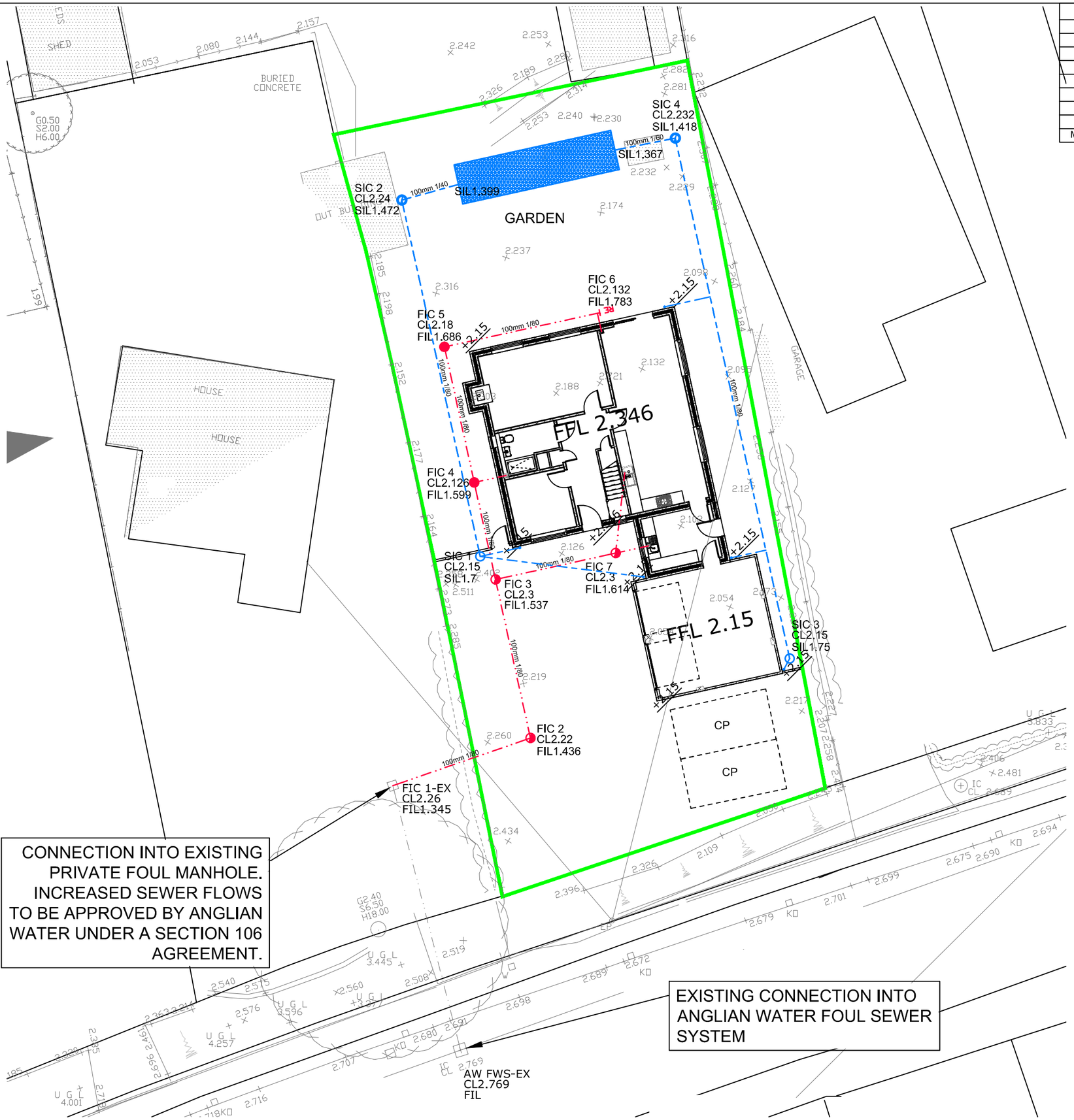
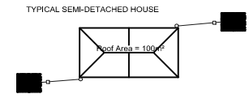
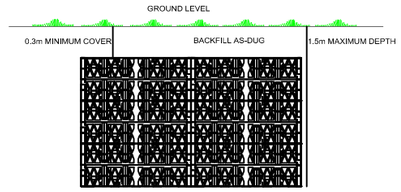


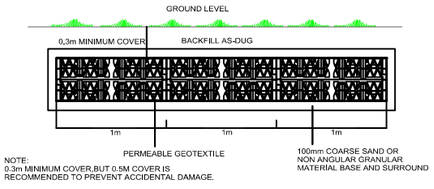
Infiltration Trench - Plot 8	
Lowest Cover Level (m)	2.260
Level top of Crates (m)	1.500
Base level of Crates (m)	1.100
Pipe invert (m)	1.399
Contributing area (m2)	158
Dimension on Plan (m)	2.0 x 8.0
Cell Depth (m)	0.4 (1 Unit)
Void Space (%)	95
Maximum Storage Volume (m3)	6.08

TYPICAL SEMI-DETACHED HOUSE



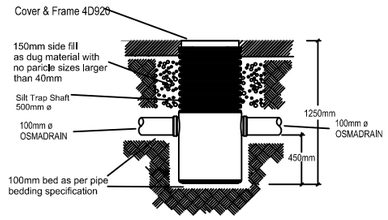
NOTES :
1. Soakaways should be sited at least 5m away from the building. (Ref BS EN 752)
2. The exact size and shape of the soakaways are to be determined once all the necessary calculations have been produced as described in BRE Digest 365 - Soakaway Design
3. Maximum installation depth 1.5m
4. Loading capacity 17.5 tonnes/m² vertically 4.0 tonnes/m² laterally
5. = MINIMUM 250mmØ Silt Trap





NOTE:
0.3m MINIMUM COVER,BUT 0.5M COVER IS RECOMMENDED TO PREVENT ACCIDENTAL DAMAGE.

Typical Detail for Silt Trap
Non Trafficked areas



GENERAL NOTES

1. THIS DRAWING IS COPYRIGHT ©.
2. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.
4. ALL WORK SHALL COMPLY WITH THE BUILDING REGULATIONS AND THE REQUIREMENTS OF THE LOCAL AUTHORITY, CURRENT CODES OF PRACTICE AND BRITISH STANDARDS.
5. ALL EXISTING SERVICES, SEWERS AND DRAINS INDICATED ON THIS DRAWING AND ANY OTHER RELATED DRAWINGS ARE SHOWN ONLY INDICATIVELY, AND SHALL HAVE THEIR POSITIONS AND LEVEL CONFIRMED ON SITE BY THE CONTRACTOR.
6. THE INVERT LEVELS OF ALL EXISTING SEWERS, DRAINS, DITCHES, TANKS OR OTHER FEATURES AND APPARATUS WHERE A NEW CONNECTION IS TO BE MADE SHALL HAVE THEIR PRECISE POSITION AND LEVEL CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK. THE RESULTS OF THE INVESTIGATIONS SHALL BE CONFIRMED TO MTC ENGINEERING (CAMBRIDGE) LTD SO THAT THE DESIGN CAN BE VERIFIED.

DRAINAGE NOTES

1. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OFBUILDING REGULATIONS 2010, PART H, "DRAINAGE AND WASTE DISPOSAL", (01ST OCTOBER 2015).
2. ALL PIPES TO BE BEDDED AND BACKFILLED IN ACCORDANCE WITH PART H, DIAGRAM 10, SHALLOW PIPES SHALL BE PROTECTED IN ACCORDANCE WITH PART H, DIAGRAM 11.
3. UNLESS OTHERWISE STATED, ALL PRIVATE DRAINAGE TO BE 100MM DIAMETER, GRADIENTS HAVE BEEN SHOWN WHERE THERE ARE PIPE CAPACITY ISSUES AND THESE SHOULD BE REGARDED AS MINIMUMS. UNLESS THERE ARE CONSTRAINTS DICTATING OTHERWISE, GRADIENTS SHALL GENERALLY BE 1 IN 60. 100MM DIAMETER PIPES SHALL NOT BE LAID FLATTER THAN 1 IN 80, 150MM DIAMETER PIPES SHALL NOT BE LAID FLATTER THAN 1 IN 150.
4. ALL PIPES, CHAMBERS AND FITTINGS TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
5. PIPES WHICH RUN ADJACENT TO BUILDINGS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PART H, CLAUSES 2.23 TO 2.25 AND DIAGRAM 8.
6. ALL PRIVATE MANHOLES, INSPECTION CHAMBERS AND DRAINAGE CHANNELS TO COMPLY WITH BS EN124, COVER STRENGTHS TO BE:
   6.1. CLASS D400 IN HEAVY TRAFFICKED AREAS (ACCESS ROADS, SERVICE YARDS ETC,)
   6.2. CLASS C250 IN LIGHTLY TRAFFICKED AREAS (CAR PARKS, DRIVEWAYS ETC)
   6.3. CLASS B125 IN NON TRAFFICKED AREAS
   6.4. CLASS A15 IN LANDSCAPING AREAS
7. ALL DRAINS IN THE VICINITY OF EXISTING OR PROPOSED TREES TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NHBC PRACTICE NOTE 3.
8. PRIVATE DRAINAGE FRAMES MUST BE TIED TO MANHOLE RISERS BY USE OF MANUFACTURERS TIES (E.G. POLYPIPE REF. FRK500 FIXING KIT AND FRK501 BLACK TIES.) THE GROUND WORKS CONTRACTOR WILL BE HELD FULLY RESPONSIBLE FOR ANY ACCIDENTS DUE TO INCORRECT FITTING OR FAILURE TO USE THE CORRECT MANUFACTURERS FIXING EQUIPMENT.
9. ALL EXISTING LAND DRAINS ENCOUNTERED ON SITE DURING CONSTRUCTION TO BE RE-CONNECTED.
10. AS UNDERLYING GROUND CONDITIONS MAY BE VARIABLE ACROSS THE SITE THE CONTRACTOR SHALL UNDERTAKE ONSITE POROSITY TESTS AT THE LOCATION AND DEPTH OF EACH SOAKAWAY. TESTS SHOULD BE UNDERTAKEN IN ACCORDANCE WITH BRE365 AND RESULTS FORWARDED TO THE ENGINEERS TO ALLOW VERIFICATION OF DESIGNS.

STORM WATER

11. ALL RUN-OFF FROM DOMESTIC ROOFS SHALL DRAIN VIA A SERIES OF SURFACE DRAINAGE SYSTEMS WITH EACH OUTFALL TO CELLULAR SOAKAWAYS. THE SOAKAWAYS AND DRAINAGE SYSTEMS ARE TO REMAIN PRIVATE AND HAVE BEEN DESIGNED TO ACCOMMODATE ALL STORMS UP TO AND INCLUDING THE 100YR + 40% EVENT.
12. ALL PRIVATE DRIVEWAYS AND SHARED ACCESSES SHALL DRAIN VIA PERMEABLE PAVING. THE PAVING SHALL BE DESIGNED BASED ON CBR RESULTS AND TO ACCOMMODATE THE REQUIRED LOADING.
13. THE DESIGN OF EACH SOAKAWAY HAS BEEN UNDERTAKEN ON THE BASIS OF INFILTRATION RATES ESTABLISHED ON SITE BY BRE 365 TESTING. THE RATE USED IN DESIGN IS 0.036 M/HR.

FOUL WATER DRAINAGE

14. DOMESTIC FOUL SEWERAGE FROM ALL PROPERTIES SHALL DRAIN VIA A PRIVATE GRAVITY FOUL WATER DRAINAGE SYSTEM WHICH SHALL DISCHARGE TO THE EXISTING PRIVATE MANHOLE CHAMBER IN 45 POSTLAND ROAD, WHICH CONNECTS TO THE PUBLIC FOUL SEWER. CONNECTION WILL BE SUBJECT TO A S106 CONNECTION AGREEMENT WITH THE WATER AUTHORITY.

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION/REASON FOR ISSUE	TECH
A	14/09/20	SWS DRAINAGE ADDED	AO

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TITLE
LAND REAR OF 38 POSTLAND RD
EASTLANDS, CROWLAND
LINCOLNSHIRE, PE6 0JB
PLOT 8 FOUL S106 DRAINAGE PLAN

ORIG	DATE
A.O	JUNE 2020
CHKD	SCALE 1:200 @ A3
APPR	DRAWING NO 1490-11 REV A

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