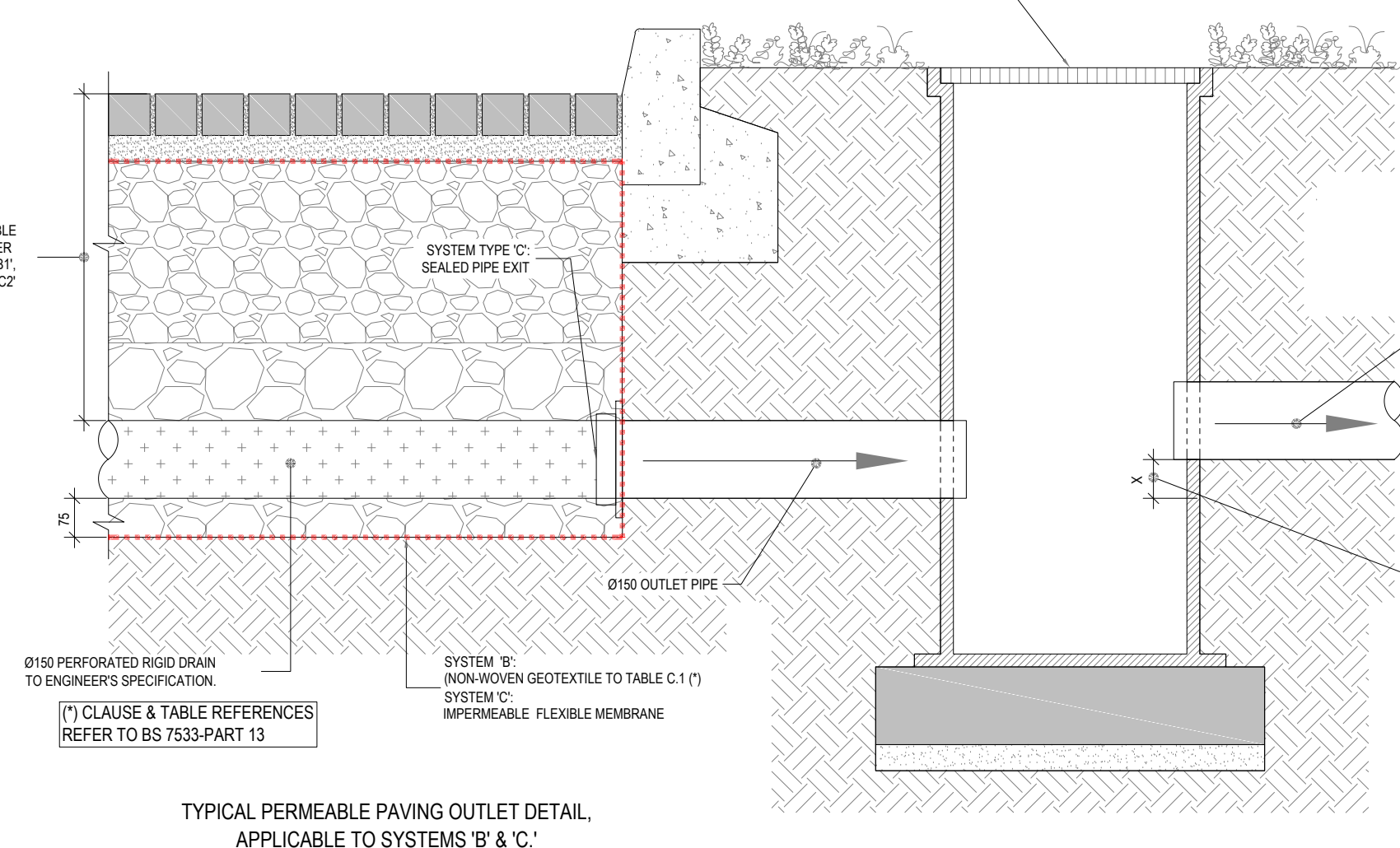
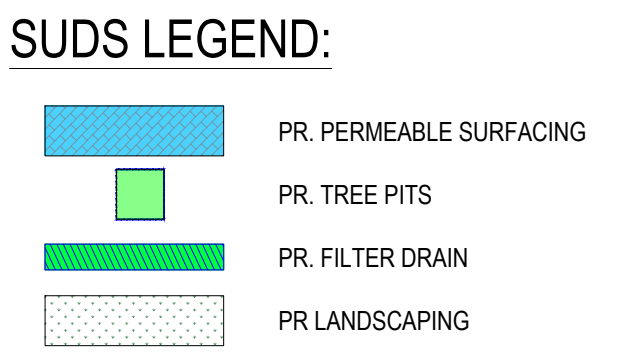
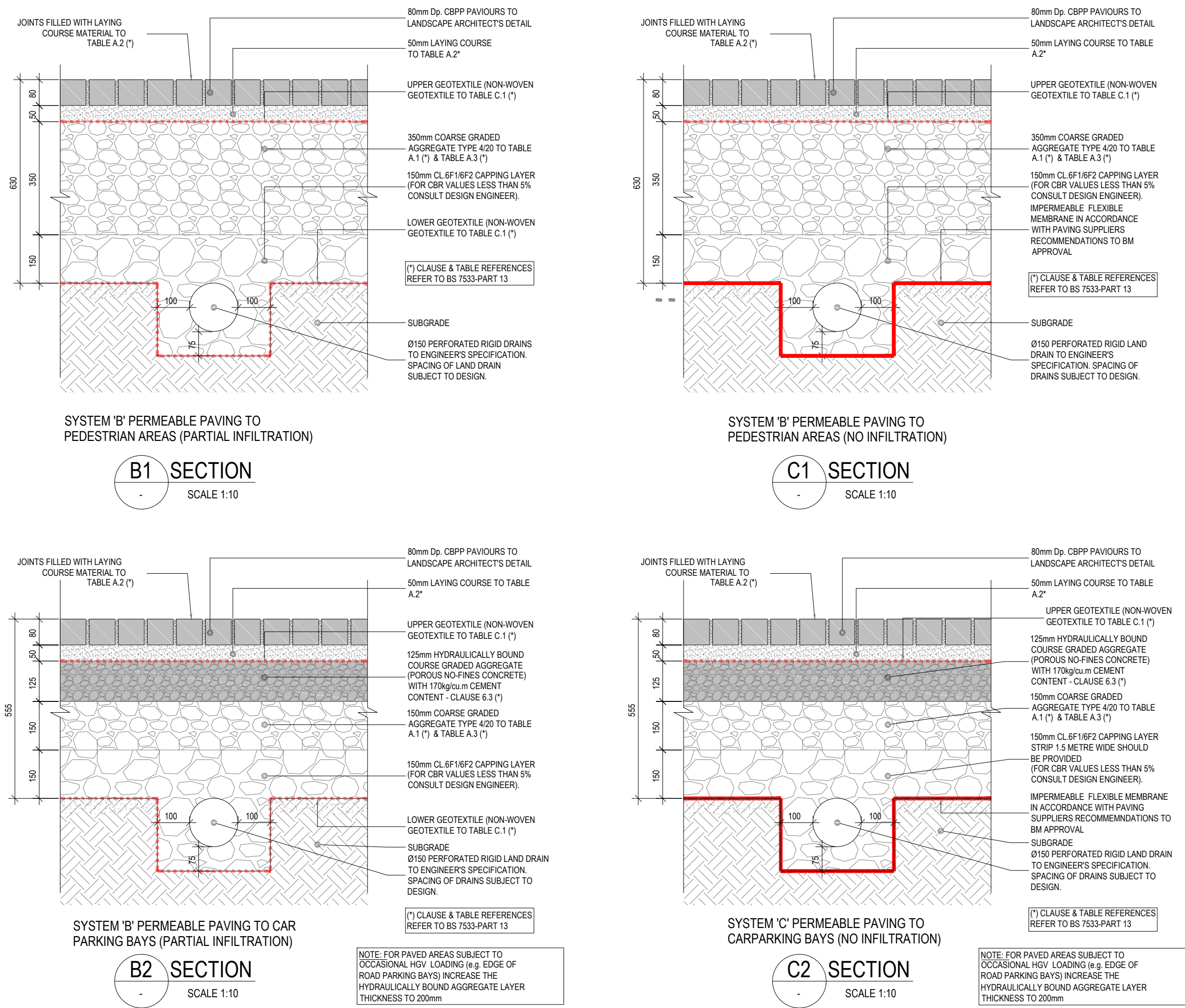
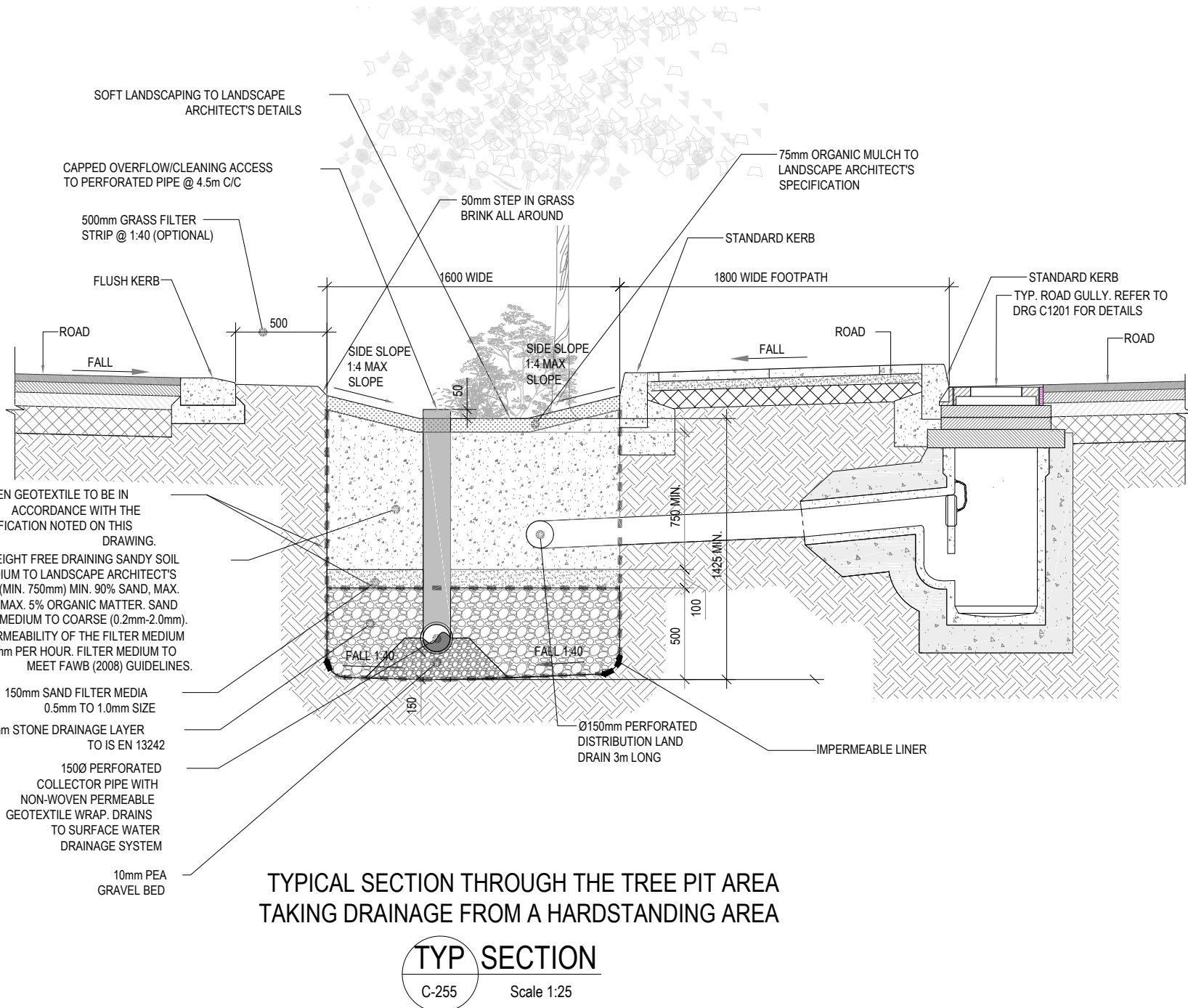
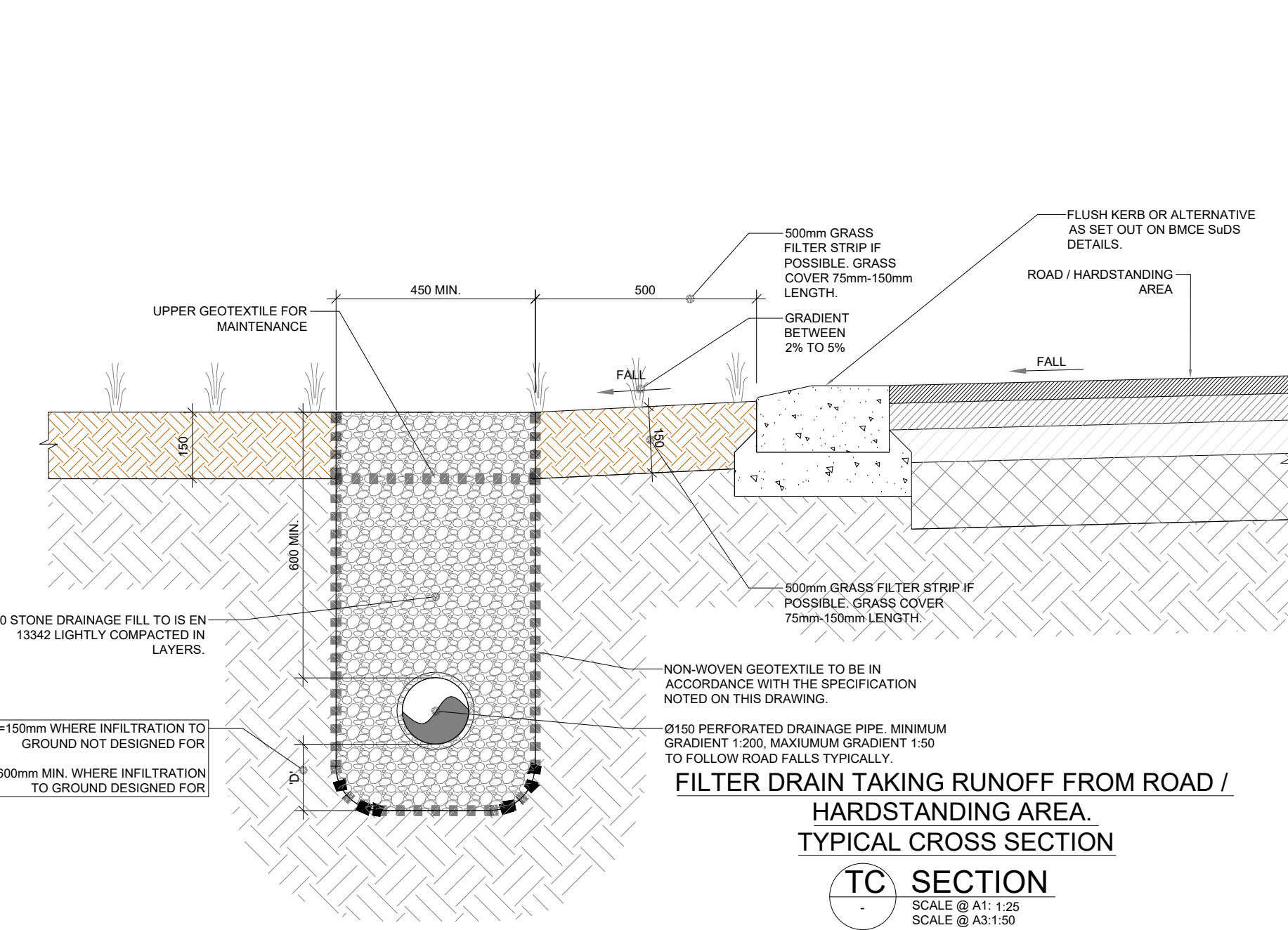




PROPOSED SUDSLAYOUT

SCALE 1:200



MAINTENANCE REQUIREMENTS FOR PERMEABLE PAVEMENTS

REGULAR MAINTENANCE
BRUSHING AND VACUUMING (STANDARD COSMETIC SWEEP OVER WHOLE SURFACE) ONCE A YEAR, AFTER AUTUMN LEAF FALL, OR REDUCED FREQUENCY AS REQUIRED, BASED ON SITE-SPECIFIC OBSERVATIONS OF CLOGGING OR MANUFACTURERS RECOMMENDATIONS. PAY PARTICULAR ATTENTION TO AREAS WHERE WATER RUN-OFF REDUCES SURFACE FROM ADJACENT IMPERMEABLE AREAS AS THIS AREA IS MOST LIKELY TO COLLECT THE MOST SEDIMENT.
STABILISE AND MOW CONTRIBUTING AND ADJACENT AREAS. FREQUENCY - AS REQUIRED.
REMOVAL OF WEEDS OR MANAGEMENT USING GLYPHOPHATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING. FREQUENCY - AS REQUIRED - ONCE PER YEAR OR LESS FREQUENTLY USED PAVEMENTS.

REMEDIAL ACTIONS
REMEDIAL ANY LANDSCAPING WHICH, THROUGH VEGETATION MAINTENANCE OR SOIL SLP, HAS BEEN RAISED TO WITHIN 50mm OF THE LEVEL OF THE PAVING. FREQUENCY - AS REQUIRED.
REMEDIAL WORK TO ANY DEPRESSIONS, RUTTING OR CRACKED OR BROKEN BLOCKS CONSIDERED DETRIMENTAL TO THE STRUCTURAL PERFORMANCE OF A HARDSTANDING, AND REPLACEMENT OF LOST JOINTING MATERIAL. FREQUENCY - AS REQUIRED.
REHABILITATION OF SURFACE AND UPPER SUBSTRUCTURE IF REMEDIAL SWEEPING FREQUENCY - EVERY 10 TO 15 YEARS OR AS REQUIRED (IF INFILTRATION PERFORMANCE IS REDUCED DUE TO SIGNIFICANT CLOGGING).

MONITORING
INITIAL INSPECTION MONTHLY FOR THREE MONTHS AFTER INSTALLATION. INSPECT FOR EVIDENCE OF POOR OPERATION AND/OR WEED GROWTH AND IF REQUIRED, TAKE REMEDIAL ACTION.
THREE MONTHLY, 48 H AFTER LARGE STORMS IN FIRST SIX MONTHS. INSPECT SILT ACCUMULATION RATES AND ESTABLISH APPROPRIATE BRUSHING FREQUENCIES.
MONITOR INSPECTION CHAMBERS ANNUALLY.

NOTE: ON THIS PROJECT TYPE 'B' SYSTEM WILL APPLY EXCEPT WITHIN 1.5m OF BUILDING FOUNDATION OR 1.5m OF THE SITE BOUNDARY.

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 10318.
HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12335.
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/h, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 500mm WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12956.
- 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. 10% AUG. 2007 OR BS 3986:04 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.

MAINTENANCE REQUIREMENTS FOR BIOTENTION SYSTEMS & TREE PITS

REGULAR INSPECTIONS
INSPECT INFILTRATION SURFACES FOR SILTING AND PONDING. RECORD DE-WATERING TIME OF THE FACILITY AND ASSESS STANDING WATER LEVELS IN UNDERDRAIN IF APPROPRIATE TO DETERMINE IF MAINTENANCE IS NECESSARY. FREQUENCY - QUARTERLY.
CHECK OPERATION OF UNDERDRAINS BY INSPECTION OF FLOWS AFTER RAIN. FREQUENCY - ANNUALLY.
ASSESS PLANTS FOR DISEASE INFECTION, POOR GROWTH, INVASIVE SPECIES ETC. AND REPLACE AS NECESSARY. FREQUENCY - QUARTERLY.
INSPECT INLETS AND OUTLETS FOR BLOCKAGE. FREQUENCY - QUARTERLY.

REGULAR MAINTENANCE
REMOVE LITTER AND SURFACE DEBRIS AND WEEDS. FREQUENCY - QUARTERLY (OR MORE, FREQUENTLY FOR TIDINESS OR AESTHETIC REASONS).
REPLACE ANY PLANTS, TO MAINTAIN PLANTING DENSITY. FREQUENCY - AS REQUIRED.
REMOVE SEDIMENT, LITTER AND DEBRIS BUILD-UP FROM AROUND INLETS OR FROM FOREBAYS. FREQUENCY - QUARTERLY TO ANNUALLY.
INFILL ANY HOLES OR SCOUR IN THE FILTER MEDIUM. IMPROVE EROSION PROTECTION IF REQUIRED. FREQUENCY - AS REQUIRED.
REPAIR MINOR ACCUMULATIONS OF SILT BY RAKING AWAY SURFACE MULCH, SCARPING SURFACE OF MEDIUM AND REPLACING MULCH. FREQUENCY - AS REQUIRED.

REMEDIAL ACTIONS

REMOVE AND REPLACE FILTER MEDIUM AND VEGETATION ABOVE. FREQUENCY - AS REQUIRED BUT LIKELY TO BE 2-3 YEARS.

ROOTSPACE SUPPORT STRUCTURE UNDER COVERED / GROLLED TREE PITS

IN ALL COVERED COVERED / GROLLED TREE PITS AND IN ALL INSTANCES WHERE THE TREE PIT SILL EXTENDS BENEATH THE FOOTPATH / PAVEMENT, A PROPRIETARY ROOTSPACE PAVEMENT SUPPORT SYSTEM BY GREENLEAF, RESLAND, OR EQUAL APPROVED, SHALL BE INTEGRATED ACROSS THE FULL EXTENT OF THE TREE PIT. REFER TO LANDSCAPE ARCHITECTS DRAWING FOR TREE PIT SILL DETAILS.

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%.
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HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12335.
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/h, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 500mm WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12956.
- PLAN AREA OF THE BIO-RETENTION AREA SHOULD BE 2-4% OF THE OVERALL AREA DRAINED. MAXIMUM WIDTH 10m UNLESS NOTED OTHERWISE.

ISSUED FOR PLANNING

S2.P02	ISSUED FOR PLANNING	21.10.2025	AK	PD
S2.P01	ISSUED FOR INFORMATION	14.10.2025	BB	PD
Rev.	Note	Date	Drawn	Check
1				
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UNIT 5C ELM HOUSE MILLENNIUM PARK NAAS CO. KILDARE				
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WWW.DONNACHADH.OBRIEN.COM				
Client: No. 1 WYCKHAM LAND LIMITED				
Project: BLOCK E, MARMALADE LANE, WYCKHAM AVENUE, DUNDUM				
Drawing Title: PROPOSED SUDS LAYOUT AND DETAILS				
Drawn By: MIF	Checked By: PD	Approved By: PD	Date: AUG 24	Scale: 1:500
Project Number: DOBA2451	Drawing Number: MLD-1-52-SW-XXX-DR-DOB-CE-002050	Status Code: S2	Rev Number: P02	Sheet Size: A0