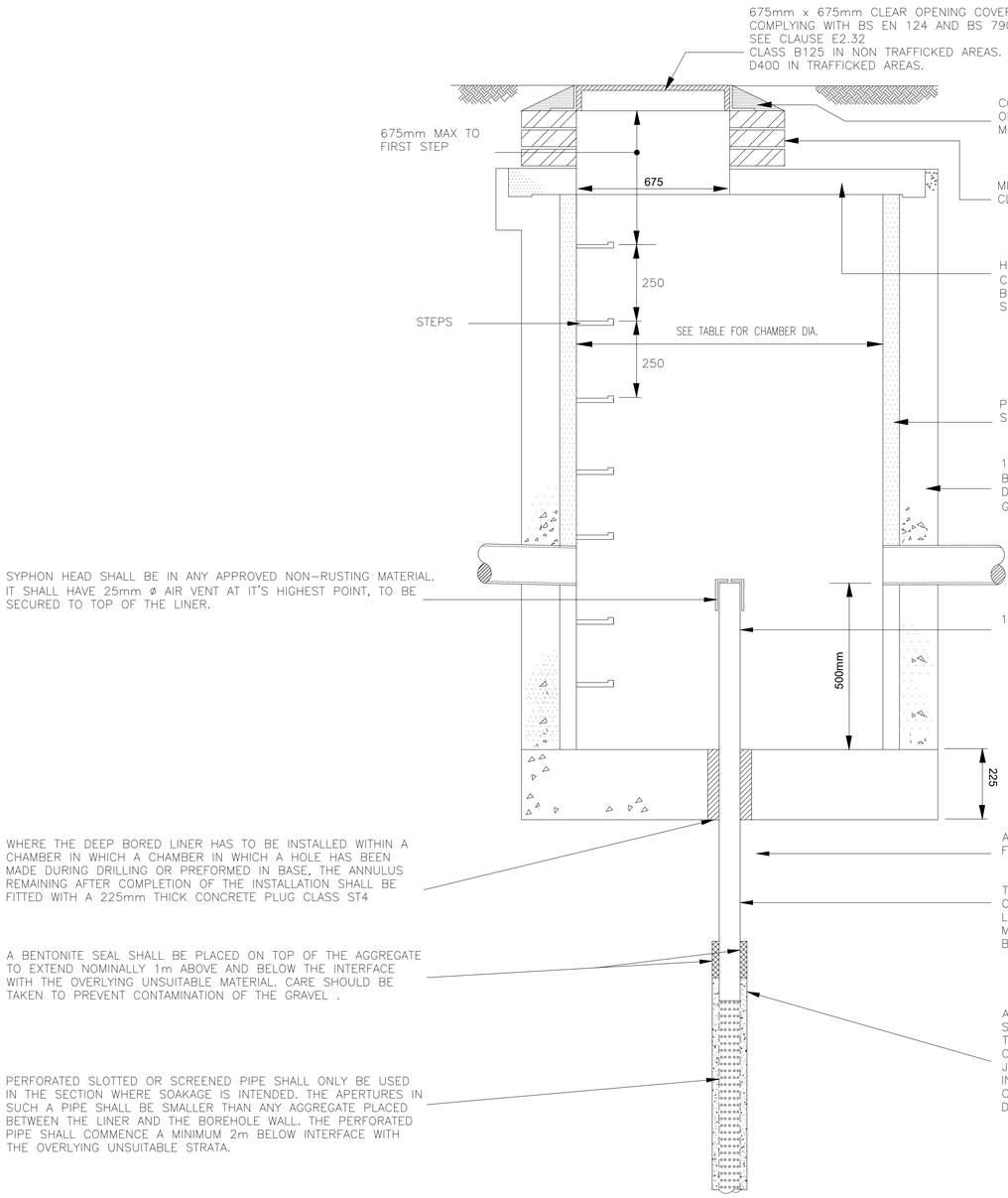
CH Number	Chamber Dia (m)	CH IL (mAOD)	BOREHOLE DIA (m)	BOREHOLE DEPTH (m)
8	2.650	298.000	0.185	32.000
15	2.400	286.500	0.185	30.000
16	2.400	286.328	0.185	30.000
17	2.400	286.381	0.185	30.000
19	2.400	286.412	0.185	30.000
30	3.000	283.876	0.185	32.000
31	3.000	283.852	0.185	32.000
34	3.000	289.550	0.185	32.000
35	3.000	287.037	0.185	32.000



TYPICAL BOREHOLE MANHOLE DETAIL

GENERAL NOTES:

1. THE PLANNING, DESIGN AND CONSTRUCTION OF SEWERS SHALL BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION.
2. THE MINIMUM SIZE OF SEWER WHERE GUIDE BARS, SAFETY CHAINS, OR OTHER SAFETY DEVICES ARE REQUIRED IN MANHOLES SHALL BE BE 375mm DIAMETER.
3. ALL TYPE 1 AND 2 MANHOLES SHOULD HAVE A CONCRETE SURROUND. CONCRETE RINGS SHALL BE SEALED USING "TOKSTRIP" AND LIFTING EYES POINTED WITH RESIN MODIFIED MORTAR.
4. COMPLIANCE WITH HEALTH AND SAFETY MATTERS ON ANY TRENCH/MANHOLE IS OBLIGATORY AND A PERMIT TO ENTER A CONFINED SPACE IS REQUIRED WHEN CONNECTING SITE DRAINAGE TO THE EXISTING PUBLIC SEWERAGE SYSTEM. A PERMIT TO ENTER A CONFINED SPACE WILL BE OBTAINED FROM DCWW PRIOR TO WORKS COMMENCING ON ANY PUBLIC SEWERAGE SYSTEM.
5. WHERE THE PROPOSED SITE DRAINAGE CONNECTS TO THE PUBLIC SEWERAGE SYSTEM EITHER BY NEW JUNCTION, NEW MANHOLE OR AT AN EXISTING MANHOLE OR AT AN EXISTING MANHOLE, IT WILL REQUIRE THE SUBMISSION OF AN APPLICATION FOR SEWER CONNECTIONS FORM DCWW PRIOR TO WORKS COMMENCING.
6. MH COVERS AND FRAMES SHALL BE DUCTILE IRON WITH A MINIMUM SQUARE OPENING OF 675x675mm. COVERS SHALL BE DOUBLE TRIANGLE FOR 675mm SQUARE OPENINGS AND BE PROVIDED WITH LOOSE BOLTED CONNECTIONS. TYPICALLY FRAMES ARE 150mm DEEP BUT IN ALL CASES THE FRAMES SHALL COMPLY WITH SFA7.
7. PROPOSED ADOPTABLE SEWERS ARE ONLY PERMITTED TO HAVE OTHER SEWER/GULLY CONNECTIONS AND OTHER SERVICES LAID AT AN ANGLE OF BETWEEN 45° AND 90° ACROSS THE LINE WITH A VERTICAL CLEARANCE IN EXCESS OF 300mm.
8. ALL IRONWORK TO BE KITE MARKED BY BSI OR CERTIFIED BY EQUAL INSPECTION AUTHORITY.
9. RED COLOURED PLASTIC MARKER TAPE AT LEAST 150mm WIDE SHALL BE LAID AT A MINIMUM OF 200mm ABOVE THE SOFFIT OF THE PIPE. THE TAPE SHALL BE PRINTED WITH THE WORDS "GRAVITY SEWER" IN BOLD CAPITAL LETTERS THROUGHOUT ITS LENGTH AND AT INTERVALS NOT EXCEEDING 700mm AND SHALL INCORPORATE A CORROSION RESISTANT TRACING SYSTEM FOR NON-METALLIC PIPES.
10. ALL WORKS TO BE ADOPTED UNDER THE SECTION 104 AGREEMENT SHALL BE INSPECTED BY DCWW IN ACCORDANCE WITH THEIR REQUIREMENTS (FOUL AND SURFACE WATER SEWERS)
11. ALL WORKS TO BE ADOPTED UNDER THE SECTION 38 AGREEMENT SHALL BE INSPECTED BY RCT IN ACCORDANCE WITH THEIR REQUIREMENTS (HIGHWAY DRAINAGE)
12. REFER TO LONGITUDINAL SECTIONS FOR DETAILS OF PIPE SIZES, INVERT LEVELS, BEDDING, ETC.
13. SUBJECT TO DRAINAGE AUTHORITY APPROVAL PLASTIC PIPES FOR GRAVITY SEWER, 150mm – 300mm ARE TO BE EITHER:-
 - MARLEY TWINWALL SYSTEM
 - UPONOR ULTRARIB SYSTEM
 - OSMA ULTRARIB SYSTEM
 - POLYSEWER TWINWALL SYSTEM

 PLASTIC PIPES APPROVAL BY DCWW FOR LARGER DIAMETER GRAVITY SEWERS ARE:
 - POLYPIPE – RIGISEWER (400mm–600mm)
 - POLYPIPE – RIDGISTORM XL (750mm–900mm)

 ANY PROPOSED CHANGES TO THE MATERIAL MUST BE AUTHORISED BY DCWW.
14. SULPHATE RESISTING PORTLAND CEMENT SHALL BE USED FOR ALL CONCRETES AND MORTARS HAVING EQUIVALENT COMPRESSIVE STRENGTH OF 20N/mm OR GREATER (INCLUDING PRECAST CONCRETE PRODUCTS), UNLESS TESTS INDICATE OTHERWISE.
15. FOUL WATER MANHOLES TO BE BADGED "FW". SURFACE WATER MANHOLES TO BE BADGED "SW"

Rev:	Date:	Details	By.	Chk:
-				

Amendments

Client:

WDL Homes
Making a house into your new home

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Project:

WDL Homes
Trefechan

Drawing Title:

Deep Bore Soakway Construction Details

Drawn:	Chk:	Status:	Scale:
MP	SJD	Approval	NTS @ A1

Date:	Job No.	Drg. No.	Rev.
Feb 2021	1914	116	-