

DON'T FORGET SAFETY

PROPOSED RECTANGULAR SOAKAWAY 1740mm WIDE x 2320mm LONG x 600mm MIN. DEEP (EFFECTIVE STORAGE DEPTH), WITH PROPRIETARY GEOCELLULAR MODULES 'BMS STORMBREAKER' SYSTEM, SURROUNDED IN GEOTEXTILE. SIZE TO BE CONFIRMED FOLLOWING SOAKAGE TESTING TO BRE365. CL=86.15 (TBC ON SITE), PERFORATED PIPE IL=85.20 (TBC ON SITE), MIN. 250mm COVER.

110mmØ VENT & INSPECTION PIPE

NEW S.W. PLASTIC CHAMBER WITH SILT TRAP & WITH A15 GRADE COVER, CL=86.00 (TBC ON SITE), INLET IL=85.50 (TBC ON SITE), TRAP IL=84.85, OUTLET IL=85.05

PROPOSED RECTANGULAR SOAKAWAY 1740mm WIDE x 2320mm LONG x 600mm MIN. DEEP (EFFECTIVE STORAGE DEPTH), WITH PROPRIETARY GEOCELLULAR MODULES 'BMS STORMBREAKER' SYSTEM, SURROUNDED IN GEOTEXTILE. SIZE TO BE CONFIRMED FOLLOWING SOAKAGE TESTING TO BRE365. CL=86 (TBC ON SITE), PERFORATED PIPE IL=85.05 (TBC ON SITE), MIN. 250mm COVER.

DRAINAGE LEGEND

PROPOSED FOUL/COMBINED		FMH
PROPOSED SURFACE WATER		SWMH
EXISTING DEMOLISHED		
EXISTING RETAINED FOUL WATER DRAIN		EXMH
EXISTING RETAINED SURFACE WATER DRAIN		EXMH
MANHOLE / ACCESS JUNCTION		MH AJ
POPUP		PU
SOIL VENT PIPE / RAINWATER PIPE		SVP/RWP

NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF ANDREW RILEY CONSULTING ENGINEERS AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY ISSUED.

A. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS.

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.

NOTES: DRAINAGE NOTES:

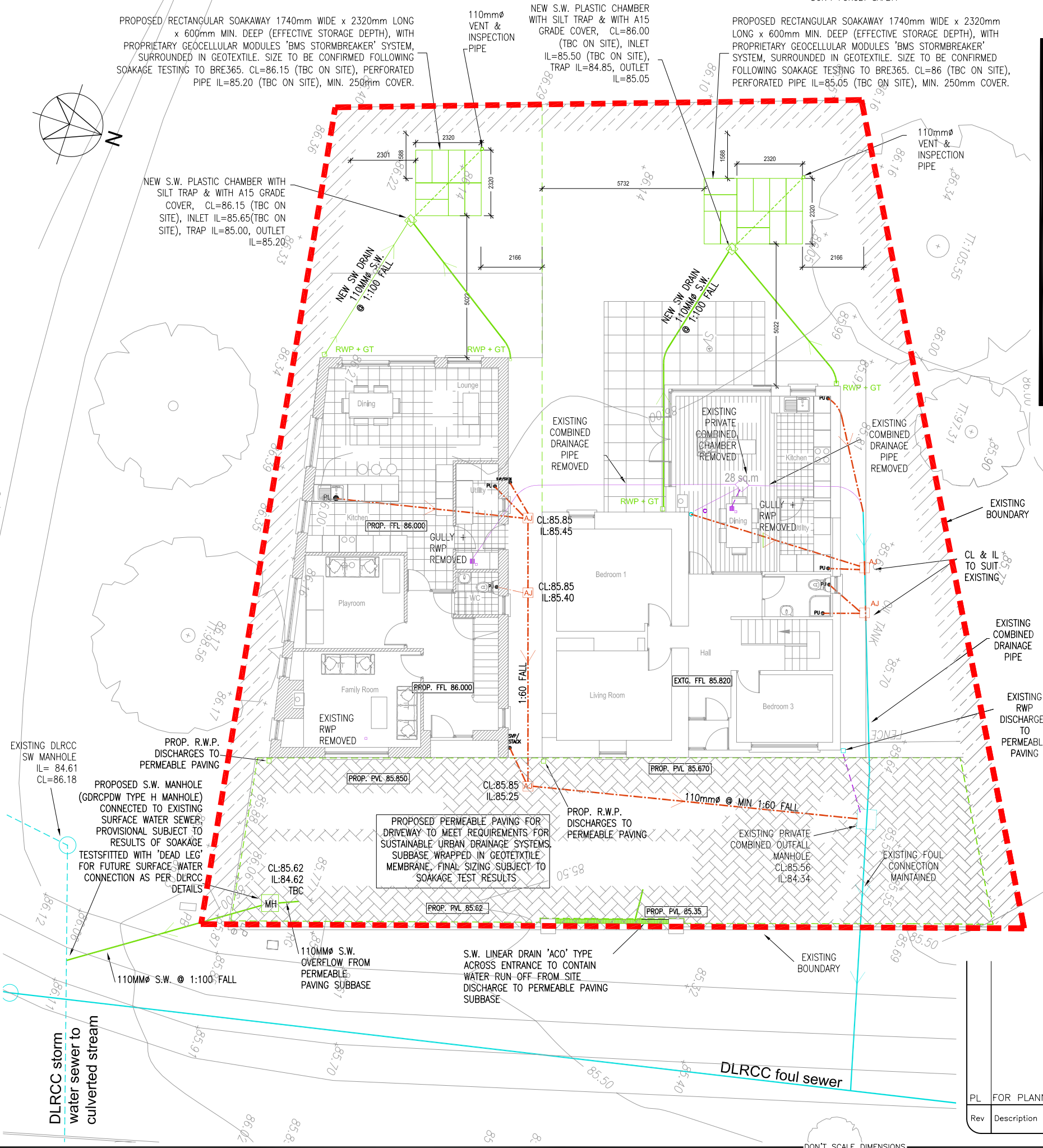
- ALL LEVELS TO LOCAL DATUM
- ALL DRAINAGE TO BE CONSTRUCTED USING UPVC PIPES UNO.
- ALL EXTERNAL MANHOLE COVERS / ROAD GULLY / LINEAR DRAIN GRATINGS TO BE B125 TO ISEN 124.
- DRAINS ARE TO BE PROTECTED AT ALL TIMES FROM HEAVY CONSTRUCTION LOADS TO PREVENT DAMAGE.
- ALL WORKS TO BE DONE IN ACCORDANCE 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. ??.
- ALL FOUL PIPEWORK TO BE LAID AT 1:60 FALL MINIMUM U.N.O.
- ALL SURFACE WATER PIPEWORK TO BE LAID AT 1:150 MINIMUM.
- 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.
- 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.
- 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.
- 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(ii).

NOTE:

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

PROPOSED DRAINAGE PLAN

SCALE 1:150



PL	FOR PLANNING	17/12/15	AR	AR
Rev	Description	Date	Drwn	Chkd

ANDREW RILEY
CONSULTING ENGINEER

Tel: +353 87 6393531
Email: andrew.riley@yahoo.com

Client	KEN & ANN-MARIE McCULLAGH	Drawing	PROPOSED DRAINAGE LAYOUT
Job	CLONLEA LODGE BALLINTEER ROAD DUBLIN 16		
Job Number	15020	Drawing Number	C002
Revision	PL	Sht. Size	A3
Scale	AS NOTED	Date	DEC '15
Drawn	AR	Engineer	AR

DON'T SCALE DIMENSIONS