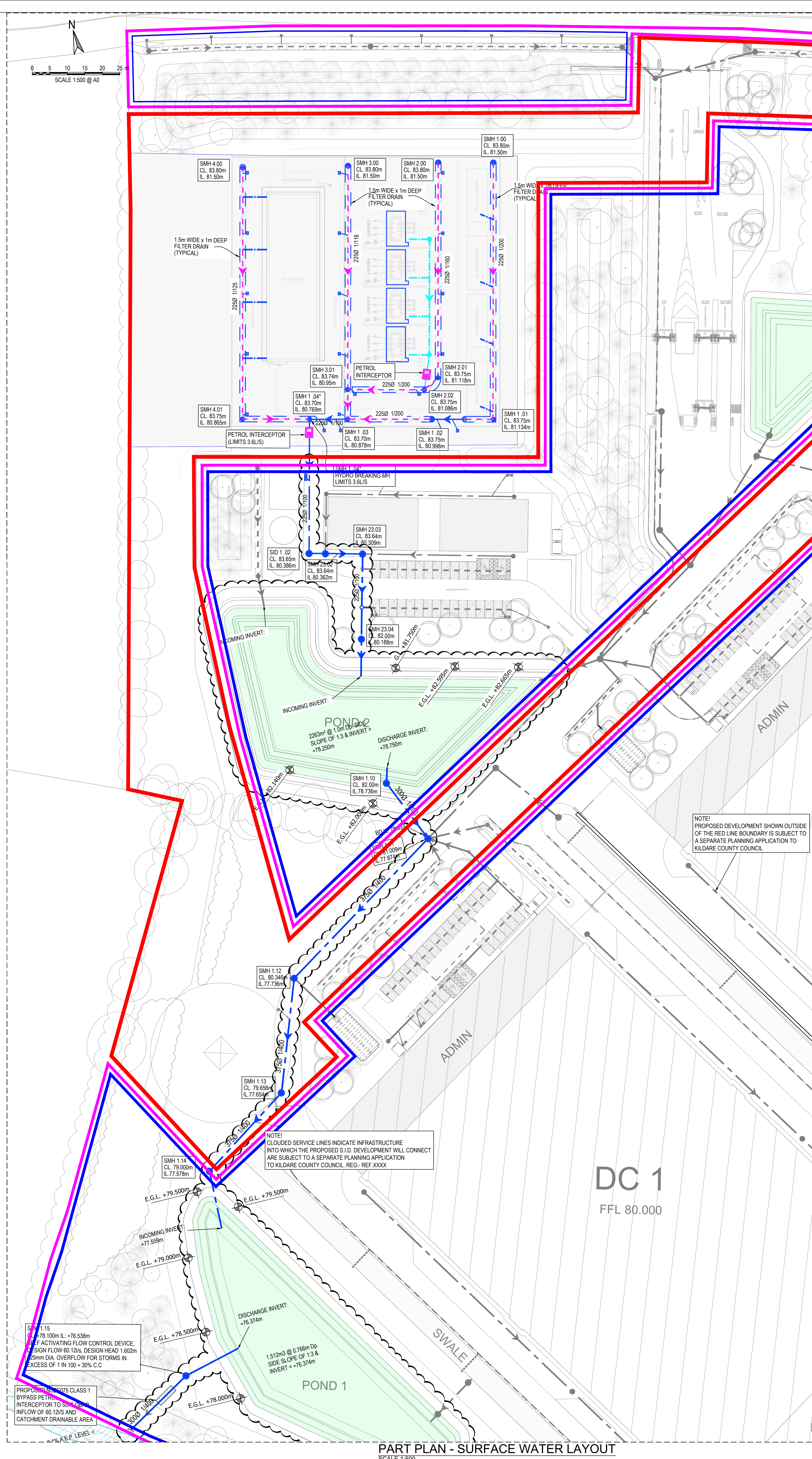


GENERAL LAYOUT
SCALE 1:1000



PART PLAN - SURFACE WATER LAYOUT
SCALE 1:500

SURFACE WATER LEGEND:

- PROPOSED SURFACE WATER DRAINAGE (SD AREA)
- PROPOSED SURFACE WATER DRAINAGE (PERFORATED PIPE) (SD AREA)
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE (FIREWATER RUNOFF)
- PROPOSED SURFACE WATER DRAINAGE (FIREWATER RUNOFF)
- PROPOSED SURFACE WATER MH
- PROPOSED SURFACE W. A/J / IC
- PROPOSED FILTER DRAIN
- PROPOSED SWALES
- PROPOSED RETENTION POND
- PROPOSED BLUE ROOF
- PROPOSED PERMEABLE PAVING CAR PARKING BAYS
- PROPOSED SWALE BARRIERS
- DROPPED KERBS LOCATIONS

NOTE 1: MANHOLE COVER LEVELS ARE APPROXIMATE. ACTUAL COVER LEVELS SHOULD MATCH SURROUNDING FINISHED GROUND LEVELS U.N.O.

NOTE 2: PIPES WITH LESS COVER THAN:
• 600mm FOR GRASSED AREAS
• 900mm FOR FOOTPATHS
• 1200mm FOR ROADS
TO BE SURROUNDED IN 150mm CONCRETE PROTECTION IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-WW-07

NOTE 3: ALL MANHOLE COVERS LOCATED IN GRASS AREAS TO BE SURROUNDED (Min. 200mm SURROUND) IN 100mm THK C20/25 CONCRETE APRON

SURFACE WATER MATERIAL TO BE IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS

- UNPLASTICISED P.V.C. PIPES MUST COMPLY WITH THE PROVISIONAL SPECIFICATION FOR SOIL PIPES, DRAINS, SEWERS & FITTINGS MADE OF UNPLASTICISED P.V.C. ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT
- B.S. 8005 PART 1: SEWERAGE OR EQUIVALENT
- B.S. 8010 PART 2: PIPELINES ON LAND OR EQUIVALENT: DESIGN, CONSTRUCTION & INSTALLATION
- B.S. 8005 PART 6 CODE OF PRACTICE FOR THE INSTALLATION OF UNPLASTICISED P.V.C. PIPEWORK FOR GRAVITY DRAINS & SEWERS OR EQUIVALENT
- DN140 - UNPLASTICISED P.V.C. SEWER PIPE SPECIFICATION
- B.S. 4514 - UNPLASTICISED P.V.C. SOIL PIPE SPECIFICATION
- D&HG SITE DEVELOPMENT WORKS & SECTION H OF THE BUILDING REGULATIONS

SURFACE WATER DRAINAGE MANHOLE SCHEDULE				
REF.	CL	IL	NOTES	
SMH 2.00	83.80	81.50		
SMH 2.01	83.75	81.118		
SMH 2.02	83.75	81.086	DISCHARGE TO SMH 3.01	
SMH 3.00	83.80	81.50		
SMH 3.01	83.74	80.95	DISCHARGE TO SMH 1.03	
SMH 4.00	83.80	81.50		
SMH 4.01	83.75	80.865	DISCHARGE TO SMH 1.04*	
SMH 1.00	83.80	81.50		
SMH 1.01	83.75	81.134		
SMH 1.02	83.75	80.998		
SMH 1.03	83.70	80.878	DISCHARGE FROM SMH 3.01	
SMH 1.04*	83.70	80.769	HYDRO BREAKING MH LIMITS 3.6LS PETROL INTERCEPTOR (LIMITS 3.6LS)	
SID 1.02	83.65	80.386		
SMH 23.02	83.64	80.362		
SMH 23.03	83.64	80.309	BD FROM SMH 24.00 IL +82.215m	
SMH 23.04	82.00	80.188	DISCHARGE TO POND 2 IL +78.250m	
SMH 1.10	82.000	78.736	OUTFALL FROM POND 2 IL +78.750m	
SMH 1.11	81.009	77.874	BD FROM SMH 1.10 - IL +78.637	
SMH 1.12	80.346	77.736		
SMH 1.13	79.656	77.664		
SMH 1.14	79.000	77.578	DISCHARGE TO POND 1 IL +77.559m	
SMH 1.15	79.000	77.325	OUTFALL FROM POND 1 IL +76.374m TO OUT	

HERBATA GREEN ENERGY DATA

LEGEND:

- AREA TO WHICH APPLICATION RELATES
- AREA SUBJECT OF SEPARATE ACC PLANNING APPLICATION
- OTHER LANDS UNDER CONTROL OF THE APPLICANT

KEY PLAN

STATUS

PLANNING

PROJECT HERBATA DATA CENTRE CAMPUS

PROJECT ADDRESS NAAS, CO. KILDARE

DWG TITLE PROPOSED SURFACE WATER DRAINAGE - SID AREA

DWG NO 2232-DOB-ZZ-ZZ-DR-C-0250

REV. **SUABILITY PROJECT NO.** DOBA2232

P09 S3 **SCALE** AS SHOWN @ A0

DATE 27/06/2023 **DR** **MF** **CHK** **RK**

RKD

BSM

DONNACHADH O'BRIEN & ASSOCIATES CONSULTING ENGINEERS