Contact Details:

Ian Beaumont
High Gate
Higher Chisworth
Glossop
Derbyshire
SK13 5SA

Date of Site Visit – Wednesday 9th August 2023
Date of Quotation – Thursday 14th August 2023

Objectives:

- Review for new Sewage Treatment Plant for x5 dwellings
- Propose compliant system / options

Site Location: SK13 5SA (not quite accurate)
W3W - https://w3w.co/plastic.renovated.treaties



MPC Services Ltd., part of The Haigh Group Ltd. 1&2 Heanor Gate Rd, Derbyshire, DE75 7RJ
VAT No. GB 690 4446 23 | Company Reg. 06081177

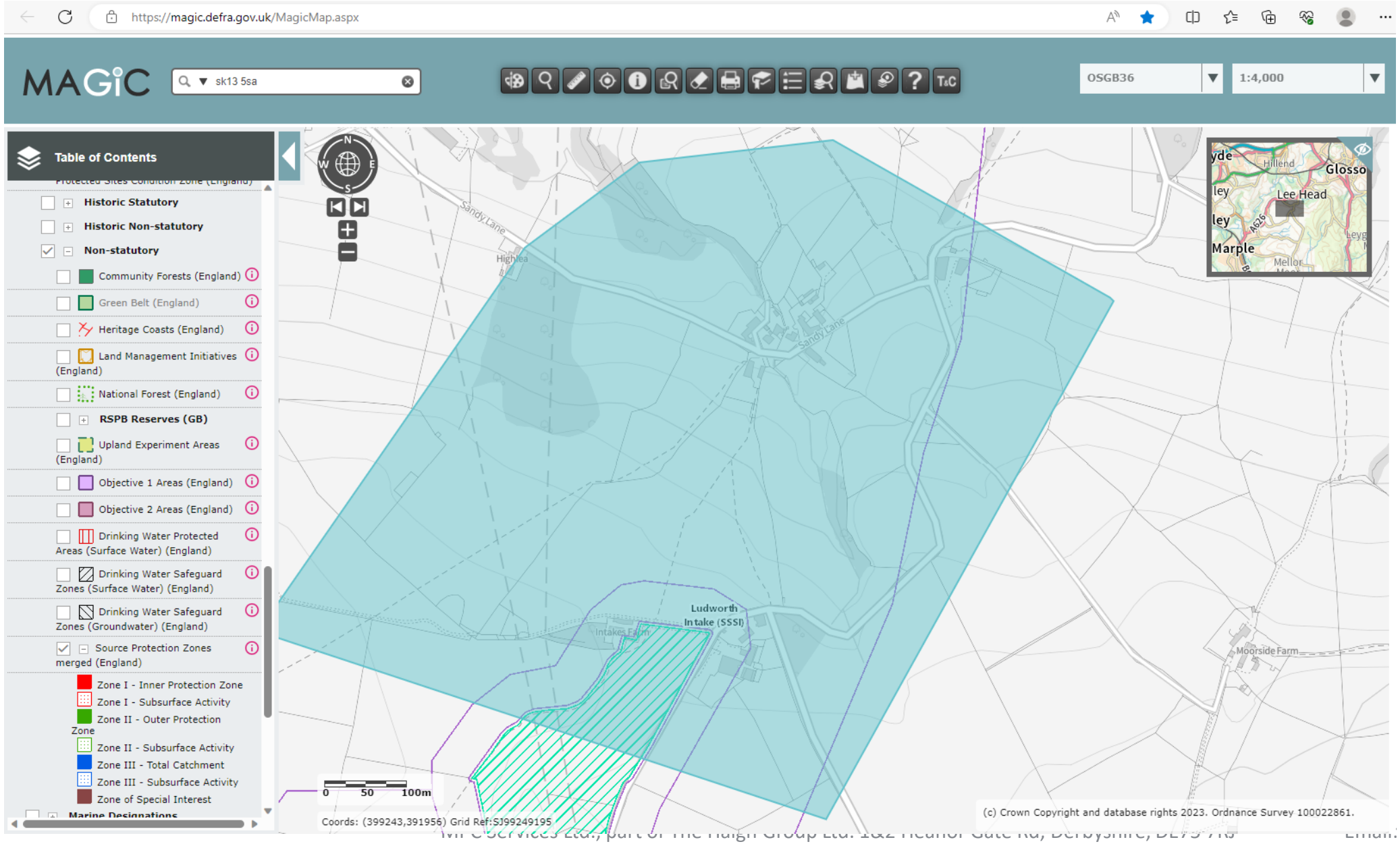
Email: enquiries@mpcservices.co.uk
Tel: 01773 767612

Site Access from Road



MPC Services Ltd., part of The Haigh Group Ltd. 1&2 Heanor Gate Rd, Derbyshire, DE75 7RJ
VAT No. GB 690 4446 23 | Company Reg. 06081177
Email: enquiries@mpcservices.co.uk
Tel: 01773 767612

SSSI – >50m OK
SPZ – NONE



Existing Layout – locations are approximate



- Culvert (approx.)
- Approx. existing Drainfield
- New STP
- Existing Septic Tank
- Air line
- 1ph. Electrical supply
- Existing perforated pipe
- New 450 manhole
- Discharge manhole
- Water Main
- Existing manhole
- Existing pipework
- New 160mm

Proposed Layout - locations are approximate



- Hydraulic break
- Approx. existing Drainfield
- New STP
- Existing Septic Tank
- Air line
- 1ph. Electrical supply
- Existing surface water
- New 450 manhole
- Power
- Compressor & Vent
- Existing manhole
- Existing pipework
- New 110mm










Septic Tank
3m
Manhole



Replacement system – Complete Project

To deliver a compliant, efficient new system on this site we would propose:

- We will propose to take a new 110mm feed from a new drain runs installed by us, at the new sewage treatment plant all aggregates, pipework and fittings included.
- We will install a new drain run and backfill the pipe run with excavated spoil.
- All new 110mm pipe will be bedded on 10mm pea gravel.
- Power to be taken from existing supply onsite, location to be finalized
- New Sewage Treatment Plant to be installed to take foul and grey waste, see plans above.
- The system will run to the existing outlet via a gravity outlet
- No rainwater is to enter the foul drainage system.
- Siting a new unit in location as per sketch above.
- Old tank will emptied and left as is.
- Remaining spoil to be removed from site.
- Building control to be engaged before excavations take place
- Landowners' permissions to be sought where applicable.
- Commissioning & set-up to manufacture's guidelines, including warranty activation
- Leaving the site level & tidy for resurfacing / reseeding wherever possible
- Follow up visit c. 3 months to ensure system is fully activated

Notes:

- Client would like a copy of the RAMS before we start with a brief programme of works and deliveries
- Client happy to have items delivered the day before provided notice is give and the access details are relayed to drivers
- Access for site were owned by others – permission should be sought. – all land owned by client
- Access road is tight, plenty of space for deliveries and equipment – deliveries to be staggered
- Welfare unit for the engineers to be onsite
- Connect to existing outlet
- Access onsite is very tight – no vehicular or pedestrian access to be made
- Line search before you dig to be completed for water and all other facilities
- Discuss with client at start of works for locations of sewage system, compressor housing and vent – mark out and ensure all in agreement
- Building Control – included to meet onsite before works commence
- Tankering and washdown – additional if required
- Electrician – included
- Spoil – included x2 10-yard skips
- New SWA cable - included
- Care to be taken when excavating
- EA permit – not required
- Postcode is not quite accurate
- Our price is a fixed cost basis

Modern systems are either RBC (Rotating Bio Disc) or Aeration type and we will propose options that are all compliant to the current effluent requirements for this scenario based on British Water flows and Loads.

Typical maintenance requirements and ongoing costs are an annual de-sludge and the electrical consumption for an air compressor (50W = 440kWh per annum, 80% saving)
A compressor, the only wear item on an aerobic system, lasts typically 5 years with a replacement costing £150 to £300 + VAT