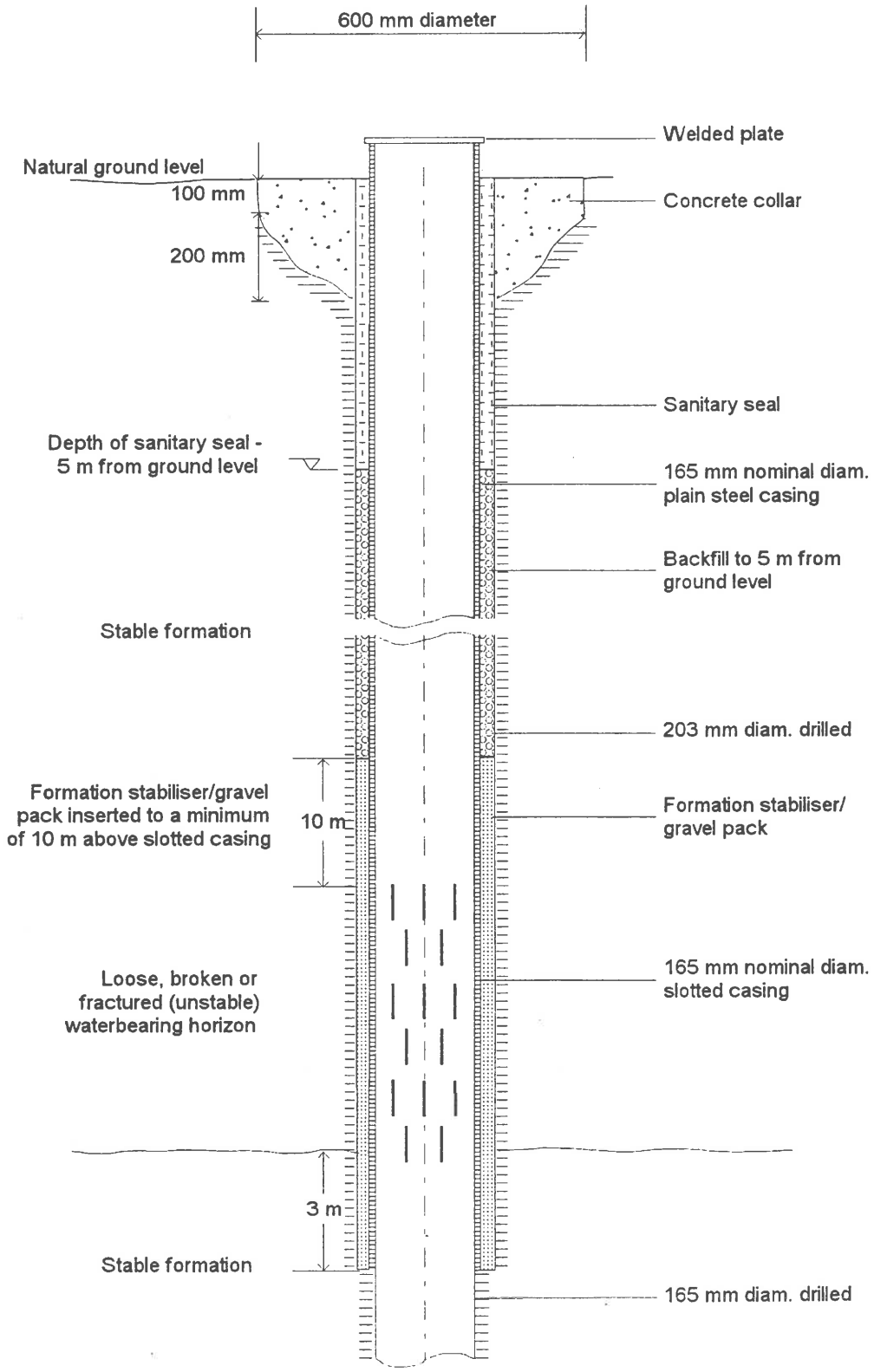
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<p><u>DEPARTMENT OF WATER AFFAIRS AND FORESTRY</u> Criteria for Groundwater Resource Development for the Community Water Supply and Sanitation Programme</p>	<p>DRAWING No. 1 Layout of Resistivity Soundings</p>
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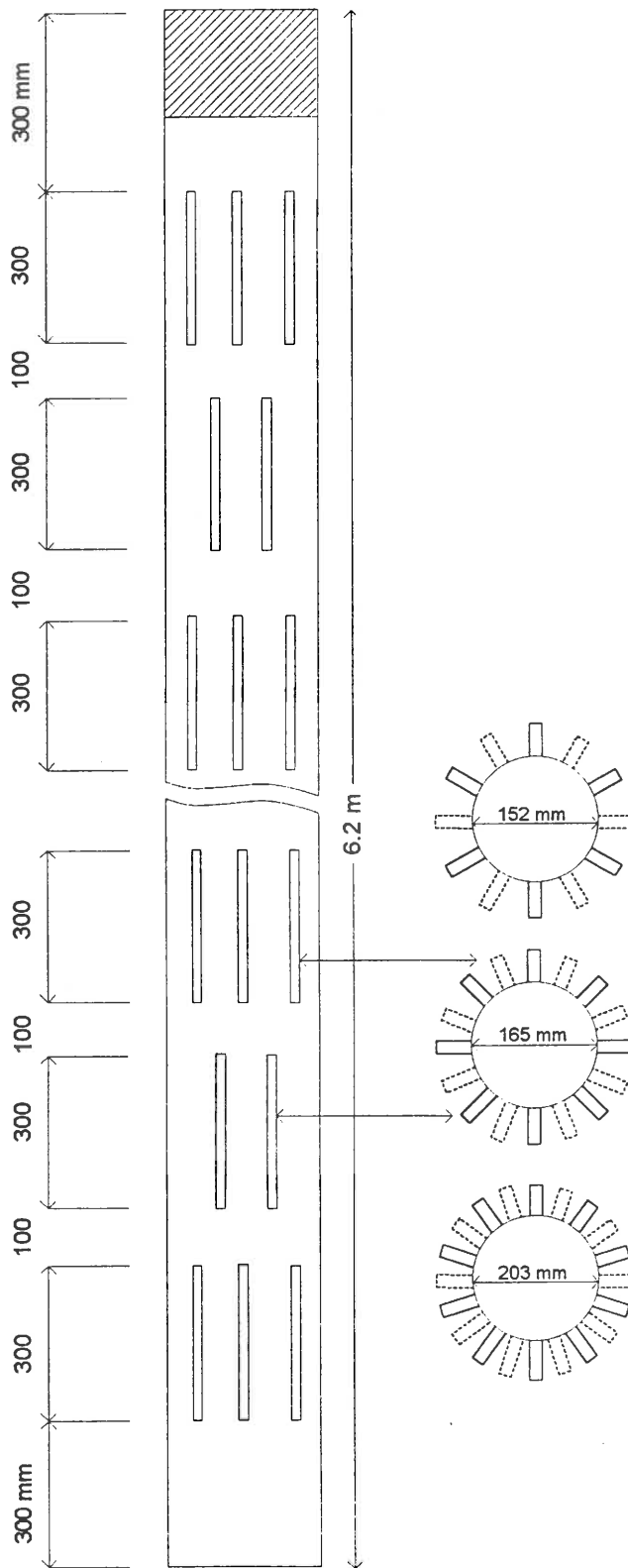
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<p>DEPARTMENT OF WATER AFFAIRS AND FORESTRY</p> <p>Criteria for Groundwater Resource Development for the Community Water Supply and Sanitation Programme</p>	<p>DRAWING No. 2</p> <p>Conceptual Borehole Design A</p>
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<p>DEPARTMENT OF WATER AFFAIRS AND FORESTRY</p> <p>Criteria for Groundwater Resource Development for the Community Water Supply and Sanitation Programme</p>	<p>DRAWING No. 3</p> <p>Conceptual Borehole Design B</p>
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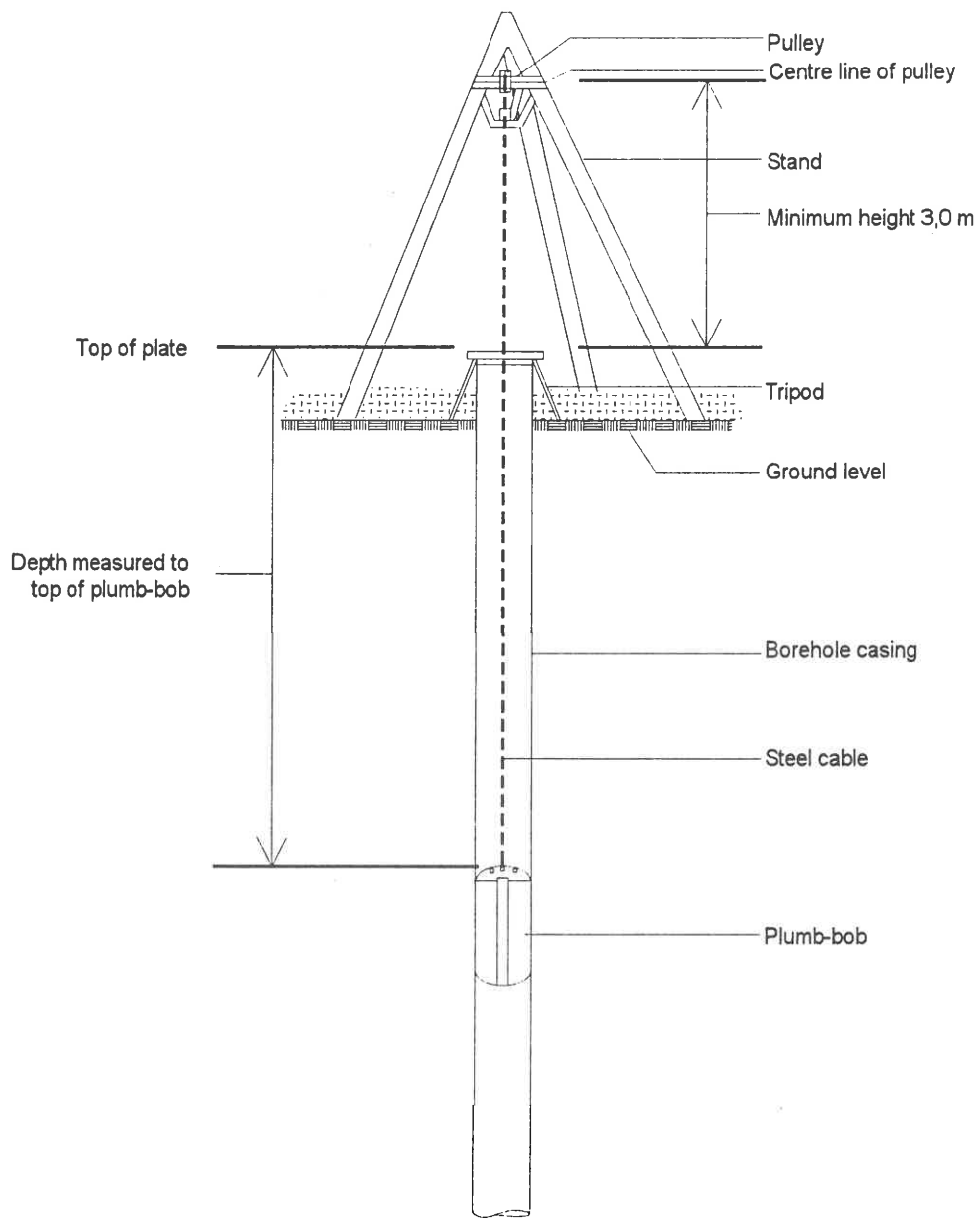
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Criteria for Groundwater Resource Development for the
Community Water Supply and Sanitation Programme

DRAWING No. 4

Typical Example of
Perforated/Slotted Steel Casing



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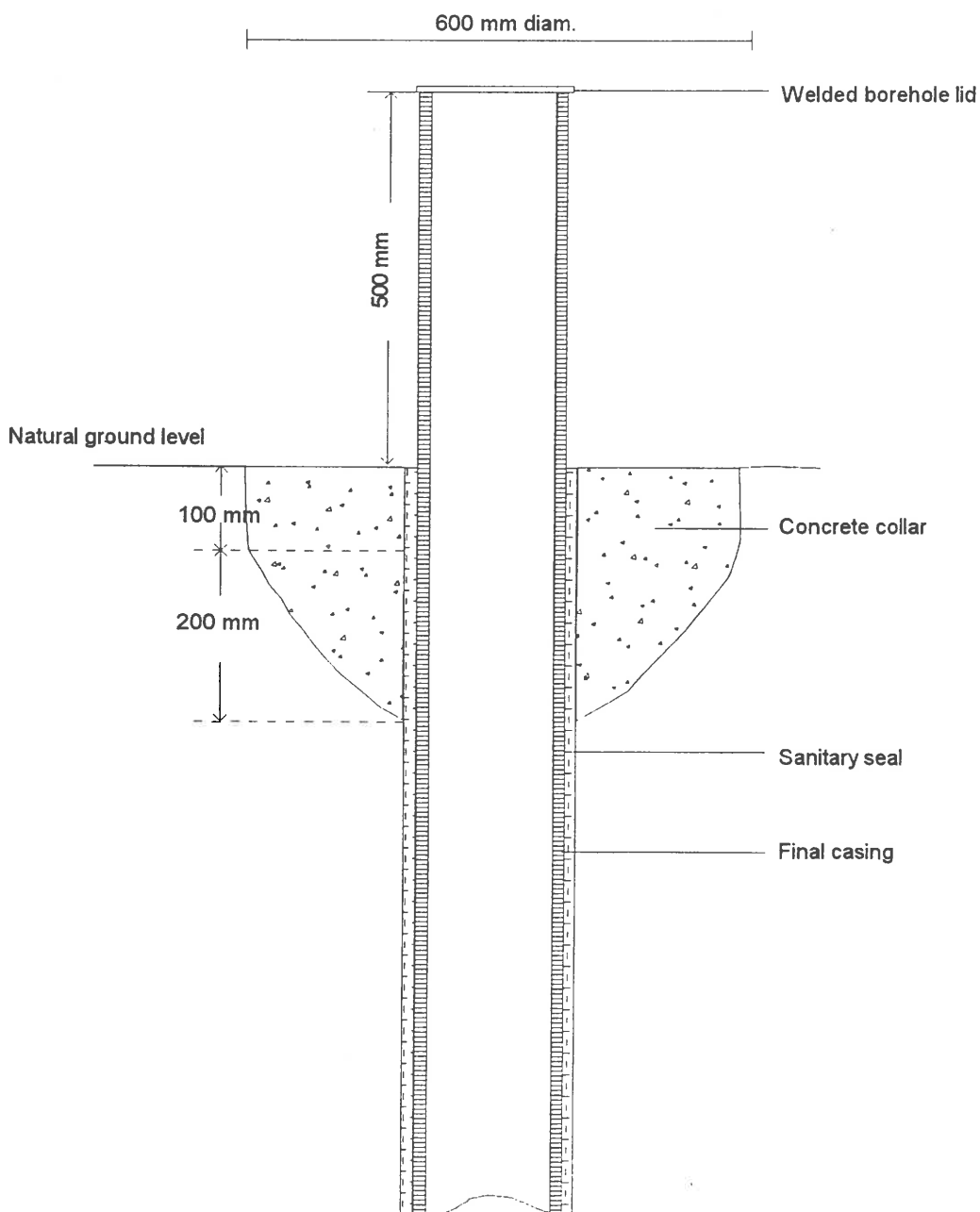
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Criteria for Groundwater Resource Development for the
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DRAWING No. 5

Verticality Test Equipment

Borehole information on casing lid



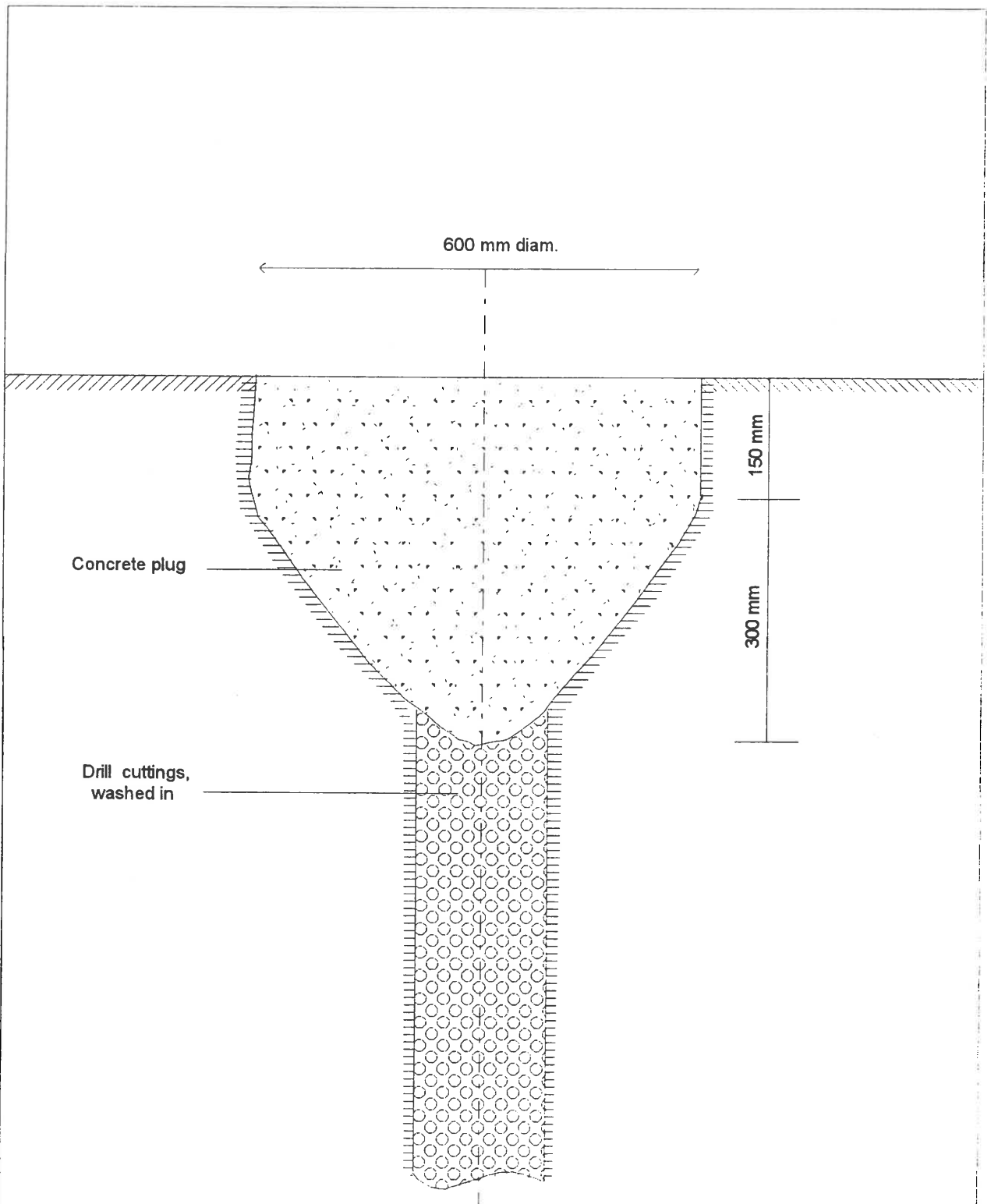
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DRAWING No. 6

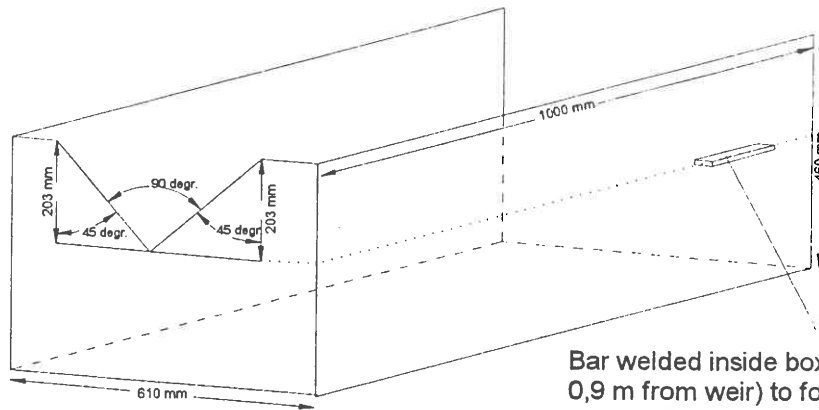
Criteria for Groundwater Resource Development for the
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Borehead Finishing Details

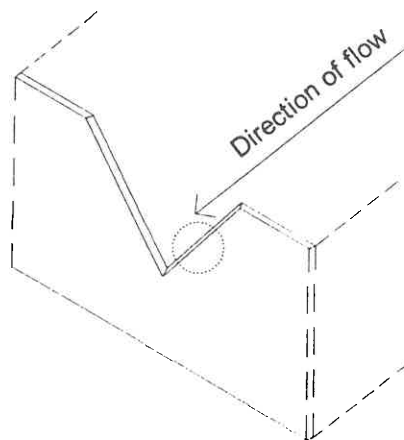


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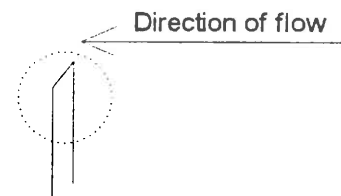
<p>DEPARTMENT OF WATER AFFAIRS AND FORESTRY</p> <p>Criteria for Groundwater Resource Development for the Community Water Supply and Sanitation Programme</p>	<p>DRAWING No. 7</p> <p>Finishing of Unsuccessful/ Abandoned Boreholes</p>
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Bar welded inside box (minimum 0,9 m from weir) to form a ridge for height-of-water over notch measurements.



DIAGONAL PERSPECTIVE



SECTION

Notes:

1. V-notch constructed of 4 - 5 mm steel plate.
2. V-notch to be cut and filed smooth at angle exactly 90 degrees. Edge of V-notch should preferably be bevelled outwards as per detail in section above.

Not To Scale

<p>DEPARTMENT OF WATER AFFAIRS AND FORESTRY Criteria for Groundwater Resource Development for the Community Water Supply and Sanitation Programme</p>	<p>DRAWING No. 8 Typical V-Notch Construction</p>
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