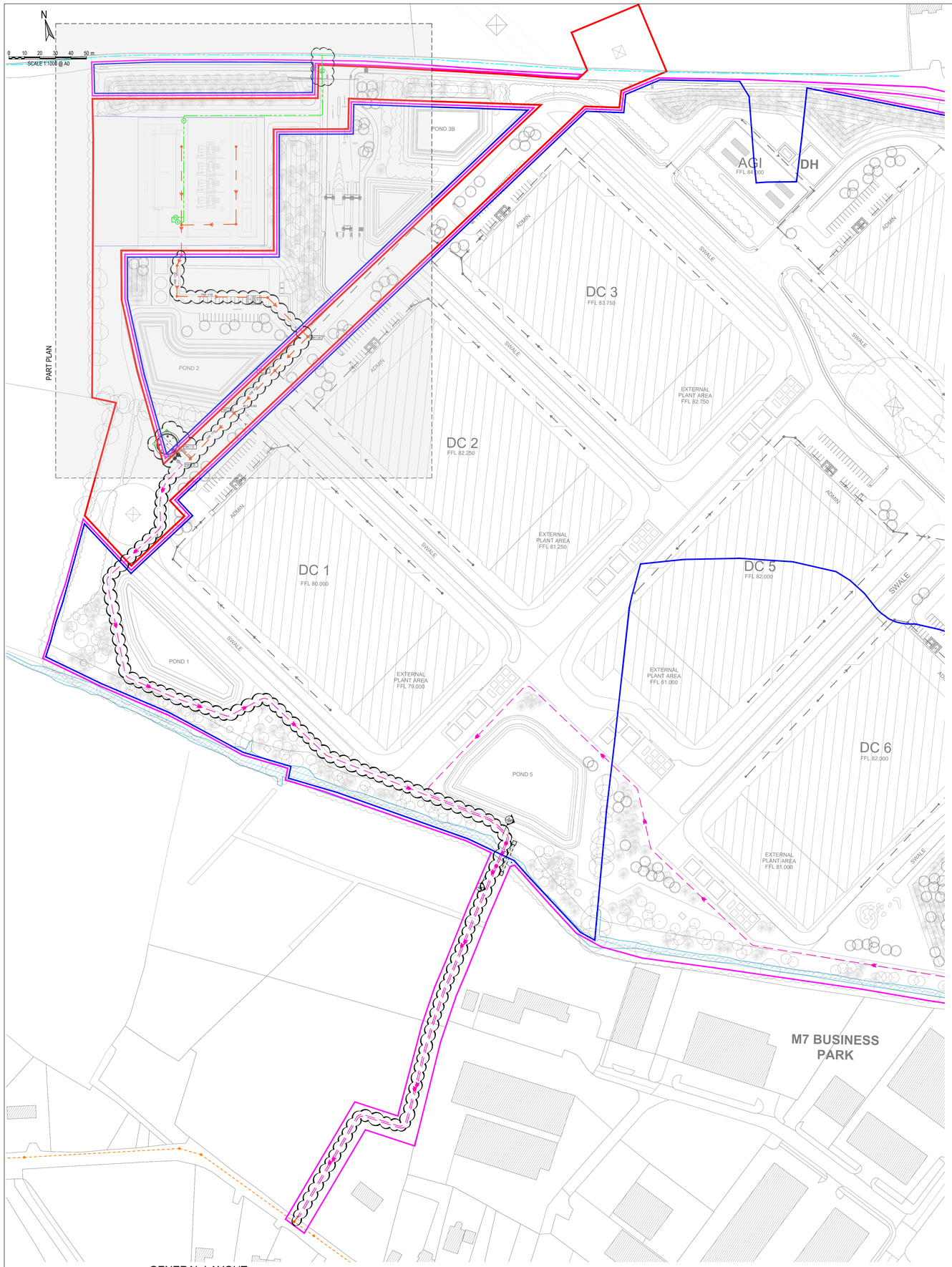
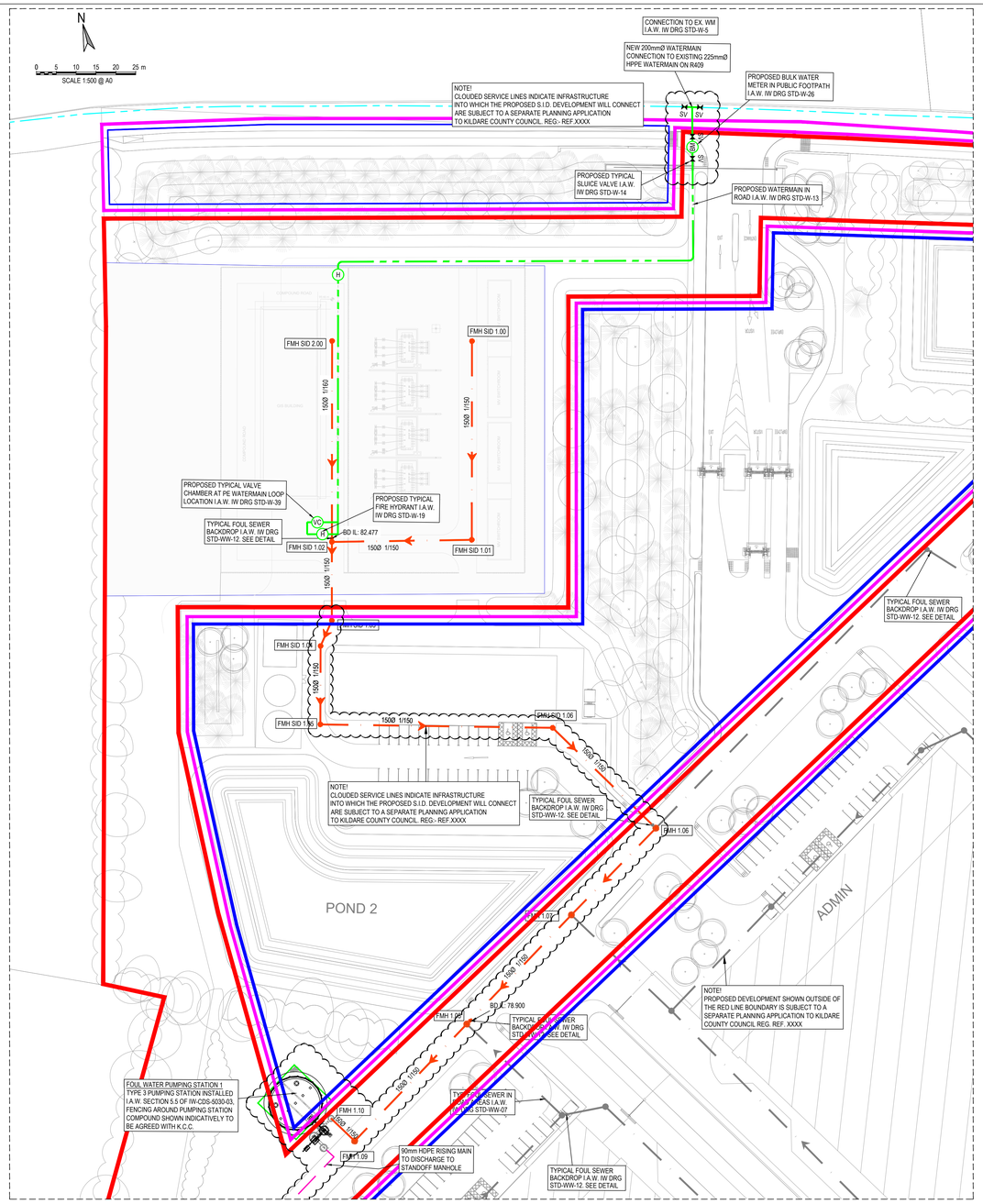


GENERAL LAYOUT
SCALE 1:1000



PART PLAN - FOUL WATER LAYOUT
SCALE 1:500

FOUL WATER DRAINAGE MANHOLE SCHEDULE (SID BUILDING)			
REF.	CL.	IL.	NOTES
FMH SID 1.00	83.750	82.510	
FMH SID 1.01	83.750	82.176	
FMH SID 1.02	83.750	81.942	
FMH SID 1.03	83.720	81.810	BD FROM FMH SID 2.01 @ IL 82.477
FMH SID 1.04	83.700	81.763	
FMH SID 1.05	83.650	81.631	
FMH SID 1.06	83.650	81.242	DISCHARGE TO FMH 1.06 BD IL 81.000
FMH 1.06	82.939	79.356	BD FROM FMH SID 1.06 @ IL 81.000
FMH 1.07	81.924	79.153	
FMH 1.08	81.127	76.952	BD FROM FMH 1.07 @ IL 78.900
FMH 1.09	80.645	76.681	
FMH 1.10	81.000	76.626	TYPE 3 PUMPING STATION
FMH SID 2.00	83.750	82.793	DISCHARGE TO FMH 1.03 BD IL 82.477

FOUL WATER LEGEND:

- PR. FOUL DRAINAGE FOR SID BUILDING
- EXISTING FOUL SEWER
- PR. FOUL DRAINAGE (SEPARATE APPLICATION)
- PR. PUMPED FOUL RISING MAIN
- PROPOSED FOUL WATER MH
- PROPOSED FOUL WATER AJ / IC
- PROPOSED BACKDROP IN MH
- EXISTING WATERCOURSE

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

WATERMAIN LEGEND:

- EXISTING WATERMAIN
- PR. DIA. WATERMAIN
- (H) PR. HYDRANT
- (SM) PR. BULK WATER METER
- SV PR. SLUICE VALVE
- TB THRUST BLOCKS OMITTED FOR CLARITY, TO BE INSTALLED AS PER I.W. TYPICAL DETAILS

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

FOUL PIPE MATERIAL TO BE IN ACCORDANCE WITH IW-CDS-5030-03 SECTION 3.13.2

3.13.2 THERMOPLASTIC STRUCTURAL WALL PIPES; THERMOPLASTIC STRUCTURED WALL PIPES SHALL COMPLY WITH THE PROVISIONS OF IS EN 13476 (2007/2009). PIPES TO BE OF STIFFNESS CLASS 8kN/m² & TO BE CAPABLE OF DEMONSTRATING A JETTING RESISTANCE OF 2,600 PSI (180 BAR) WITHOUT DAMAGE WHEN TESTED IN ACCORDANCE WITH SECTION 3.3 OF WIS 4-35-01 (2008). (SEWER DIAMETERS 150mm UP TO 450mm, SERVICE CONNECTIONS OF 100mm DIAMETER).

WATERMAIN MATERIAL TO BE IN ACCORDANCE WITH IW-CDS-5020-03 SECTION 3.9.2

3.9.2 MDPE & HDPE PIPES SHALL BE OF A TYPE PE-80 & HAVE AN SDR-11 OR SDR-17 RATING. THEY SHALL CONFORM TO IS EN 12201:PART 1 & PART 2 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE & SEWERAGE UNDER PRESSURE - PART 1, GENERAL, & PART 2, PIPES) & I.S. EN 12201-3 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE & SEWERAGE UNDER PRESSURE - PART 3: FITTINGS).

All dimensions to be checked on site. Figured dimensions take preference over scaled dimensions. Any errors or discrepancies to be reported to the author. This drawing may not be edited or modified by the recipient.

A0

HERBATA GREEN ENERGY DATA

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Notes:

1. DO NOT SCALE OFF THIS DRAWING. ALWAYS WORK TO NOTED DIMENSIONS.
2. ALL DIMENSIONS MUST BE VERIFIED ON SITE BEFORE COMPLETING SHOP DRAWINGS OR SETTING OUT THE WORKS.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES DRAWINGS, REPORTS AND SPECIFICATIONS
4. REFER TO ARCHITECTS DRAWINGS FOR ALL SITE & APPLICATION BOUNDARIES
5. REFER TO SURVEY DRAWINGS FOR EXISTING SERVICES LAYOUTS AND MANHOLE INFORMATION
6. ALL EXISTING SURFACES TO BE REINSTATED FOLLOWING DIVERSION OF SERVICES /CONSTRUCTION OF NEW SERVICES
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER & ARCHITECT FOR RESOLUTION
8. CONTRACTOR TO ENSURE ALL WATER & WASTEWATER RELATED WORKS ARE IN ACCORDANCE WITH THE IRISH WATER WATER CODE OF PRACTICE & WASTEWATER INFRASTRUCTURE CODE OF PRACTICE & STANDARD DETAILS DOCUMENTS
9. TESTING OF ALL GRAVITY SEWERS AND MANHOLES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE SECTION 4.10 TESTING OF GRAVITY SEWERS & MANHOLES

LEGEND:

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

KEY PLAN

TRUE NORTH

Rev.	Date	Description
P09	03/05/2024	ISSUED FOR PLANNING
P08	26/01/2024	ISSUED FOR PLANNING
P07	03/11/2023	ISSUED FOR PLANNING
P06	07/09/2023	ISSUED FOR PLANNING
P05	09/08/2023	ISSUED FOR PLANNING
P04	08/08/2023	ISSUED FOR PLANNING
P03	20/07/2023	ISSUED FOR INFORMATION
P02	10/07/2023	PROGRESS ISSUE
P01	30/06/2023	DRAFT ISSUE

STATUS: PLANNING

PROJECT: HERBATA DATA CENTRE CAMPUS

PROJECT ADDRESS: NAAS, CO. KILDARE

DWG TITLE: PROPOSED FOUL & WATERMAIN LAYOUT - SID AREA

DWG NO.: 2232-DOB-ZZ-ZZ-DR-C-0350

REV: P09 | SUITABILITY: S3 | PROJECT NO: DOBA2232 | SCALE: AS SHOWN @ A0

DATE: 27/06/2023 | DRN: MF | CHK: RK

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