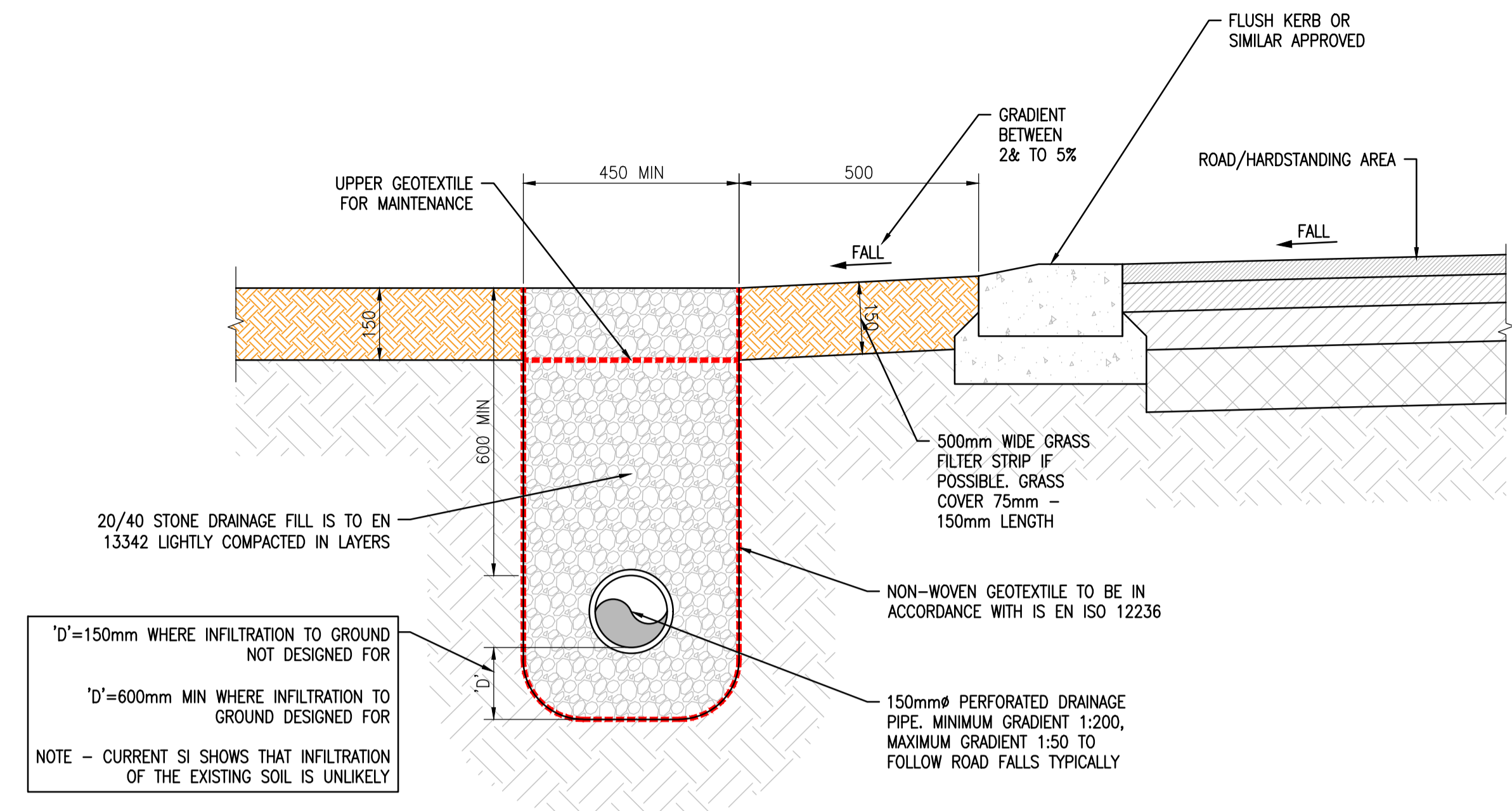
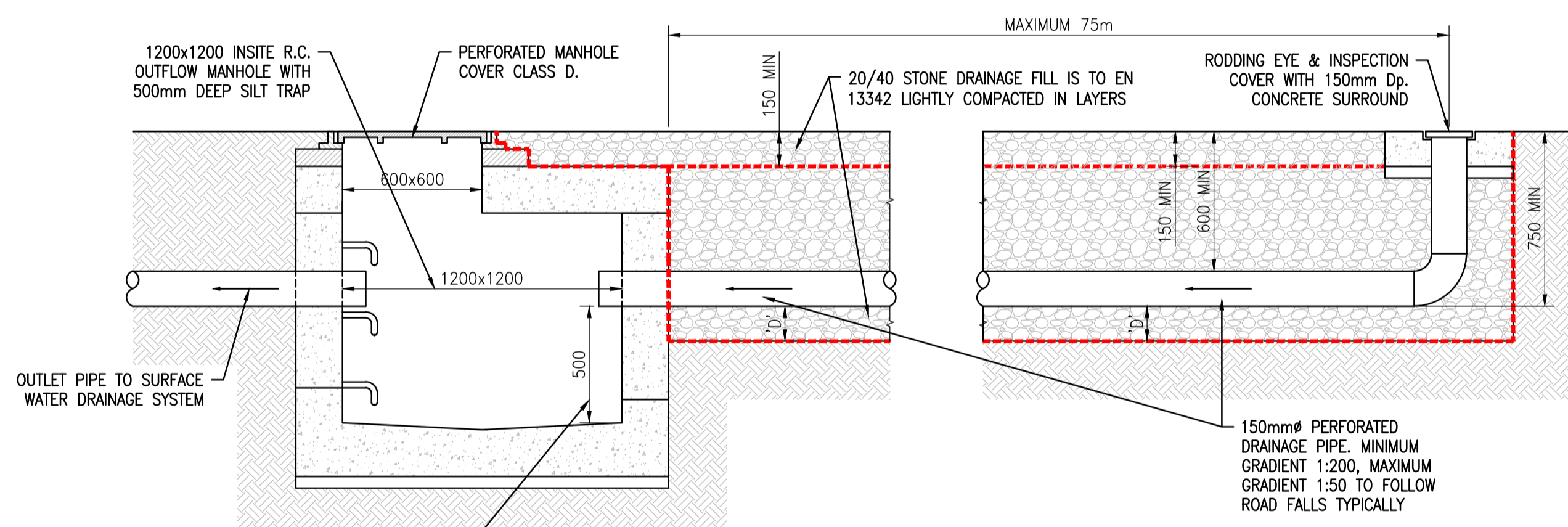


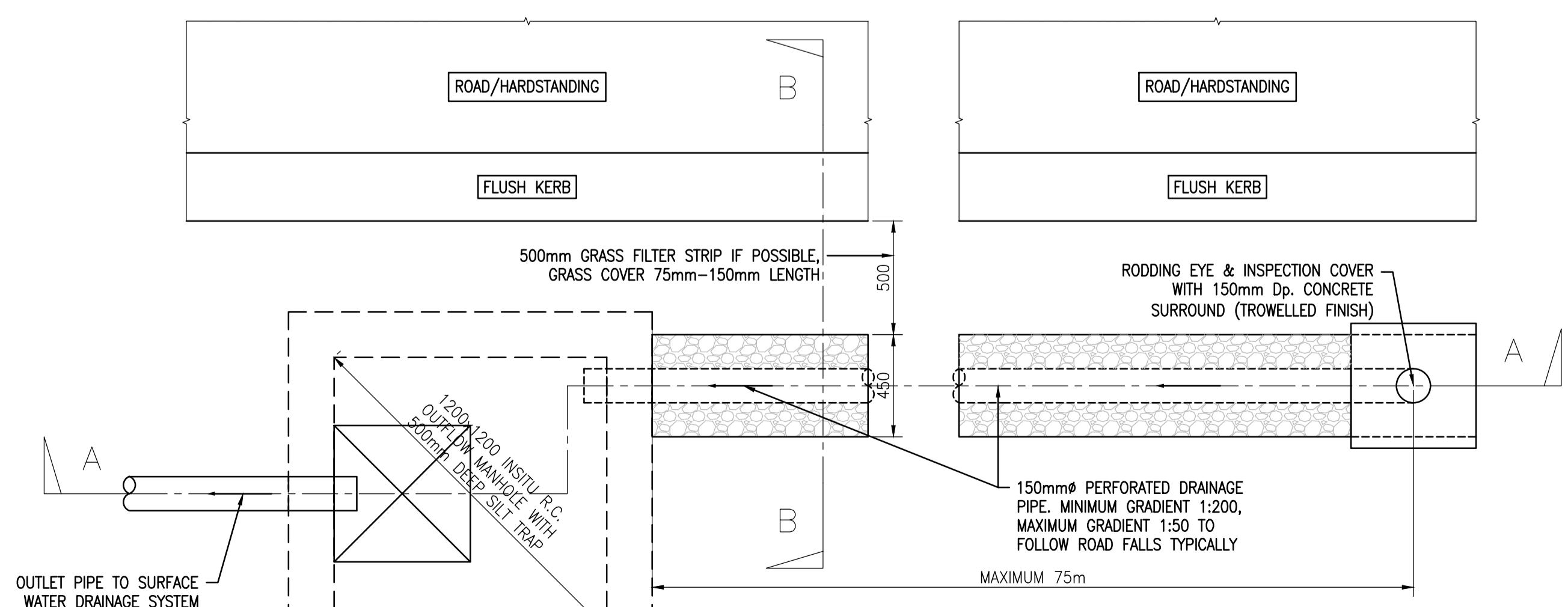
- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE STATED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS. FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT.
 - FILTER DRAINS LOCATED WHERE EXISTING TREES ARE LOCATED AND TREE PITS ARE NOT SUITABLE.
 - 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 12236;
 - 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 l/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.
 - 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:
- REMOVE LITTER (INCLUDING LEAF LITTER) AND DEBRIS FROM FILTER DRAIN SURFACE, ACCESS CHAMBERS AND PRE-TREATMENT DEVICES ON A MONTHLY BASIS (OR AS REQUIRED).
 - INSPECT FILTER DRAIN SURFACE, INLET/OUTLET PIPEWORK AND CONTROL SYSTEMS FOR BLOCKAGES, CLOGGING, STANDING WATER AND STRUCTURAL DAMAGE ON A MONTHLY BASIS.
 - INSPECT PRE-TREATMENT SYSTEMS, INLETS AND PERFORATED PIPEWORK FOR SILT ACCUMULATION, AND ESTABLISH APPROPRIATE SILT REMOVAL FREQUENCIES ON A SIX MONTHLY BASIS.
 - REMOVE OR CONTROL TREE ROOTS WHERE THEY ARE ENCRONCHING 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.



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



FILTER DRAIN TAKING RUNOFF FROM ROAD/HARDSTANDING AREA. TYPICAL LONGITUDINAL SECTION SCALE 1:20



TYPICAL PLAN DETAIL OF FILTER DRAIN TAKING RUNOFF FROM ROAD/HARDSTANDING AREA SCALE 1:20

01	07/07/23	FOR INFORMATION	SG	AG	DG
00	19/08/22	FOR INFORMATION	MB	AG	DG
Rev	Date	Description	By	Chk	App

BYRNE LOOBY
AN AYESA COMPANY

CLIENT
GEDV MONKSTOWN OWNER LIMITED

PROJECT
RESIDENTIAL DEVELOPMENT ON LANDS OF DALGUISE HOUSE

DRAWING TITLE
TYPICAL DETAILS
FILTER DRAIN

STATUS
FOR INFORMATION

Date: 19/08/22	Scale: AS SHOWN	Drawn: MB	Chk: AG	App: DG
Project No: W3683	Dwg. No: W3683-DR-1029	Rev:		01