

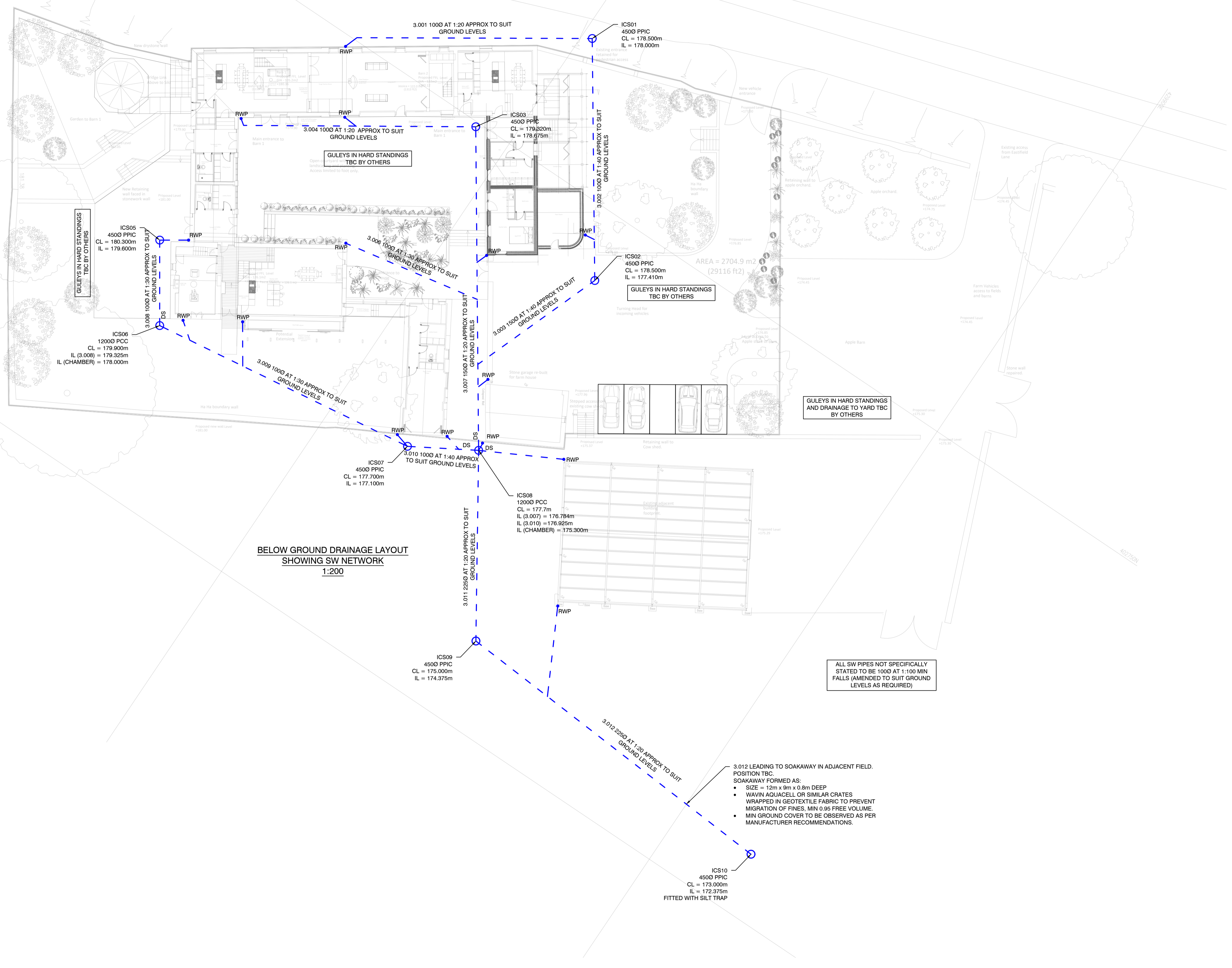
This drawing is to be read in conjunction with all other relevant documentation.
Do not Scale
 All setting out by contractor. Report all discrepancies to bdi Structural Solutions.
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 Client required to comply with requirements of Party Wall Act as required by nature of work.

NOTES

Setting Out	
All levels, setting out and dimensions are to be confirmed on site.	

Drainage Notation	
	Denotes Surface Water Carrier Drain
	Denotes Foul Water Carrier Drain
	Denotes Proposed Rainwater Gully
	Denotes Proposed Rodding Eye
	Denotes Proposed Soil and Vent Pipe
	Denotes Drop Shaft Connection
	Denotes Proposed Inspection Chamber/Manhole

- DRAINAGE**
- ALL RWGS TO BE ACCESS GULLIES WITH INTEGRAL BACK INLETS FOR RODDING.
 - DRAINAGE TO BE LAID TO FALLS TO SUIT INVERT LEVELS SHOWN.
 - ALL DRAINAGE TO COMPLY WITH BS 5301:1985 TOGETHER WITH PARTS H1, 2 & 3 OF THE BUILDING REGULATIONS.
 - MANHOLES, INSPECTION CHAMBERS AND ACCESS CHAMBERS OR RODDING EYES SHALL BE PROVIDED AT EVERY CHANGE OF DIRECTION, DRAIN & OR GRADIENT CHANGE AND ALSO AT OR WITHIN 12.5M OF A JUNCTION.
 - EXTERNAL DRAINAGE SHALL BE 100MM DIAMETER, UNLESS NOTED OTHERWISE. HEPWORTH SUPERSLEAVE VITREOUS CLAY PIPEWORK TO BS55:1981 LAID AND BEDDED TO MANUFACTURERS INSTRUCTIONS TO SIZES DEPENDANT UPON LOADING CONDITIONS AND GRADIENTS WITHIN THEIR RECOMMENDATIONS.
 - JOINTING SHALL BE EITHER U.P.V.C PUSHFIT COUPLINGS OR BY SEALING RUBBER 'O' RINGS IN POLYESTER MOULDINGS.
 - ALL DRAINS WHICH ARE LOCATED WITHIN 2000MM OF EXTERNAL WALLS OR PASS UNDER BUILDINGS ARE TO BE ENCASED IN MIN 150MM CONCRETE OF FULL WIDTH OF TRENCH.
 - MANHOLE CONSTRUCTION TO BE 225MM CLASS 'B' ENGINEERING BRICKWORK IN 1:3 CEMENT/MORTAR WITH 150MM THICK CONCRETE BASE UP TO BELOW GROUND LEVEL. CAST IRON STEPS TO BS1247:1975 SHALL BE PROVIDED WHERE DEPTH OF CHAMBER EXCEEDS 1000MM. BENCHING OF CONCRETE TO BE FORMED AROUND DRAINAGE CHANNELS TO A SMOOTH FINISH AND FALL.
 - ALL EXTERNAL MH COVERS SHALL BE MEDIUM DUTY GALV. STEEL TO BS497 UNLESS LOCATED WITHIN CARRIAGEWAYS OR CAR PARKS WHERE HEAVY DUTY CAST IRON ARE TO BE USED.
 - MANHOLE COVER TO BE SEATED IN REBATE STEEL FRAMES AND SEALED WITH GREASE ON 100MM THK CONCRETE FRAME BASE WITH 600x600MM MIN OPENING.



**BELOW GROUND DRAINAGE LAYOUT
 SHOWING SW NETWORK
 1:200**

ALL SW PIPES NOT SPECIFICALLY STATED TO BE 1000 AT 1:100 MIN FALLS (AMENDED TO SUIT GROUND LEVELS AS REQUIRED)

- 3.012 LEADING TO SOAKAWAY IN ADJACENT FIELD. POSITION TBC. SOAKAWAY FORMED AS:
- SIZE = 12m x 9m x 0.8m DEEP
 - WAVIN AQUACELL OR SIMILAR CRATES
 - WRAPPED IN GEOTEXTILE FABRIC TO PREVENT MIGRATION OF FINES, MIN 0.95 FREE VOLUME.
 - MIN GROUND COVER TO BE OBSERVED AS PER MANUFACTURER RECOMMENDATIONS.

APPROVAL

Rev	Date	Description	Drawn	Appr'd
A1	03/04/20	Minor amendments following client comments	SG	SG
Rev A0	03/04/20	First Approval Issue, levels indicated, network tweaked	SG	SG

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Client: Mr/s Miller

Project: Lower Eastfield Farm

Drawing Title: Below Ground Drainage Layout SURFACE WATER

Scale: As shown at A1 Drg No. 20206340

Drawn: SG Chk'd by: SG Date: 27/03/20 Date Chk'd: 27/03/20

C1 02 Rev A1