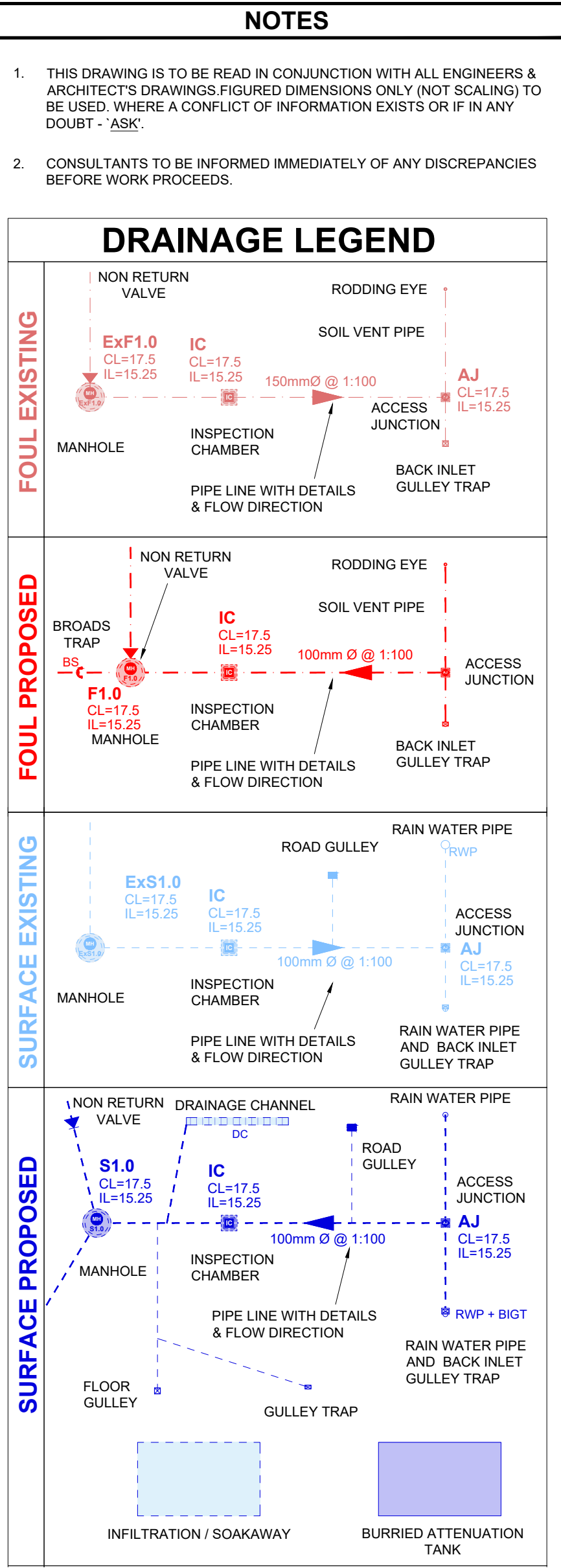


- ALL FOUL SEWERS TO HAVE A SN8 RING STIFFNESS UNTIL INSPECTION CHAMBER. PRIVATE SIDE DRAINAGE TO COMPLY WITH BUILDING REGULATIONS.
- TREE POSITIONS ON LANDSCAPING DRAWINGS TO COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12.
- SECTION DETAILS AS PER STANDARD DOCUMENT FROM WASTEWATER CODE OF PRACTICE.
- REFER TO DETAIL STD-WW-02&03 FOR TYPICAL DETAIL OF INSPECTION CHAMBER.
- FOUL WATER MANHOLE COVERS LOCATED IN SOFT LANDSCAPE/GRASS AREAS TO BE SURROUNDED BY A CONCRETE PLINTH 200mm ALL ROUND & 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 804. MANHOLE COVERS MUST REMAIN IDENTIFIABLE, ACCESSIBLE & MUST NOT BECOME OVERGROWN.
- ALL INSPECTION CHAMBERS AND ACCESS JUNCTIONS TO COMPLY WITH TABLE 9 OF TGD H. IC TO HAVE A MAXIMUM DEPTH OF 1,000mm. AJ TO HAVE A MAXIMUM DEPTH OF 600mm.
- THE CONTRACTOR SHALL CONSTRUCT ALL FOUL DRAINAGE AND WATERMANS IN ACCORDANCE WITH THE LATEST IRISH WATER STANDARD DETAILS AND CODES OF PRACTICE
- POSITIONS OF SERVICES SHOWN ARE INDICATIVE ONLY. THE SETTING-OUT OF ALL SERVICES INDICATED IS THE RESPONSIBILITY OF THE CONTRACTOR, AND HE/SHE SHALL SATISFY THEMSELVES THAT THE REQUIRED DEPTH OF COVER AND SEPARATION DISTANCES ARE ACHIEVED IN ACCORDANCE WITH THE IRISH WATER CODES OF PRACTICE AND STANDARD DETAILS.
- THE CONTRACTOR SHALL REVIEW THE PLAN LAYOUT PRIOR TO COMMENCEMENT HAVING REGARD TO THE REQUIREMENTS OF THE CODES OF PRACTICE AND STANDARD DETAILS PUBLISHED BY IRISH WATER, WHERE A DISCREPANCY BETWEEN BMCE PLAN LAYOUT DRAWINGS AND THE RELEVANT REQUIREMENTS OF THE CODES OF PRACTICE OR STANDARD DETAILS IS IDENTIFIED AS PART OF THIS REVIEW, THE CONTRACTOR MUST CONSULT BMCE, PRIOR TO COMMENCING CONSTRUCTION, SO THAT AN APPROPRIATE DESIGN AMENDMENT CAN BE MADE IF NECESSARY.
- MINIMUM SELF CLEANSING VELOCITY (1.19m/s) IS BEING ADHERED TO AS PER SECTION 3.6 OF THE WASTEWATER CODE OF PRACTICE. A MINIMUM SIZE OF 225Ø WITH A MINIMUM SLOPE OF 1:150 HAS BEEN SIZED FOR THE ENTIRE SITE. THAT GETS A VELOCITY OF 1.19m/s WHICH IS IN ACCORDANCE WITH THE MINIMUM REQUIRED.
- FOUL PIPE MATERIAL: SN8 THERMOPLASTIC STRUCTURED WALL PIPE.
- ALL PIPES 100mm DIA UNLESS NOTED OTHERWISE.



ROAD FALLS ONE WAY @ 1:40

SWALE
BASE WIDTH = 2m
LENGTH = 180m
SLOPE OF 1:4
SURFACE WIDTH = 3m
DEPTH = 0.6m

DETENTION BASIN
SURFACE AREA = 3000m²

DETENTION BASIN

- MAX 0.6m DEEP CENTRAL BASIN TO STORE 1 IN 30 YEAR CRITICAL STORM IN BASE AREA OF 1960m² WITH SLOPED SIDES OF 1:3
- MAX. 0.76m DEEP USEABLE BASIN TO STORE IN 1 IN 100 YEARS 2600m² AREA
- STAGGERED SIDES OF 1:5 FOR GRADUAL GRADING TOWARD 1 IN 30 YEAR CENTRAL BASIN
- MAX. VOLUME OF 2900m³ WITHIN DETENTION BASIN
- TWL (50 YEAR) = 51.540m
- TWL (100 YEAR) = 51.709m

PERFORATED PIPE TO DRAIN SWALE

GULLIES TO CONNECT INTO EXISTING PUBLIC NETWORK

FOUL WATER MANHOLES			
MH	CL	IL	
F1.0	56.042	55.192	
F1.1 (BACKDROP)		55.967	54.700
INV IN F2.0=55.25			
F1.2 (BACKDROP)	55.032	53.500	
INV IN F1.1=54.30			
F1.3 (BACKDROP)	54.674	52.900	
INV IN F1.2=53.21			
F1.4	54.357	52.820	
F1.5 (BACKDROP)	53.857	52.600	
INV IN F5.0=52.78			
F1.6 (BACKDROP)	53.200	50.810	
INV IN F1.5=52.33			
F2.0	56.457	55.617	
F3.0	54.950	54.100	
F4.0	54.424	53.574	
F5.0	54.023	53.173	
F6.0	54.031	53.181	
F6.1	53.757	52.700	
F6.2 (BACKDROP)	52.833	51.170	
INV IN 6.1=52.380			
F7.0	52.994	51.844	
F7.1	52.732	51.310	
Ex.F	52.607	50.570	

PROPOSED FOUL & SURFACE WATER DRAINAGE LAYOUT

SCALE @ A1: 1:500
SCALE @ A3: 1:1000

PL3	01.10.25	ISSUED FOR PLANNING	MA
PL2	16.05.25	ISSUED FOR PLANNING	MA
PL1	22.07.24	ISSUED FOR PLANNING	MA
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: BO		Project Director: CK	
BM STAGE			
PLANNING			
BM Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164 London Office: 5th Floor, Mill House, 8 Mill Street, London SE1 2BA, United Kingdom Tel: (0044) 20 3750 3530 Consulting Engineers, Civil, Structural, Project Management. E-mail: bmce@bmce.ie Web: www.bmce.ie			
BARRETT MAHONY The Institution of Structural Engineers ACEI International Federation of Consulting Engineers			
CLIENT GOLDEN PORT HOMES LIMITED			
PROJECT TITLE FOREST LITTLE ROAD GOLDENPORT		BM PROJECT No. 24.183	
MODEL	REFERENCE	SUITABILITY	REVISION
DRAWING TITLE PROPOSED FOUL & SURFACE WATER DRAINAGE LAYOUT			
DWG	DRAWING REFERENCE FR-BMCE-ZZ-ZZ-DR-C-11200	STATUS	REVISION PL3