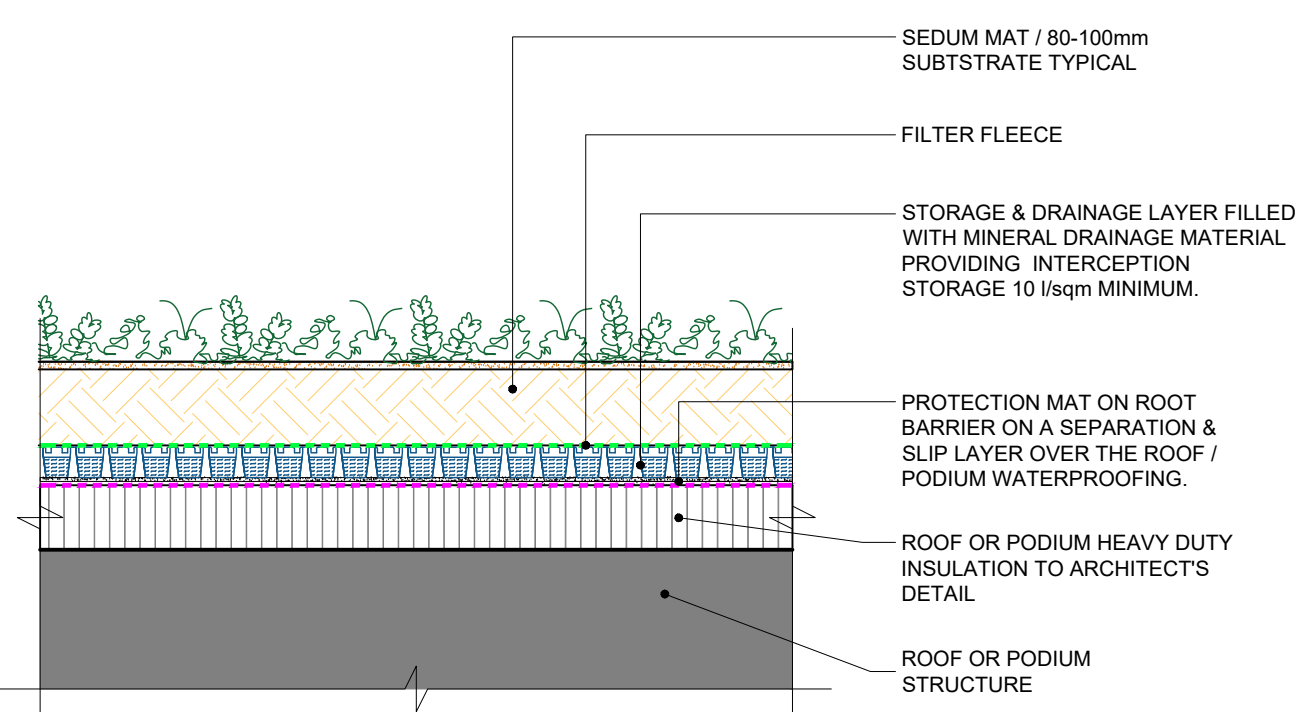


NOTES

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

D1 SOFT LANDSCAPING EXTENSIVE GREEN ROOF

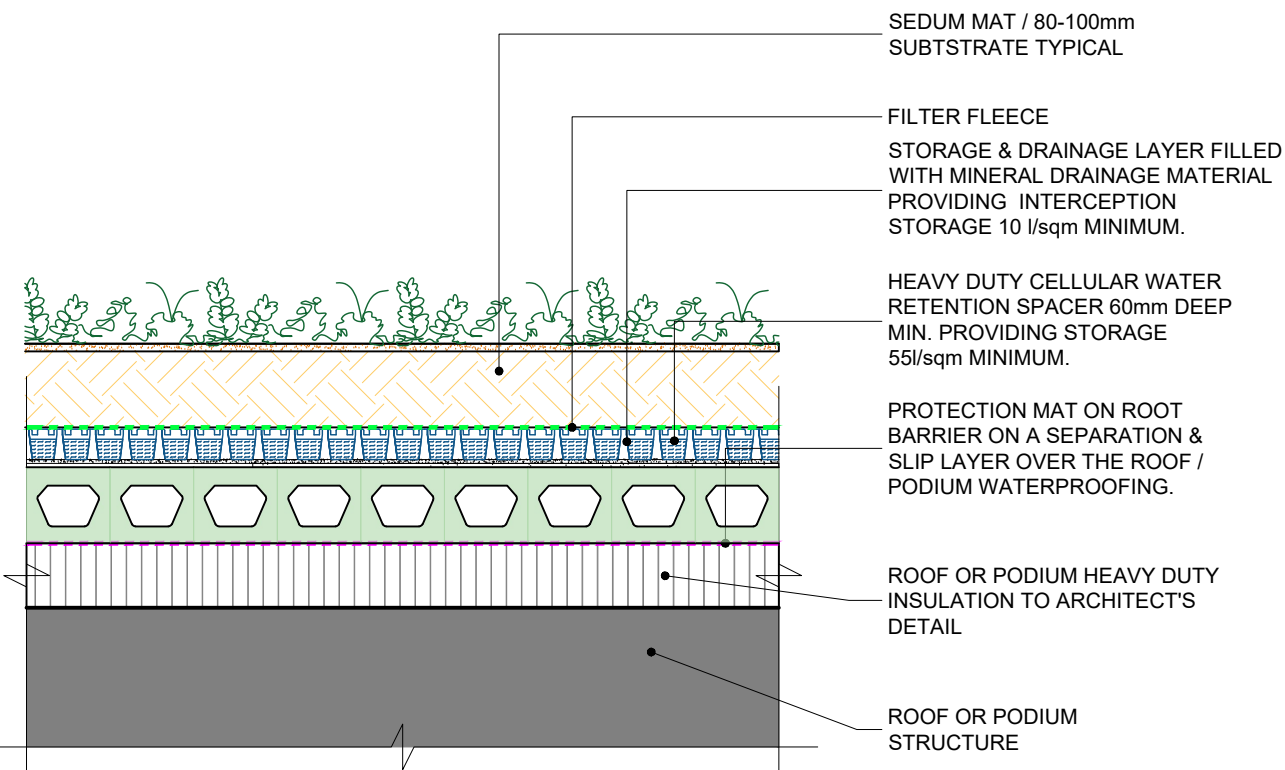
D1.1 SOFT LANDSCAPING - EXTENSIVE GREEN ROOF ON DRAINAGE BOARD



TYPICAL DETAIL

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

D1.2 SOFT LANDSCAPING - EXTENSIVE GREEN ROOF ON DRAINAGE BOARD ON BLUE ROOF STORAGE

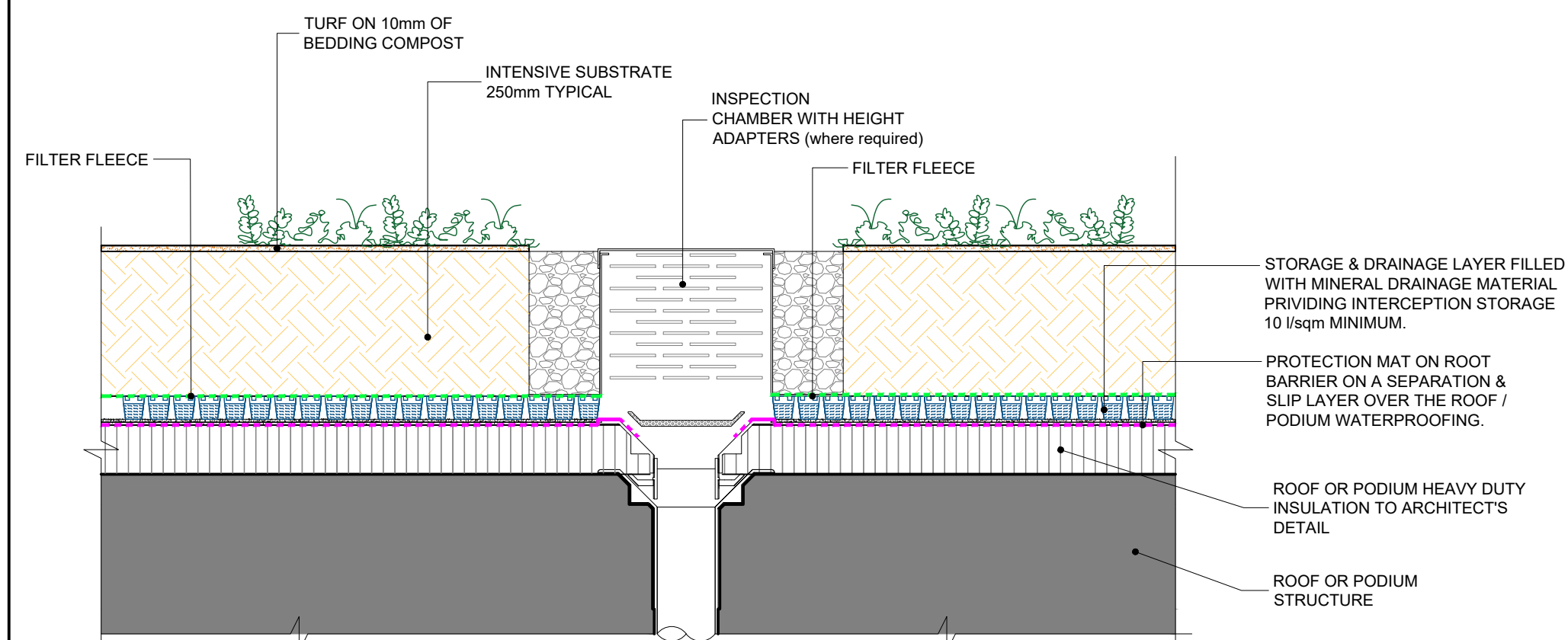


TYPICAL DETAIL

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

D2 SOFT LANDSCAPING INTENSIVE GREEN ROOF

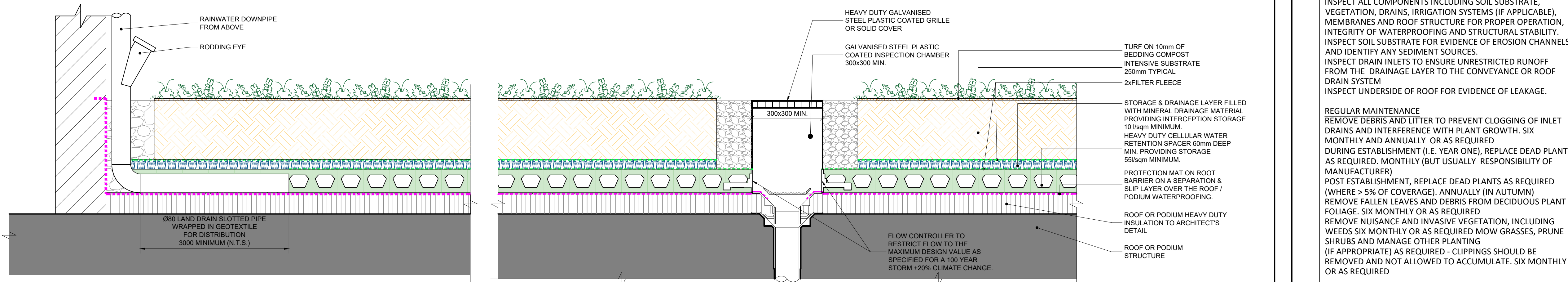
D2.1 SOFT LANDSCAPING - INTENSIVE GREEN ROOF



TYPICAL DETAIL

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

D2.2 SOFT LANDSCAPING - INTENSIVE GREEN ROOF ON DRAINAGE BOARD ON BLUE ROOF STORAGE



TYPICAL DETAIL

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

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 & ROT PROOF.
3. A 1000 mm EMERGENCY PARAPET OVERFLOW PIPE SHOULD BE PROVIDED ON ALL BLUE ROOFS.

MAINTENANCE REQUIREMENTS FOR GREEN ROOFS

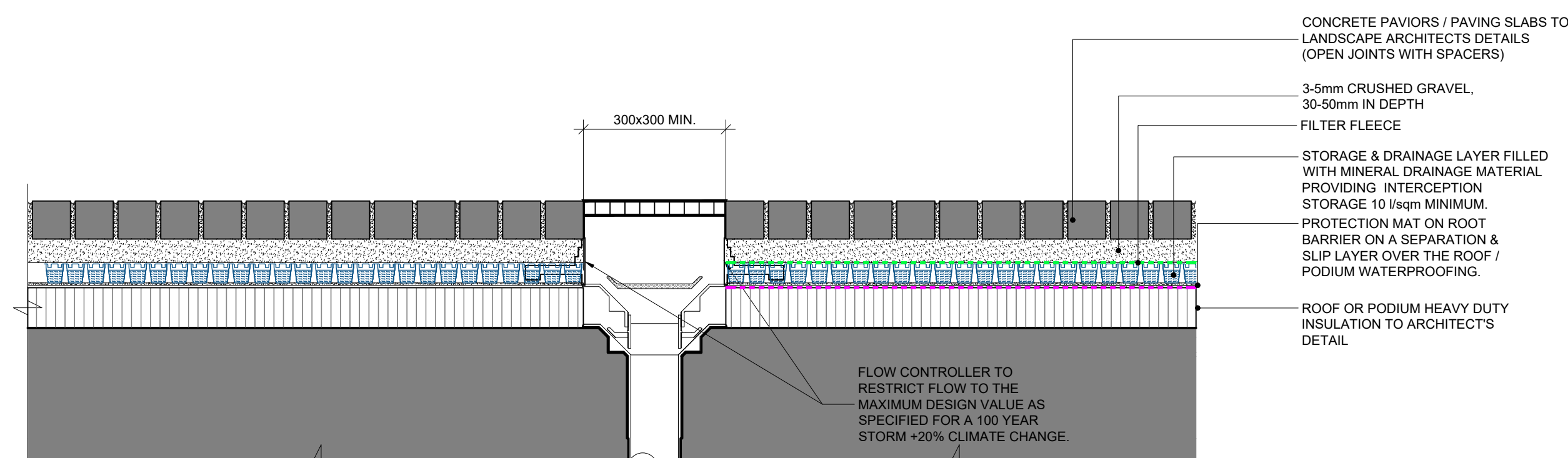
REGULAR INSPECTIONS, ANNUALLY AND AFTER SEVERE STORMS. INSPECT ALL COMPONENTS INCLUDING SOIL, SUBSTRATE, VEGETATION, DRAINS, IRRIGATION SYSTEMS (IF APPLICABLE), MEMBRANES AND ROOF STRUCTURE FOR PROPER OPERATION, INTEGRITY OF WATERPROOFING AND STRUCTURAL STABILITY. INSPECT SOIL SUBSTRATE FOR EVIDENCE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

REMEDIAL 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.

D3 HARD LANDSCAPING

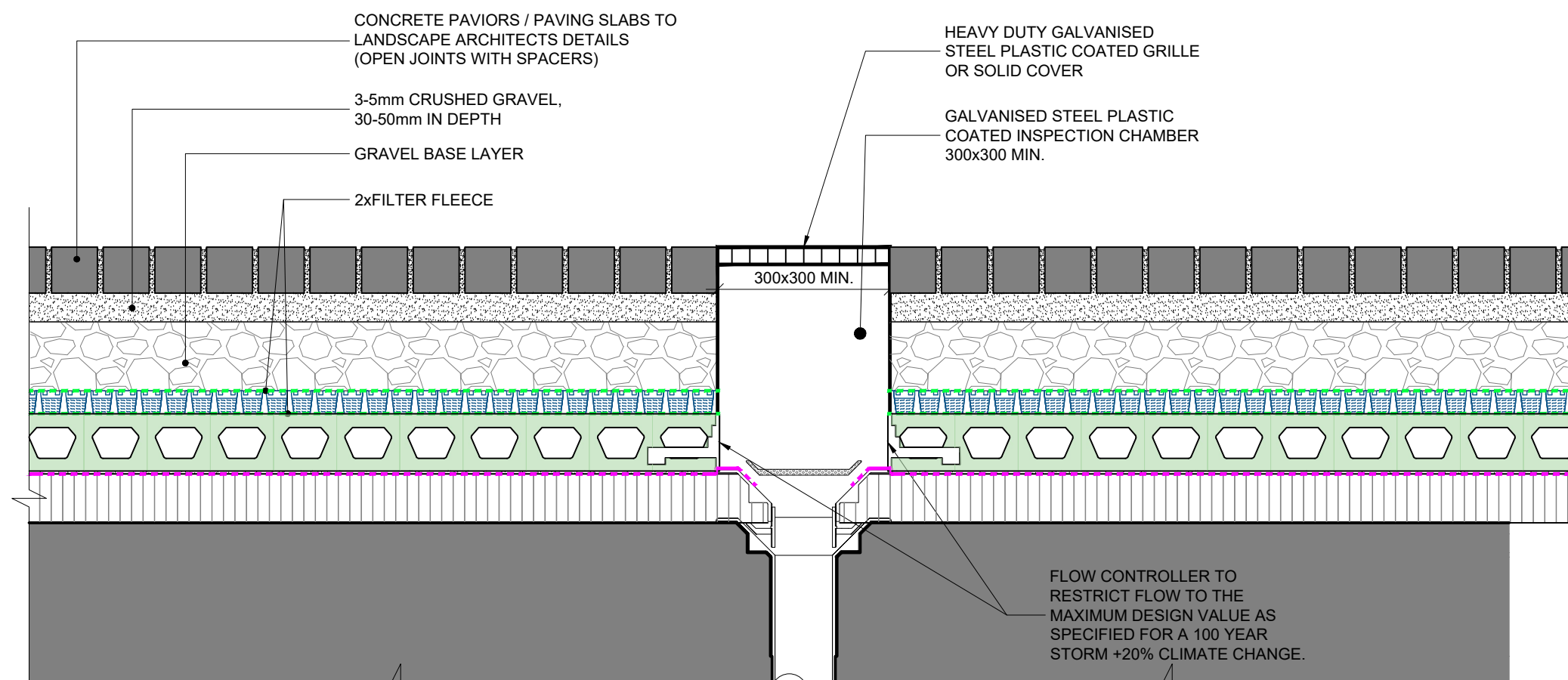
D3.1 HARD LANDSCAPING - PERMEABLE PAVING ON DRAINAGE BOARD



TYPICAL DETAIL

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

D3.2 HARD LANDSCAPING - PERMEABLE PAVING ON DRAINAGE BOARD ON BLUE ROOF STORAGE

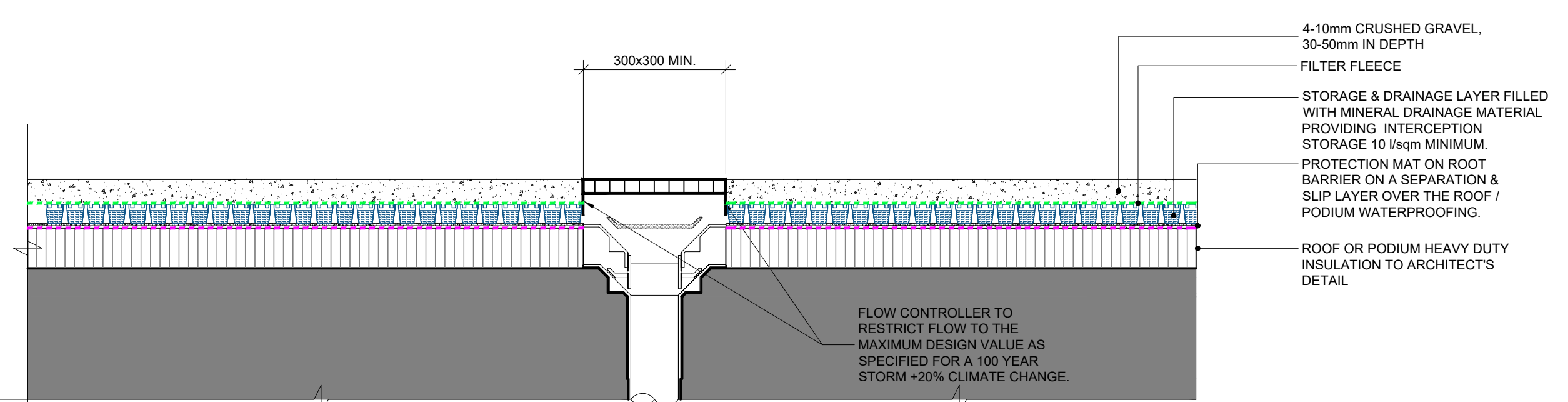


TYPICAL DETAIL

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

D4 GRAVEL FINISH

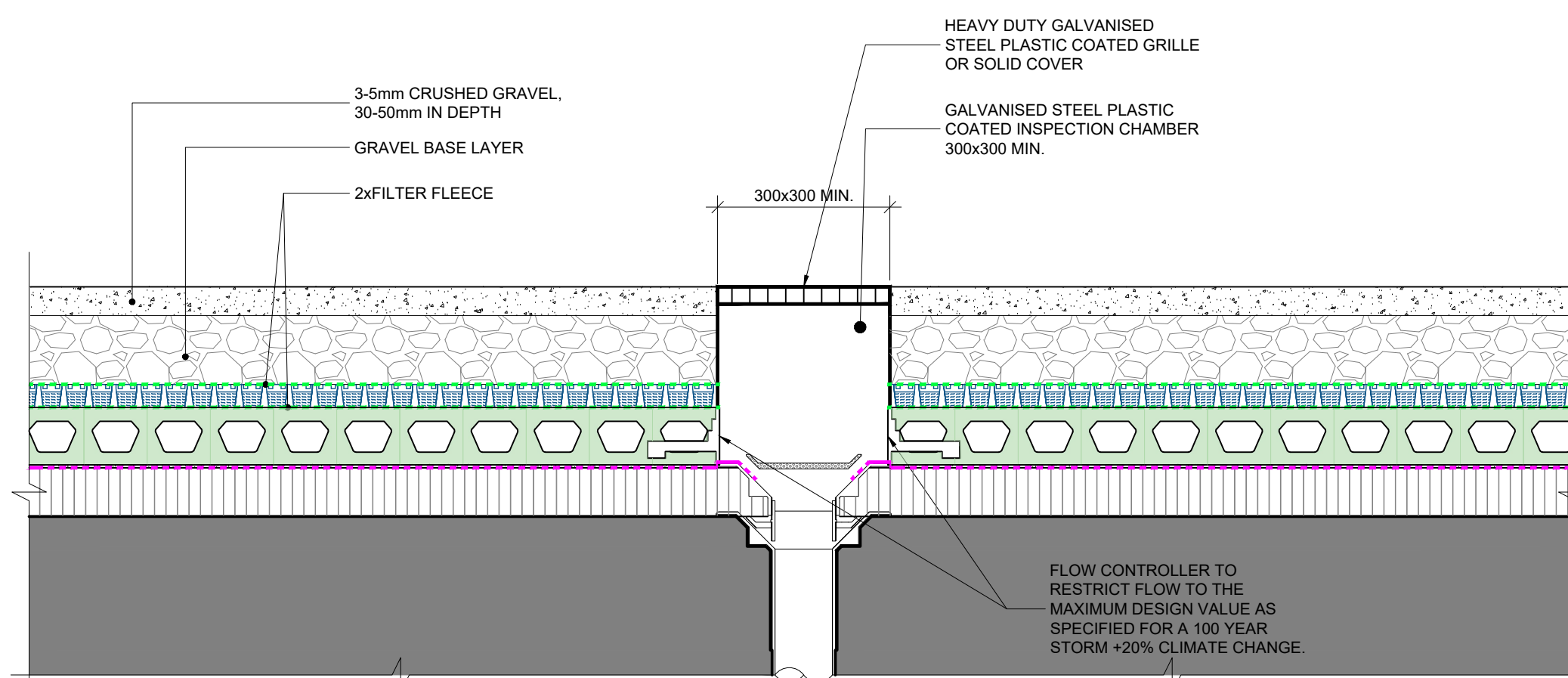
D4.1 GRAVEL FINISH ON DRAINAGE BOARD



TYPICAL DETAIL

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

D4.2 GRAVEL FINISH ON DRAINAGE BOARD ON BLUE ROOF STORAGE



TYPICAL DETAIL

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

PL2	11.10.20	ISSUED FOR PLANNING	MC
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: JC		Project Director: JC	
BM STAGE			
PLANNING			
BM			
Burrett Maistry Consulting Engineers, Civil, Structural, Project Management E-mail: bmaistry@bt.com Web: www.bmaistry.co.uk			
The Institution of Structural Engineers			
ACEI			
CLIENT			
MALCLOSE LTD.			
PROJECT TITLE			BM PROJECT NO.
GOWAN HOUSE			22.219
REFERENCE	SUITABILITY	REVISION	
DRAWING TITLE			
SOFT AND HARD LANDSCAPING ON PODIUM / ROOF AREAS - STANDARD DETAILS			
DRAWING REFERENCE	STATUS	REVISION	
GWH-BMD-ZZ-00-DR-C-12310	PL2		