SERVICES LEGEND:

- PROPOSED FOUL SEWER
- PROPOSED FOUL MANHOLE
- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE
- PROPOSED STORM OUTFALL/OVER FLOW
- PROPOSED SURFACE WATER SOAKAWAY/ATTENUATION
- OIL/PETROL INTERCEPTOR
- RAIN GARDEN – PLANTING TO SPECIALIST LANDSCAPING DETAILS
- TREE PITS – TO SPECIALIST LANDSCAPING DETAILS

1...ALL MAIN DRAINAGE PIPES TO BE min. 150mm DIA. UPVC TO IS EN 1401 & AGREEMENT CERTIFIED U.N.O

2...ALL LOCAL STORM PIPES AROUND HOUSES TO BE MIN.100mm DIA. LAID AT MIN. 1:100 FALLS

3...ALL LOCAL FOUL PIPES AROUND HOUSES TO BE MIN.100mm DIA. LAID AT MIN. 1:60 FALLS

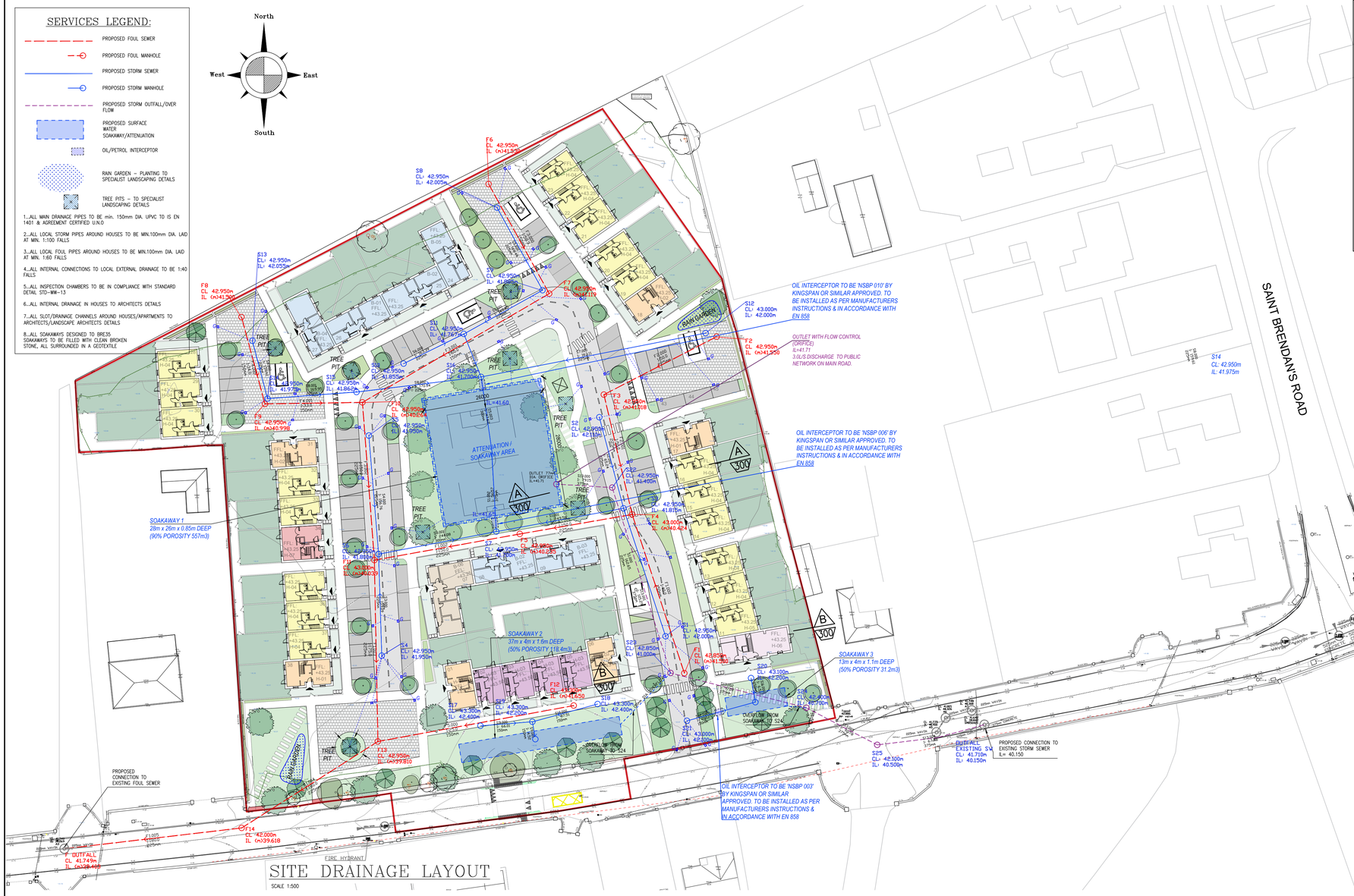
4...ALL INTERNAL CONNECTIONS TO LOCAL EXTERNAL DRAINAGE TO BE 1:40 FALLS

5...ALL INSPECTION CHAMBERS TO BE IN COMPLIANCE WITH STANDARD DETAIL STD–WW–13

6...ALL INTERNAL DRAINAGE IN HOUSES TO ARCHITECTS DETAILS

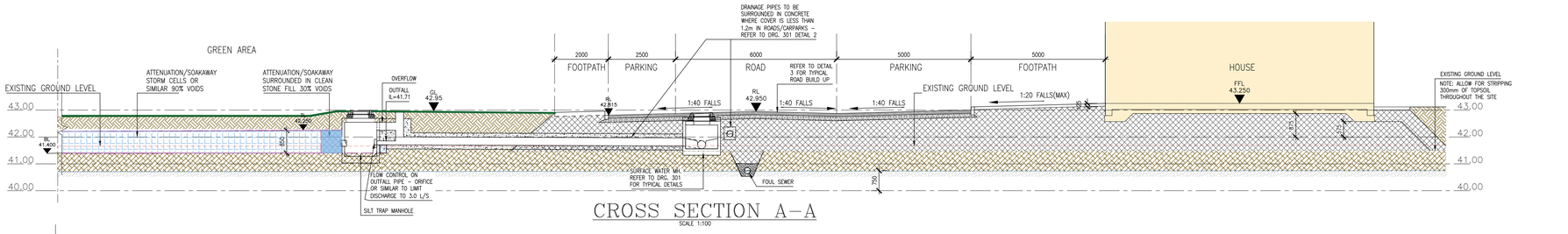
7...ALL SLOT/DRAINAGE CHANNELS AROUND HOUSES/APARTMENTS TO ARCHITECTS/LANDSCAPE ARCHITECTS DETAILS

8...ALL SOAKAWAYS DESIGNED TO BRE365 SOAKAWAYS TO BE FILLED WITH CLEAN BROKEN STONE, ALL SURROUNDED IN A GEOTEXTILE



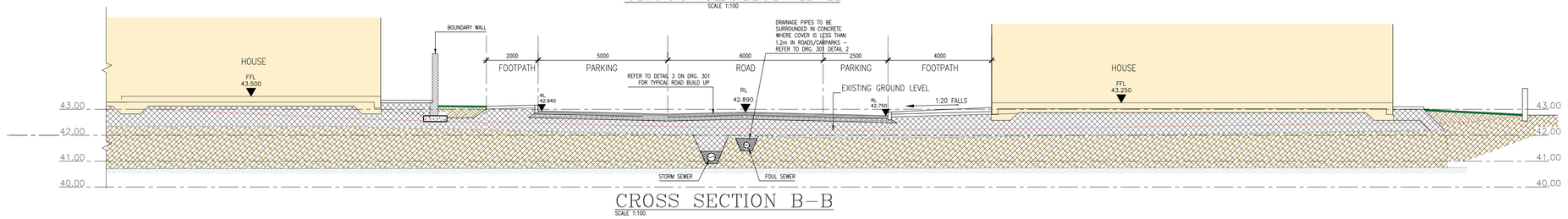
SITE DRAINAGE LAYOUT

SCALE 1:500



CROSS SECTION A–A

SCALE 1:100



CROSS SECTION B–B

SCALE 1:100

EXCAVATION AND FILL NOTES :

1...THE RESPONSIBLE AUTHORITIES SHOULD BE CONSULTED REGARDING THE GROUND TO BE EXCAVATED WITH REGARD TO THE POSITION AND TYPE OF UNDERGROUND SERVICES THAT ARE LIKELY TO BE ENCOUNTERED DURING EXCAVATION AND ANY POSSIBLE DIVERSIONS REQUIRED.

2...THE BEARING STRATA TO BE APPROVED AND AGREED BY THE CONSULTING ENGINEER.

3...TEMPORARY FILL OVER BEARING STRATA TO BE PROVIDED TO PROTECT THE AGREED BEARING STRATA AND REMOVED FROM SITE BEFORE BEGINNING PERMANENT CONSTRUCTION.

4...EXCAVATE TO THE DIMENSIONS, LEVELS, LINES AND PROFILES SHOWN ON THE RELEVANT DRAWINGS. LEVEL AND GRADE TO FALLS AND REMOVE ALL LOOSE MATERIAL. OBTAIN APPROVAL BEFORE ANY CONCRETING OR FILL WORK IS CARRIED OUT. IF ROCK OR OTHER NATURAL STRATA IS ENCOUNTERED NOTIFY THE ARCHITECT AND ENGINEER AND OBTAIN INSTRUCTIONS BEFORE EXCAVATION. BACK FILL UNAUTHORISED OR EXCESS EXCAVATIONS WITH APPROVED FILLING AT NO EXPENSE TO THE CLIENT.

5...WHEN ARCHAEOLOGICAL OBJECTS ARE DISCOVERED DURING EXCAVATION, STOP WORK IN THE IMMEDIATE VICINITY OF THE FIND AND INFORM THE ARCHITECT AND ENGINEER AT ONCE. THE OWNER OF MINERALS, SAND, GRAVEL OR ARCHAEOLOGICAL OBJECTS AND THE LIKE DISCOVERED IN THE COURSE OF THE EXCAVATIONS SHALL BE DEEMED TO BE THE PROPERTY OF THE CLIENT.

6...EXCAVATIONS IN POSITIONS ADJACENT TO EXISTING BUILDINGS, PATHWAYS OR THE LIKE SHALL BE CARRIED OUT IN SUCH A MANNER THAT SUCH EXISTING BUILDINGS, PATHWAYS OR THE LIKE ARE NOT ENDANGERED.

7...KEEP EXCAVATIONS FREE FROM WATER, AND KEEP WATER FROM EXCAVATIONS CLEAR OF OTHER CONSTRUCTION WORK. THE WATER LEVEL MAY BE SEASONAL AND/OR TIDAL. WHERE TEMPORARY SUMPS ARE REQUIRED CONSTRUCT THEM CLEAR OF EXCAVATIONS FOR PERMANENT WORK AND FILL THEM WITH SUITABLE FILLING WHEN NO LONGER REQUIRED.

8...DISPOSAL AREA FOR EXCAVATED MATERIAL TO BE AGREED WITH CLIENT AND OTHER RELEVANT AUTHORITIES.

9...UNLESS OTHERWISE AGREED ALL FILL MATERIAL WITHIN 1.0m OF BUILDINGS SHOULD BE 'GRANULAR FILL S.R. 21 :2014 ANNEX E' COMPACTED IN 200mm LAYERS USING 10 NUMBER PASSES OF A 3000kg PER METER WIDTH VIBRATING ROLLER. SEE COMPACTION SPECIFICATION TABLE

10...FILL MATERIAL MUST BE PROVIDED OVER THE FULL EXTENT OF THE ROADS AND EXTEND AT LEAST 300mm BEYOND KERB LINE. IT MUST THEN TAPER 45DEG DOWN TO BEARING STRATA.

Compaction Specification

Type of Compaction Plant	Catergory	Number of Passes for Layers not exceeding the following compacted thickness: 110mm	225mm	150mm
Smooth–wheeled Roller (or vibratory roller operating without vibration)	Mass per metre width of roll: Over 2700 Kg to 5400Kg	16	unsuitable	unsuitable
	Over 5400 Kg	18	16	unsuitable
Pneumatic–tyred Roller	Mass per metre width of vibrating roll: Over 4000 Kg up to 6000 Kg	12	unsuitable	unsuitable
	Over 6000 Kg up to 8000 Kg	12	unsuitable	unsuitable
	Over 8000 Kg up to 12000 Kg	10	16	unsuitable
	Over 12000 Kg	8	12	unsuitable
Vibratory Roller	Mass per metre width of vibrating roll: Over 700 Kg up to 1300 Kg	16	unsuitable	unsuitable
	Over 1300 Kg up to 1800 Kg	6	16	unsuitable
	Over 1800 Kg up to 2300 Kg	4	6	10
	Over 2300 Kg up to 2900 Kg	3	5	9
	Over 2900 Kg up to 3600 Kg	3	5	8
	Over 3600 Kg up to 4300 Kg	2	4	7
	Over 4300 Kg up to 5000 Kg	2	4	6
	Over 5000 Kg	2	3	5
Vibrating–plate Compactor	Mass per metre of base plate: Over 1400 Kg/m2 up to 1800 Kg/m2	8	unsuitable	unsuitable
	Over 1800 Kg/m2 up to 2100 Kg/m2	5	8	unsuitable
	Over 2100 Kg/m2	3	6	10
Vibro–tamper	Mass: Over 50 Kg up to 65 Kg	4	8	unsuitable
	Over 65 Kg up to 75 Kg	3	6	10
	Over 75 Kg	2	4	8
Power Rammer	Mass: 100 Kg – 500 Kg	5	8	unsuitable
	Over 500 Kg	5	8	12

NOTES

GENERAL NOTES :

1...ALL COYLE KENNEDY DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS AND ALL OTHER RELEVANT DRAWINGS.

2...ALL SETTING OUT, INSULATION, DPC, TANKING / WATERPROOFING, SCREED AND RADON PROTECTION DETAILS BY ARCHITECT & SPECIALIST.

3...DETAILED SPECIFICATIONS (IF NOT ISSUED) ARE AVAILABLE AT ENGINEERS OFFICE FOR INSPECTION BY CONTRACTORS, BY APPOINTMENT.

4...REFER TO ARCHITECT FOR DAMP PROOF, TANKING AND GAS PROOFING MEMBRANE REQUIREMENTS. REQUIREMENTS OF SUBSTRUCTURE GAS/WATER PROOFING MEMBRANES TO BE BY A REPUTABLE, COMPETENT SPECIALIST WITH ADEQUATE PI.

5...THE CONTRACTOR SHALL BE DEEMED TO HAVE ALLOWED FOR, WITHIN HIS TENDER, EMPLOYING A CHARTERED STRUCTURAL ENGINEER WITH ADEQUATE PROFESSIONAL INDEMNITY INSURANCE TO ASSESS, DESIGN AND DETAIL SUCH TEMPORARY WORKS AS ARE NECESSARY TO OFFER SUPPORT TO EXISTING AND/OR CONSTRUCTED ELEMENTS DURING THE CONSTRUCTION PERIOD. THIS APPLIES TO ELEMENTS WITHIN THE SITE AND NEIGHBORING THE SITE.

6...THE CONTRACTOR IS DEEMED TO HAVE VISITED THE SITE AND CONSULTED WITH RELEVANT AUTHORITIES AND BE SATISFIED IN RELATION TO THE SITES SURROUNDINGS, EXISTING SERVICES, LEVELS, BOUNDARIES, GROUND CHARACTERISTICS AND ANY OTHER SITE CONSTRAINTS, INCLUDING DIVERSION OF SERVICES AS NECESSARY.

7...ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS.

8...WHERE LEANMIX IS SPECIFIED ALL LEANMIX TO BE GRADE C16/20 (GEN 3). UNLESS NOTED OTHERWISE.

9...ALL LEVELS ARE IN METRES ABOVE ORDINANCE DATUM (U.N.O.) INDICATING STRUCTURAL LEVEL (SSL)

10...DO NOT SCALE FROM DRAWINGS, USE FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES TO BE REPORTED TO THE STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF WORKS.

11...ALL WORKS SHALL BE CARRIED OUT IN A SAFE MANNER AND IN ACCORDANCE WITH THE HEALTH AND SAFETY REGULATIONS. METHOD STATEMENTS (WHERE REQUIRED) SHALL BE SUBMITTED TO THE ENGINEER OR OTHER APPOINTED PERSON(S).

12...THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AUTHORITY REQUIREMENTS INCLUDING PLANNING CONDITIONS, FIRE SAFETY CERTIFICATE CONDITIONS, LOCAL AUTHORITY DRAINAGE REQUIREMENTS etc.

13.PROJECT DRAWINGS AND SPECIFICATIONS REFERENCE TO BUILDING REGULATIONS, BRITISH, IRISH OR OTHER NATIONAL STANDARD OR CODES OF PRACTICE DO NOT GIVE THE YEAR OF ISSUE OR DATES OF AMENDMENTS. THE LATEST RELEVANT PUBLISHED VERSION INCLUDING ANY RELEVANT AMENDMENTS AND ADD END AT THE DATE OF INVITATION TO TENDER SHALL APPLY. WHERE A STANDARD OR CODE OF PRACTICE HAS BEEN SUPERSEDED, THE LATEST EDITION OF THE SUPERSEDING PUBLICATION SHALL APPLY.

14... ANY DISCREPANCIES DISCOVERED BETWEEN DESIGN TEAM DRAWINGS TO BE REPORTED IMMEDIATELY AND CLARIFICATION SOUGHT AND DISCREPANCY CORRECTED PRIOR TO CONSTRUCTION COMMENCING

DRAINAGE NOTES :

1...CONTRACTOR TO MAKE ALL NECESSARY ENQUIRIES REGARDING LOCATION OF EXISTING SEWERS, ELECTRICAL AND OTHER SERVICES ON SITE.

2...FOR DRAINAGE WORK LOCAL TO BUILDINGS, REFER TO ARCHITECT'S DRAWINGS.

3...ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT SPECIFICATION, PART H BUILDING REGULATIONS AND DEPT. OF ENVIRONMENT DOCUMENT "RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS", & WW: "SEWERS FOR ADOPTION 6th EDITION" A DESIGN & CONSTRUCTION GUIDE FOR DEVELOPERS AND UISCE ÉIREANN WASTEWATER CODE OF PRACTICE.

4...BEDDING MATERIAL TO BE 10mm SINGLE SIZED AGGREGATE COMPLYING WITH THE REQUIREMENTS OF AGGREGATES FOR CONCRETE', FOR RIGID PIPES THE GRANULAR MATERIAL SHOULD CONFORM TO BS EN 1610 ANNEX B TABLE B AND SHOULD BE SINGLE SIZE MATERIAL OR GRADED MATERIAL FROM 5mm TO 10mm FOR 100mm PIPES; 14mm FOR 150mm PIPES; 20mm FOR 150mm – 600mm DIAMETER AND 40mm FOR PIPES MORE THAN 600mm DIAMETER.

5...THE PREPARED UNDERSIED OF THE TRENCH SHOULD CONSIST OF BEDDING MATERIAL FOR THE FULL WIDTH OF THE TRENCH AND LAID TO THE CORRECT GRADIENT.

6...THE MINIMUM THICKNESS OF BEDDING MATERIAL UNDER THE BARREL OF THE PIPE SHOULD BE 100MM

7...IMPORTED BEDDING MATERIAL AND BACKFILL USING 'AS DUG MATERIAL' MUST BE APPROVED BY ENGINEER.

8...ALL PVC–U PIPES AND FITTINGS USED FOR DRAIN AND SEWER MUST COMPLY WITH IS.424 " UNPLASTICISED POLYVINYL CHLORIDE (PVC–U)PIPES AND FITTINGS FOR BURIED DRAINAGE AND SEWAGE SYSTEMS "

9...ANY CONCRETE SURROUND TO MANHOLES OR PIPES SHALL BE DETAILED AND CONSTRUCTED SO AS NOT TO RESTRICT OR IMPEDE THE FLOW OF GROUNDWATER WITHIN THE GROUND OR DRAINAGE TRENCHES.

REFER TO DRAWINGS 301 & 302 FOR TYPICAL DETAILS AND TO DRGS, 303-305 FOR DRAINAGE NETWORK SECTIONS. DRAWINGS TO BE READ IN CONJUCTION WIT CK REPORT 24-116-250512-01RP AND ITS APPENDICES

F„ – 8/1

Rev.	Revision	Date
B	SITE LAYOUT UPDATED IN ACCORDANCE WITH REVISED ARCHITECTS DRAWINGS. RED LINE INCLUDED	20/05/2025
A	SITE LAYOUT UPDATED IN ACCORDANCE WITH REVISED ARCHITECTS DRAWINGS. SECTION B–B INTRODUCED	12/05/2025

DRAWING STATUS

	PRELIMINARY	A	APPROVAL	T	TENDER
	CONSTRUCTION	R	RECORD	I	INFORMATION

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PROJECT: GCC SOCIAL HOUSING, PORTUMNA, CO. GALWAY

CLIENT: GALWAY COUNTY COUNCIL

TITLE: SITE DRAINAGE LAYOUT

PROJECT No. 24–116	STATUS – SKETCH No. P-300
DATE MARCH 2025	DRAWING REV. B
SCALE 1:500,100 @ A1	BY AC / CHECKED BC