



SHEET 3

Existing security fencing to act as tree protection along this boundary

Cemetery

G9

C8

Hedge <75mm
Stem diameter

Hedge <75mm
Stem diameter

Hedge <75mm
Stem diameter

Hedge <75mm
Stem diameter

Hedge <75mm
Stem diameter

Scrub <75mm
Stem Diameter

SHEET 2

SHEET 1

NOTES:

1. PROPOSED DRAINAGE DESIGN IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT H & SEWERS FOR ADOPTION 7TH EDITION.
2. DRAINAGE DESIGN SUBJECT TO DETAILED HYDRAULIC MODELLING & CONSULTATION WITH SAB.
3. DRAINAGE RATES, ATTENUATION STORAGE & EXTENT OF ABOVE GROUND SUDS SUBJECT TO SAB APPROVAL.
4. ALL DOWNPIPES TO DISCHARGE TO SUDS FEATURES VIA ABOVE GROUND CHANNELS AND BELOW GROUND PIPES.
5. ALL PIPEWORK Ø150 UNLESS OTHERWISE STATED.
6. ALL CHAMBER COVERS LOCATED IN VEHICLE TRAFFICKED AREAS TO BE LOAD CLASSIFICATION: D400.
7. ALL CHAMBER COVERS LOCATED IN NON-VEHICLE TRAFFICKED AREAS TO BE LOAD CLASSIFICATION: B125.
8. RAINWATER PIPES POSITIONS ARE SHOWN INDICATIVELY AND ARE TO BE CONFIRMED BY THE ARCHITECT.

NOTES: EXISTING MANHOLES & DRAINS

1. THE POSITIONS AND LEVELS SHOWN FOR EXISTING MANHOLES AND DRAINS ARE APPROXIMATE
2. AT THE COMMENCEMENT OF WORKS THE CONTRACTOR SHALL UNDERTAKE A FULL SURVEY OF THE EXISTING DRAINAGE TO VERIFY THE DETAILS SHOWN. ANY SIGNIFICANT DISCREPANCIES OR ANY ADDITIONAL DRAINAGE NOT IDENTIFIED SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY
3. IF ANY EXISTING FOUL OR SURFACE DRAIN THAT HAS NOT BEEN IDENTIFIED IS FOUND WITHIN THE SITE THE CONTRACTOR IS TO INVESTIGATE THE ORIGIN AND STATUS OF THE DRAIN AND REPORT TO THE ENGINEER FOR INSTRUCTION
4. REDUNDANT DRAINS ARE TO BE DEALT WITH AS FOLLOWS 4.1. WITHIN THE FOOTPRINT OF THE NEW BUILDING -DRAINS ARE TO BE REMOVED AND THE RESULTING TRENCH BACKFILLED AND COMPACTED WITH SUITABLE FILL MATERIAL. 4.2 OUTSIDE THE BUILDING FOOTPRINT: DEPTH >1.0m FROM FINISHED LEVELS TO CROWN OF PIPE :- DRAINS ARE TO BE ABANDONED DEPTH <1.0m FROM FINISHED LEVELS TO CROWN OF PIPE :-DRAINS TO BE REMOVED REMOVED AND BACKFILLED 4.3 ALL ABANDONED DRAIN RUNS SHALL BE SEALED AT EACH END WITH GEN3 CONCRETE
5. MANHOLES TO BE REMOVED SHALL BE COMPLETELY BROKEN OUT AND BACKFILLED WITH SUITABLE COMPACTED FILL MATERIAL. UNDAMAGED COVERS AND FRAMES SHALL BE RETAINED ON SITE FOR RE-USE WHERE APPROPRIATE.
6. WHERE NEW MANHOLES ARE TO BE CONSTRUCTED ON EXISTING DRAIN RUNS, ROCKER PIPES SHALL BE INSTALLED ON ALL ENTRIES, INCLUDING THE EXISTING RUN, IN ACCORDANCE WITH THE SPECIFICATION.

MANHOLE SCHEDULE - SURFACE WATER

Manhole Number	Cover Level	Depth To Pipe Invert	Connections To Pipe	Inverts	Pipe diam	Manhole Type/Size
CP S1/00			EX 1 2	2	14.75	13500 CATCHPIT D400
333561.43			EX 1 2	2	14.78	13500 CATCHPIT D400
190581.17	15.61	1.53	0	0	14.98	15000 CATCHPIT D400
CP S1/01			AT2 2 1	2	15.44	15000 CATCHPIT D400
333551.12			AT2 2 1	2	15.44	15000 CATCHPIT D400
190544.55	15.81	2.03	0	0	13.78	15000 CATCHPIT D400
CP S1/01A			Q	0	14.12	TYPE 4 6000 D400 PPIC
333532.90			Q	0	14.12	13500 CATCHPIT B125
190563.15	15.81	1.69	0	0	14.12	13500 CATCHPIT B125
CP S1/02			Q	0	14.12	13500 CATCHPIT B125
190514.16	15.61	2.11	0	0	14.12	13500 CATCHPIT B125
333517.91			Q	0	14.12	13500 CATCHPIT B125
190514.16	15.61	2.11	0	0	14.12	13500 CATCHPIT B125
FC S1/03			AT 1 3	3	14.88	15000 FLOW CONTROL B125
333486.29			AT 1 3	3	14.88	15000 FLOW CONTROL B125
190485.26	15.45	2.83	0	0	12.62	15000 CATCHPIT B125
CP S1/03A			Q	0	14.93	15000 CATCHPIT B125
333470.78			Q	0	14.93	15000 CATCHPIT B125
190502.26	15.50	2.35	0	0	13.15	15000 CATCHPIT D400
CP S2/00			Q	0	14.04	15000 CATCHPIT D400
333515.38			Q	0	14.04	15000 CATCHPIT D400
190550.44	15.64	1.60	0	0	14.04	15000 CATCHPIT D400
CP S2/01			Q	0	13.88	15000 CATCHPIT D400
333503.29			Q	0	13.88	15000 CATCHPIT D400
190539.47	15.49	1.61	0	0	13.88	15000 CATCHPIT D400
CP S2/02			Q	0	13.84	15000 CATCHPIT D400
333494.71			Q	0	13.84	15000 CATCHPIT D400
190531.68	15.48	1.72	0	0	13.76	15000 CATCHPIT D400
FC S2/03			Q	0	13.69	12000 FLOW CONTROL D400
333474.00			Q	0	13.69	12000 FLOW CONTROL D400
190512.90	15.43	1.95	0	0	13.48	15000 CATCHPIT D400
S2/04			Q	0	12.79	TYPE 4 6000 B125 PPIC
333462.86			Q	0	12.79	15000 CATCHPIT A15
190503.07	14.54	1.75	0	0	12.79	15000 CATCHPIT A15
CP S3/00			Q	0	13.91	4500 CATCHPIT A15
333500.76			Q	0	13.91	4500 CATCHPIT A15
190542.23	15.31	1.20	0	0	13.91	4500 CATCHPIT A15
CP S4/00			Q	0	13.98	4500 CATCHPIT A15
333472.59			Q	0	13.98	4500 CATCHPIT A15
190516.50	15.18	1.20	0	0	13.98	4500 CATCHPIT A15
S5/00			Q	0	14.24	TYPE 4 4500 B125 PPIC
333475.49			Q	0	14.24	15000 CATCHPIT B125
190526.76	15.59	1.35	0	0	14.16	15000 CATCHPIT B125
S5/01			Q	0	14.16	4500 CATCHPIT B125
333467.07			Q	0	14.16	4500 CATCHPIT B125
190519.06	15.51	1.35	0	0	14.16	4500 CATCHPIT B125
CP S5/02			Q	0	14.13	6000 CATCHPIT B125
333464.11			Q	0	14.13	6000 CATCHPIT B125
190517.66	15.09	1.55	0	0	13.54	15000 CATCHPIT B125

* DENOTES LEVELS TO BE CONFIRMED

KEY

TREES TO BE CONSIDERED FOR RETENTION.

- A - HIGH
- B - MODERATE
- C - LOW
- ROOT PROTECTION AREA

TREES UNSUITABLE FOR RETENTION.

- U - FELL
- TREES LOST TO DEVELOPMENT

TREE KEY

CROWN SPREAD. MEASURED IN NORTH, SOUTH, EAST AND WEST SIDE OF TREE.

TREE NUMBER. (T - INDIVIDUAL TREE, G - GROUP, A - TREE AREA, W - WOODLAND, H - HEDGEROW)

ROOT PROTECTION AREA (RPA) A LAYOUT DESIGN TOOL INDICATING THE MINIMUM AREA AROUND A TREE DEEMED TO CONTAIN SUFFICIENT ROOTS AND ROOTING VOLUME TO MAINTAIN THE TREE'S VIABILITY, AND WHERE THE PROTECTION OF THE ROOTS AND SOIL STRUCTURE IS TREATED AS A PRIORITY.

THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE CAERLEON COMPREHENSIVE SCHOOL TREE SURVEY & CATEGORISATION REPORT JUNE 2024 (AMBLER S.J.)

THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR. A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

TREE PROTECTIVE FENCE

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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

- EXISTING SURFACE WATER DRAINAGE
- EXISTING TO BE MADE REDUNDANT
- SURFACE WATER DRAINAGE PIPE (CARRIER)
- SURFACE WATER DRAINAGE PIPE (PERFORATED)
- SURFACE WATER DRAINAGE CHAMBER
- LINEAR / THRESHOLD CHANNEL DRAIN
- RAINWATER DOWNPIPE
- RODDING EYE
- ACO SUDS OVERFLOW GULLY
- RAINGARDEN
- PERMEABLE BLOCK PAVING
- PERMEABLE ASPHALT PAVING
- GREEN/BLUE ROOF
- IMPERMEABLE TEMPORARY SPORTS HALL ROOF
- GREEN/BLUE URBAN SUDSPOD® RAISED PLANTERS
- ATTENUATION TANK
- PIPED INLET / OUTLET - SUB SURFACE CONNECTION
- INLET DISCHARGING AT SURFACE LEVEL
- DIFFUSER UNIT AT SUB-BASE FORMATION LEVEL
- FOUL DRAINAGE

P04	ISSUED FOR S73 APPLICATION	RJ	RJ	RJ
P03	ISSUED FOR FULL SAB APPLICATION	GJ	RJ	LKM
P02	UPDATED LANDSCAPING PLAN	GJ	RJ	LKM
P01	ISSUED FOR RIBA STAGE 3.	RJ	RJ	RJ
Rev.	Description	By	Chk	App

Client:



Project:

CAERLEON SCHOOL
CB2183

Drawing Title:

PROPOSED SURFACE
WATER DRAINAGE
OVERVIEW

Drawing No.

CB2183 CAM XX XX DR C 0501

Project Originator Function Spatial Form Disc Number

Status: S4 PRELIMINARY Scale @A1: 1:500 Rev: P04

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