

NOTES

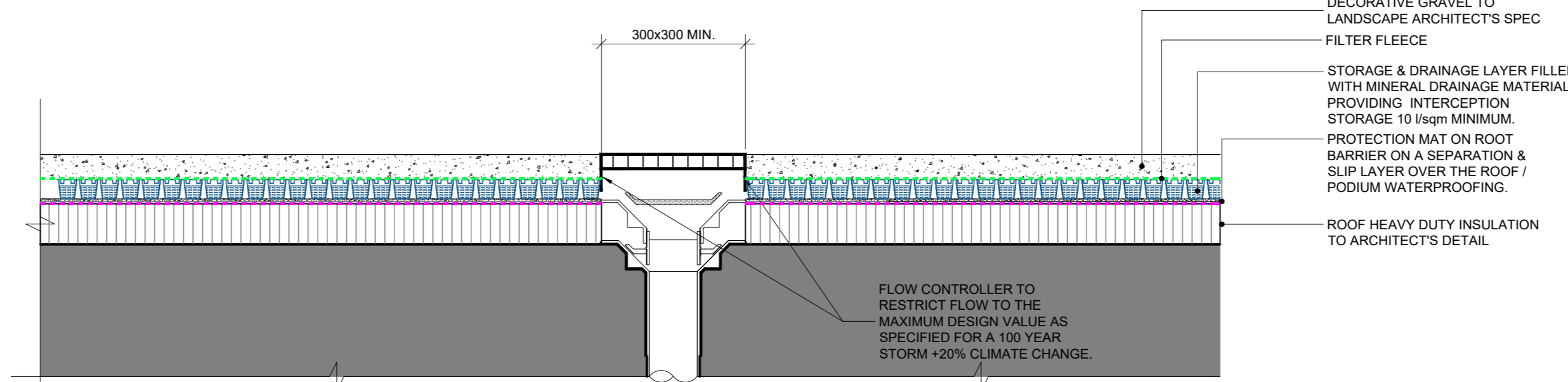
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

NOTES:
 1. DETAILED DESIGN & SPECIFICATION OF BLUE & GREEN ROOF OR PODIUM SYSTEMS BY THE SUPPLIER, SUBJECT TO APPROVAL.
 2. ALL MEMBRANES/ SHEETS TO BE UV STABILISED & ROOT PROOF.

MAINTENANCE REQUIREMENTS FOR GREEN ROOFS
REGULAR INSPECTIONS ANNUALLY AND AFTER SEVERE STORMS. INSPECT ALL COMPONENTS INCLUDING SOIL SUBSTRATE, VEGETATION, DRAINS, IRRIGATION SYSTEMS (IF APPLICABLE), MEMBRANES AND ROOF STRUCTURE FOR PROPER OPERATION, INTEGRITY OF WATERPROOFING AND STRUCTURAL STABILITY.
 INSPECT SOIL SUBSTRATE FOR EVIDENCE OF EROSION CHANNELS AND IDENTIFY ANY SEDIMENT SOURCES. INSPECT DRAIN INLETS TO ENSURE UNRESTRICTED RUNOFF FROM THE DRAINAGE LAYER TO THE CONFORMANCE OR ROOF DRAIN SYSTEM.
 INSPECT UNDERSIDE OF ROOF FOR EVIDENCE OF LEAKAGE.

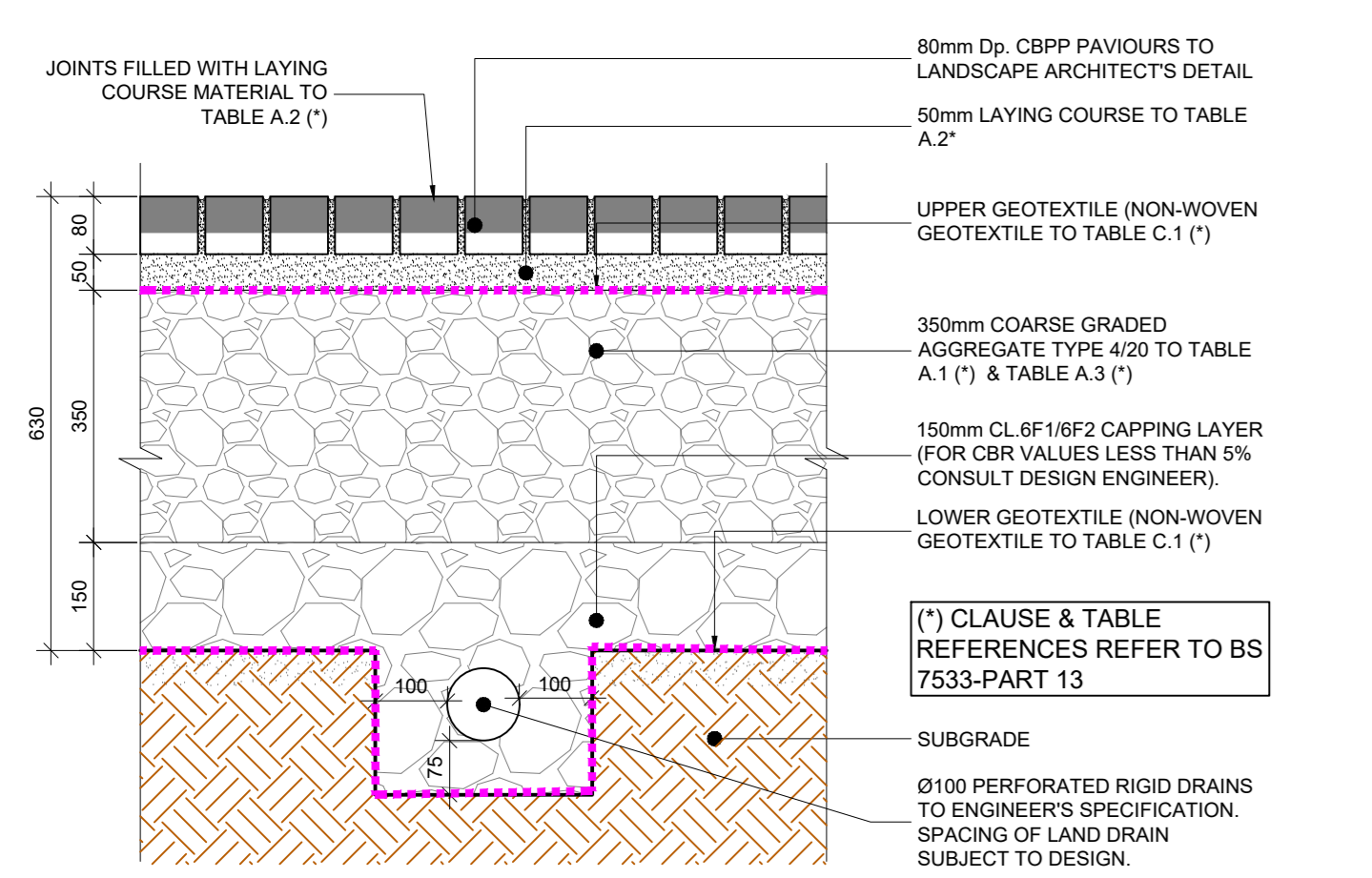
REGULAR MAINTENANCE
 REMOVE DEBRIS AND LITTER TO PREVENT CLOGGING OF INLET DRAINS AND INTERFERENCE WITH PLANT GROWTH. SIX MONTHLY AND ANNUALLY (OR AS REQUIRED) DURING ESTABLISHMENT (I.E. YEAR ONE), REPLACE DEAD PLANTS AS REQUIRED. MONTHLY (BUT USUALLY RESPONSIBILITY OF MANUFACTURER) POST ESTABLISHMENT. REPLACE DEAD PLANTS AS REQUIRED (WHERE > 5% OF COVERAGE). ANNUALLY (IN AUTUMN) REMOVE FALLEN LEAVES AND DEBRIS FROM DECIDUOUS PLANT FOLIAGE. SIX MONTHLY OR AS REQUIRED REMOVE NUISANCE AND INVASIVE VEGETATION, INCLUDING WEEDS SIX MONTHLY OR AS REQUIRED. MOW GRASSES, PRUNE SHRUBS AND MANAGE OTHER PLANTING (IF APPROPRIATE) AS REQUIRED. CLIPPINGS SHOULD BE REMOVED AND NOT ALLOWED TO ACCUMULATE. SIX MONTHLY OR AS REQUIRED.

EROSION ACTIONS
 IF EROSION CHANNELS ARE EVIDENT, THESE SHOULD BE STABILISED WITH EXTRA SOIL SUBSTRATE SIMILAR TO THE ORIGINAL MATERIAL, AND SOURCES OF EROSION DAMAGE SHOULD BE IDENTIFIED AND CONTROLLED. FREQUENCY - AS REQUIRED.
 IF DRAIN INLET HAS SETTLED, CRACKED OR MOVED, INVESTIGATE AND REPAIR AS APPROPRIATE. FREQUENCY - AS REQUIRED.



GRAVEL FINISH ON DRAINAGE BOARD (WALKWAYS OR UNDER PV PANELS)

SCALE @ A1: 1:10
 SCALE @ A3: 1:20



EXTENSIVE GREEN ROOF BUILD UP

SCALE @ A1: 1:10
 SCALE @ A3: 1:20

NOTE: THIS BUILD-UP APPLIES FOR AREAS TAKING LOADS UP TO TRAFFIC CATEGORY WHICH ALLOWS FOR EMERGENCY/ MAINTENANCE VEHICLE HOT LOADING ONLY

PERMEABLE PAVING BUILD UP TO PARKING AREAS

SCALE @ A2: 1:10
 SCALE @ A3: 1:20

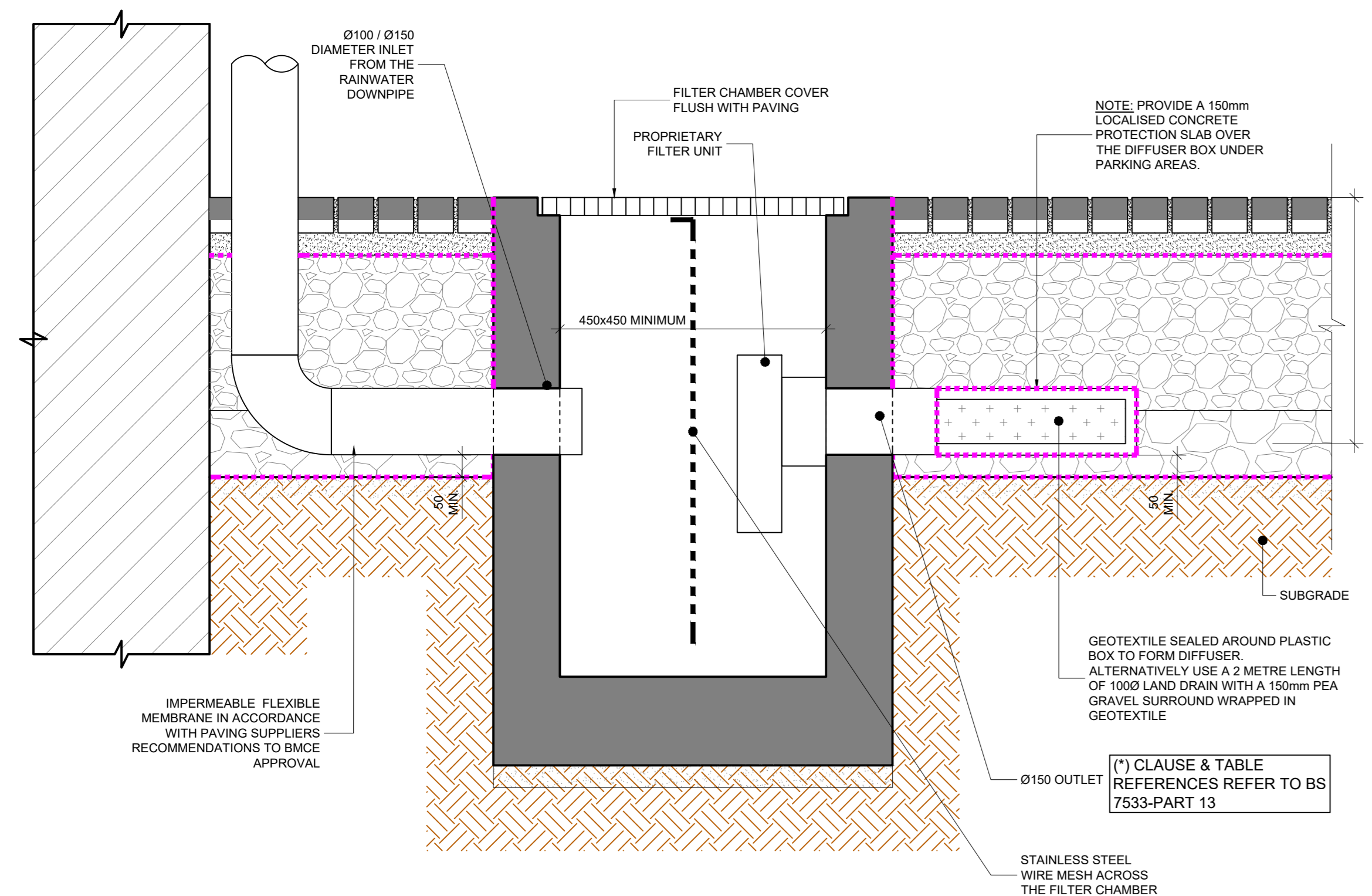
MAINTENANCE REQUIREMENTS FOR PERMEABLE PAVEMENTS

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 MANUFACTURER'S RECOMMENDATIONS - PAY PARTICULAR ATTENTION TO AREAS WHERE WATER RUNS ONTO PAVEMENT 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 GLYPHOSPHATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING. FREQUENCY - AS REQUIRED - ONCE PER YEAR ON LESS FREQUENTLY USED PAVEMENTS.

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

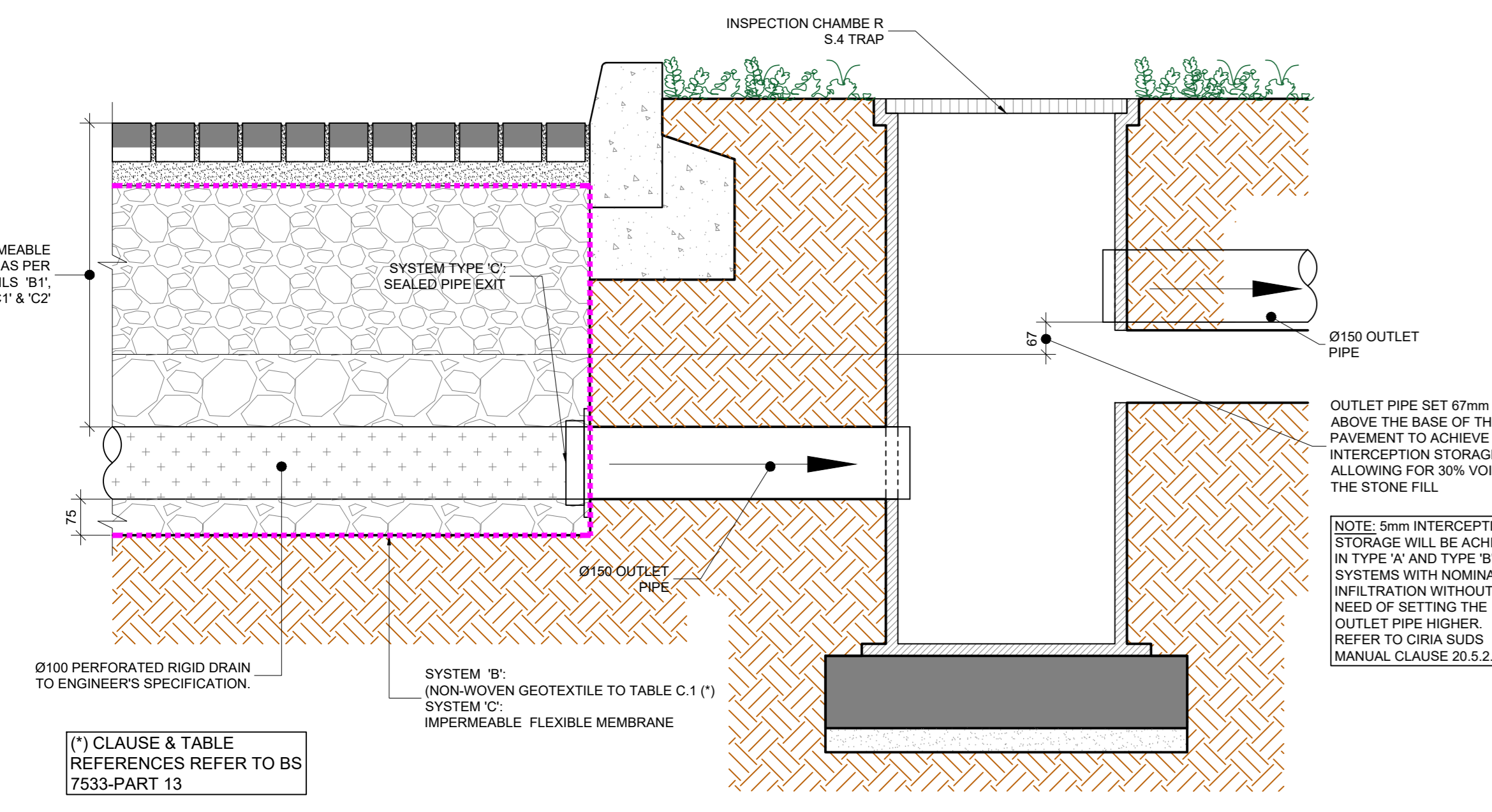
MONITORING
 INITIAL INSPECTION MONTHLY FOR THREE MONTHS AFTER INSTALLATION. INSPECT FOR EVIDENCE OF POOR OPERATION AND/OR WEED GROWTH AND IF REQUIRED, TAKE REMEDIAL ACTION.
 THREE-MONTHLY AS-HAFTER LARGE STORMS IN FIRST SIX MONTHS. INSPECT SILT ACCUMULATION RATES AND ESTABLISH APPROPRIATE BRUSHING FREQUENCIES.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

NOTE: FOR PERMEABLE PAVED AREAS WITHIN 1.5m OF BUILDING FOUNDATIONS OR 1.5 METRES OF THE SITE BOUNDARY, AN IMPERMEABLE MEMBRANE STRIP 1.5m WIDE SHOULD BE PROVIDED I.E. TYPE B1 OR B2 DETAILS WILL APPLY LOCALLY.



PERMEABLE PAVING ROOF RAINWATER PIPE INLET DETAIL

SCALE @ A2: 1:10
 SCALE @ A3: 1:20



PERMEABLE PAVING OUTLET DETAIL

SCALE @ A2: 1:10
 SCALE @ A3: 1:20

PL1	19.03.24	ISSUED FOR PLANNING	AM
ISSUE	DATE	DESCRIPTION	BY
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ACEI
 The Institution of Structural Engineers
 Chartered Institution of Civil Engineers

CLIENT: **ARDSTONE HOMES LIMITED**

PROJECT TITLE: **CARRIGMORE WOODS** BM PROJECT No: **21.226**

DRAWING TITLE: **Suds DETAILS: PERMEABLE PAVING & GREEN ROOF**

DATE	REFERENCE	SUITABILITY	REVISION
DATE	DRAWING REFERENCE	STATUS	REVISION
	CWD-BMCE-ZZ-ZZ-DR-C-12300		PL1