



- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND DIMENSIONS IN METERS ABOVE ORDNANCE DATUM (m AOD), UNLESS OTHERWISE NOTED.
 - THE DETAILS SHOWN ON THIS DRAWING HAVE BEEN PRODUCED FOR RIBA STAGE 3, REMAIN SUBJECT TO SAB APPROVAL AND ARE NOT FOR CONSTRUCTION.
 - THE TOPOGRAPHICAL & UTILITY SURVEY INFORMATION SHOWN IS BASED ON AZIMUTH LAND SURVEYS LIMITED DRAWING 'KW4968-01' DATE: MARCH 2026.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH CAMBRIA DRAWING REFERENCE: CC2970-CAM-XX-XX-DR-C-0520-Drainage Details
 - CANOPY DRAINAGE REQUIREMENTS TBC
 - FOUL AS PER CONSILUM DRAWINGS REV P01

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CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO CAMBRIA CONSULTING LIMITED BEFORE PROCEEDING.

THE CONTRACTOR IS TO REFER TO THE SPECIFICATION, FULL SCHEDULE OF RESIDUAL RISKS IN THE CONTRACT DOCUMENTATION AND ALSO TO INFORMATION FROM OTHER DESIGNERS, IN PARTICULAR THE M&E CONSULTANT REGARDING EXISTING LIVE SERVICES.

 THIS SYMBOL IS USED TO HIGHLIGHT INSTANCES OF RISK WITHIN THE CONSTRUCTION PROCESS. ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

- KEY**
- PROPOSED SURFACE WATER
 - PROPOSED FOUL SEWER
 - PROPOSED LAND / FILTER DRAIN
- SUDS:**
- GREEN ROOF
 - RAINGARDEN
 - ATTENUATION
 - PERMEABLE BLOCK
 - PERMEABLE TARMAC
 - RESURFACING ONLY - SAB EXEMPT
- EXISTING DRAINAGE TO BE MADE REDUNDANT**
- EXISTING SURFACE WATER DRAINAGE**
- EXISTING FOUL WATER DRAINAGE**
- RWP:** RAINWATER DOWNPIPE
- ACO SWALE INLET / OUTLET**
- THRESHOLD / LINEAR DRAIN**
- SVP:** INTERNAL FOUL CONNECTION
- FG:** PROPOSED FOUL GULLY
- EXTERNALS:**
- PERMEABLE TARMAC (5% CBR)
 - PERMEABLE TARMAC (3% CBR)
 - PERMEABLE BLOCK (5% CBR)
 - RAINGARDEN
 - SOFT LANDSCAPING
 - CONCRETE SLAB
 - HB2 (HALF-BATTERED) KERB LAID TO MAX 125mm UPSTAND
 - BN (BULLNOSED) KERB LAID TO MAX 6mm UPSTAND
 - TK (TRANSITION) KERB
 - EF (EDGING) KERB LAID TO BACK OF FOOTPATHS
 - RETAINING STRUCTURE
 - EXISTING WALL TO BE REMOVED

P02	RIBA STAGE 4 / SAB ISSUE	Rev.	Description	By	Chk	App

Client:
KNOX & WELLS

Project:
YGG TREGELES

Drawing Title:
**PHASE 3
MAIN WORKS
DRAINAGE GA**

Drawing No:
CC2970 CAM XX XX DR C 0702

Project	Originator	Function	Special	Form	Disc	Number
S4	STAGE 4					

CAMBRIA
Constructive Thinking

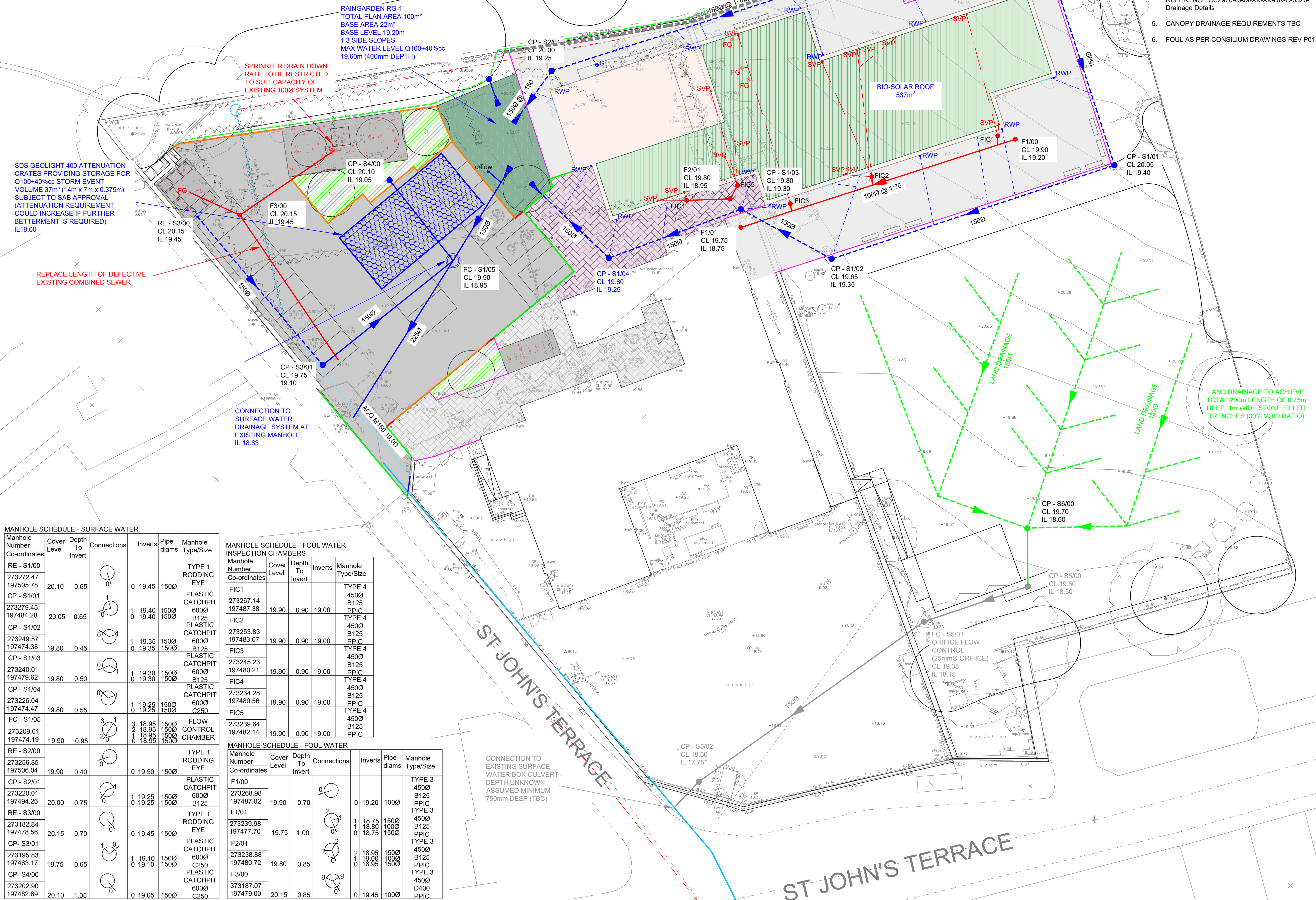
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MANHOLE SCHEDULE - SURFACE WATER						
Manhole Number	Cover Level	Depth To Invert	Connections	Inverts	Pipe diams	Manhole Type/Size
RE - S1/00	273272.47	20.10	0	0	19.45	1500
CP - S1/01	273279.45	20.05	0	1	19.40	1500
CP - S1/02	273249.57	19.80	0	1	19.35	1500
CP - S1/03	273240.01	19.80	0	1	19.30	1500
CP - S1/04	273226.04	19.80	0	1	19.25	1500
FC - S1/05	273209.61	19.90	0	3	18.95	1500
RE - S2/00	273256.85	19.90	0	0	19.50	1500
CP - S2/01	273220.01	20.00	0	1	19.25	1500
RE - S3/00	273192.84	20.15	0	0	19.45	1500
CP - S3/01	273195.83	19.75	0	1	19.10	1500
CP - S4/00	273202.90	20.10	0	0	19.05	1500

MANHOLE SCHEDULE - FOUL WATER INSPECTION CHAMBERS				
Manhole Number Co-ordinates	Cover Level	Depth To Invert	Inverts	Manhole Type/Size
FIC1				TYPE 4 450Ø B125 PPIC
273267.14 197487.38	19.90	0.90	19.00	
FIC2				TYPE 4 450Ø B125 PPIC
273253.83 197483.07	19.90	0.90	19.00	
FIC3				TYPE 4 450Ø B125 PPIC
273245.23 197480.21	19.90	0.90	19.00	
FIC4				TYPE 4 450Ø B125 PPIC
273234.28 197480.56	19.90	0.90	19.00	
FIC5				TYPE 4 450Ø B125 PPIC
273239.64 197482.14	19.90	0.90	19.00	

MANHOLE SCHEDULE - FOUL WATER						
Manhole Number	Cover Level	Depth To Invert	Connections	Inverts	Pipe diams	Manhole Type/Size
F1/00	273268.98	19.90	0	0	19.20	1000
F1/01	273239.98	19.75	0	1	18.75	1500
F2/01	273238.88	19.80	0	2	18.95	1500
F3/00	373187.07	20.15	0	0	19.45	1000



SDS GEOLIGHT 400 ATTENUATION CRATES PROVIDING STORAGE FOR Q100+40%cc STORM EVENT VOLUME 37m³ (14m x 7m x 0.375m) SUBJECT TO SAB APPROVAL (ATTENUATION REQUIREMENT COULD INCREASE IF FURTHER BETTERMENT IS REQUIRED) IL19.00

REPLACE LENGTH OF DEFECTIVE EXISTING COMBINED SEWER

CONNECTION TO SURFACE WATER DRAINAGE SYSTEM AT EXISTING MANHOLE IL 18.83

RAINGARDEN RG-1
TOTAL PLAN AREA 100m²
BASE AREA 22m
BASE LEVEL 19.20m
1:3 SIDE SLOPES
MAX WATER LEVEL Q100+40%cc 19.60m (400mm DEPTH)

SPRINKLER DRAIN DOWN RATE TO BE RESTRICTED TO SUIT CAPACITY OF EXISTING 1000 SYSTEM

BIO-SOLAR ROOF 537m²

LAND DRAINAGE TO ACHIEVE TOTAL 200m LENGTH OF 0.75m DEEP, 1m WIDE STONE FILLED TRENCHES (30% VOID RATIO)

ST JOHN'S TERRACE

ST JOHN'S TERRACE