



- NOTES ON DRAINAGE:
1. THE SETTING OUT OF ALL RWP'S & SVP'S IS BY THE ARCHITECT AND M&E ENGINEER. LOCATIONS SHOWN INDICATIVE ONLY.
  2. ALL S.W. BRANCH PIPES TO BE 100Ø @ 1:60 UNLESS NOTED OTHERWISE.
  3. ALL BURIED DRAINS TO BE UPVC.
  4. PROVIDE A 45° SWEEP AT ALL SIDE CONNECTIONS.
  5. INTERNAL SLAB POP-UPS LOCATIONS ARE INDICATIVE ONLY. FINAL LOCATIONS TO BE BY ARCHITECT.
  6. INTERNAL GULLIES TO BE STAINLESS STEEL.
  7. GULLIES TO BE RODDABLE & TRAPPED.
  8. ALL STACKS TO BE RODDABLE ABOVE SLAB LEVEL.
  9. MINIMUM DISTANCE BETWEEN BRANCH CONNECTIONS TO THE MAIN LINES TO BE 300mm.
  10. POSITIONS OF ANY 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.
  11. REQUIRED DEPTH OF COVER AND SEPARATION DISTANCES ARE ACHIEVED IN ACCORDANCE WITH THE IRISH WATER CODES OF PRACTICE AND STANDARD DETAILS.
  12. ALL FOUL DRAINAGE & WATERMANS OUTSIDE THE BUILDING FOOTPRINT TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER DETAILS & CODES OF PRACTICE.
  13. THE CONTRACTOR SHALL REVIEW THE PLAN LAYOUT PRIOR TO COMMENCEMENT HAVING REGARD TO THE REQUIREMENTS OF THE IRISH WATER CODES OF PRACTICE AND STANDARD FOUL DRAINAGE AND WATERMAIN 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.

- NOTE:
- 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 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-CLEANING VELOCITY (1.19m/s) IS BEING ADHERED TO AS PER SECTION 3.1.3 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: S/N8 THERMOPLASTIC STRUCTURED WALL PIPE

- NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS. FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
  2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
  3. PROPOSED GRAVITY SEWER PIPES ARE TO BE SPECIFIED IN ACCORDANCE WITH SECTION 3.1.3.1 OF THE WASTEWATER CODE OF PRACTICE.

**CIVIL LEGEND**

EX. FOUL MANHOLE	Ex.F ○
EX. FOUL PIPE	--- PIPE DESCRIPTION ---
NEW FOUL MANHOLE	F ●
NEW FOUL PIPE	--- PIPE DESCRIPTION ---
NEW CARPARK DRAINAGE MANHOLE	C ●
NEW CARPARK DRAINAGE PIPE	--- PIPE DESCRIPTION ---
EX. SURFACE WATER MANHOLE	Ex.S □
EX. SURFACE WATER PIPE	--- PIPE DESCRIPTION ---
NEW SURFACE WATER MANHOLE	S □
NEW SURFACE WATER PIPE	--- PIPE DESCRIPTION ---
EX. COMBINED MANHOLE	Ex.C □
EX. COMBINED PIPE	--- PIPE DESCRIPTION ---
NEW COMBINED MANHOLE	C □
NEW COMBINED PIPE	--- PIPE DESCRIPTION ---
NEW RISING MAIN	--- PIPE DESCRIPTION ---
PIPE CROSSOVER	--- PIPE DESCRIPTION ---
EX. ROOF RAIN WATER MANHOLE	Ex.R □
EX. ROOF RAIN WATER PIPE	--- PIPE DESCRIPTION ---
NEW ROOF RAIN WATER MANHOLE	R □
NEW ROOF RAIN WATER PIPE	--- PIPE DESCRIPTION ---
DECOMMISSIONED LINE	X X X X X X X X X X
FOUL ACCESS JUNCTION	◇ AJ
SURFACE ACCESS JUNCTION	◇ AJ
RAINWATER PIPE	○ RWP
SOIL VENT PIPE	● SVP
ROAD GULLY	■ RG
BACK INLET GULLY TRAP	◇ BIGT
FOUL RODDING EYE	● RE
SURFACE RODDING EYE	● RE
GULLY TRAP	● GT
INSPECTION CHAMBER	● IC

**FOUL & SURFACE WATER DRAINAGE GROUND FLOOR LAYOUT**

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

**FOUL WATER MANHOLE SCHEDULE**

REF.	COVER LEVEL	INVERT LEVEL	REMARKS
F1.0	+82.900	+81.600	
F1.1	+83.000	+81.525	
F1.1A	+83.000	+81.450	
F1.1B	+83.000	+81.415	
F1.2	+83.000	+81.300	
F1.3	+81.300	+79.800	
F1.4	+81.100	+79.500	
F1.5	+81.100	+79.400	
F1.6	+81.100	+79.250 +75.125	N FROM F1.5 PUMP SUMP BASE
F2.0	+82.700	+81.600	
F2.1	+82.700	+81.475	
F2.2	+82.600	+81.275	
F3.0	+80.900	+79.550	
F3.1	+80.900	+79.475	
F4.0	+81.050	T.B.C.	

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<b>PLANNING</b>				
<p><b>BM</b> Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164 London Office: 12 Mill Street, London SE1 2AY, United Kingdom. Tel: (0044) 20 3750 3530</p> <p>Consulting Engineers, Civ. Structural, Project Management. E-mail: bmce@bmce.ie Web: www.bmce.ie</p> <p><b>BARRETT MAHONY</b> The Institution of Structural Engineers <b>ACEI</b> <b>IFDICE</b></p>				
CLIENT: <b>HOMELAND SILVERPINES LTD.</b>				
PROJECT TITLE: <b>SHD AT ST. JOSEPH'S HOUSE AND ADJOINING PROPERTIES</b>			BM PROJECT No: <b>19.236</b>	
MODEL REFERENCE			MODEL REV.	SUITABILITY
DRAWING TITLE: <b>BURIED FOUL &amp; SURFACE WATER DRAINAGE</b>				
DRAWING No: <b>BPR-BMD-00-00-DR-C-1000</b>				ISSUE
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