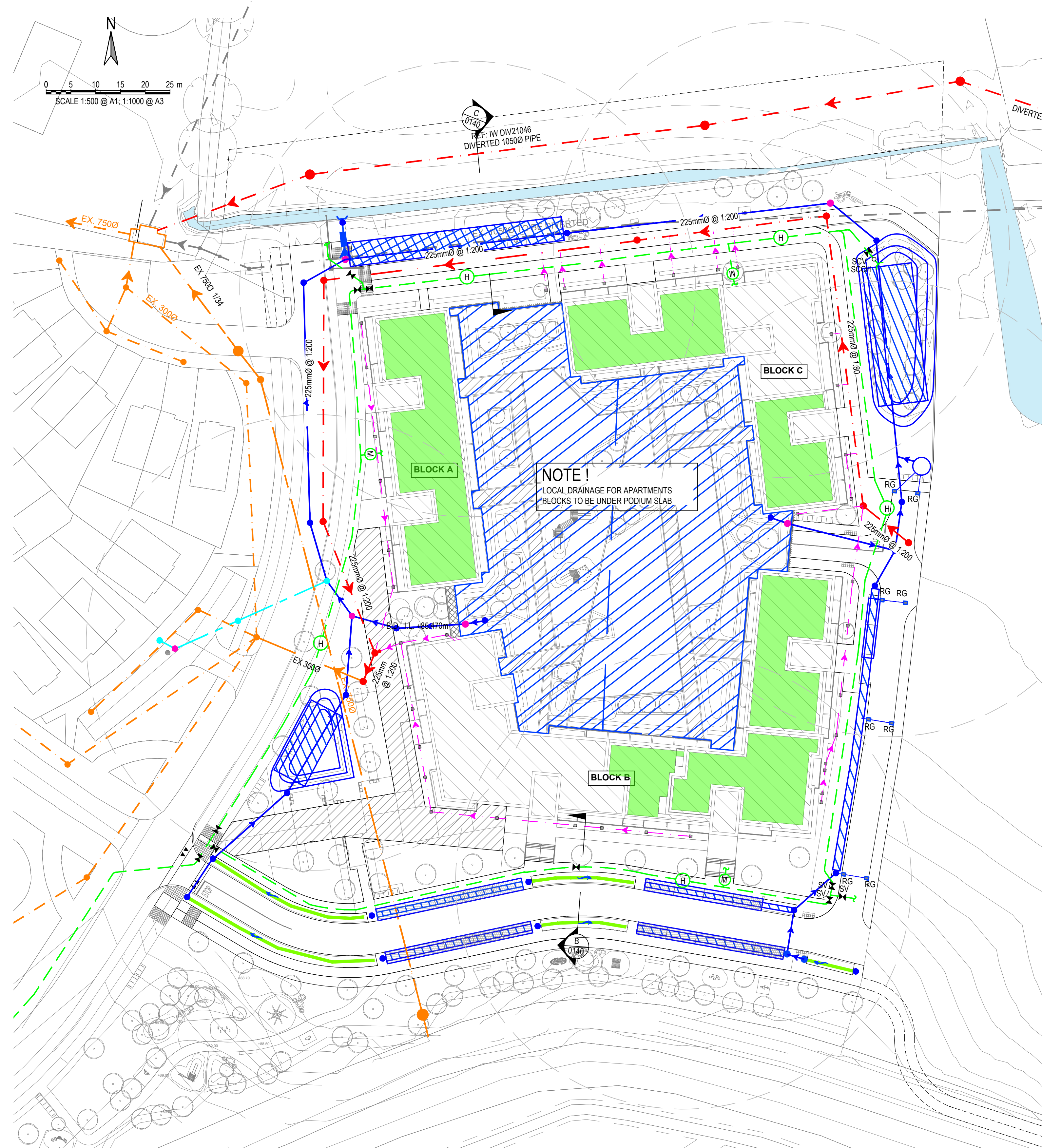


**GENERAL NOTES:**

- FOR STANDARD DOBA NOTES REFER TO DRAWING 2110-S00.1
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S DRAWINGS AND SPECIFICATIONS.
- USE FIGURED DIMENSIONS ONLY. DO NOT SCALE
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ENGINEERING DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER FOR RESOLUTION.
- CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY CONDITION SURVEY OF THE WORKS AREA, PUBLIC ROADS AND RETURN TO ORIGINAL CONDITION FOLLOWING WORKS
- CONTRACTOR TO ALLOW FOR SCANNING AND GPR SURVEY OF THE SITE FOR ANY UNDERGROUND SERVICES PRIOR TO WORKS. REFER TO PUBLIC UTILITIES DRAWINGS FOR APPROXIMATE LOCATION OF EXISTING SERVICES
- REFER TO ARCHITECTS DRAWINGS FOR ALL SITE & APPLICATION BOUNDARIES



**WATERMAIN LEGEND:**

- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED HYDRANT (H)
- PROPOSED BOUNDARY BOX (M)
- PROPOSED BULK WATER METER (BM)
- PROPOSED AIR VALVE (AV)
- PROPOSED SLUICE VALVE (SV)
- PROPOSED SCOUR VALVE (SCV)
- SCOUR CHAMBER (SCCH)

THRUST BLOCKS OMITTED FOR CLARITY, TO BE INSTALLED AS PER I.W. TYPICAL DETAILS

**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).
- PROTECTION OF WATERMAIN TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-12A AND SECTION 3.26 OF THE IRISH WATER CODE OF PRACTICE

**FOUL WATER LEGEND:**

- EXISTING FOUL SEWER
- PR. PHASE 1 FOUL DRAINAGE
- EXISTING FOUL DRAINAGE TO BE DIVERTED
- PROPOSED FOUL WATER MH (FMH)
- PROPOSED FOUL WATER INSPECTION CHAMBER (FIC)
- PROPOSED BACKDROP IN MH (BD)
- PROPOSED UNDERSLUNG LOCAL DRAINAGE (TYPICAL)
- PROPOSED LOCAL DRAINAGE (INDICATIVE)

**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/m<sup>2</sup> & 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).

**SURFACE WATER LEGEND:**

- EXISTING SURFACE WATER
- PROPOSED SURFACE WATER DRAINAGE
- PR. INFILTRATION TRENCH
- PR. SWALE
- PROPOSED SURFACE WATER MH (SMH)
- PR. TREE PIT (TP)
- PR. ATTENUATION TANK
- PR. PERMEABLE PAVING AREAS
- EXISTING WATERCOURSE
- PR. BLUE ROOF
- PR. GREEN ROOF
- PR. GREEN WALL

**FOUL PIPE 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. 5955: PART 6 CODE OF PRACTICE FOR THE INSTALLATION OF UNPLASTICISED P.V.C. PIPEWORK FOR GRAVITY DRAINS & SEWERS OR EQUIVALENT
- EN14011 - UNPLASTICISED P.V.C. SEWER PIPE SPECIFICATION
- B.S. 4514 - UNPLASTICISED P.V.C. SOIL PIPE SPECIFICATION
- DOEHLG 'SITE DEVELOPMENT WORKS' & SECTION H OF THE BUILDING REGULATIONS

**PLANNING ISSUE**

S2.P01	ISSUED FOR PLANNING	08.12.2022	KD	AL
Rev.	Note	Date	Drawn	Check
<p><b>DONNACHADH O'BRIEN</b> &amp; ASSOCIATES CONSULTING ENGINEERS</p>		<p>UNIT 5C ELM HOUSE MILLENNIUM PARK NAAS CO. KILDARE</p>		<p>PHONE +353 45 984 042</p> <p>INFO@DOBRIEN-ENGINEERS.IE WWW.DOBRIEN-ENGINEERS.IE</p>
Client: WESTAR HOMES LTD.				
Project: FINLAY PARK				
Drawing Title: PROPOSED COMBINED DRAINAGE LAYOUT - DRAFT				
Drawn By: NQ	Checked By: AL	Approved By: DOB	Date: OCT 2022	Scale: 1:500
Project Number: DOBA2110		Drawing Number: FINLAY-DOB-XX-SI- DR -C-0025		Status Code: S2
				Rev Number: P01