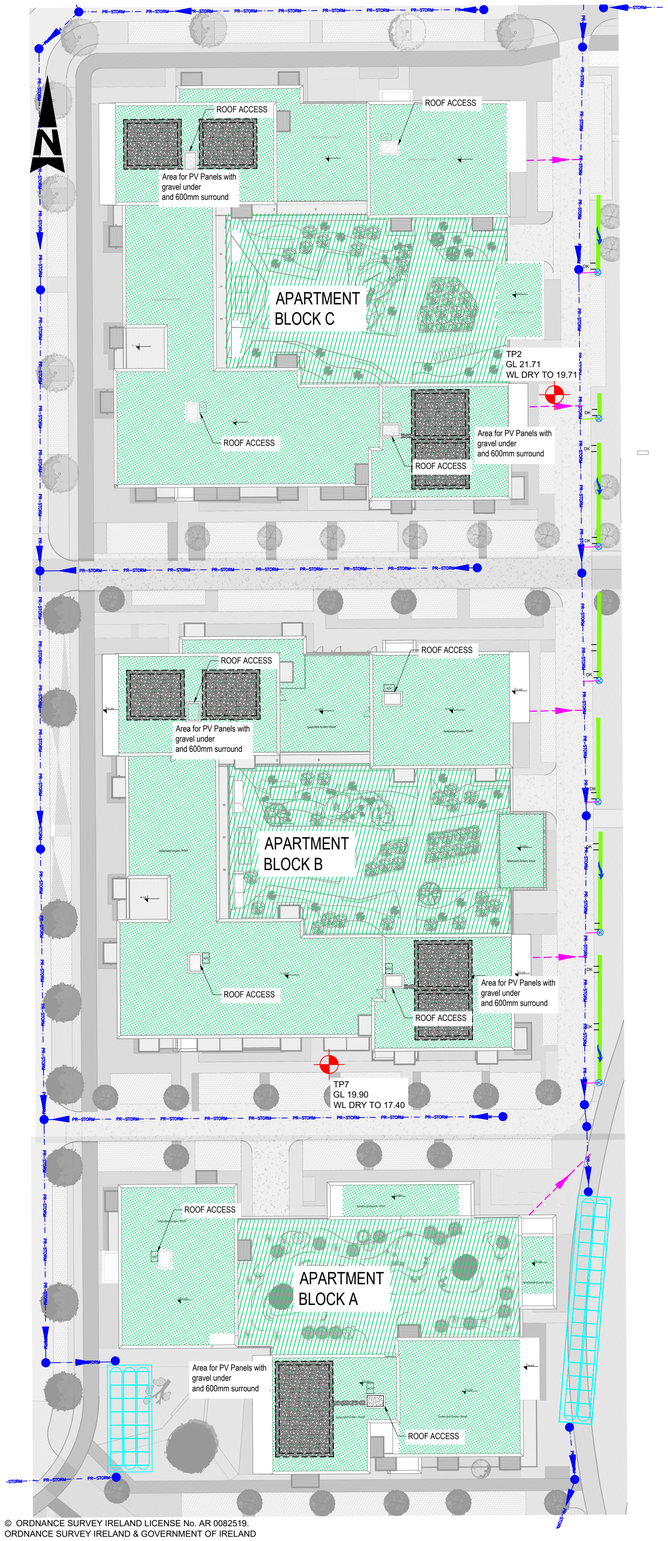

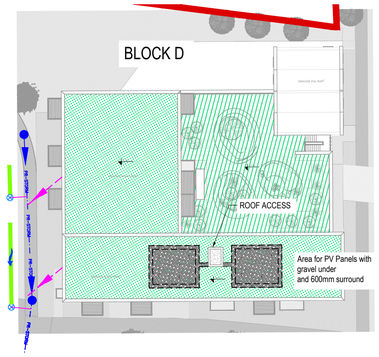

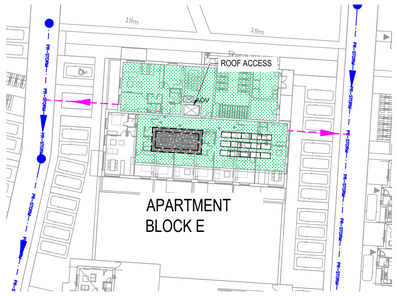

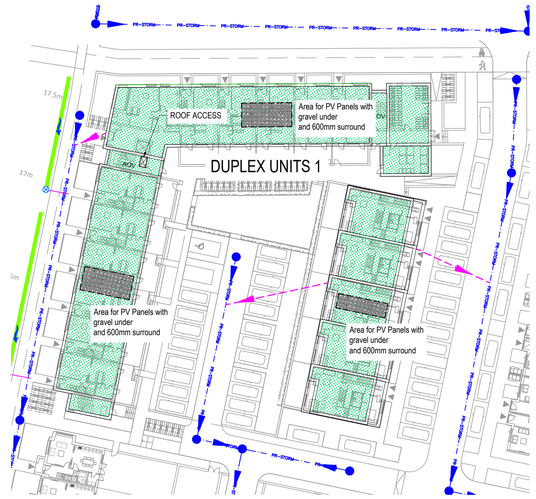

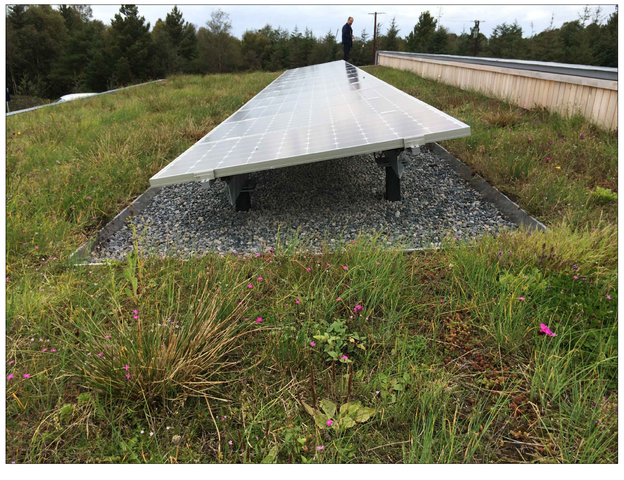

PV PANEL ON GREEN ROOF
Scale at A1 NTS
Scale at A3 NTS

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR
5. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION

NOTE:

PROPOSED GREEN ROOF COURTYARD DESIGNED IN ACCORDANCE WITH APPENDIX 16 GREEN ROOF GUIDANCE DOCUMENT COUNTY DEVELOPMENT PLAN 2016-2022

EXTENSIVE GREEN ROOF BUILD UP

- PRE CULTIVATED SEDUM BLANKET
- EXTENSIVE ROOF GARDEN SOIL MIX 150mm
- VLF150 FILTRATION FLEECE 1.5mm THICK
- DEC25 DRAINAGE & RESERVOIR LAYER 25mm THICK
- ULU300 PROTECTIVE/RESERVOIR FLEECE 2.5mm
- 4mm UNOSINT ROOT RESISTANT CAP SHEET
- 4mm TOP/S BASE SHEET
- 100mm PARATORCH INSULATION BOARD
- 2mm VAPOBAR VAPOUR CONTROL LAYER

IMPORTANT NOTE:
THE COMBINED THICKNESS OF ALL THE ELEMENTS USED IN GREEN ROOF BUILD UP FROM TOP DECKING IS 315mm,

SEDUM PLANTS WILL TYPICALLY REACH HEIGHTS OF 100-150mm

EXTENSIVE BIODIVERSE GREEN ROOF BUILD UP

- VEGATION
- EXTENSIVE ROOF GARDEN SOIL MIX 150mm (SEEDED)
- VLF150 FILTRATION FLEECE 1.5mm THICK
- DEC25 DRAINAGE & RESERVOIR LAYER 25mm THICK
- ULU300 PROTECTIVE/RESERVOIR FLEECE 2.5mm
- 4mm UNOSINT ROOT RESISTANT CAP SHEET
- 4mm TOP/S BASE SHEET
- 100mm PARATORCH INSULATION BOARD
- 2mm VAPOBAR VAPOUR CONTROL LAYER

IMPORTANT NOTE:
THE COMBINED THICKNESS OF ALL THE ELEMENTS USED IN GREEN ROOF BUILD UP FROM TOP DECKING IS 315mm,

COURTYARD BUILD UP (INTENSIVE)

- INTENSIVE VEGATION
- DIADEM SIM INTENSIVE SUBSTRATE
- DIADEM VLF200 FILTER GEOTEXTILE
- DIADEM DIADRAIN-60H DRAINAGE BOARD FILLED
- DIADEM VLF-110 SEPERATION GEOTEXTILE CLOSED CELL THERMAL INSULATION
- DIADEM VLU-500 PROTECTION GEOTEXTILE ROOT RESISTANT WATERPROOFING MEMBRANE ADDITIONAL LAYERS

IMPORTANT NOTE:
THE COMBINED THICKNESS OF ALL THE ELEMENTS USED IN COURTYARD ROOF BUILD UP IS > 500mm,

PLANTING TO LANDSCAPE ARCHITECTS DETAILS

EXTENSIVE GRAVEL ROOF BUILD UP (UNDER PV PANELS AND WALKWAYS)

- 150mm THICK GRAVEL / CLEAN STONE
- VLF150 FILTRATION FLEECE 1.5mm THICK
- DEC25 DRAINAGE & RESERVOIR LAYER 25mm THICK
- ULU300 PROTECTIVE/RESERVOIR FLEECE 2.5mm
- 4mm UNOSINT ROOT RESISTANT CAP SHEET
- 4mm TOP/S BASE SHEET
- 100mm PARATORCH INSULATION BOARD
- 2mm VAPOBAR VAPOUR CONTROL LAYER

IMPORTANT NOTE:
THE COMBINED THICKNESS OF ALL THE ELEMENTS USED IN GREEN ROOF BUILD UP FROM TOP DECKING IS 315mm,

LEGEND

- EXTENSIVE GREEN ROOF
- COURTYARD GREEN ROOF (INTENSIVE)
- GRAVEL

APARTMENT BUILDING A
TOTAL BUILDING AREA = 2696.6 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 1058.87 M²
TOTAL GREEN ROOF AREA PROVIDED = 1290 M²
TOTAL ROOF AREA PROVIDED = 1764.79 M² (65%)
COURTYARD AREA = 931.81 M²

APARTMENT BUILDING B
TOTAL BUILDING AREA = 4475.6 M²
TOTAL ROOF AREA PROVIDED = 3274.6 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 1964.8 M²
TOTAL GREEN ROOF AREA PROVIDED = 2492.6 M² (55.7%)
COURTYARD AREA = 1201 M²

APARTMENT BUILDING C
TOTAL BUILDING AREA = 4475.6 M²
TOTAL ROOF AREA PROVIDED = 3274.6 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 1964.8 M²
TOTAL GREEN ROOF AREA PROVIDED = 2492.6 M² (55.7%)
COURTYARD AREA = 1201 M²

APARTMENT BUILDING D
TOTAL BUILDING AREA = 1695.7 M²
TOTAL ROOF AREA PROVIDED = 1256.2 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 753.72 M²
TOTAL GREEN ROOF AREA PROVIDED = 867.56 M² (51.2%)
COURTYARD AREA = 439.5 M²

APARTMENT BUILDING E
TOTAL BUILDING AREA = 567.5 M²
TOTAL ROOF AREA PROVIDED = 567.5 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 340.5 M²
TOTAL GREEN ROOF AREA PROVIDED = 388.6 M² (68.5%)
COURTYARD AREA = 0.0 M²

DUPLEX UNITS 1
TOTAL BUILDING AREA = 1513.8 M²
TOTAL ROOF AREA PROVIDED = 1513.5 M²
MINIMUM GREEN ROOF AREA REQUIRED (60%) = 908.1 M²
TOTAL GREEN ROOF AREA PROVIDED = 1213.2 M² (80%)
COURTYARD AREA = 0.0 M²

LEGEND

- PROPOSED STORM DRAINAGE
- PROPOSED CONNECTION TO STORM NETWORK
- SXX PROPOSED STORM WATER MANHOLE
- PROPOSED UNDERGROUND SUDS ATTENUATION SYSTEM
- TREE PIT LOCATION
- TP - NUMBER, GL - COVER LEVEL, WL - WATER LEVEL: SITE INVESTIGATION TRIAL PIT LOCATION

Rev	Description	By	Date	Chk'd	Auth
B	PLANNING SUBMISSION	PS	29.10.19	AC	GH
B	FINAL CLIENT APPROVAL	PS	09.10.19	AC	GH
A	AS CLOUDED	PS	19.08.19	AC	GH
-	FOR INFORMATION	PS	24.05.19	AC	GH

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Client: AEVAL

Project: WOODBROOK PHASE 1

Purpose: PLANNING

Title: PROPOSED GREEN INTENSIVE COURTYARD AND EXTENSIVE ROOF LAYOUT

Original Scale	Design/Drawn	Checked	Authorised
AS SHOWN	PS Date 22.05.19	AC Date 22.05.19	GH Date 22.05.19

Status: P

Drawing Number: 5154251 / EWE / DR / 0600

Rev: B

100 0 10
A1
DO NOT SCALE
File: 5154251_EWE_DR_0600.dwg
Date: Oct 31, 2019 - 12:22pm
Plotted by: patrick.sheridon

Z:\5154251 Castlethorn Woodbrook\6 Dwgs-Graphics\61 AutoCad\5154251_EWE_DR_0600.dwg