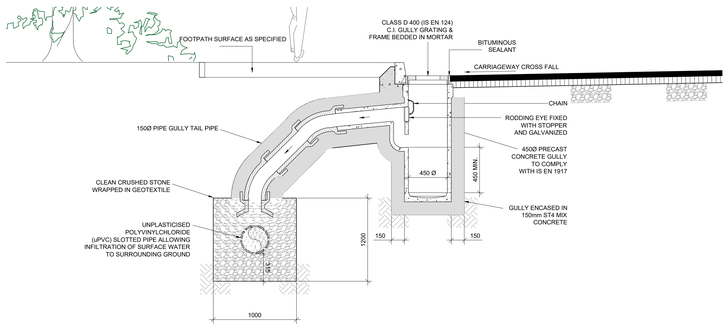
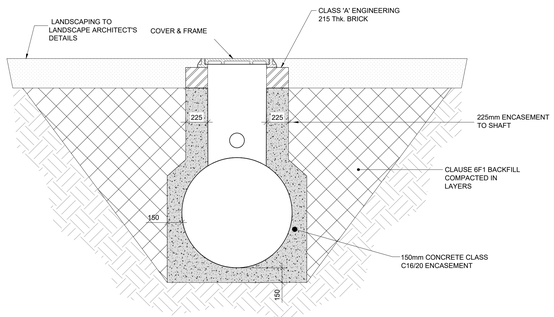
NOTES

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

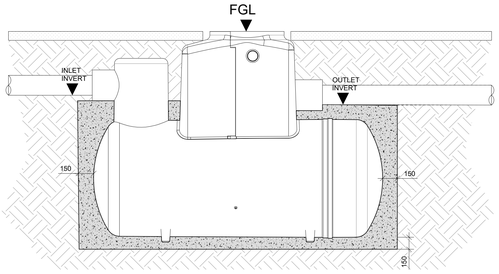


TYPICAL SECTION THROUGH AREAS DRAINED TO INFILTRATION TRENCH VIA ROAD GULLIES

A SECTION C1005
SCALE @ A0: 1:25
SCALE @ A2: 1:50

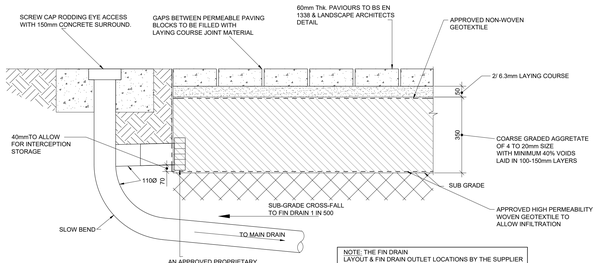


NOTES:
1. PROPRIETARY BYPASS PETROL INTERCEPTOR INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. INTERCEPTOR TO BE FULLY ENCASED IN MINIMUM 150mm CONCRETE.
3. INTERCEPTOR TO HAVE CAPACITY TO ACCEPT PEAK FLOW = 11.1 l/s



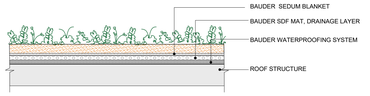
B SECTION C1005
SCALE @ A0: NTS
SCALE @ A2: NTS

TYPICAL SECTION THROUGH PETROL INTERCEPTOR SHOWING CONCRETE SURROUND DETAIL



TYPICAL PERMEABLE PAVING (5% CBR ASSUMED)

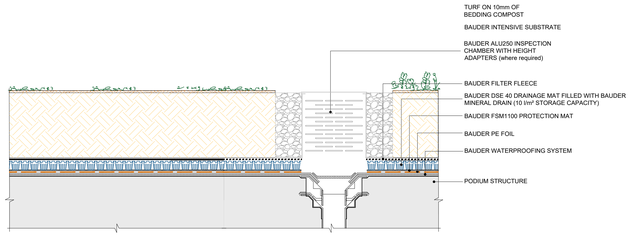
E DETAIL C1005
SCALE @ A0: 1:10
SCALE @ A2: 1:20



EXTENSIVE GREEN ROOF - SEDUM BLANKET TYPICAL BUILDUP DETAIL

F DETAIL C1008
SCALE @ A0: 1:10
SCALE @ A2: 1:20

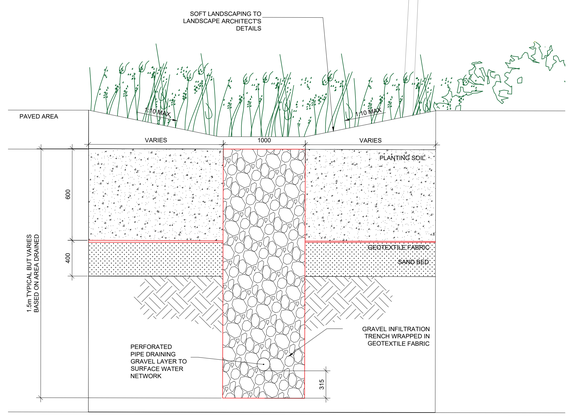
NOTE: "BAUDER" SYSTEM SHOWN - OTHER APPROVED SUPPLIERS MAY BE CONSIDERED.



INTENSIVE GREEN ROOF WITH SOFT LANDSCAPING SHOWING TYPICAL OUTFALL DETAIL

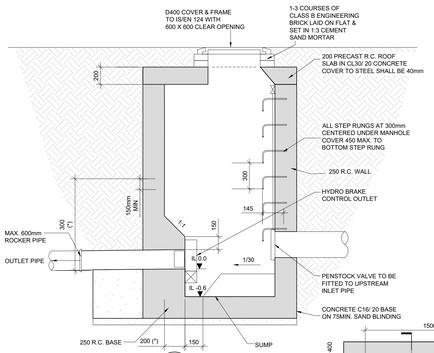
G DETAIL C1008
SCALE @ A0: 1:10
SCALE @ A2: 1:20

NOTE: "BAUDER" SYSTEM SHOWN - OTHER APPROVED SUPPLIERS MAY BE CONSIDERED.

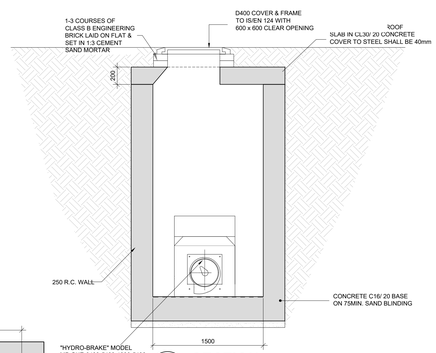


TYPICAL SECTION THROUGH BIORETENTION AREA/SWALE WITH FLUSH KERBS TO ALLOW SURFACE RUN OFF FROM PAVED AREAS TO INFILTRATE FREELY TO GROUNDWATER

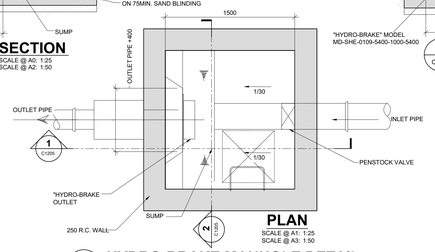
H DETAIL C1005
SCALE @ A0: 1:25
SCALE @ A2: 1:50



1 SECTION C1205
SCALE @ A0: 1:25
SCALE @ A2: 1:50



2 SECTION C1205
SCALE @ A0: 1:25
SCALE @ A2: 1:50



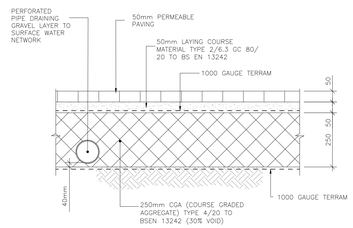
PLAN
SCALE @ A1: 1:25
SCALE @ A3: 1:50

"HYDRO-BRAKE" MODEL MD-SHE-0109-5400-1000-5400

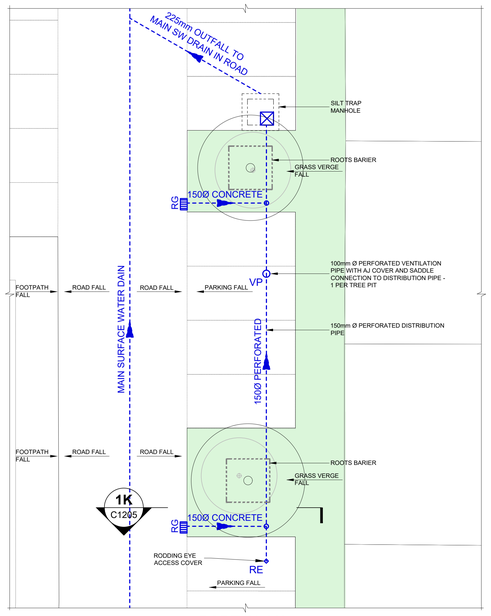
I HYDRO-BRAKE MANHOLE DETAIL C1005
SCALE @ A0: 1:25
SCALE @ A2: 1:50

COARSE GRADED AGGREGATE DRAINED BY FRENCH DRAINS @ 40mm (D1) ABOVE BASE OF GRAVEL BED WHICH @ 30% VOIDS GIVES:

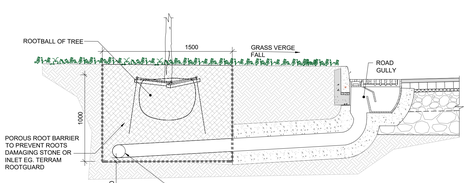
0.3 x 40= 12mm INTERCEPTION STORAGE WHICH ALSO COVERS THE ADJACENT ROOF AREAS SEE Drg No. 102.



J FRENCH DRAIN DETAIL 1005
SCALE @ A0: 1:10
SCALE @ A2: 1:20



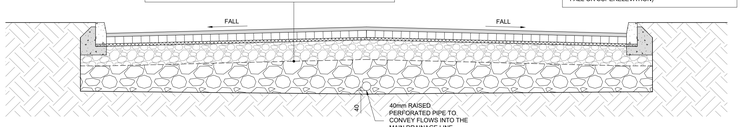
PART PLAN
SCALE @ A0: 1:100
SCALE @ A2: 1:200



1K SECTION C1205
SCALE @ A0: 1:25
SCALE @ A2: 1:50

K TREE PIT DETAIL C1005
SCALE @ A0: 1:25
SCALE @ A2: 1:50

FALLS: 1:40 TYPICAL FROM CENTRAL CROWN BUT SEE PLANS FOR VARIATIONS (e.g. ONE DIRECTIONAL FALL OR SUPERELEVATION)		
40mm	THK. 0/10mm DURAFLOW PA SURFACE COURSE TO IS EN13108 - 7 POROUS ASPHALT AND NSAI STANDARD RECOMENDATION (SR) 28	
80mm	THK. 0/20mm DURAFLOW PA BINDER COURSE TO IS EN13108 - 7 POROUS ASPHALT AND NSAI STANDARD RECOMENDATION (SR) 28	
30mm	THK. 6/10mm PERMEABLE CHOKER COURSE	
225mm	THK. PERMEABLE SUB-BASE COURSE	
5mm	GEOTEXTILE	
300-400mm	THK. PERMEABLE MATERIAL FOR WATER STORAGE	
5mm	MEMBRANE	



L POROUS ASPHALT ROAD DETAIL C1005
SCALE @ A0: 1:25
SCALE @ A2: 1:50

ISSUE	DATE	DESCRIPTION	DRN / DRG	P.E. / P.D.
PL7	22.06.21	ISSUED FOR PLANNING	SM / JC	MH / SM
INF1	11.06.21	ISSUED FOR INFORMATION	SM / JC	MH / SM
PL6	28.05.21	ISSUED FOR PLANNING	SM / JC	MH / SM
PL5	18.03.21	ISSUED FOR PLANNING	SM / JC	MH / SM
PL4	05.02.21	ISSUED FOR PLANNING	SM / JC	MH / SM
PL3	24.04.20	ISSUED FOR PLANNING	THG / JC	MH / SM
PL2	13.12.19	ISSUED FOR PLANNING	JC / JC	MH / SM
PL1	06.12.19	ISSUED FOR PLANNING	JC / JC	MH / SM

DRAWING STAGE: **PLANNING**

BM BARRETT MAHONY
Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164
London Office: 12 Mill Street, London SE1 2AY, United Kingdom Tel: (0044) 084 5413 2722
Consulting Engineers, Civil . Structural . Project Management.E-mail: bmce@bmce.ie Web: www.bmce.ie

CLIENT: **GREEN URBAN LIVING N11 LTD.**

PROJECT TITLE: **WYATTVILLE PARK BTR, LOUGHLINSTOWN, CO. DUBLIN**

BM PROJECT No.: **19.207**

MODEL REFERENCE: -

MODEL REV.:

SUITABILITY: **AS SHOWN**

DRAWING TITLE: **STANDARD SuDS DETAILS SHEET 1**

DRAWING No.: **LOU-BMD-00-ZZ-DR-C-1205**

ISSUE: **PL7**