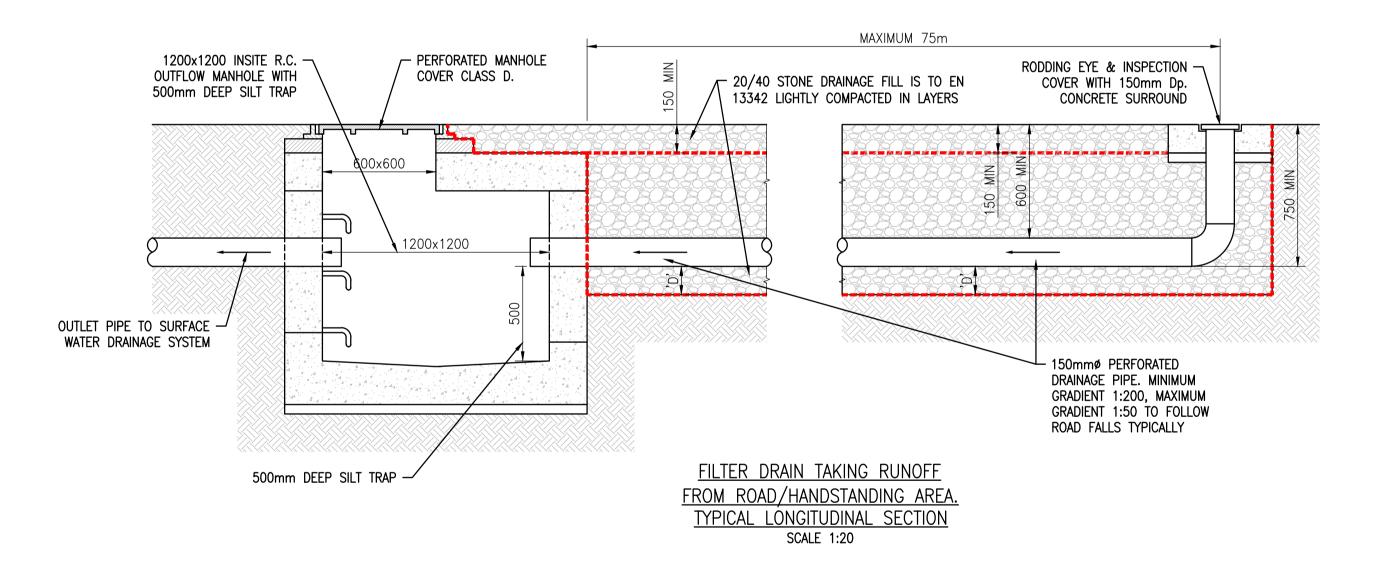
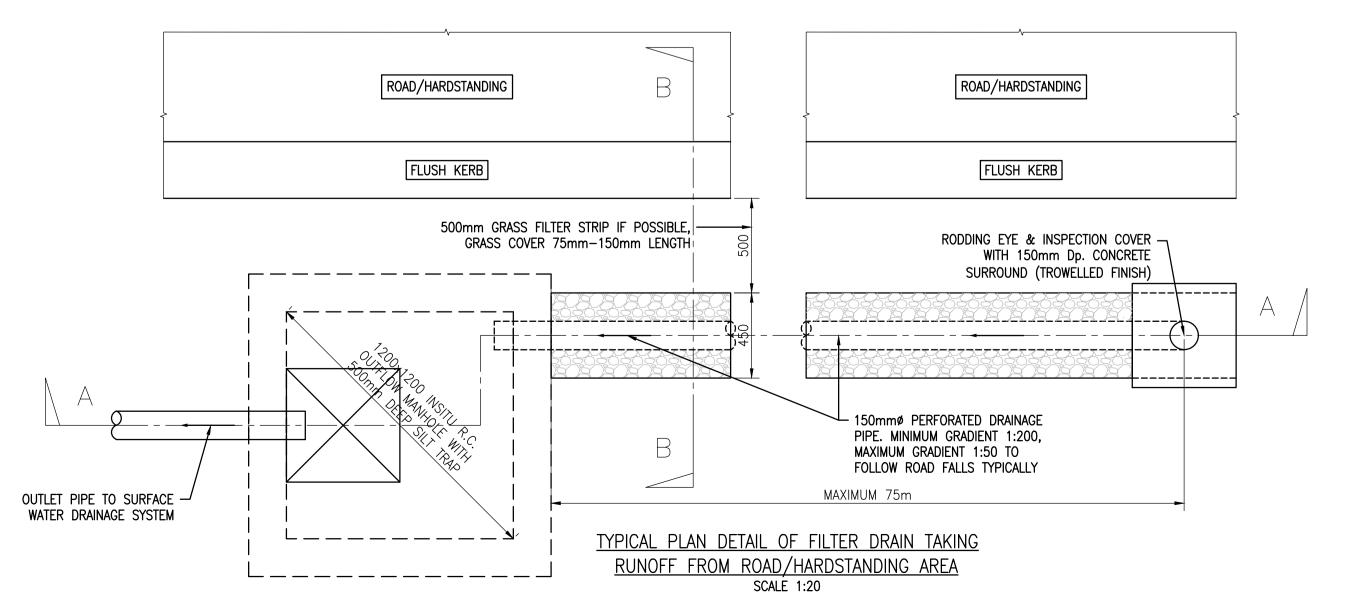


FILTER DRAIN TAKING RUNOFF FROM ROAD/HANDSTANDING AREA. TYPICAL CROSS SECTION SCALE 1:10





NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE STATED.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY

3. FILTER DRAINS LOCATED WHERE EXISTING TREES ARE LOCATED AND TREE PITS ARE NOT SUITABLE.

4. NON-WOVEN GEOTEXTILE SPECIFICATION. THE GEOTEXTILE SHALL: SUSTAIN A TENSILE LOAD OF NOT LESS THAN 5.0kn/m at break and have a minimum failure

STRAIN OF 10% WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 10319; HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO

 HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE 090 WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS LESS THAN 300 MICRONS ALLOW WATER TO FLOW THROUGH IT, IN EITHER DIRECTION, NORMAL TO ITS PRINCIPAL PLANE AT A RATE OF NOT LESS THAN 10 I/m²/s, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12958.

5. PLAN AREA OF THE BIO-RETENTION AREA SHOULD BE 2-4% OF THE OVERALL AREA DRAINED. MAXIMUM LENGTH 10m UNLESS NOTED OTHERWISE. FINAL LENGTH OF FILTER DRAIN TO BE DETERMINED WITH ARBORIST.

MAINTENANCE REQUIREMENTS FOR FILTER DRAINS:

1. REMOVE LITTER (INCLUDING LEAF LITTER) AND DEBRIS FROM FILTER DRAIN SURFACE, ACCESS CHAMBERS AND PRE-TREATMENT DEVICES ON A MONTHLY BASIS (OR AS REQUIRED).

2. INSPECT FILTER DRAIN SURFACE, INLET/OUTLET PIPEWORK AND CONTROL SYSTEMS FOR BLOCKAGES, CLOGGING, STANDING WATER AND STRUCTURAL DAMAGE ON A MONTHLY BASIS.

3. INSPECT PRE-TREATMENT SYSTEMS, INLETS AND PERFORATED PIPEWORK FOR SILT ACCUMULATION, AND ESTABLISH APPROPRIATE SILT REMOVAL FREQUENCIES ON A SIX MONTHLY BASIS.

4. REMOVE OR CONTROL TREE ROOTS WHERE THEY ARE ENCROACHING THE SIDES OF THE FILTER DRAIN, USING RECOMMENDED METHODS (e.g. NJUG, 2007 OR BS 3998:2010) AS REQUIRED AT LOCATIONS WITH HIGH POLLUTION LOADS, REMOVE SURFACE GEOTEXTILE AND REPLACE, AND WASH OR REPLACE OVERLYING FILTER MEDIUM FIVE YEARLY, OR AS REQUIRED CLEAR PERFORATED PIPEWORK OF BLOCKAGES AS REQUIRED.

PO 25/10/22 ISSUE FOR PLANNING Description

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GEDV MONKSTOWN OWNER LIMITED

RESIDENTIAL DEVELOPMENT ON LANDS OF DALGUISE HOUSE

DRAWING TITLE

TYPICAL DETAILS FILTER DRAIN

STATUS

FOR PLANNING

Date: 25/10/22 | Scale: AS SHOWN | Drawn: MB | Chk: AG | App: DG Project No: P0

W3683 W3683-DR-1029

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