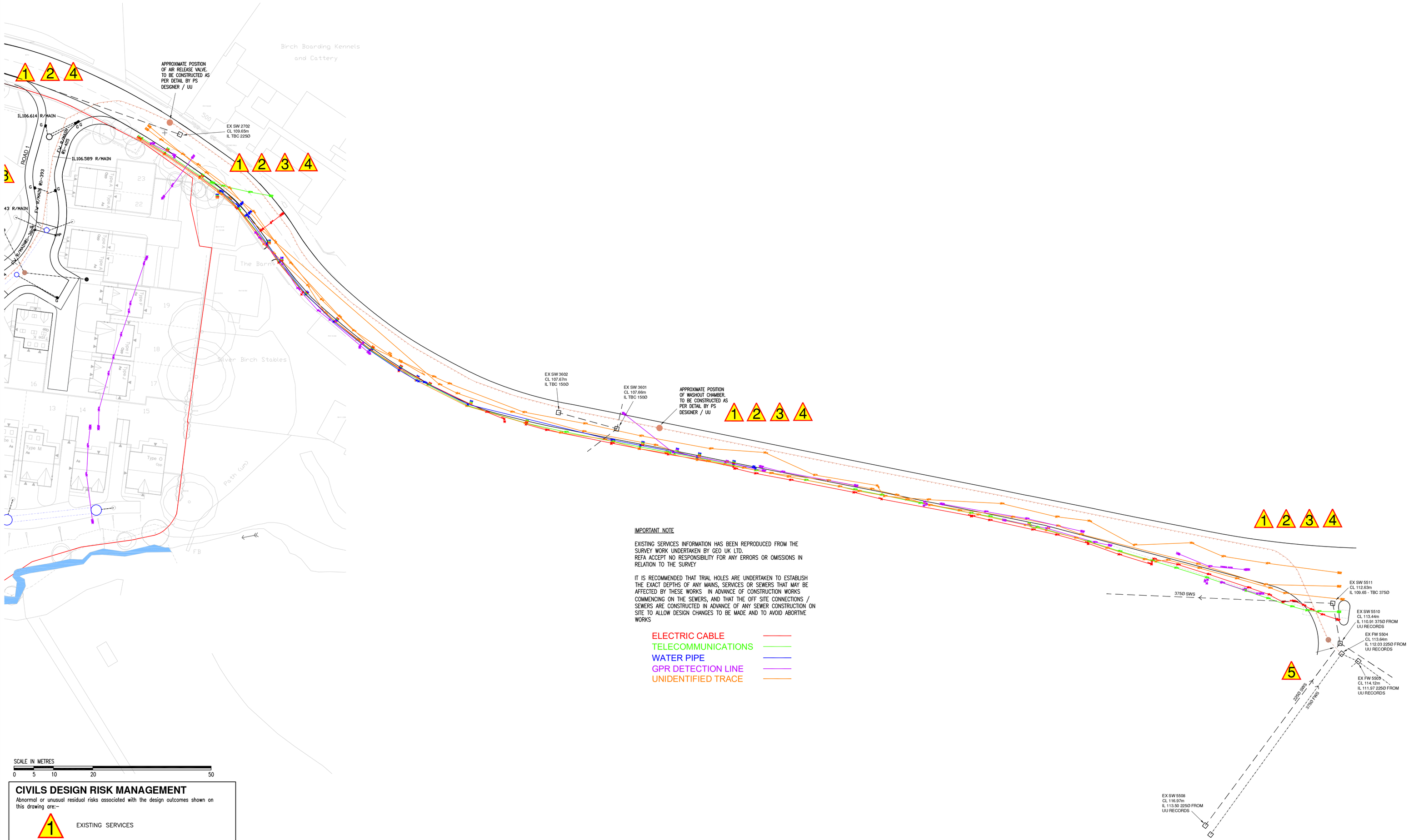


IMPORTANT NOTE

EXISTING SERVICES INFORMATION HAS BEEN REPRODUCED FROM THE SURVEY WORK UNDERTAKEN BY GEO UK LTD.
REFA ACCEPT NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS IN RELATION TO THE SURVEY

IT IS RECOMMENDED THAT TRIAL HOLES ARE UNDERTAKEN TO ESTABLISH THE EXACT DEPTHS OF ANY MAINS, SERVICES OR SEWERS THAT MAY BE AFFECTED BY THESE WORKS IN ADVANCE OF CONSTRUCTION WORKS COMMENCING ON THE SEWERS, AND THAT THE OFF SITE CONNECTIONS / SEWERS ARE CONSTRUCTED IN ADVANCE OF ANY SEWER CONSTRUCTION ON SITE TO ALLOW DESIGN CHANGES TO BE MADE AND TO AVOID ABORTIVE WORKS

- ELECTRIC CABLE
- TELECOMMUNICATIONS
- WATER PIPE
- GPR DETECTION LINE
- UNIDENTIFIED TRACE

SCALE IN METRES
0 5 10 20 50

CIVILS DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:--

1. EXISTING SERVICES
2. WORKING ON EXISTING ROAD
3. DANGER OF COLLAPSE TO ALL EXCAVATIONS – RISK TO BE ASSSESED AND MANAGED BY CONTRACTOR IN ACCORDANCE WITH HSE GUIDANCE
4. WORKING IN AREAS WHERE MEMBERS OF THE PUBLIC HAVE ACCESS E.G. MAIN ROAD
5. WORKING ADJACENT TO EXISTING RIVER / CULVERT AND ON LIVE FOUL / COMBINED SEWERS (Weil's disease)

REFA Ltd has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type

PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED.
ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.

THIS DRAWING IS BASED ON PLANNING LAYOUT PROVIDED BY CLIENT
DRAWING NUMBER:- PL01
REVISION:- 25
CLIENT TO ENSURE THE ABOVE LAYOUT IS CURRENT BEFORE USING THIS DRAWING FOR CONSTRUCTION PURPOSES

GENERAL

1. All adoptable sewers and associated works are to comply fully with "Design and Construction Guidance" & Local Practices
2. All highway works to be to adoptable standards and to to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA. All levels are based on topographical survey information provided by others.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works.
All design work has been carried out with Health and Safety aspects given full consideration.
Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.
We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.
They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:–

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people,materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

rev	Revision details	Rev.By	Date

smas worksafe designer – SSIP SAFETY SCHEMES IN PROCUREMENT – www.smasltd.com

Drawing Stage			Drawing Status		
	Draft		Comments	●	Tender
●	Issued		Information		Construction
		●	Approval		As Built

Client
HOLLINS HOMES LIMITED

Job title
LANGLEY LANE BIRCH

Drawing title
OFF SITE SERVICES INFORMATION

REFA
45 Bridgeman Terrace
Wigan, Lancs
WN1 1TT
Tel:-(01942) 826020
Fax:-(01942) 230816
CONSULTING ENGINEERS
CIVIL • STRUCTURAL
GEOTECHNICAL • ENVIRONMENTAL

Date	Scale	Drawn
20.06.23	1/500	RF

DRAWING No 18070/100/6 Rev

© This drawing is the property of REFA and should not be copied, used or its contents divulged without prior written consent.

A1 SHEET