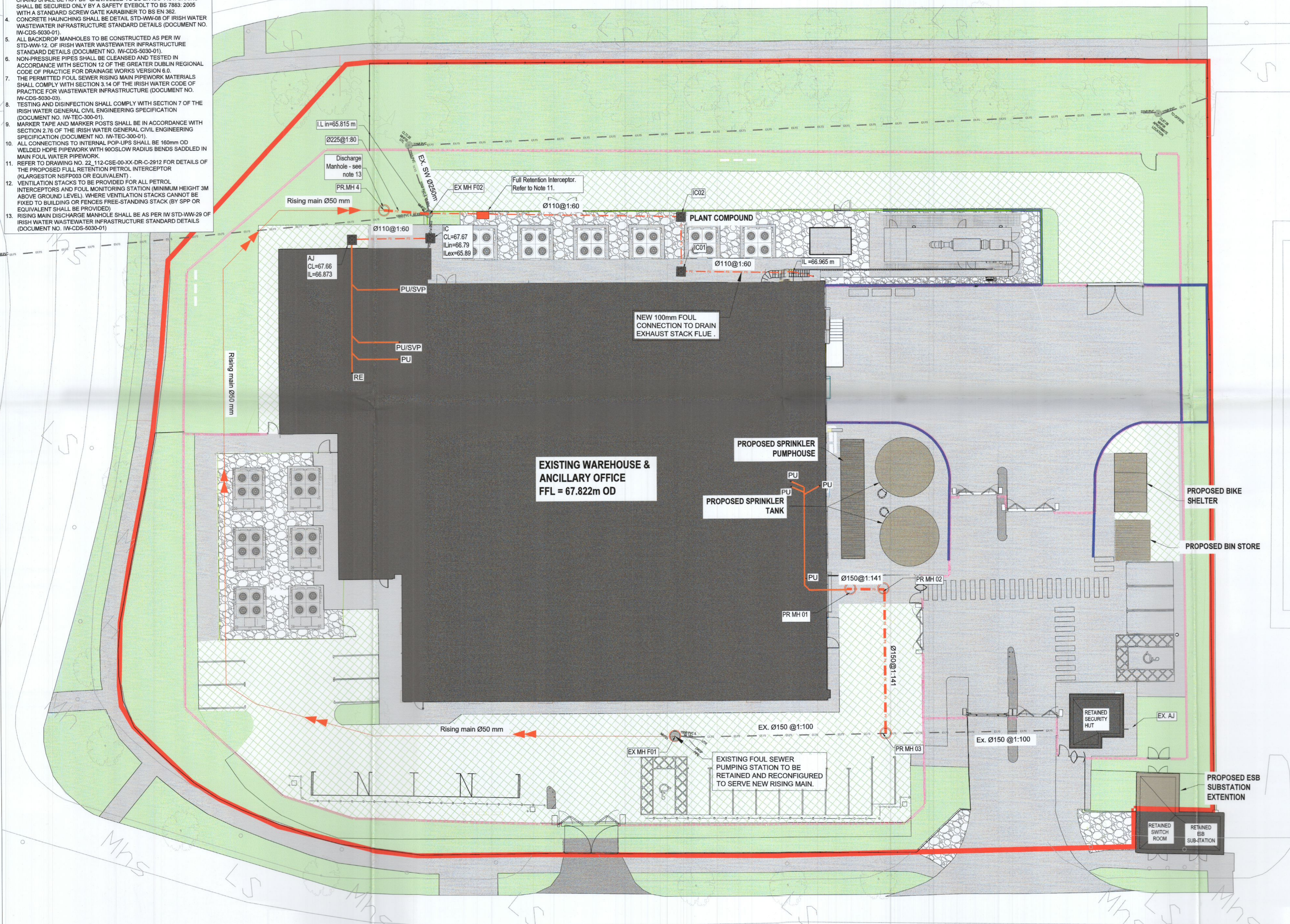


- FOUL WASTEWATER NOTES:**
- FOR ALL MANHOLE DETAILS, PIPELINE DETAILS, MANHOLE COVERS & FRAMES, TESTING & CLEANING OF DRAINS AND SEWER DIVERSIONS, SHALL BE IN ACCORDANCE WITH THE CIVIL WORKS SPECIFICATION AND THE FOLLOWING DOCUMENTATION:  
IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (DOCUMENT IW-CDS-5030-03).  
IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT IW-CDS-5030-01).
  - FOUL WATER TRENCH BACKFILL, BEDDING AND SURROUND SHALL BE AS INDICATED ON DRAWING NO. 22\_112-CSE-00-XX-DR-C-2910. FOUL WATER DRAINAGE MANHOLES SHALL COMPLY WITH THE DETAILS STD-WW-10 AND STD-WW-11 OUTLINED IN IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO. IW-CDS-5030-01). BACKDROP MANHOLES SHALL BE IN ACCORDANCE WITH STD-WW-12.
  - ALL MANHOLES ON SEWERS OF 450mm DIAMETER AND OVER SHALL BE PROVIDED WITH SAFETY CHAINS FOR PLACING ACROSS THE MOUTH OF THE SEWER ON THE DOWNSTREAM SIDE OF THE MANHOLE. MILD STEEL SAFETY CHAIN SHALL BE 12MM NOMINAL SIZE GRADE M (4) NON-CALIBRATED CHAIN, TYPE 1, COMPLYING WITH BS EN 818: PART 3. CHAINS SHALL BE HOT DIP GALVANISED TO BS EN ISO 1461. CHAINS SHALL BE SECURED ONLY BY A SAFETY EYEBOLT TO BS 7883: 2005 WITH A STANDARD SCREW GATE KARABINER TO BS EN 362. CONCRETE HAUNCHING SHALL BE DETAIL STD-WW-08 OF IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO. IW-CDS-5030-01).
  - ALL BACKDROP MANHOLES TO BE CONSTRUCTED AS PER IW STD-WW-12 OF IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO. IW-CDS-5030-01).
  - NON-PRESSURE PIPES SHALL BE CLEANED AND TESTED IN ACCORDANCE WITH SECTION 12 OF THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS VERSION 8.0.
  - THE PERMITTED FOUL SEWER RISING MAIN PIPEWORK MATERIALS SHALL COMPLY WITH SECTION 3.14 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (DOCUMENT NO. IW-CDS-5030-03).
  - TESTING AND DISINFECTION SHALL COMPLY WITH SECTION 7 OF THE IRISH WATER GENERAL CIVIL ENGINEERING SPECIFICATION (DOCUMENT NO. IW-TEC-300-01).
  - MARKER TAPE AND MARKER POSTS SHALL BE IN ACCORDANCE WITH SECTION 2.76 OF THE IRISH WATER GENERAL CIVIL ENGINEERING SPECIFICATION (DOCUMENT NO. IW-TEC-300-01).
  - ALL CONNECTIONS TO INTERNAL POP-UPS SHALL BE 160mm OD WELDED HDPE PIPEWORK WITH 90DEGREE RADIUS BENDS SADDLED IN MAIN FOUL WATER PIPEWORK.
  - REFER TO DRAWING NO. 22\_112-CSE-00-XX-DR-C-2912 FOR DETAILS OF THE PROPOSED FULL RETENTION PETROL INTERCEPTOR (LARGESTOR NSFP003 OR EQUIVALENT).
  - VENTILATION STACKS TO BE PROVIDED FOR ALL PETROL INTERCEPTORS AND FOUL MONITORING STATION (MINIMUM HEIGHT 3M ABOVE GROUND LEVEL), WHERE VENTILATION STACKS CANNOT BE FIXED TO BUILDING OR FENCES FREE-STANDING STACK (BY SPP OR EQUIVALENT) SHALL BE PROVIDED.
  - RISING MAIN DISCHARGE MANHOLE SHALL BE AS PER IW STD-WW-29 OF IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO. IW-CDS-5030-01).

CALMOUNT ROAD



Manholes Schedule (m)					
Manhole Number	Manhole Type	Coordinates	Cover Level	Invert Level	Manhole Depth
Pr. MH 01	STD-WW-11	X = 709853.2927 Y = 730152.7362 Z = 67.613	67.6130	66.0130	1.6000
Pr. MH 02	STD-WW-11	X = 709855.9410 Y = 730154.2444 Z = 67.526	67.5260	66.9460	0.5800
Pr. MH 03	STD-WW-11	X = 709865.5322 Y = 730143.5296 Z = 67.702	67.7020	66.9220	0.7800
Pr. MH 04	STD-WW-11	X = 709791.2842 Y = 730152.2964 Z = 67.675	67.6750	65.7450	1.9300
IC01	STD-WW-11	X = 709819.2628 Y = 730156.8842 Z = 67.699	67.6990	66.4180	1.2810
IC02	STD-WW-11	X = 709815.5511 Y = 730171.2446 Z = 67.699	67.6990	66.3260	1.3730
Petrol Interceptor	STD-WW-11	X = 709799.4554 Y = 730158.5963 Z = 67.699	67.6990	66.915 IN 65.915 OUT	
Ex. MH F1	STD-WW-11	X = 709848.8139 Y = 730129.4861 Z = 67.539	67.539	66.689	0.8500
Ex. MH F2	STD-WW-11	X = 709795.0861 Y = 730154.8024 Z = 67.599	67.599	65.6900	1.9090
Ex. AJ	STD-WW-11	X = 709884.9542 Y = 730159.9896 Z = 67.900	67.9000	67.2000	0.7000

- LEGEND:**
- OUTLINE OF THE SITE SUBJECT TO THIS APPLICATION
  - RETAINING WALLS
  - EXISTING BUILDINGS
  - PROPOSED BUILDINGS
  - GRASSCRETE
  - CONCRETE PAVING
  - LANDSCAPING AREA (REFER TO LANDSCAPE ARCHITECT DRAWING)
  - GRAVEL
  - EXISTING FENCE
  - PROPOSED FENCE
  - PROPOSED PLANT SCREEN
  - LOW LEVEL BARRIER
  - EXISTING FOUL SEWER PIPE TO BE RETAINED
  - PROPOSED FOUL SEWER PIPE
  - PROPOSED FOUL SEWER MANHOLE
  - PROPOSED FOUL SEWER RISING MAIN
  - ACCESS JUNCTION
  - INSPECTION CHAMBER
  - INTERNAL PIPES CONNECTIONS
  - EXISTING FOUL SEWER MANHOLE

REV.	DATE	DESCRIPTION	DRN	ENG	CHK	APP
P03	06/12/22	PLANNING ISSUE	LT	CD	CD	HF
P02	14/10/22	PLANNING ISSUE	LT	CD	CD	HF
P01	02/09/22	DRAFT PLANNING ISSUE	LT	CD	CD	HF

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MECHANICAL & ELECTRICAL ENGINEER CIVIL & STRUCTURAL ENGINEER

**Clifton Scannell Emerson Associates**

**ARCHITECT**  
**KAVANAGH TUITE ARCHITECTS**

**SECURITY ENGINEER**  
**CUNDALL**

**FIRE ENGINEER**  
**BB7**

PROJECT: Unit 1, M50 Business Park

TITLE:  
PROPOSED FOUL WASTEWATER DRAINAGE LAYOUT PLAN

DRAWING NO.:  
22\_112-CSE-00-XX-DR-C-2210

A1	SCALE: 1:200	AGILE No.:	REV: P03
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