



- GENERAL NOTES:**
1. ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
 2. REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 3. REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 4. REFER TO ARCHITECT DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 5. ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 6. ALL CAR PARK DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 7. ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (REVISION 2 - JULY 2020), THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 8. ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH PROPOSED ROAD DESIGN LEVELS AND ARCHITECT/LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
 9. ALL BASEMENT CHAMBER COVERS TO BE DOUBLE SEALED, AND CLASSIFICATION D400 LOADING WHERE LOCATED IN VEHICULAR AREAS.
 10. ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 11. REFER TO ARCHITECT AND M&E ENGINEERING DESIGN DRAWINGS FOR CONFIRMATION OF LOCATION AND SPECIFICATION OF FLOOR GULLIES.
 12. REFER TO M&E ENGINEERING DESIGN FOR CONFIRMATION OF WASTE AND SANITARY POP-UP/OUTLET LOCATIONS.
 13. THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
 14. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 15. EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO, AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
 16. ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.

- LEGEND:**
- EXTENT OF WORKS BOUNDARY —
 - EXISTING DRAINAGE AS-PER CLIENT RECORDS - - - - -
 - PROPOSED SURFACE WATER DRAINAGE - - - - -
 - LINE OF EXISTING SITE SERVICES —
 - PROPOSED SURFACE WATER DRAINAGE PRECAST CONCRETE MANHOLE
 - EXISTING SURFACE WATER DRAINAGE MANHOLE AS PER CLIENT RECORDS

WITH PROPOSED TIED TO 2L/s/ha

NEW DETENTION BASIN STORING 108m³ OF WATER FROM HARD STANDINGS IN PHASE 2 ONLY.

TOP WATER LEVEL SUGGESTED TO BE 134.5m. BOTTOM OF BASIN TO BE 133.5m. SIDES OF BASIN TO BE SLOPED AT 1:1. FENCING AROUND PERIMETER IS SUGGESTED DUE TO PROXIMITY OF ADJACENT FACILITY. IT IS PROPOSED TO CONSTRUCT THE POND UNLINED TO ALLOW WATER INGRESS INTO THE GROUND OCCUR.

THE PROPOSED PAVING SYSTEM TO THE FRONT AND SIDE OF THE NEW BUILDING WILL CONSIST OF PERMEABLE PAVING OR PAVING WITH PERMEABLE JOINTING TO ALLOW WATER FILTRATE INTO THE UNDERLYING SOIL SHOULD THE GROUND HAVE CAPACITY. THE PROPOSED PAVING SYSTEM WILL BE LINED WITH A GEOTEXTILE MATERIAL WHICH WILL ALLOW WATER TO PASS. ANY WATER WHICH DOES NOT PERMEATE INTO THE GROUND WILL BE COLLECTED AND PASSED TO THE ADJACENT SURFACE WATER NETWORK AND ATTENUATED AS REQUIRED.

AS PART OF THE ATTENUATION ASSESSMENT FOR PHASE 2 ALONE WE REQUIRE A PERMAVOID OR SIMILAR BLUE ROOF STORAGE SYSTEM ON THE ROOF OF THE PROPOSED FACILITY. THE SYSTEM IS PROPOSED TO BE 150mm DEEP TO ATTENUATE 226m³ OF SURFACE WATER TO 2L/s/ha TAKING THE ROOF AS IT OWN REGION.

NEW FACILITY TO BRIDGE OVER EXISTING SURFACE WATER LINES TO ENSURE NO DAMAGE OCCURS

FLOW CONTROL CHAMBER
CL: 134.247
IL: 132.572
WL: 134.00

NO BENEFIT IS TAKEN FROM THE EXISTING DETENTION BASIN BUILT AS PART OF PHASE 1 WITHIN THE PHASE 2 ATTENUATION CALCULATIONS

EXISTING ATTENUATION POND CONSTRUCTED AS PART OF PHASE 1

LINE OF EXISTING SITE SERVICES

APPROX. LINE OF LIMIT OF SITE FOR INSTALLATION OF INFILTRATION PAD

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DESIGN TEAM DRAWINGS AND SPECIFICATIONS.
- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS. DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CRONIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.

Rev No.	Date	Revision Note	Drn by	Chkd by
P01	26/02/24	SUITABLE FOR INFORMATION	MC	SD
P02	08/07/2024	SUITABLE FOR INFORMATION	MC	SD

Rev No.	Date	Revision Note	Drn by	Chkd by



OCSC
O'CONNOR SUTTON CRONIN
MULTIDISCIPLINARY CONSULTING ENGINEERS
Civil / Structural / Environmental / Mechanical / Electrical / Sustainability
Dublin Office: 9 Prussia Street, Dublin 7, D07 KT57.
Tel: +353 (0)1 8682000 Web: www.ocsc.ie
Dublin · London · Belfast · Galway · Cork · Birmingham

Client: DSD ATHLETICS AND DLRDCC
Project: MULTI PURPOSE LEISURE FACILITY AT ST THOMAS FIELDS
Title: PROPOSED SURFACE WATER LAYOUT SHEET 3 OF 4

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
D823	OCSC	XX	XX	DR	C	0502	S2	P02

Date: FEB '24 Scale @ A1:1:200 Drn by: MC Chkd by: SD Aprvd by: SD