

# Appendix A

## Drawings



- LEGEND
- Morgan Sindall Site Hoarding
  - Water Feature Onsite
  - Biogenie Working Area
  - Welsh Water Foul Sewer Network
  - Area of Groundwater Dewatering

0		First Draft		DATE	
REV	COMMENT				

**Unit 8, Commerce Park**  
Brunel Road  
Theale  
Reading  
RG7 4AB  
01189 167340

**Columbus House**  
Greenmeadow Springs  
Tongwynlais  
Cardiff  
CF15 7NE  
02920 368636

**Chadwick House**  
Warrington Road  
Birchwood Park  
Warrington  
WA3 6AE  
01184 670847

Client  
Morgan Sindall

Project  
SWITCH Port Talbot

Title  
Site Layout

Drawn by	Checked	Date	Authorised	Date
JA				
Original Scale	Date	Rev	Paper	
NTS	09/05/25	0	A3	


Drawing Number  
P6100/3092/25/A1



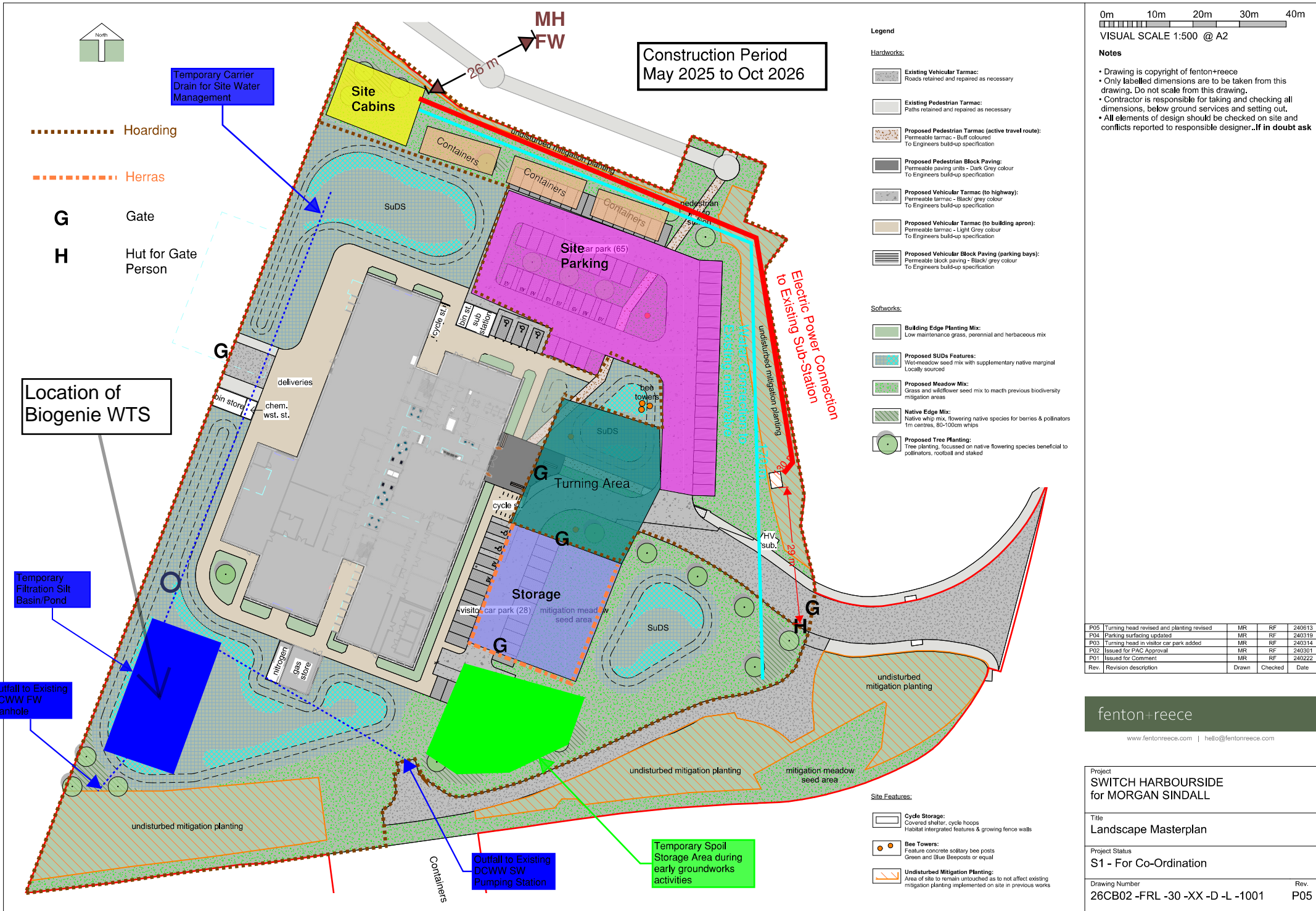


**LEGEND**

- Morgan Sindall Site Hoarding
- Biogenie Working Area

0	First Draft													
REV	COMMENT	DATE												
<div><b>BIOGENIE</b> ORIEC GROUP</div> <table><tr><td>Unit 8, Commerce Park Brunel Road Theale Reading RG7 4AB 01188 167340</td><td>Columbus House Greenmeadow Springs Tongwynlais Cardiff CF15 7NE 02920 368636</td><td>Chadwick House Warrington Road Birchwood Park Warrington WA3 6AE 01184 670847</td></tr></table> <div>Client <b>Morgan Sindall</b></div> <div>Project <b>SWITCH Port Talbot</b></div> <div>Title <b>Local Receptors</b></div> <table><tr><td>Drawn by JA</td><td>Checked Date</td><td>Authorised Date</td></tr><tr><td>Original Scale NTS</td><td>Date 09/05/25</td><td>Rev 0</td></tr><tr><td colspan="2">Drawing Number <b>P6100/3092/25/A2</b></td><td>Paper A3</td></tr></table>			Unit 8, Commerce Park Brunel Road Theale Reading RG7 4AB 01188 167340	Columbus House Greenmeadow Springs Tongwynlais Cardiff CF15 7NE 02920 368636	Chadwick House Warrington Road Birchwood Park Warrington WA3 6AE 01184 670847	Drawn by JA	Checked Date	Authorised Date	Original Scale NTS	Date 09/05/25	Rev 0	Drawing Number <b>P6100/3092/25/A2</b>		Paper A3
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Drawing Number <b>P6100/3092/25/A2</b>		Paper A3												

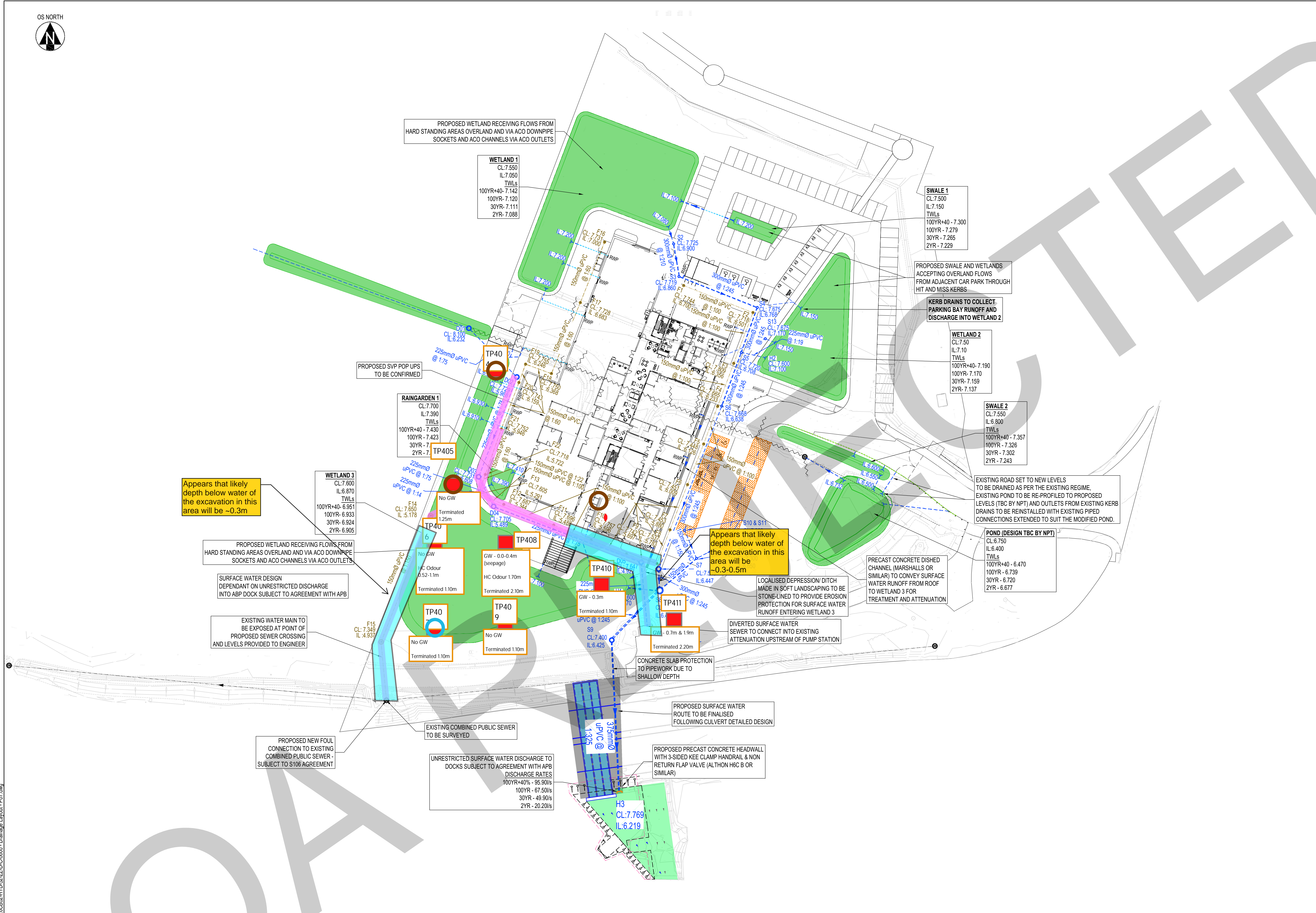








File name: Y:26000-26959-26279 - SWITCH-H01 WIP-D01 Drawing: C26B02-HYD-52-ZZ-D-C-0600 - Drainage Layout - P07.dwg



KEY

- BIORETENTION/SWALES/ WETLANDS
- PROPOSED SURFACE WATER SEWER AND MANHOLE/INSPECTION CHAMBER
- PROPOSED DIVERSION OF EXISTING HIGHWAY SURFACE WATER SEWER AND MANHOLES
- PROPOSED FOUL WATER SEWER
- EXISTING DRAINAGE TO BE DIVERTED/REMOVED
- EXISTING COMBINED WATER DOWN PUBLIC SEWER - LEVELS TO BE SURVEYED AND REPORTED TO ENGINEER
- EXISTING SURFACE WATER SEWER - TO BE MAINTAINED
- PROPOSED CONCRETE HEADWALL WITH NON RETURN FLAP VALVE
- PROPOSED ACO OUTLET/INLET
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BEANIE BLOCK KERBING
- PROPOSED PERMEABLE PAVING

SAB DRAINAGE NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS.
- THE SURFACE WATER DRAINAGE IS SUBJECT TO APPROVAL BY THE SAB.
- THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATION AND CONSTRUCTION PUBLICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.
- ALL SWS PIPEWORK SIZING TO BE CONFIRMED
- DRAINAGE TO ENGINEERED BATTERS AND GROUNDWATER RELIEF CUT OFF DRAINAGE TO BE CONFIRMED BY GEOTECHNICAL ENGINEERS, INCLUDING BUT NOT LIMITED TO ANY REQUIREMENT FOR FIN DRAINAGE ON SLOPES AND ANTICIPATED GROUNDWATER FLOWS.
- DRAINAGE REQUIREMENTS FOR RETAINING STRUCTURES TO BE CONFIRMED BY STRUCTURAL ENGINEERS.
- ALL LAND DRAINAGE TO BE 225mm PERFORATED PIPEWORK BE LAID AT MIN FALL OF 1:200 WITH MIN 600mm COVER TO TOP OF PIPE FROM PROPOSED GROUND LEVEL WITH 450 Ø PLASTIC CATCHPITS UNLESS OTHERWISE SPECIFIED. TYPE 1 (TURF FINISHED) AND TYPE 2 (GRAVEL FINISHED) TO BE USED IN ACCORDANCE WITH LANDSCAPE ARCHITECTS' PREFERENCES.
- THRESHOLD DRAINAGE TO ARCHITECT'S SPECIFICATION.
- ALL DRAINAGE OUTFALLS AND CONNECTIONS TO EXISTING FEATURES/SYSTEMS SHALL BE CHECKED & SURVEYED AND THE RESULTS PASSED TO THE OVERSEEING AUTHORITY / CLIENT IN ADVANCE OF THE START OF DRAINAGE WORKS
- ALL LINEAR DRAIN OUTLETS TO BE Ø100mm AT MINIMUM FALL OF 1 in 150 TO MAXIMUM FALL OF 1 in 10 UNLESS STATED.
- ALL PRIVATE FWS DRAINS TO BE Ø100mm PLASTIC PIPEWORK LAID AT A MINIMUM SLOPE OF 1 in 40 UPSTREAM OF FIRST W.C. CONNECTION ON A RUN. AFTER CONNECTION OF 1st W.C. TO BE LAID AT MINIMUM SLOPE OF 1 in 80 UNLESS STATED.
- PIPEWORK TO HAVE BED AND SURROUND AS FOLLOWS:
  - UNDERNEATH PRIVATE DRIVEWAYS, PARKING AREAS WITH RESTRICTIONS TO PREVENT ACCESS BY VEHICLES IN EXCESS OF 7.5T AND PATHWAYS ADJACENT TO VEHICLE ACCESS TO BE:
    - COVER TO TOP OF PIPE > 0.9m - TYPE S or TYPE T (PLASTIC)
    - COVER TO TOP OF PIPE < 0.9m - TYPE Z (CONCRETE SURROUND)
  - UNDERNEATH DOMESTIC GARDENS AND PATHWAYS WITH NO POSSIBILITY OF VEHICLE ACCESS TO BE:
    - COVER TO TOP OF PIPE > 0.35m - TYPE S or TYPE T (PLASTIC)
    - COVER TO TOP OF PIPE < 0.35m - TYPE Z (CONCRETE SURROUND)

REVISIONS				
P07	27/11/24	Revised for Full SAB Application	KG	CP RB
P06	21/11/24	Revised for Planning	KG	CP RB
P05	15/11/24	Updated to suit flood modelling levels	KG	KG RB
P04	02/08/24	Updated to suit flood modelling levels	JH	JH MA
P03	27/06/24	Updated drainage to suit to additional existing level information and layout alteration	JH	JH MA
P02	19/04/24	Updated drainage to suit to additional existing level information and layout alteration	JH	JH MA
P01	20/03/24	First Issue	HS	JH MA
Rev	Date	Description	By	Ckd App

THIRD FLOOR, WHARTON PLACE  
13 WHARTON STREET  
CARDIFF  
CF10 1GS  
t: +44 (0) 2920 023665  
e: cardiff@hydrock.com

CLIENT  
**MORGAN SINDALL**

PROJECT  
**SWITCH HARBOURSIDE**

TITLE DRAINAGE LAYOUT		
HYDROCK PROJECT NO. <b>C-26279</b>	SCALE @ A1 <b>1:500</b>	STATUS <b>S4</b>
FOR STAGE APPROVAL		REVISION <b>P07</b>
DRAWING NO. (PROJECT-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) <b>26CB02-HYD-52-ZZ-D-C-0600</b>		