



- 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 DCWW PUBLIC SEWER - LEVELS TO BE SURVEYED AND REPORTED TO ENGINEER
 - EXISTING SURFACE WATER SEWER - TO BE MAINTAINED
 - PROPOSED CONCRETE CULVERTS UNDER EXISTING HARBOUR WAY ROAD
 - PROPOSED CONCRETE HEADWALL WITH NON RETURN FLAP VALVE
 - PROPOSED ACO OUTLET/INLET
 - PROPOSED LINEAR DRAINAGE CHANNEL

- SAB DRAINAGE NOTES:**
1. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS.
 2. THE SURFACE WATER DRAINAGE IS SUBJECT TO APPROVAL BY THE SAB.
 3. THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATION AND CONSTRUCTION PUBLICATION IN FORCE IN THE COUNTRY AT THE TIME OF CONSTRUCTION.
 4. ALL SWS PIPEWORK TO BE CONFIRMED.
 5. DRAINAGE TO ENGINEERING 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.
 6. DRAINAGE REQUIREMENTS FOR RETAINING STRUCTURES TO BE CONFIRMED BY STRUCTURAL ENGINEERS.
 7. 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.
 8. THRESHOLD DRAINAGE TO ARCHITECT'S SPECIFICATION.
 9. ALL DRAINAGE OUTFALLS AND CONNECTIONS TO EXISTING FEATURES/SYSTEMS SHALL BE CHECKED & SURVEYED AND THE RESULTS PASSED TO THE OVERSEING AUTHORITY / CLIENT IN ADVANCE OF THE START OF DRAINAGE WORKS
 10. ALL LINEAR DRAIN OUTLETS TO BE Ø100mm AT MINIMUM FALL OF 1 in 150 TO MAXIMUM FALL OF 1 in 10 UNLESS STATED.
 11. 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.
 12. 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).

Filename: Y:\26000-26959\26279 - SWITCH\CH01 - WIP\DR - Drainage\CS\WIP\HYD\26000-0600 Drainage Layout.dwg

Rev	Date	Description	By	Ckd	App
P03	27/07/24	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

Hydrock
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. C-26279	SCALE @ A1 1:500
STATUS DESCRIPTION FOR STAGE APPROVAL	STATUS S4
DRAWING NO. (PROJECT-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) 26CB02-HYD-52-ZZ-D-C-0600	REVISION P03