



PROPOSED FOUL/COMBINED

PROPOSED SURFACE WATER

EXISTING DEMOLISHED

EXISTING RETAINED FOUL
WATER DRAIN

EXISTING RETAINED SURFACE
WATER DRAIN

MANHOLE / ACCESS
FUNCTION

POPUP

SOIL VENT PIPE /
RAINWATER PIPE

The legend defines the symbols used in the drainage plan. It includes: a dashed red line with an arrow pointing right, labeled 'PROPOSED FOUL/COMBINED'; a solid green line with an arrow pointing right, labeled 'PROPOSED SURFACE WATER'; a solid purple line, labeled 'EXISTING DEMOLISHED'; a solid cyan line with an arrow pointing right, labeled 'EXISTING RETAINED FOUL WATER DRAIN'; a solid cyan line with an arrow pointing right, labeled 'EXISTING RETAINED SURFACE WATER DRAIN'; a cyan square with 'MH' inside, labeled 'MANHOLE / ACCESS FUNCTION'; a cyan square with 'AJ' inside, labeled 'POPUP'; a black circle, labeled 'SOIL VENT PIPE / RAINWATER PIPE'; and a black circle, labeled 'SVP/RWP'.

LEVEL AND LOCATION OF SEWER
TO BE CONFIRMED ON SITE. THE
LEVELS AND LOCATION MUST BE
PROVED PRIOR TO ANY NEW
DRAINAGE AND FOUNDATION
WORKS GOING AHEAD TO AVOID
POSSIBLE CLASHES

ALL DIMENSIONS IN mm UNLESS NOTED.

B. DO NOT SCALE DIMENSIONS.

C. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS

D. PRIOR TO COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

2. ALL LEVELS TO LOCAL DATUM
3. ALL DRAINAGE TO BE CONSTRUCTED USING UPVC PIPES UNO.
4. ALL EXTERNAL MANHOLE COVERS / ROAD GULLY / LINEAR DRAIN GRATINGS TO BE B125 TO ISEN 124.
5. DRAINS ARE TO BE PROTECTED AT ALL TIMES FROM HEAVY CONSTRUCTION LOADS TO PREVENT DAMAGE.
6. ALL WORKS TO BE DONE IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS VERSION 6.0. THE RECOMMENDED MINIMUM DEPTH OF COVER OVER THE CONNECTION PIPES IS 750MM, THE PIPES SHALL BE FULLY SURROUNDED IN 150MM THICK CONCRETE, SEE PIPE PROTECTION DETAIL 2, DRG. NO. ??.
7. ALL FOUL PIPEWORK TO BE LAID AT 1:60 FALL MINIMUM U.N.O.
8. ALL SURFACE WATER PIPEWORK TO BE LAID AT 1:150 MINIMUM.
9. ALL MANHOLE/CHAMBER COVERS IN PAVED AREAS TO BE RECESSED TO SUIT FINISHES AND LOCKABLE, ORIENTATED TO MATCH ORIENTATION OF PAVING UNITS. ALL MANHOLE COVERS TO BE CLASS B125 TO ISEN 124 (U.N.O.). CONTRACTOR TO COORDINATE WITH LANDSCAPING DETAILS.
10. DRAINS TO BE CLEANED OUT BY JET CLEANING AND ALL DEBRIS REMOVED. NEW DRAINS TO BE AIR TESTED. TEST REPORT TO BE SENT TO ENGINEER.
11. NEW AND EXTG. DRAINS TO BE CCTV SURVEYED AND REPORT SENT TO ENGINEER. ANY DEFECTS TO BE MADE GOOD BY CONTRACTOR IN ACCORDANCE WITH ENGINEER'S INSTRUCTIONS.
12. FOR CONSTRUCTION OF BLOCKWORK MANHOLES NOTE FOLLOWING:
 - FOUNDATIONS TO BE CAST AGAINST GROUND U.N.O.
 - CONCRETE GRADES, TO ISEN 206, SHALL BE AS FOLLOWS:
BLINDING : C12/15 ALL IN AGGREGATE
FOUNDATIONS C28/35, 20mm NOMINAL AGGREGATE.
 - ALL REINFORCEMENT BARS SHALL BE IN ACCORDANCE WITH BS4449 OR BS4461 WITH A YIELD STRENGTH OF 500N/mm² OR 250N/mm² FOR BARS DENOTED T OR R RESPECTIVELY. ALL WIRE MESH SHALL BE IN ACCORDANCE WITH BS4483 WITH MINIMUM YIELD STRENGTH OF 500N/mm².
 - COVER TO REINFORCEMENT: CAST AGAINST GROUND 50mm.
 - WALLS TO BE BLOCKWORK TO IS325 COMPRESSIVE STRENGTH 5N/mm², USE DESIGNATION MORTAR MIX(1:1).

SCALE 1:150

PL	FOR PLANNING	10/04/15	AR	AR
Rev	Description	Date	Drwn	Chkd

Job Number	Drawing Number	Revision	Sht. Size	Scale	Date	Drawn	Engineer
15020	C002	PL	A3	AS NOTED	APR '15	AR	AR