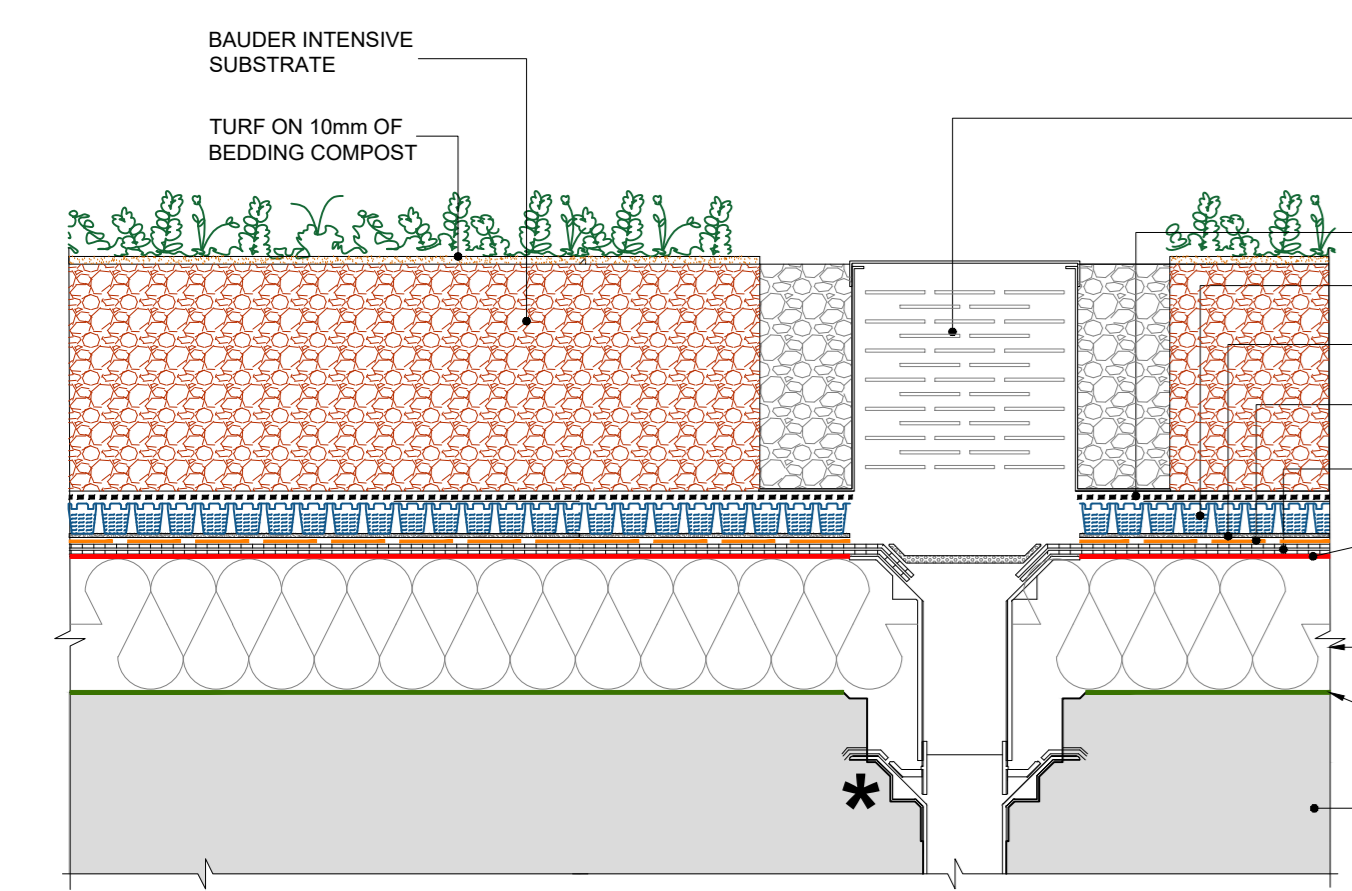
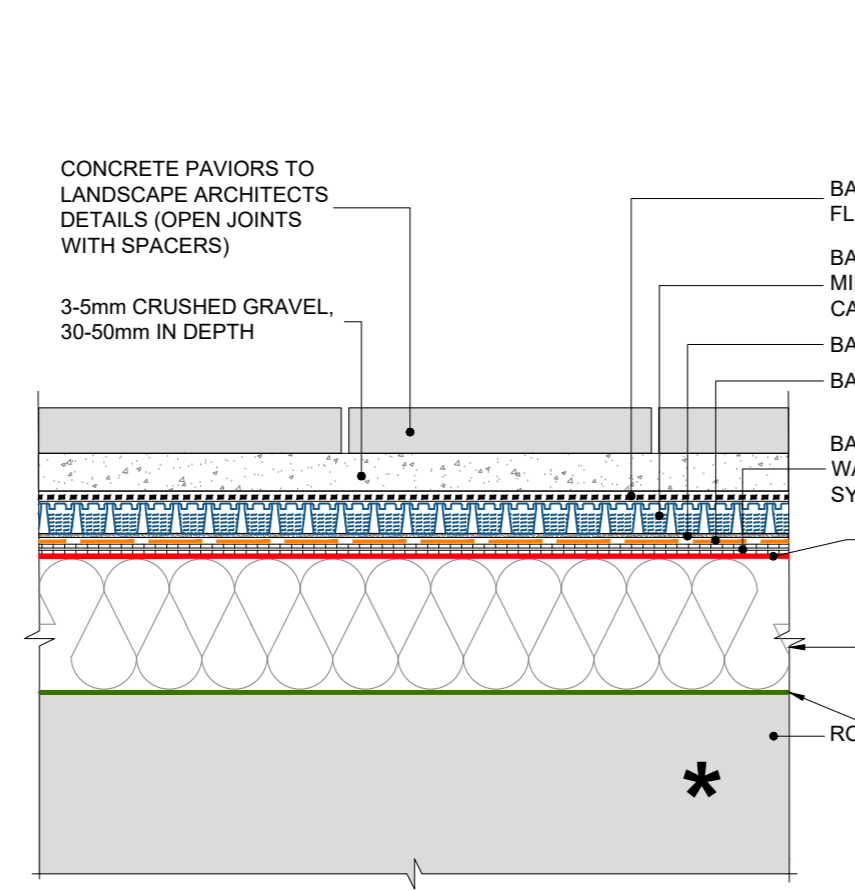


- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.



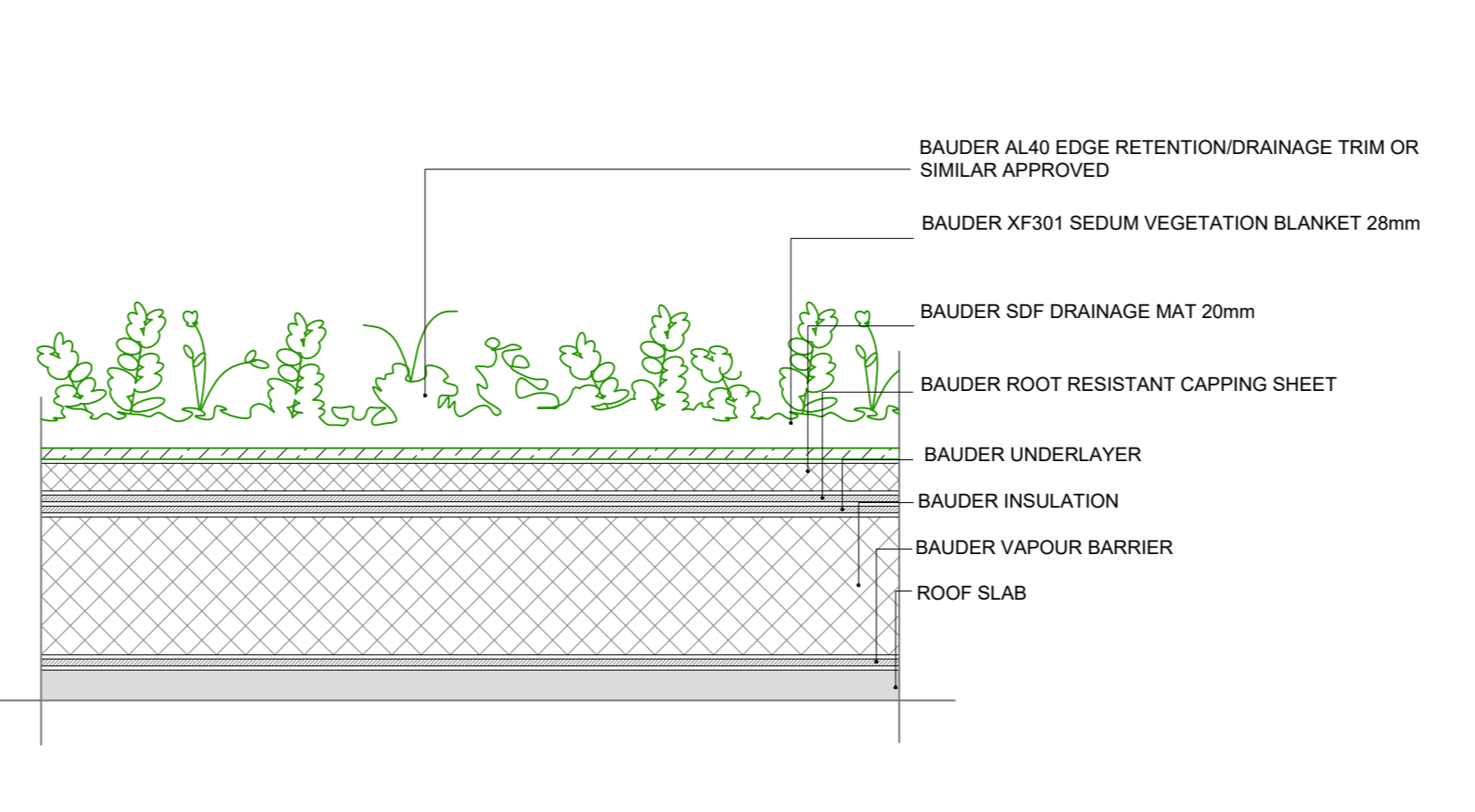
ROOF INTENSIVE SOFT LANDSCAPING SUDS DETAIL

* NOTE: BAUDER DETAILS SHOWN BUT APPROVED EQUAL SYSTEM WILL BE ACCEPTABLE.

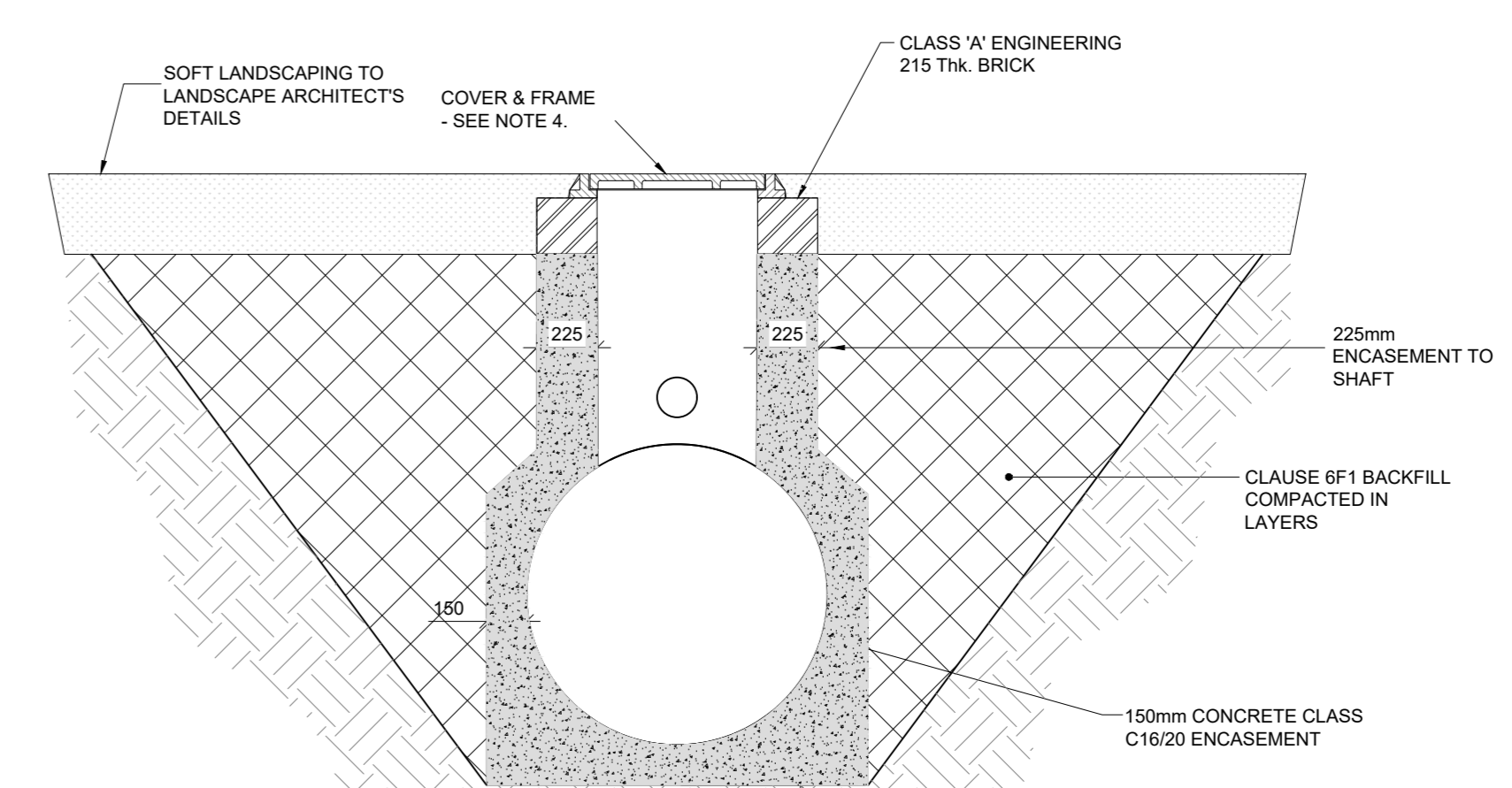


ROOF HARD LANDSCAPING SUDS DETAIL

* FOR AREAS TRAFFICKED FILTER FLEECE TO BE OMITTED & 200mm R.C. SLAB TO BE CAST OVER D560 DRAINAGE MAT & SURFACE FINISH TO LANDSCAPE ARCHITECTS REQUIREMENTS PLACED OVER CONCRETE.



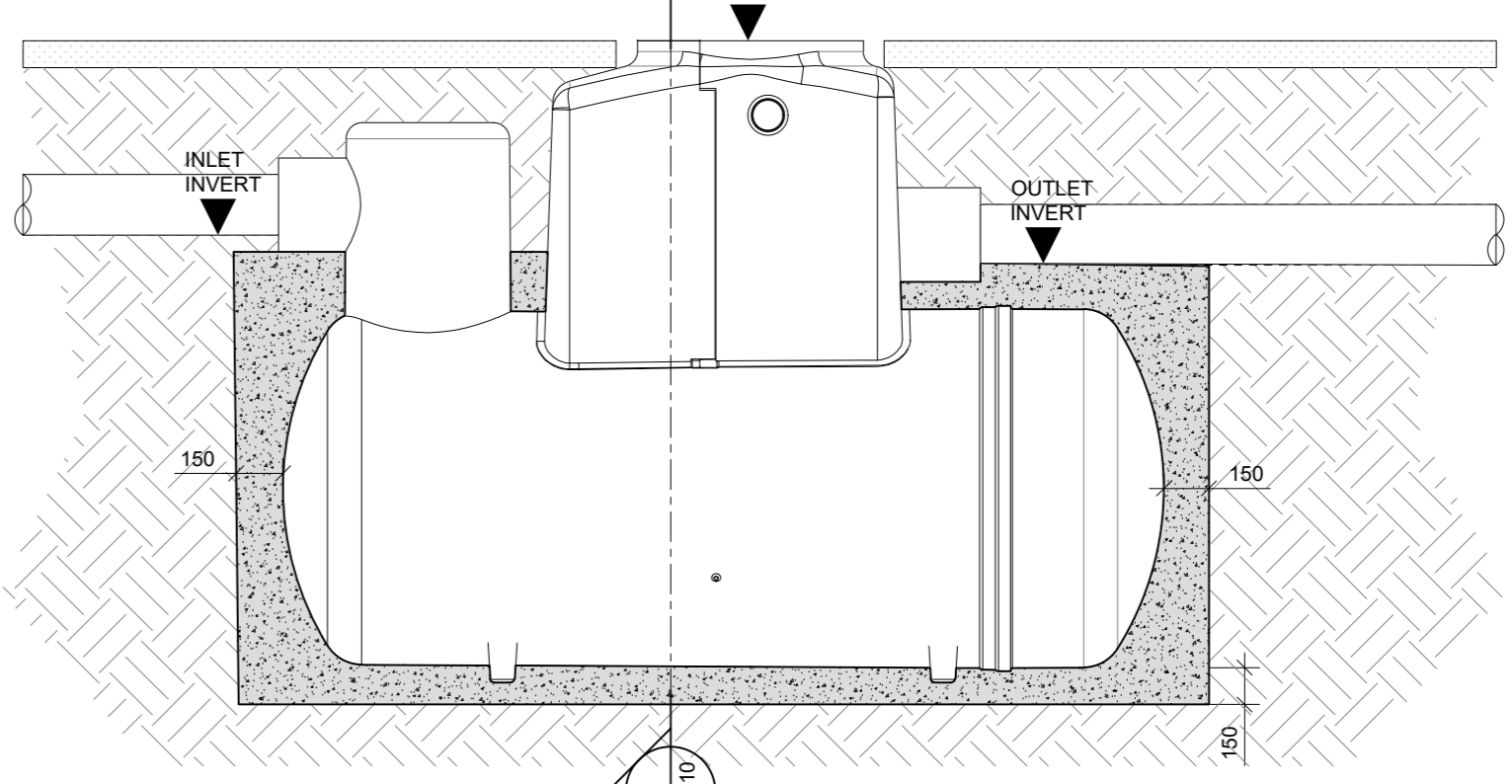
EXTENSIVE GREEN ROOF SUDS DETAIL



TYPICAL SECTION 1 THROUGH PETROL INTERCEPTOR SHOWING CONCRETE SURROUND DETAIL

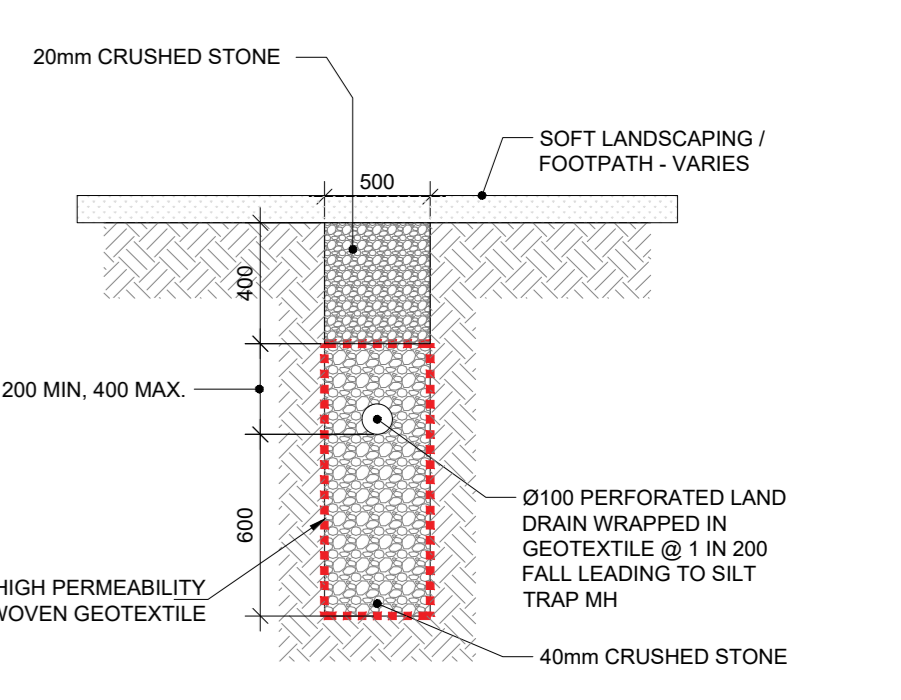
SCALE @ A0 1:25 SCALE @ A2 1:50

- NOTES:
- PROPRIETARY BYPASS PETROL INTERCEPTOR INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - INTERCEPTOR TO BE FULLY ENCASED IN MINIMUM 150mm CONCRETE.
 - INTERCEPTOR TO HAVE CAPACITY TO:
 - TREAT OUTFLOW FROM IMPERMEABLE AREA OF 68,300m²
 - ACCEPT PEAK FLOW = 465 l/s (150 VRS STORM)
 - ACCEPT INLET AND OUTLET PIPES 750mm INTERNAL DIAMETER
 - INTERCEPTOR ACCESS COVER TO COMPLY WITH REQUIREMENTS OUTLINED IN DRAWING C-1200 DETAIL G FOR LIDS LOCATED IN SOFT LANDSCAPING.



BYPASS PETROL INTERCEPTOR DETAILS

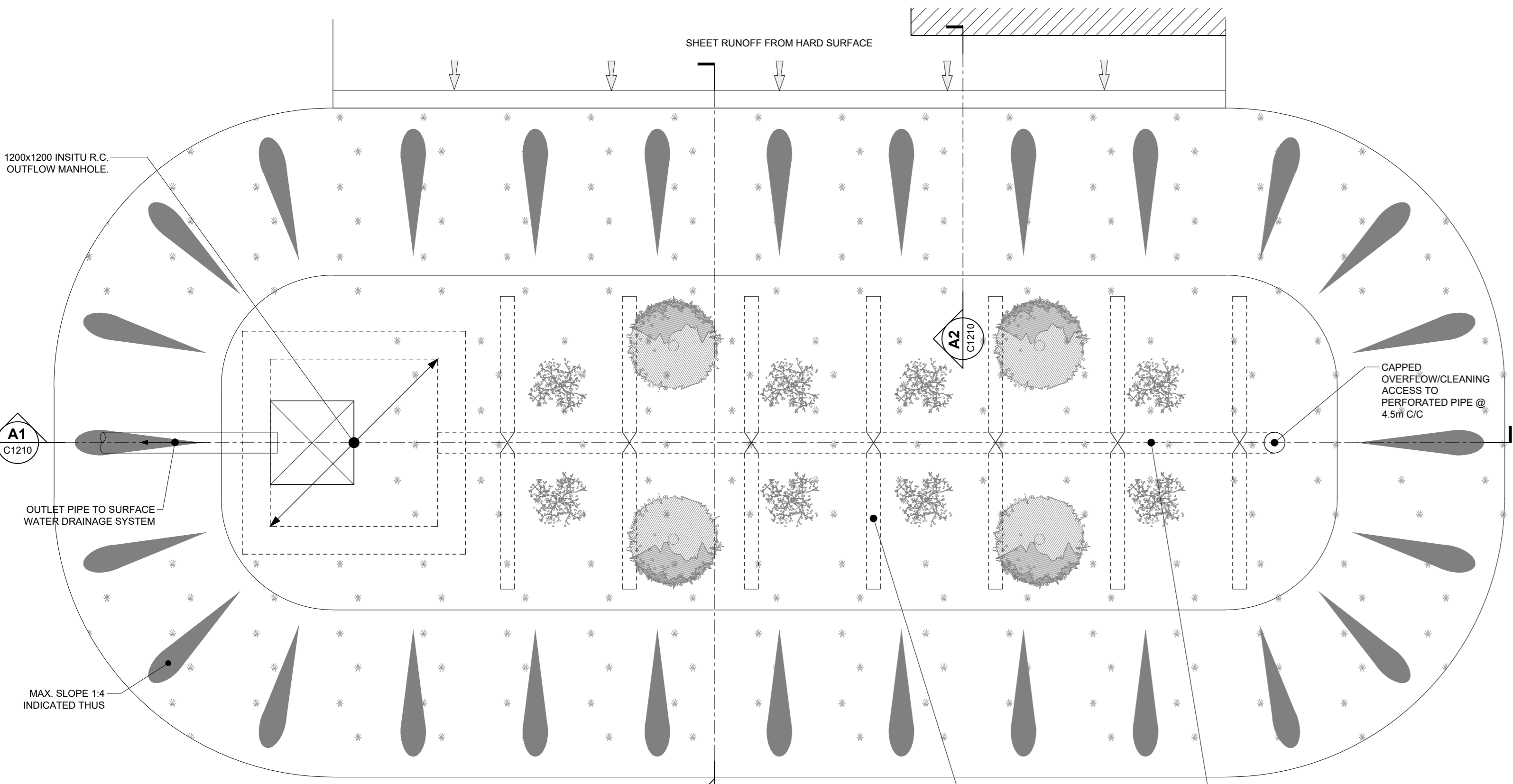
SCALE @ A0 1:25 SCALE @ A2 1:50



INFILTRATION TRENCH DETAILS

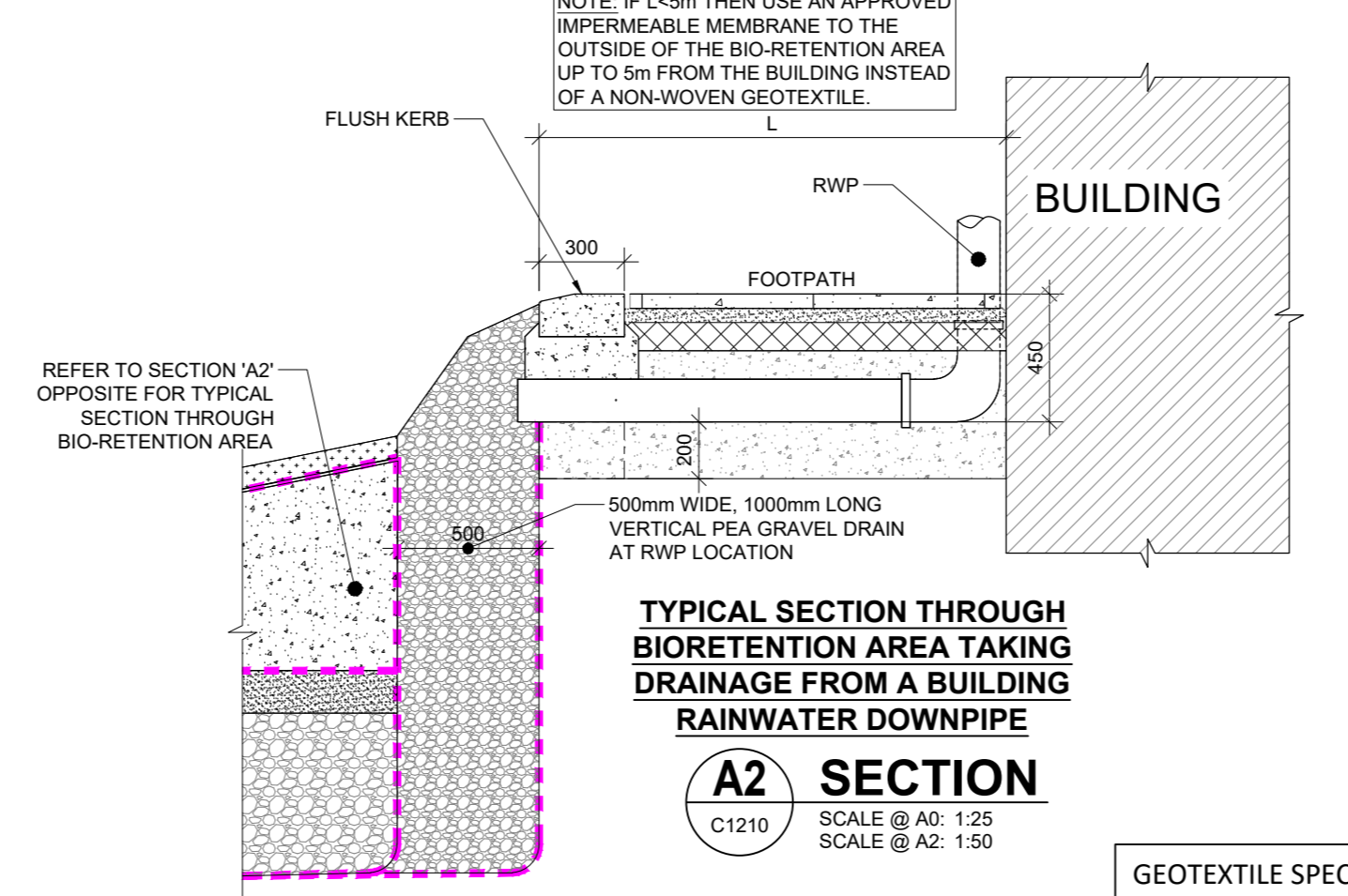
SCALE @ A0 1:25

B DETAIL SCALE @ A0 1:25 SCALE @ A2 1:50



TYPICAL PLAN DETAIL OF BIORETENTION AREA FOR SURFACE WATER MANAGEMENT

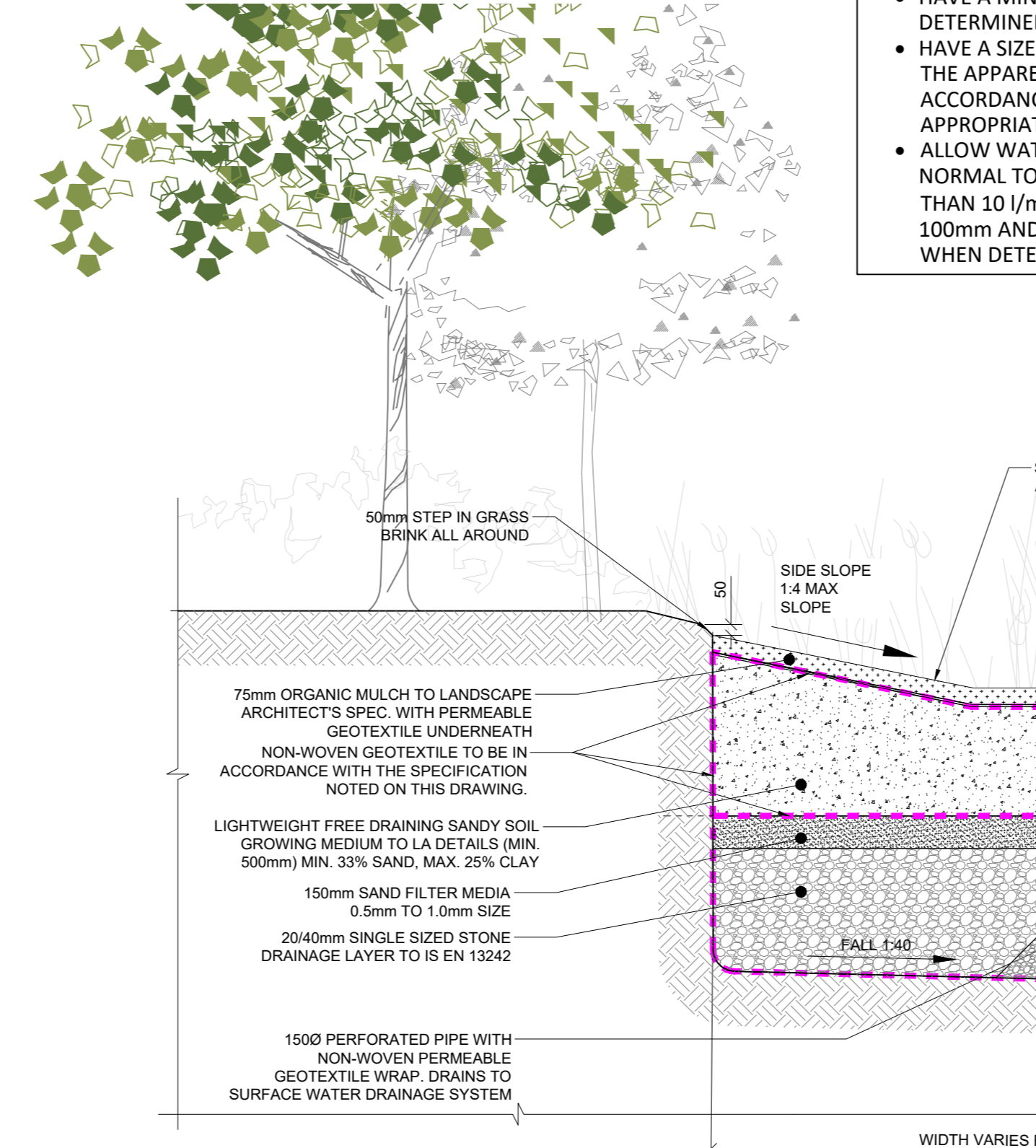
SCALE @ A0 1:25 SCALE @ A2 1:50



TYPICAL SECTION THROUGH BIORETENTION AREA TAKING DRAINAGE FROM A BUILDING RAINWATER DOWNPIPE

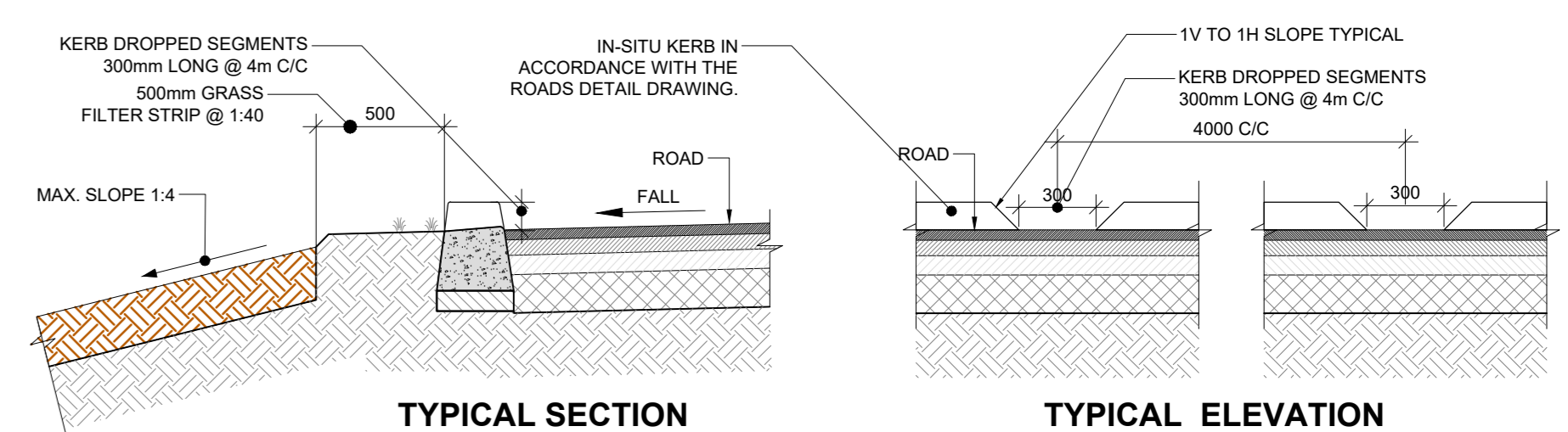
A2 SECTION SCALE @ A0 1:25 SCALE @ A2 1:50

- 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 1200N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12336;
 - HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE D90 WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12955, 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 1.0 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.



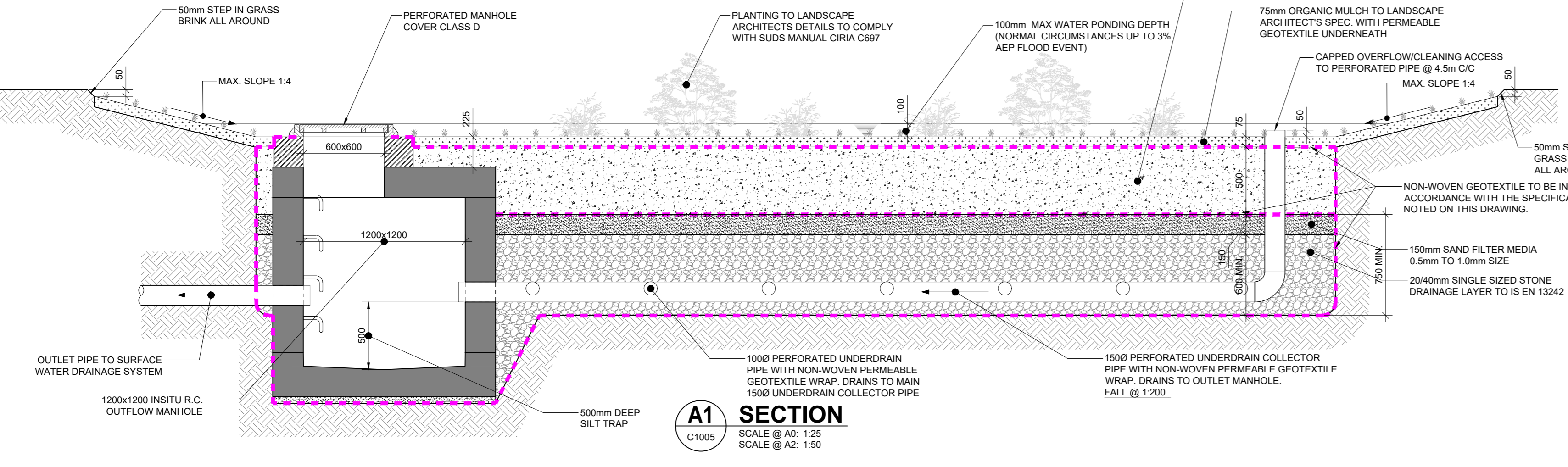
TYPICAL SECTION THROUGH BIORETENTION AREA TAKING DRAINAGE FROM A HARDSTANDING AREA

A3 SECTION SCALE @ A0 1:25 SCALE @ A2 1:50



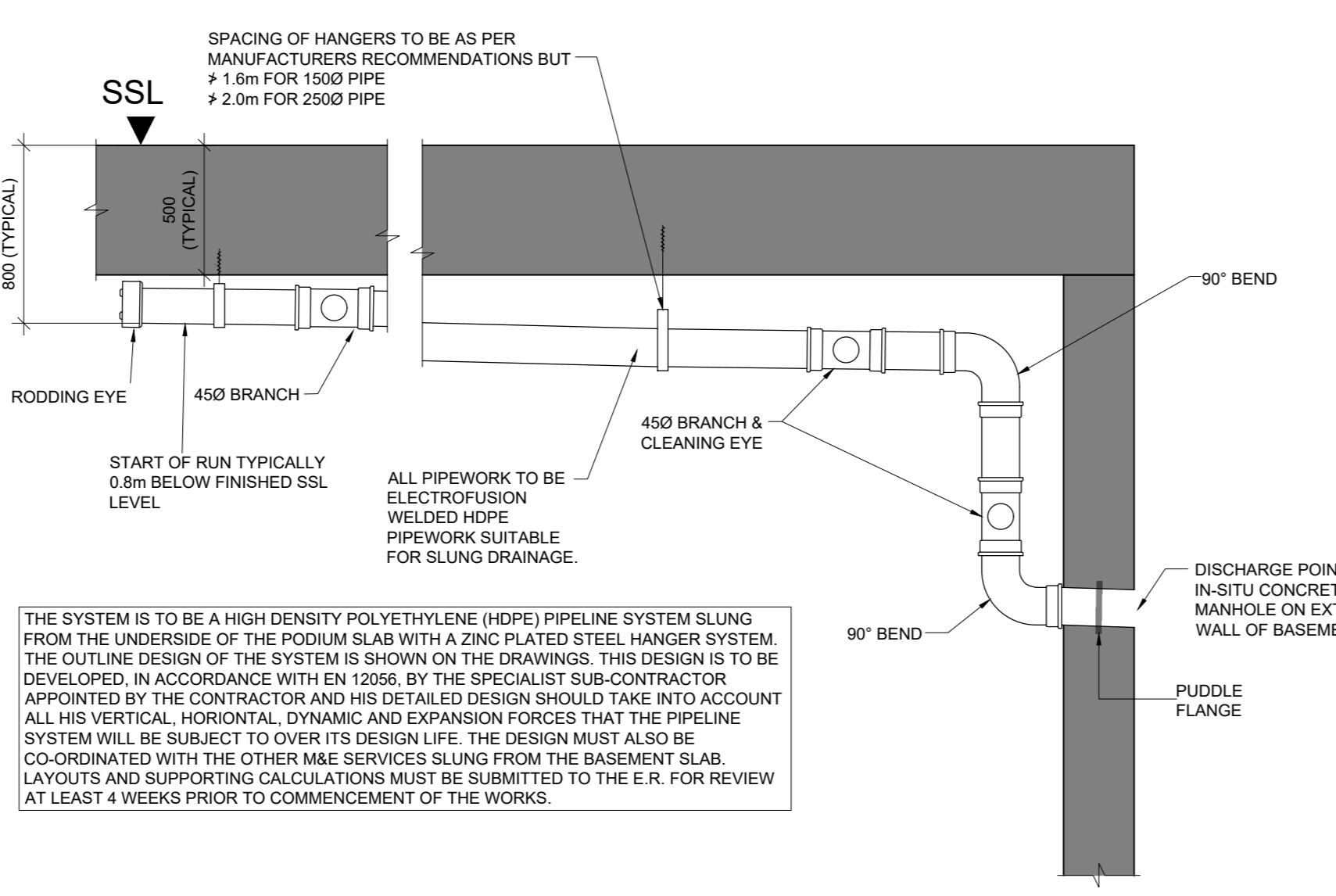
DROPPED KERB DETAIL @ 4m c/c (ALTERNATIVE TO FLUSH KERB DETAIL FOR OVER-EDGE ROAD DRAINAGE)

G DETAIL SCALE @ A0 1:25 SCALE @ A2 1:50



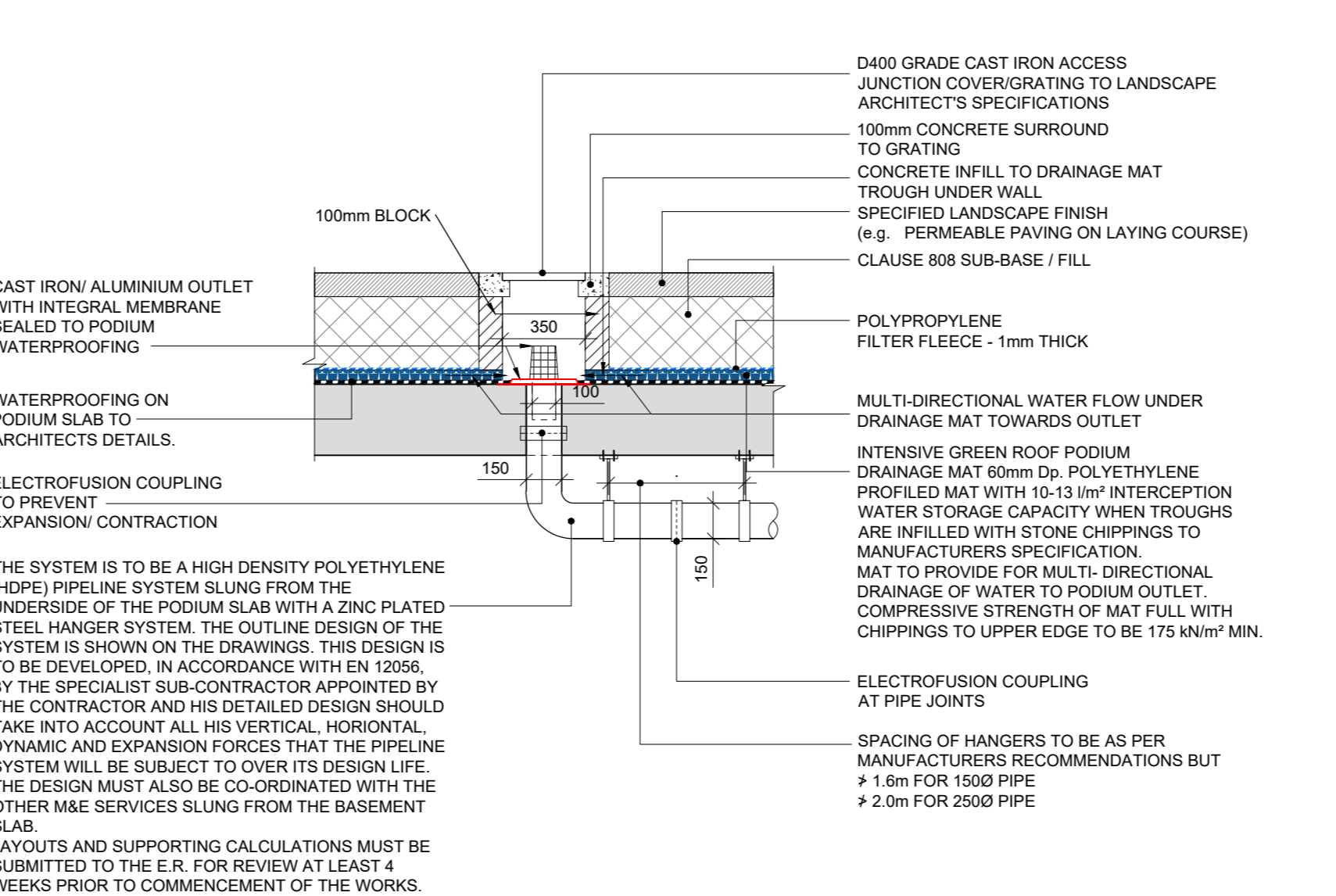
TYPICAL DETAIL THRO' PODIUM DECK RAINWATER DOWNPIPE / GULLY ON PODIUM

SCALE @ A0 1:25 SCALE @ A2 1:50



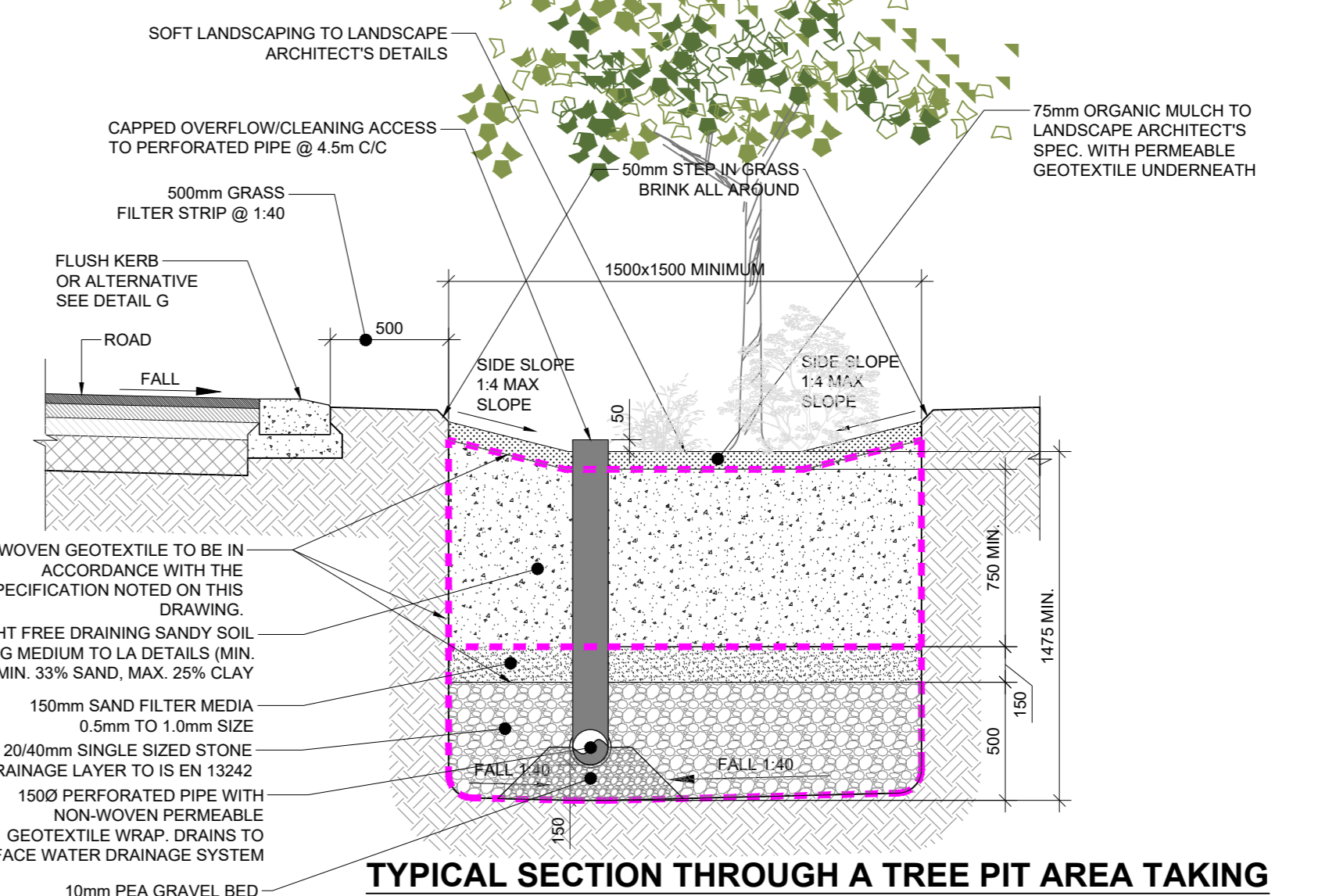
TYPICAL SECTION THRO' SLUNG DRAINAGE

SCALE @ A0 1:25 SCALE @ A2 1:50



TYPICAL DETAIL THRO' INTENSIVE GREEN ROOF PODIUM DRAINAGE OUTLET

SCALE @ A0 1:25 SCALE @ A2 1:50



TYPICAL SECTION THROUGH A TREE PIT AREA TAKING DRAINAGE FROM A HARDSTANDING AREA

F DETAIL SCALE @ A0 1:25 SCALE @ A2 1:50

PLC	ISSUED FOR PLANNING APP.	ISS	REV	DATE	DESCRIPTION	DRN	PLN	STR	STR	STR
PL1	31.03.21	ISSUED FOR OCC APPROVAL								
PL2	20.11.20	ISSUED FOR PRE-PLANNING APP.								
PL3	20.11.20	ISSUED FOR PRE-PLANNING APP.								

DRAWING STAGE: **PLANNING**

BM Barrett Mander

ACEI Association of Consulting Engineers and Insurers

PROJECT TITLE: **CWTC Multi Family IC&V**

PROJECT NO: **19.253**

MODEL REFERENCE: **CLONLIFFE ROAD, DRUMCONDRA**

DRAWING TITLE: **TYPICAL SUDS DETAILS**

DRAWING NO: **CLA-BMD-00-ZZ-DR-C-1210**

SHEET: **PL3**