

NOTES

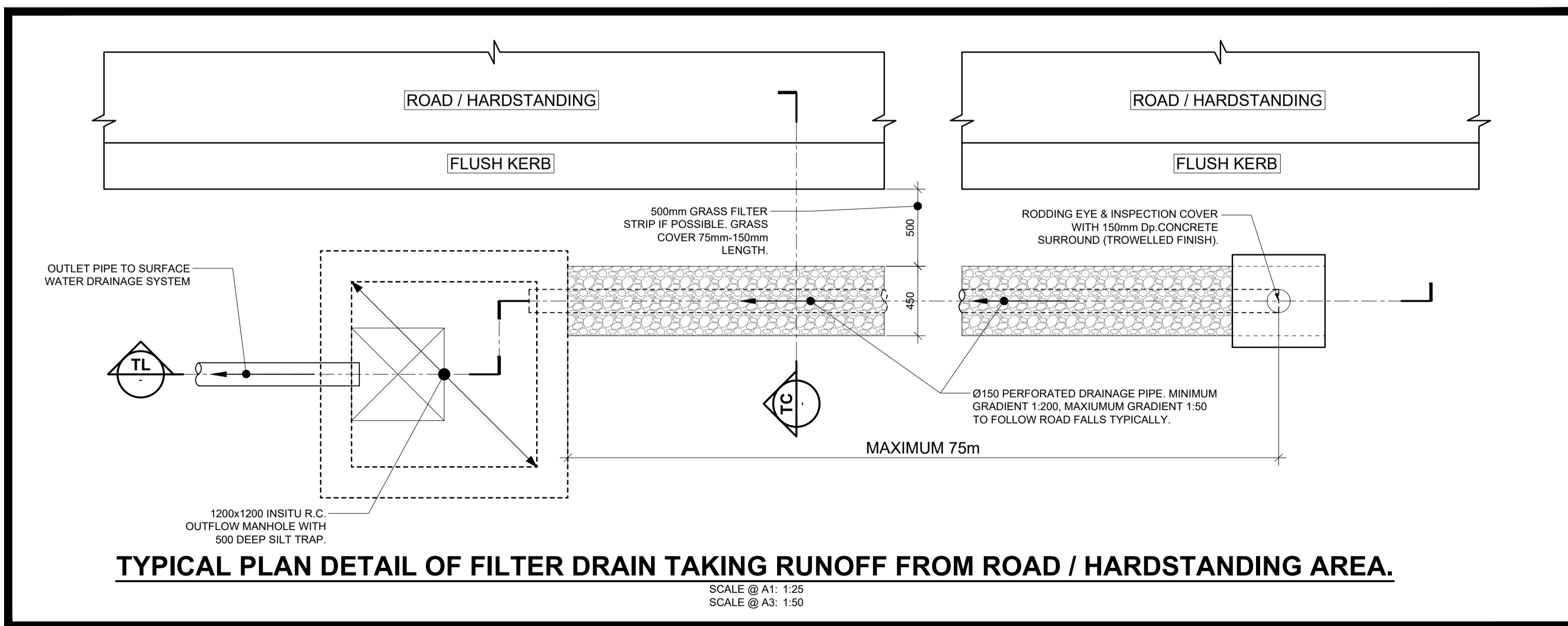
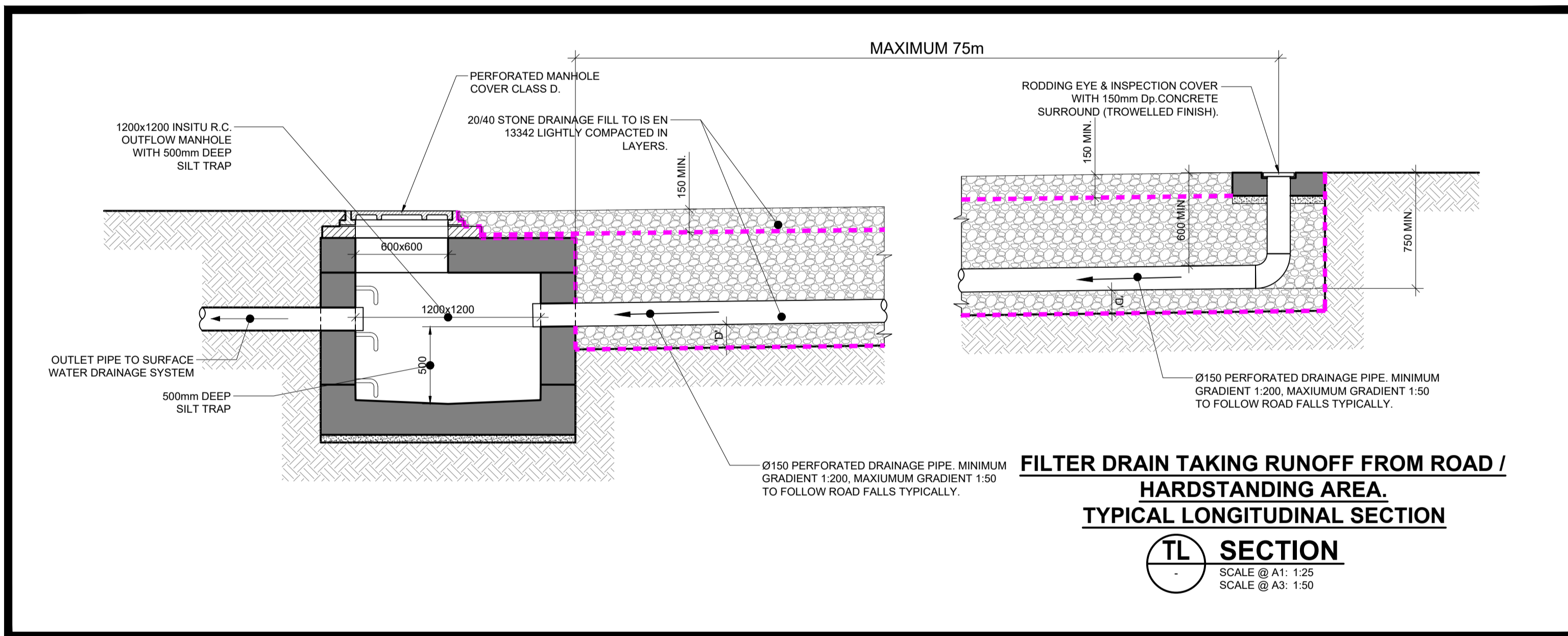
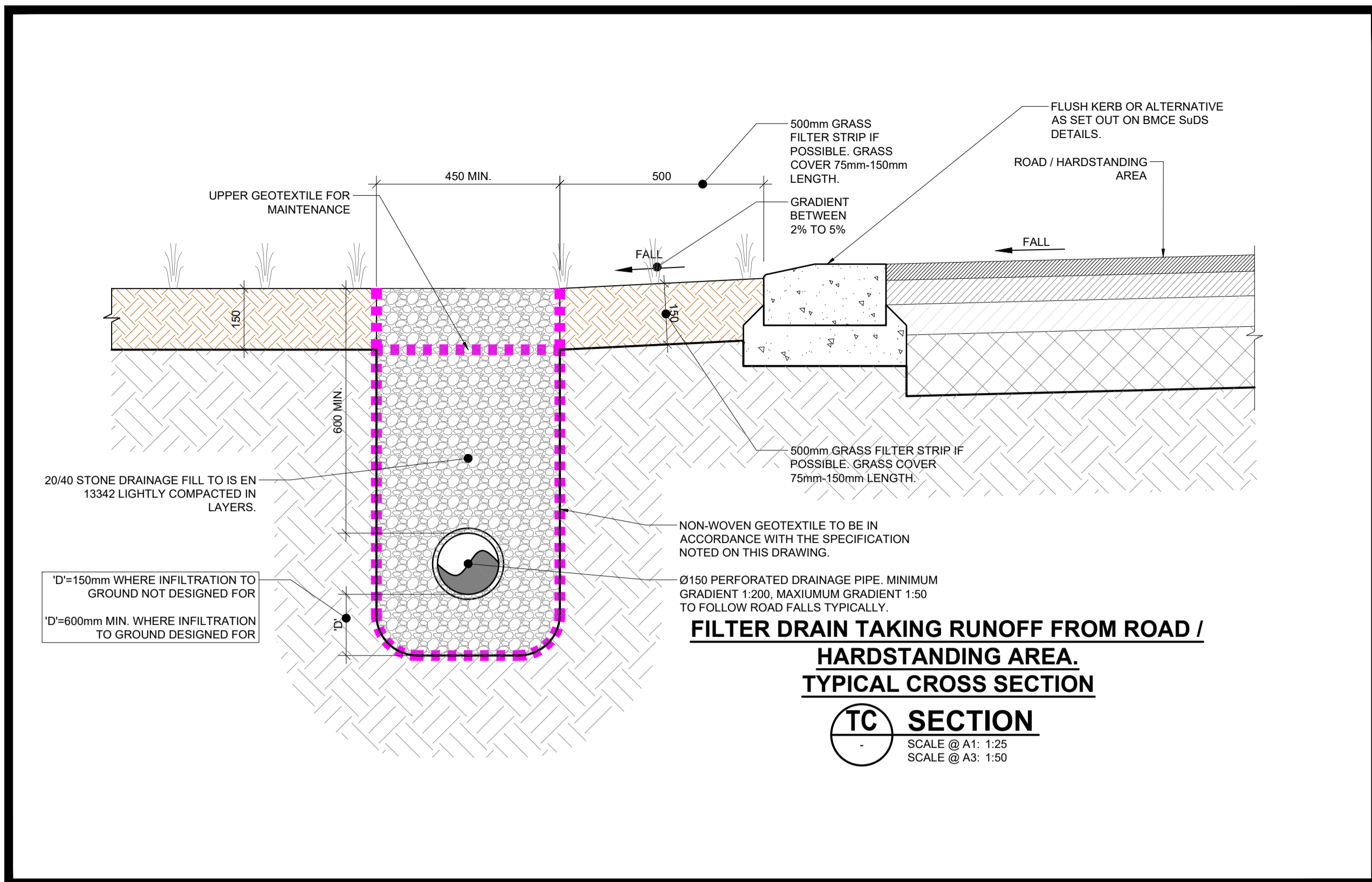
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

NOTES:

- 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 WIDTH 10m UNLESS NOTED OTHERWISE.

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 ENCRANCHING THE SIDES OF THE FILTER DRAIN, USING RECOMMENDED METHODS (e.g. NIUG, 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.



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PL4	09.03.22	ISSUED FOR COMMENT				
PL3	07.01.22	ISSUED FOR COMMENT				

PLANNING

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CLIENT LAND DEVELOPMENT AGENCY	
PROJECT TITLE DUNDRUM CENTRAL DEVELOPMENT	BM PROJECT No. 20.170
MODEL REFERENCE	MODEL REV. / SUITABILITY
DRAWING TITLE SuDS DETAILS. FILTER DRAIN TYPICAL DETAILS.	
DRAWING No. DCD-BMD-00-00-DR-C-1207	ISSUE PL4