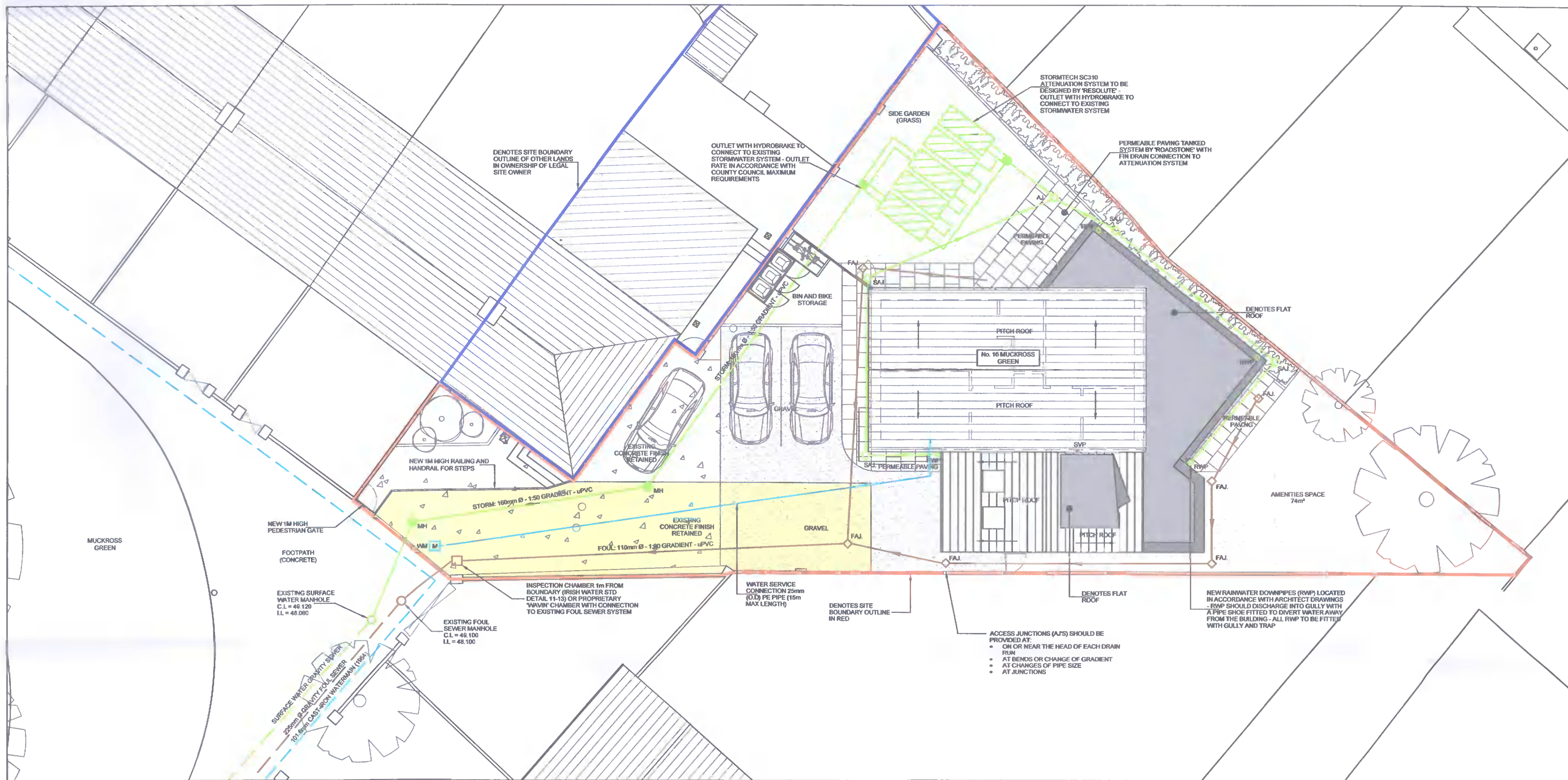


1. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ENGINEER TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.



LEGEND

- EXISTING FOUL WATER SEWER
- EXISTING SURFACE WATER
- EXISTING WATERMAIN
- PROPOSED FOUL SEWER PIPE
- PROPOSED SURFACE WATER PIPE
- PROPOSED NEW WATERMAIN
- EXISTING FOUL SEWER MANHOLE
- EXISTING SURFACE WATER MANHOLE
- PROPOSED FOUL SEWER MANHOLE
- PROPOSED SURFACE WATER MANHOLE
- ⊕ HYDRANT
- AJ ◊ PROPOSED FOUL A.J.
- AJ ◊ PROPOSED SURFACE WATER A.J.
- RWP ○ RAIN WATER PIPE
- SVP ○ SOIL VENT PIPE
- WM M WATER METER



PROPOSED DRAINAGE PLAN
SCALE: 1:100

NOTE 1: STORMWATER SPECIFICATION

PROPOSED FLAT ROOF AREA =	30m ²
PROPOSED PITCHED ROOF AREA (PLAN) =	106m ²
EFFECTIVE DESIGN AREA = PLAN AREA x 1.0 =	106m ² x 1.15 = 121m ²
PROPOSED PAVING =	89m ² // PROPOSED HARDSTAND = 41m ²
IMPERMEABLE AREA	
ROOF =	151 x 1.0 = 151m ²
PAVING/HARDSTAND =	130 x 0.9 = 117m ²
TOTAL =	151 + 117 = 225m ²

NOTE 1: STORMWATER SPECIFICATION

ANY NEW FOUL DRAINAGE PVC PIPES TO BE A MINIMUM 100mm Ø, AT A MINIMUM 1:60 SLOPE FOR A PEAK FLOW OF 2.5ls

ACCESS JUNCTIONS (AJS) SHOULD BE PROVIDED AT:

- ON OR NEAR THE HEAD OF EACH DRAIN RUN
- AT BENDS OR CHANGE OF GRADIENT
- AT CHANGES OF PIPE SIZE
- AT JUNCTIONS

PIPE UNDERBED SHOULD CONSIST OF BEDDING MATERIAL LAID TO THE CORRECT GRADIENT AND ACROSS THE FULL WIDTH OF THE TRENCH. SMALL DEPRESSIONS SHOULD MADE IN THE UNDERBED TO ACCOMMODATE JUNCTIONS. THE UNDERBED SHOULD PROVIDE UNIFORM SUPPORT TO THE PIPEWORK OVER ITS ENTIRE LENGTH.

SUITABLE BEDDING MATERIAL INCLUDES:

- GRANULAR AGGREGATE, 10mm NORMAL SIZE FOR PIPES 100mm - 250mm Ø OR
- SAND OR SAND/GRAVEL MIX, MAXIMUM PARTICLE SIZE 20mm

IF A PIPE IS TO SURROUND WITH CONCRETE IT IS RECOMMENDED THAT THE PIPE BE SURROUNDED BY MEMBRANE (PLASTIC SHEETING) ADJACENT PIPES SHOULD BE CONNECTED WITH PROPRIETARY JOINTS.

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Drawing Status
FOR PLANNING

Project
No. 16 Muckcross Green, Penystown,
Dublin 12, D12 YN50

Client
Mr Tim O'Sullivan

Title
Proposed Drainage Plan

Scale	date	drawn	chk.	job no.	drw. no.	Rev.
1:200 A1	Dec 21	LB	HC		102	