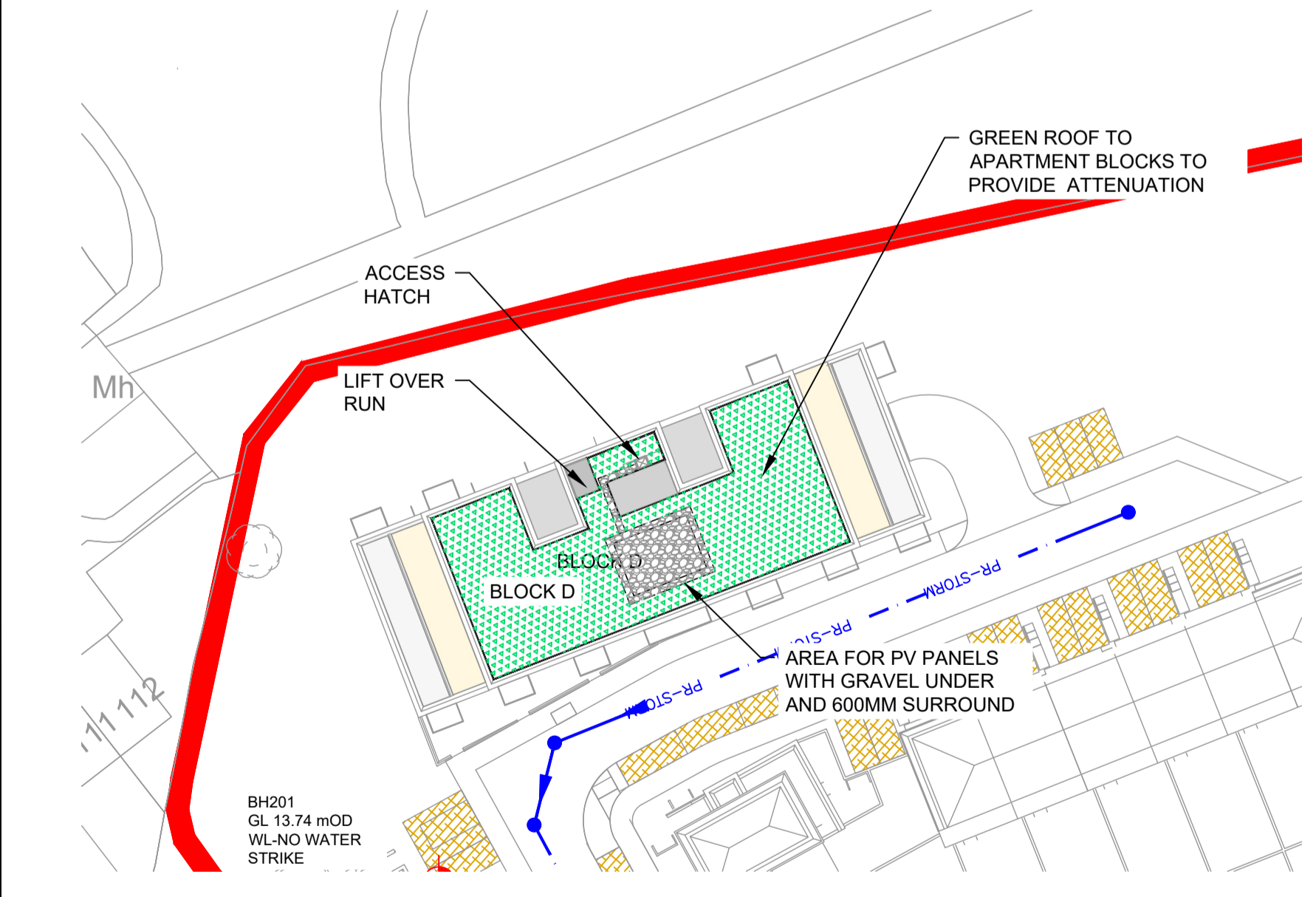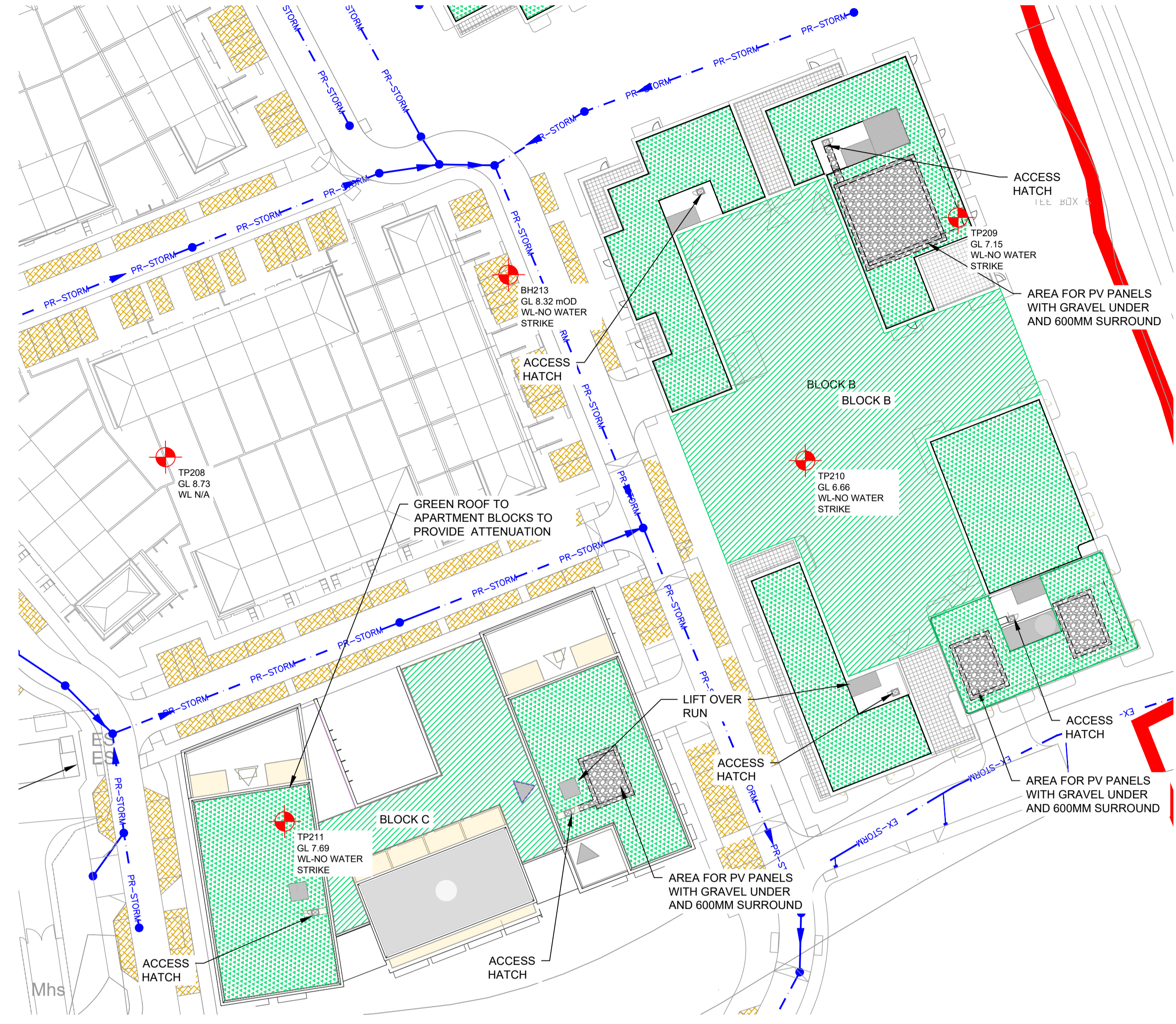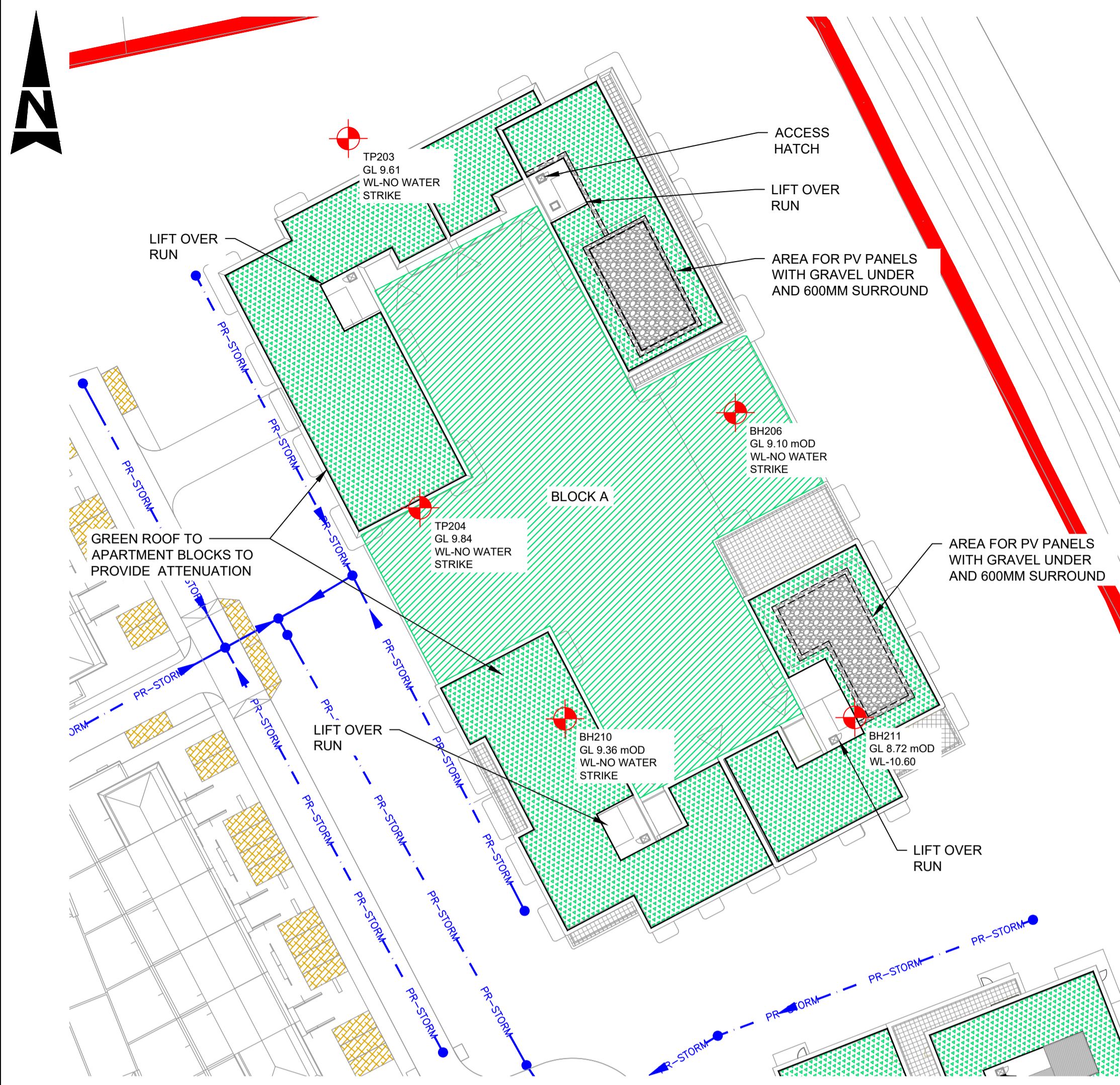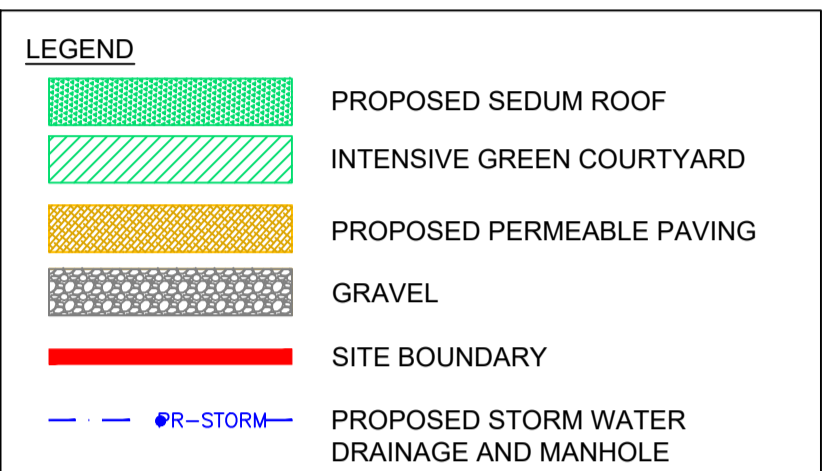A1

DO NOT SCALE

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

NOTE:
PROPOSED GREEN ROOF COURTYARD DESIGNED IN ACCORDANCE WITH DLRCC COUNTY DEVELOPMENT PLAN 2022-2028 APPENDIX 7.2 GREEN ROOF POLICY 2022

LEGEND

	PROPOSED SEDUM ROOF
	INTENSIVE GREEN COURTYARD
	PROPOSED PERMEABLE PAVING
	GRAVEL
	SITE BOUNDARY
--PR-STORM--	PROPOSED STORM WATER DRAINAGE AND MANHOLE

EXTENSIVE GREEN ROOF / SEDUM ROOF

BLOCK A
TOTAL ROOF AREA = 3352 M²
MINIMUM SEDUM ROOF AREA REQUIRED (70%) = 2346.4 M²
TOTAL SEDUM ROOF AREA PROVIDED = 2691.2 M² (80%)

BLOCK B
TOTAL ROOF AREA = 2492 M²
MINIMUM SEDUM ROOF AREA REQUIRED (70%) = 1745 M²
TOTAL SEDUM ROOF AREA PROVIDED = 2379 M² (94%)

BLOCK C
TOTAL ROOF AREA = 1175 M²
MINIMUM SEDUM ROOF AREA REQUIRED (70%) = 822.5 M²
TOTAL SEDUM ROOF AREA PROVIDED = 1011 M² (86%)
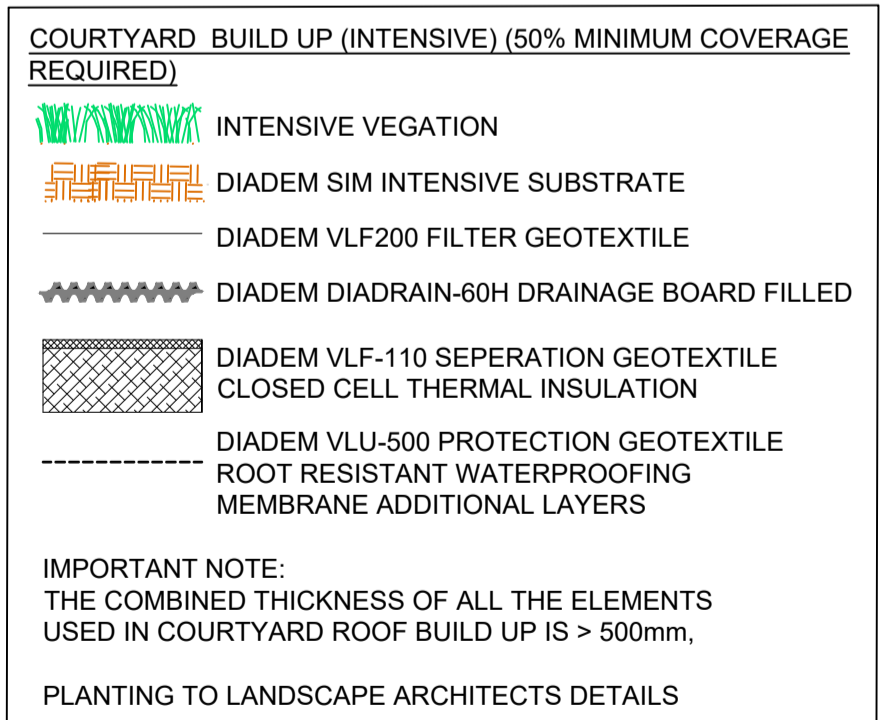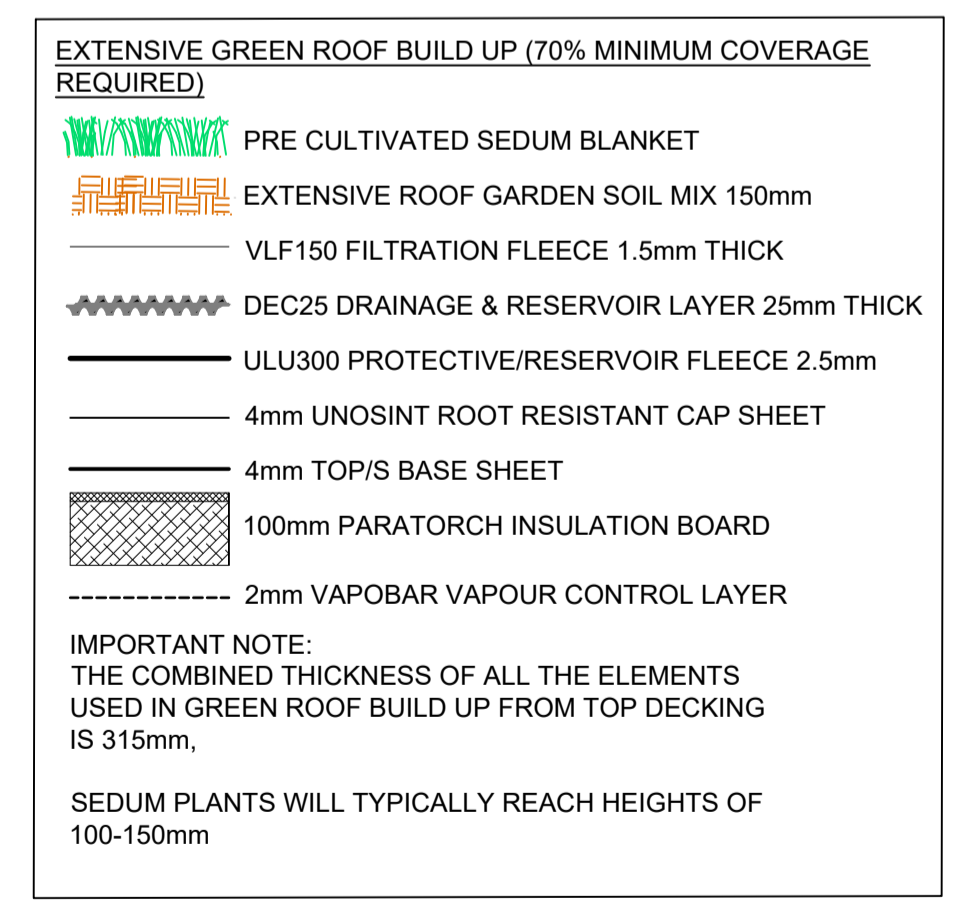
BLOCK D
TOTAL ROOF AREA = 536 M²
MINIMUM SEDUM ROOF AREA REQUIRED (70%) = 375.2 M²
TOTAL SEDUM ROOF AREA PROVIDED = 439 M² (81.9%)

INTENSIVE GREEN ROOF

BLOCK A
TOTAL ROOF AREA = 2537 M²
MINIMUM SEDUM ROOF AREA REQUIRED (50%) = 1268.5 M²
TOTAL SEDUM ROOF AREA PROVIDED = 1522.2 M² (60%)

BLOCK B
TOTAL ROOF AREA = 2329 M²
MINIMUM SEDUM ROOF AREA REQUIRED (50%) = 1165 M²
TOTAL SEDUM ROOF AREA PROVIDED = 1398 M² (60%)

BLOCK C
TOTAL ROOF AREA = 595 M²
MINIMUM SEDUM ROOF AREA REQUIRED (50%) = 298 M²
TOTAL SEDUM ROOF AREA PROVIDED = 357 M² (60%)

EXTENSIVE GREEN ROOF BUILD UP (70% MINIMUM COVERAGE REQUIRED)

- 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

COURTYARD BUILD UP (INTENSIVE) (50% MINIMUM COVERAGE REQUIRED)

- 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

Purpose: **PLANNING**

Title: PROPOSED GREEN INTENSIVE COURTYARD AND EXTENSIVE ROOF LAYOUT

ATKINS
Member of the SNC-Lavalin Group

Client: SHANKILL PROPERTY INVESTMENTS LTD

Project: COASTAL QUARTER SHD 2

Original Scale	Design/Drawn	Checked	Authorised
1:500 at A1	PS	AC	GH
1:1000 at A3	Date 26.05.22	Date 26.05.22	Date 26.05.22

Status: P

Drawing Number: 5214419-ATK-01-ZZ-DR-CE-0601

Rev: P01

Rev	Description	By	Date	Chk'd	Auth
P01	ISSUED FOR PLANNING	PS	06.09.22	AC	GH

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BLOCK A
BLOCK B
BLOCK C
BLOCK D

ACCESS HATCH
LIFT OVER RUN
AREA FOR PV PANELS WITH GRAVEL UNDER AND 600MM SURROUND
GREEN ROOF TO APARTMENT BLOCKS TO PROVIDE ATTENUATION

TP203 GL 9.61 WL-NO WATER STRIKE
TP204 GL 9.84 WL-NO WATER STRIKE
BH206 GL 9.10 mOD WL-NO WATER STRIKE
BH210 GL 9.36 mOD WL-NO WATER STRIKE
BH211 GL 8.72 mOD WL-10.60
TP208 GL 8.73 WL N/A
BH213 GL 8.32 mOD WL-NO WATER STRIKE
TP209 GL 7.15 WL-NO WATER STRIKE
TP210 GL 6.66 WL-NO WATER STRIKE
TP211 GL 7.69 WL-NO WATER STRIKE
BH201 GL 13.74 mOD WL-NO WATER STRIKE