

ATTENUATION CATCHMENT OVERVIEW

MAIN ATTENUATION (CATCHMENT AREA = 4.9ha)
 a. UNDERGROUND STORAGE
 18 ROWS x 22 CHAMBERS (STORMTECH SC740, OR SIMILAR APPROVED) 750m³
 b. ABOVE GROUND STORAGE
 RECESSED PLAZA ABOVE STORMTECH 700m³
 ROAD BIO-RETENTION WITH FILTER TRENCH UNDER APPROX. 375m LONG x 1.0m WIDE x 1.0m DEPTH (40% POROSITY) 150m³
 MAX DISCHARGE QBAR_{URBAN} = 49.5 l/s

MAIN ACCESS ROAD - TO BE TAKEN IN CHARGE (CATCHMENT 2 AREA = 0.57ha)
 ROAD BIO-RETENTION WITH FILTER TRENCH UNDER APPROX. 205m TOTAL LENGTH x 1.2m WIDE x 1.0m DEPTH (40% POROSITY) 98m³
 MAX DISCHARGE QBAR_{URBAN} = 2.5 l/s (south outfall) & 3.0 l/s (north outfall)

ADDITIONAL PHASE II ATTENUATION (CATCHMENT 3) - TO BE DESIGNED IN FUTURE APPLICATION FOR 1.14ha DEVELOPMENT
 MAX DISCHARGE QBAR_{URBAN} = 13.1 l/s

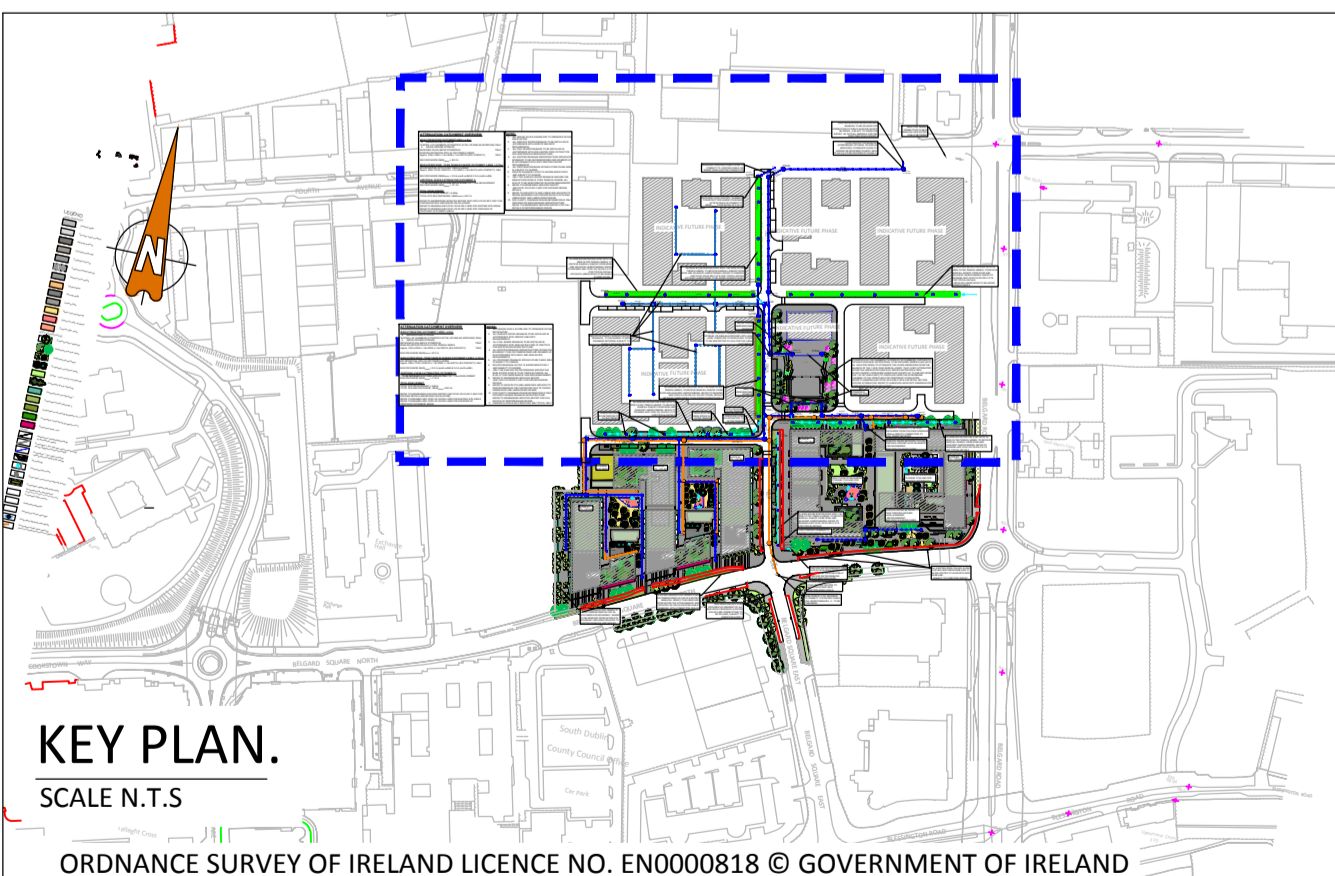
TOTAL DEVELOPMENT
 TOTAL SITE DEVELOPMENT = 6.64ha
 TOTAL SITE MAX DISCHARGE, QBAR_{URBAN} = 68.1 l/s

REFER TO ENGINEERING SERVICES REPORT A557-OCSC-XX-XX-RP-C-0001 FOR FURTHER DETAILS AND DESIGN CALCULATIONS.
 REFER TO DRAWING A557-OCSC-XX-XX-DR-C-0505 FOR EXISTING SITE AREAS
 REFER TO DRAWING A557-OCSC-XX-XX-DR-C-0506 FOR OVERVIEW OF PROPOSED CATCHMENT AREAS.

- NOTES:**
1. ALL DESIGN LEVELS SHOWN ARE TO ORDNANCE DATUM, MALIN DATUM.
 2. ALL SURFACE WATER DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH GDRCOP AND SDCC REQUIREMENTS.
 3. ALL FOUL SEWER DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
 4. ALL EXISTING DRAINAGE INFRASTRUCTURE WITHIN SITE BOUNDARY TO BE DECOMMISSIONED AND GRUBBED UP IN ACCORDANCE WITH SDCC AND IRISH WATER REQUIREMENTS.
 5. ALL PROPOSED DRAINAGE WITHIN FUTURE PHASE AREA IS SUBJECT TO CHANGE.
 6. PRIVATE DRAINAGE LAYOUT IS SHOWN INDICATIVELY AND SUBJECT TO CHANGE.
 7. ONLY THE SURFACE WATER DRAINAGE SERVING THE MAIN ACCESS ROAD IS TO BE TAKEN IN CHARGE. ALL ELSE IS TO BE MAINTAINED BY BUILDING MANAGEMENT.
 8. REFER TO ENGINEERING SERVICES REPORT A557-OCSC-XX-XX-RP-C-0001 FOR FURTHER DESIGN DETAILS.
 9. REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR FURTHER DETAILS OF PAVING, GREEN ROOF AND LANDSCAPING DESIGN.
 10. FOR CLARITY, DRAINAGE DESIGN INFORMATION IS ONLY PROVIDED ON MAIN DRAINAGE INFRASTRUCTURE. REFER TO ENGINEERING SERVICES REPORT FOR FULL DETAILS OF MICRODRAINAGE DESIGN.

LEGEND

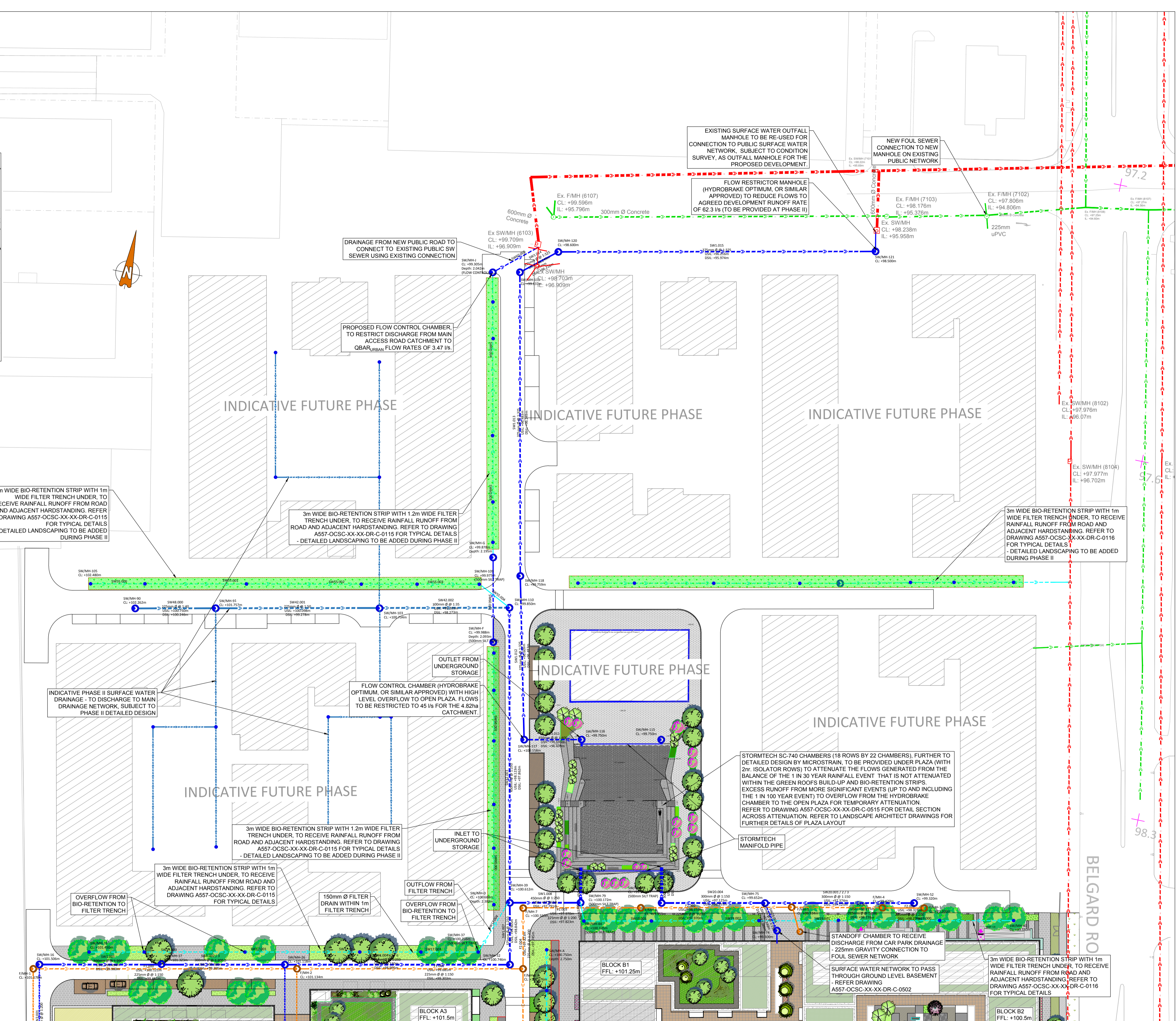
- EXISTING PUBLIC SURFACE WATER SEWER
- EXISTING PUBLIC FOUL SEWER
- EXISTING PUBLIC FOUL SEWER TO BE DECOMMISSIONED
- PROPOSED SURFACE WATER DRAINAGE
- FUTURE SURFACE WATER DRAINAGE (PHASE II)
- PROPOSED WASTEWATER DRAINAGE (uPVC SN=8kn)
- PROPOSED PERFORATED PIPE IN FILTER TRENCH
- PHASE I BIO-RETENTION AREA WITH FILTER TRENCH UNDER
- PHASE II BIO-RETENTION WITH FILTER TRENCH UNDER (INDICATIVE)
- PROPOSED INTENSIVE GREEN ROOF
- PROPOSED EXTENSIVE GREEN ROOF
- NEW / RE-ALIGNED ROAD GULLY
- EXISTING ROAD CULLY
- INDICATIVE FUTURE PHASE



- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	01.06.18	ISSUED FOR PLANNING	MK	LG
P02	08.06.18	SUITABLE FOR REVIEW/COMMENT	JS	MK
C01	19.06.18	ISSUED FOR PLANNING	JS	MK
P03	19.09.18	SUITABLE FOR REVIEW/COMMENT	IK	MK
P04	15.10.18	SUITABLE FOR REVIEW/COMMENT	IK	MK
P05	26.10.18	SUITABLE FOR REVIEW/COMMENT	OG	MK
C02	14.11.18	STAGE COMPLETE - PLANNING	AF	MK
C03	26.11.18	STAGE COMPLETE - PLANNING	OG	MK

PLANNING DRAWING.
 NOT FOR CONSTRUCTION.
 ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.
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Client: ATLAS GP LTD
 Project: BELGARD GARDENS TALLAGHT PHASE 1
 Title: PROPOSED DRAINAGE LAYOUT SHEET 2 OF 2 INDICATIVE PHASE 2 LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
A557-OCSC-XX-XX-DR-C-0502	JS	XX	DR	C	0501	A1	C03	

Date: 01.06.18 Scale: 1:500 @ A1 Drn by:JS Chkd by:MK Aprvd by:AH