

SURFACE WATER DESIGN

SURFACE WATER SHALL DISCHARGE TO ONE OF THE FOLLOWING, LISTED IN PRIORITY ORDER:

A) AN ADEQUATE SOAKAWAY OR SOME OTHER ADEQUATE INFILTRATION SYSTEM; OR WHERE THIS IS NOT REASONABLY PRACTICABLE,

B) A WATERCOURSE, OR, WHERE THIS IS NOT REASONABLY PRACTICABLE,

C) A SEWER

AN ASSESSMENT OF THE EXISTING AND PROPOSED IMPERMEABLE AREAS HAS BEEN UNDERTAKEN TO ASSESS THE IMPACT OF THE PROPOSED EXTENSION AND REBUILD. THIS ASSESSMENT HAS IDENTIFIED AN INCREASE IN IMPERMEABLE AREA OF 489m². THIS INCREASE IS QUITE CONSIDERABLE. THE EXISTING DISCHARGE RATE FROM THE SITE WAS 4.6L/S, HAVING APPLIED A 50% REDUCTION AS PER THE LFA GUIDANCE. THE NEW PROPOSED DISCHARGE RATE IS TO BE REDUCED TO 2.3L/S.

EXISTING IMPERMEABLE AREA: 333m²

PROPOSED IMPERMEABLE AREA: 830m²

A DESKTOP STUDY ON BGS MAPS, SHOWS THE GEOLOGY OF THE SITE COMPRISES OF TILL WHICH CONTAINS CLAY MATERIAL WITH LOW PERMEABILITY, THEREFORE INFILTRATION ISNT AN OPTION AND SURFACE WATER WILL DISCHARGE TO THE WATERCOURSE.

FOUL WATER DESIGN

FOUL WATER SHOULD DISCHARGE TO ONE OF THE FOLLOWING, LISTED IN PRIORITY ORDER:

A) A PUBLIC SEWER, OR, WHERE THAT IS NOT REASONABLY PRACTICABLE,

B) A PRIVATE SEWER COMMUNICATING WITH A PUBLIC SEWER, OR, WHERE THAT IS NOT REASONABLY PRACTICABLE,

C) EITHER A SEPTIC TANK WHICH HAS AN APPROPRIATE FORM OF SECONDARY TREATMENT OR ANOTHER WASTEWATER TREATMENT SYSTEM; OR, WHERE THIS IS NOT REASONABLY PRACTICABLE

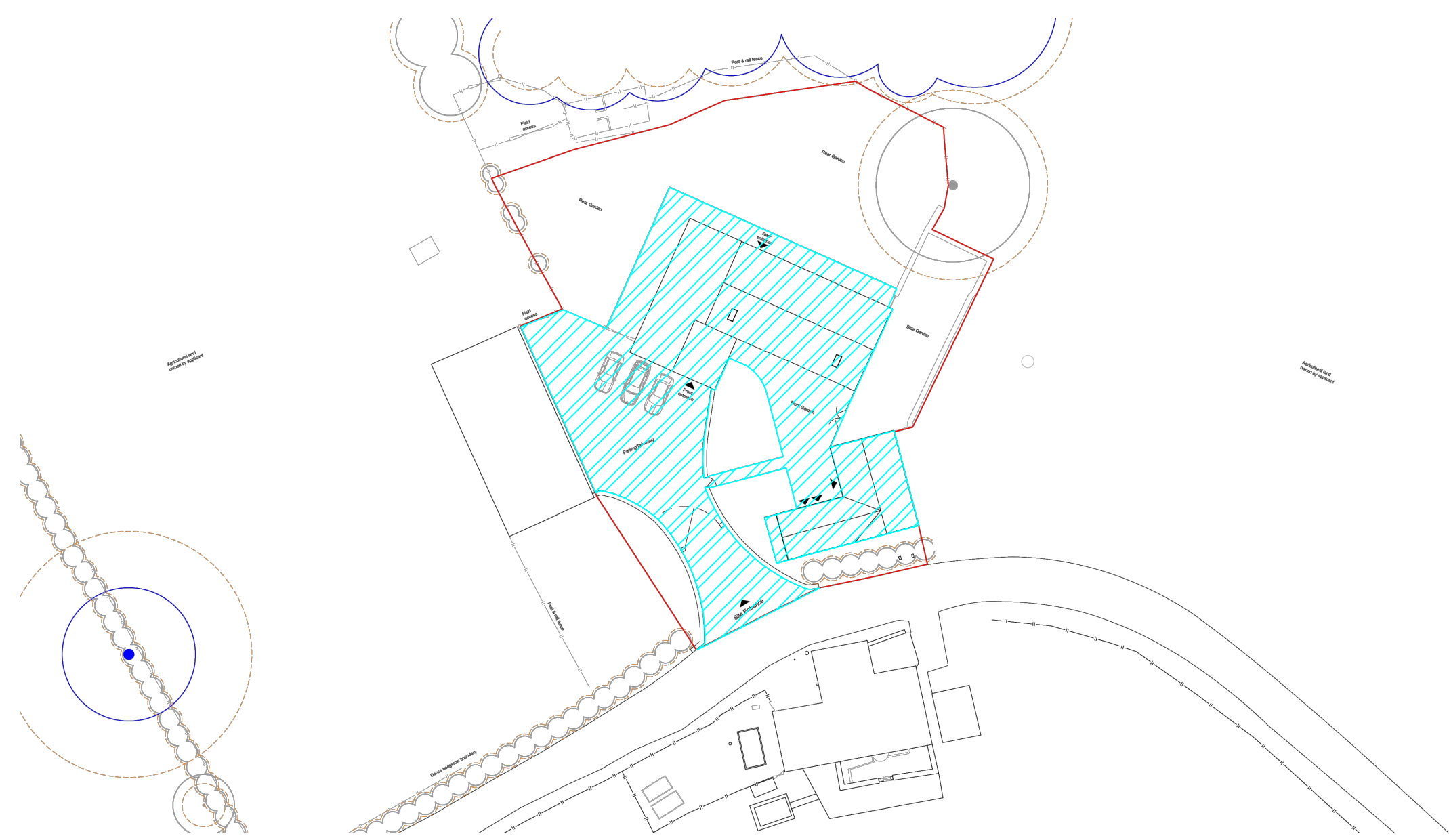
D) A CESSPOOL.

A SITE WALKOVER HAS IDENTIFIED THERE ARE NO SURFACE OR FOUL WATER SEWERS WITHIN CLOSE PROXIMITY TO THE DEVELOPMENT, THEREFORE THE FOUL WATER WILL BE TREATED ON SITE AND ENTER THE PROPOSED SURFACE WATER SYSTEM AND OUTFALL TO THE WATERCOURSE.

AREA	TOTAL AREA m ² (ha)
EXISTING IMPERMEABLE	333m ² (0.033ha)
PROPOSED IMPERMEABLE	830m ² (0.083ha)



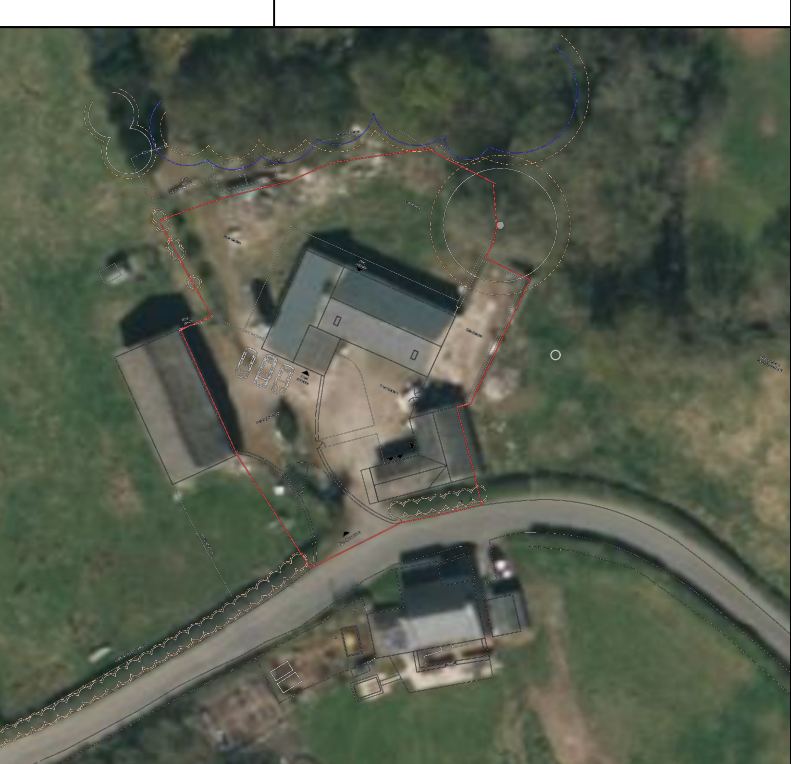
EXISTING IMPERMEABLE AREA - 1:500



PROPOSED IMPERMEABLE AREA - 1:500



	SITE LOCATION OS X (EASTINGS) 363860 OS Y (NORTHINGS) 464144 NAT GRID POSTCODE SD 63868 44144 FRS 265
--	---



KEY PLAN - 1:1000

NOTES:

- COPYRIGHT IN THIS DOCUMENT BELONGS TO PAUL WASTE ASSOCIATES LIMITED & ALL RIGHTS IN IT ARE RESERVED BY THE OWNER.
- NO PART OF THIS DRAWING MAY BE COPIED, TRANSMITTED, OR MADE AVAILABLE TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF PAUL WASTE ASSOCIATES LIMITED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS.
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES.
- NO DIMENSIONS TO BE SCALED FROM THIS DRAWING.
- ONLY PAPERBACK COPIES OF DRAWINGS SHOULD BE REFERRED TO FOR CONSTRUCTION. USE OF THE USE OF AUTO-CAD DRAWINGS OR ANY OTHER ELECTRONICALLY GENERATED DEVELOPERS RISK AND ALL DIMENSIONS AND SETTING OUT MUST BE CHECKED IN CONJUNCTION WITH THE ARCHITECT AND ENGINEERS CONSTRUCTION DRAWINGS. ALL DRAWINGS SHOULD BE CONFIRMED AS LATEST ISSUE ON THE DOCUMENT ISSUE SHEET PRIOR TO COMMENCEMENT OF WORKS AND SHOULD BE USED FOR THEIR INTENDED DRAWING STATUS. ANY DISCREPANCIES BETWEEN THE ARCHITECT AND ENGINEERS DRAWINGS ARE TO BE IMMEDIATELY NOTICED TO ALL PARTIES.

NOTE TO DEVELOPERS:

- FEL SET THROUGH FRA PROVIDED AS MITIGATION MEASURE FOR SW
- GULLY AND CHANNEL DRAIN LOCATION TO BE REVIEWED

KEY

- EXISTING SURFACE WATER SEWER
- EXISTING SURFACE WATER MANHOLE
- EXISTING FOUL WATER SEWER
- EXISTING FOUL WATER MANHOLE
- EXISTING COVERED WATER SEWER
- EXISTING COVERED WATER MANHOLE
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED CHANNEL
- PROPOSED CHANNEL
- PROPOSED FOUL WATER SEWER
- PROPOSED FOUL WATER INSPECTION CHAMBER
- SEWER BOUNDARY
- SEWER ADJACENCY

RISK REFERENCE	RISK DESCRIPTION	RISK CONSIDERATION/ MITIGATION
R.01	LARGE TREES WITHIN AREA OF PROPOSED WORKS.	AVOID CONTACT AND DISRUPTION WITH TREES TO PREVENT HARMING TREE OR WILDLIFE.
R.02	LOCATION OF ATTENUATION TANK.	ATTENUATION TANK SHOULD BE PLACED SUFFICIENTLY AWAY FROM LOCATION OF THE EXISTING TREE AND OTHER SITE FEATURES.
R.03	RWP LOCATIONS.	RWP LOCATIONS ARE INDICATIVE AND NEED TO BE CONFIRMED BY THE ARCHITECT.

PROJ	22.10.25	INITIAL ISSUE	25	LS
Rev	Date	Remarks	Drawn	CHKD

PWA / GROUP			
CIVIL	SUMMIT HOUSE, 88 PARLIAMENTARY WAY,	01535 633350	
STRUCTURAL	THE CROSSINGS, CROSSHILLS,	info@pwagroup.co.uk	
GEO-ENVIRONMENTAL	KIRKLEY, BR200 7BW	www.pwagroup.co.uk	

Client	ZARA MOON ARCHITECTS
--------	----------------------

Project	PROPOSED REFURBISHMENT LEAGRAM MILL FARM PRESTON
---------	--

Title	PROPOSED DRAINAGE LAYOUT
-------	--------------------------

Size	A1	Scale	1:1000	Designed	RS	Checked	LS	Date	OCT 25
------	----	-------	--------	----------	----	---------	----	------	--------

Drawing Status: PRELIMINARY									
Job Number	25039	Originator	PWA	Date	00	XX	DR	C	1000
Rev	P01								