

APPENDIX 12E: INFORMATION RECEIVED FROM INNOVIA LIMITED

NOT PROTECTIVELY MARKED

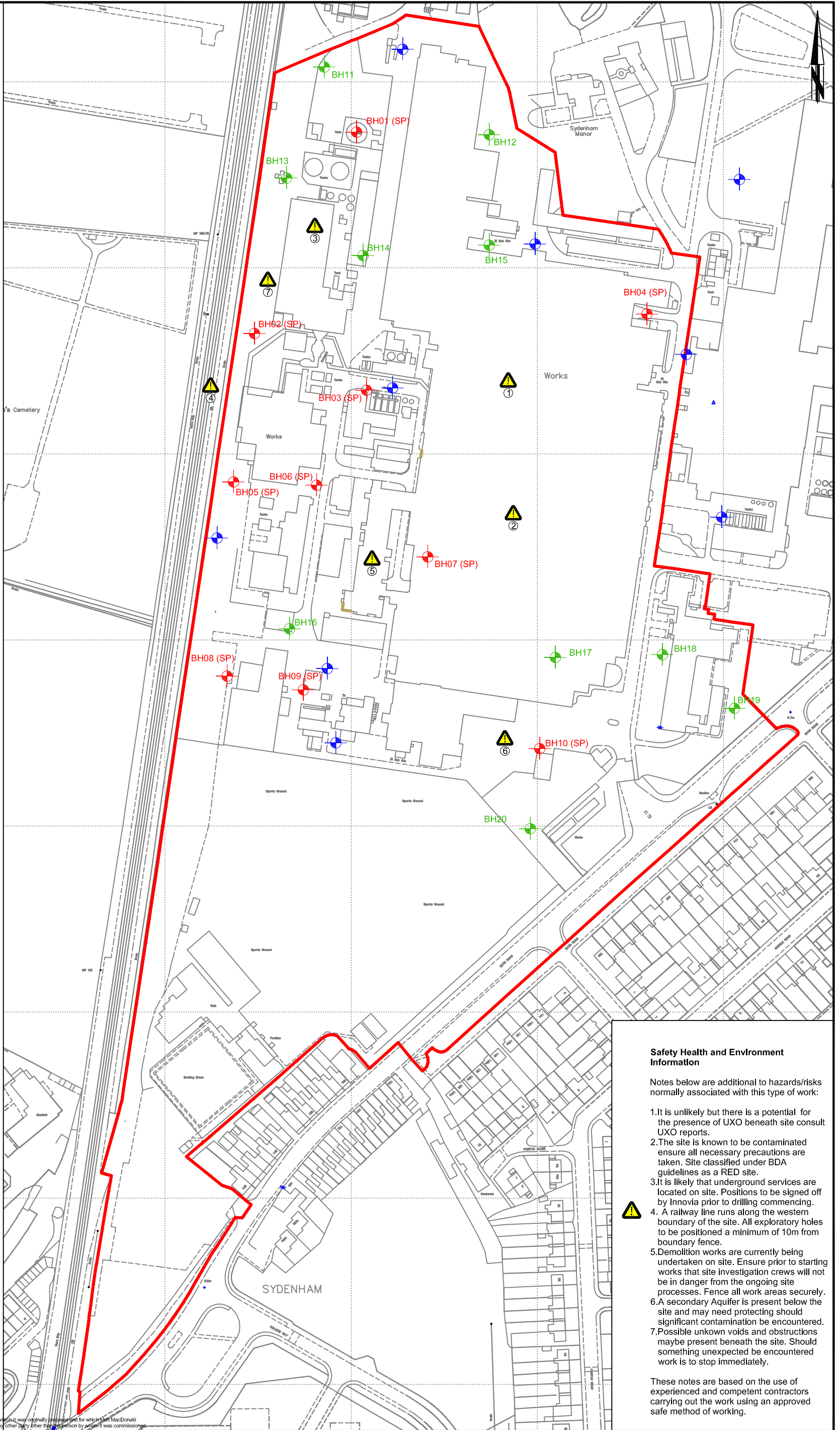
NOT PROTECTIVELY MARKED

Location Comment

- BH01 Underneath the Old Heavy Fuel Oil Tank and within the area of the previous light fuel oil spillage
- BH02 In close proximity to drains
- BH03 In close proximity to a liquid storage area for Glycols, Glycerine and hypochlorite bleach.
- BH04 In the casting waste area. This could contain a number of different contaminants including Carbon Disulphide, NaOH, H₂SO₄, Sulphides, Bleach, Glycols, Glycerine, Urea.
- BH05 In the solvent recovery area. Likely contamination with spent carbon, itself contaminated with a variety of solvents including Toluene, THF, MEK, Ethyl Acetate.
- BH06 Solvent recovery area- this area is likely to be highly contaminated with solvents as in BH05 and HAS NOT BEEN MARKED IN GREEN.
- BH07 No obvious known problems
- BH08 Old railway unloading sidings and Chemical storage areas. These may contain a variety of monomers including: acrylic acid, acrylonitrile, methacrylic acid, methacrylonitrile,
- BH09 methyl acrylate, methyl methacrylate, hydroxy ethyl acrylate, vinyl chloride and vinyldene chloride. This list is not an exhaustive list of possible chemicals.
- BH10 No obvious known problems
- BH11 Within area of previous fuel oil spillage.
- BH12 In close proximity to drains and oil drum storage area.
- BH13 Live gas main nearby and close to old coal storage area.
- BH14 No obvious known problems
- BH15 No obvious known problems
- BH16 Close to old solvent flushing storage area. A variety of solvents possible as for BH05
- BH17 No obvious known problems
- BH18 No obvious known problems
- BH19 No obvious known problems
- BH20 No obvious known problems

Notes

- The ground investigation proposed is provisional.
- Boreholes are to be executed using cable percussive drilling techniques. Holes are to be started at 200mm outside diameter and fully cased. If required when the base of made ground has been reached a bentonite plug is to be installed and left for one hour to hydrate. The boreholes are then to be advanced at 150mm outside diameter fully cased to depth.
- Where concrete slabs are present diamond coring techniques shall be used to advance the borehole.
- The Contractor is required to undertake all site works in accordance with his Method Statement, which is to be agreed in advance with the Engineer and CDM Co-ordinator.
- Exploratory hole locations are based on Drawing HPC-GEN072-AA-000-DRW-820201 Rev 0.6 (21/05/2011). The exact location and nature of the holes is subject to review and refinement prior to the site works in order to tailor the detailed ground investigation works to the development plans available at that time and any further issues that emerge.
- The proposed exploratory hole locations assume that there are no constraints with regard to aspects such as planning, archaeology, ecology, access, underground services, and overhead services. The location of each hole is to be confirmed by the Contractor prior to undertaking the hole and no work for any particular hole shall commence until approval for the general location of the hole has been granted by the Engineer. Detailed location of each hole shall be determined by the Contractor subject to services searches / inspection. It should be noted that a watching brief from archaeological and / or ecological specialists is likely to be maintained during the works and the detailed location of holes may be adjusted by such specialists if required, and the progress of holes may be delayed to allow the specialists to undertake their role.
- Entec have advised that reptiles are potentially present across the whole BRI-A site. Ecological surveys are ongoing therefore the full extent is not yet known. There may need to be ad-hoc ecological supervision in open rough grassland whilst clearing vegetation in preparation for the exploratory holes. Further more accurate information shall be provided in a tool box talk given by Entec prior to works commencing. Currently there are no known archeological constraints at the site.
- Access routes to and within the site are to be agreed with the Engineer and Innovia in advance. Efforts shall be made to minimise damage to the site and damage caused shall be made good.
- All exploratory holes left open overnight shall be securely covered and the hole location securely fenced off using Heras fencing or similar.
- If exploratory holes are to be left unattended or if there is public / livestock access to the site, the hole shall be securely fenced off using Heras fencing or similar until the location of the hole has been reinstated.
- Surface reinstatement of all exploratory holes shall return the site to the pre-works condition as far as reasonably practical.
- Sub-surface reinstatement of boreholes, for example to preclude cross-contamination of strata, shall be agreed on a borehole to borehole basis with the Engineer.
- All boreholes are to adapt to rotary coring techniques once rockhead has been achieved and a minimum of 7.5m coring below rockhead is to be carried out. It is not anticipated that the boreholes will reach a depth greater than 35m.
- In situ testing to include SPT's, shear vane tests, and piston sampling are to be undertaken in all boreholes.
- Potential standpipe locations (SP) are indicative only and subject to change dependant on findings made during the ground investigation. It is likely only 8 of the 10 holes will be required to have installations.
- All borehole positions along the Western edge of the site to be positioned 10m away from boundary with Network Rail land to prevent drill rig toppling onto Network Rail property.



Safety Health and Environment Information

Notes below are additional to hazards/risks normally associated with this type of work:

- It is unlikely but there is a potential for the presence of UXO beneath site consult UXO reports.
- The site is known to be contaminated ensure all necessary precautions are taken. Site classified under BDA guidelines as a RED site.
- It is likely that underground services are located on site. Positions to be signed off by Innovia prior to drilling commencing.
- A railway line runs along the western boundary of the site. All exploratory holes to be positioned a minimum of 10m from boundary fence.
- Demolition works are currently being undertaken on site. Ensure prior to starting works that site investigation crews will not be in danger from the ongoing site processes. Fence all work areas securely.
- A secondary Aquifer is present below the site and may need protecting should significant contamination be encountered.
- Possible unknown voids and obstructions may be present beneath the site. Should something unexpected be encountered work is to stop immediately.

These notes are based on the use of experienced and competent contractors carrying out the work using an approved safe method of working.

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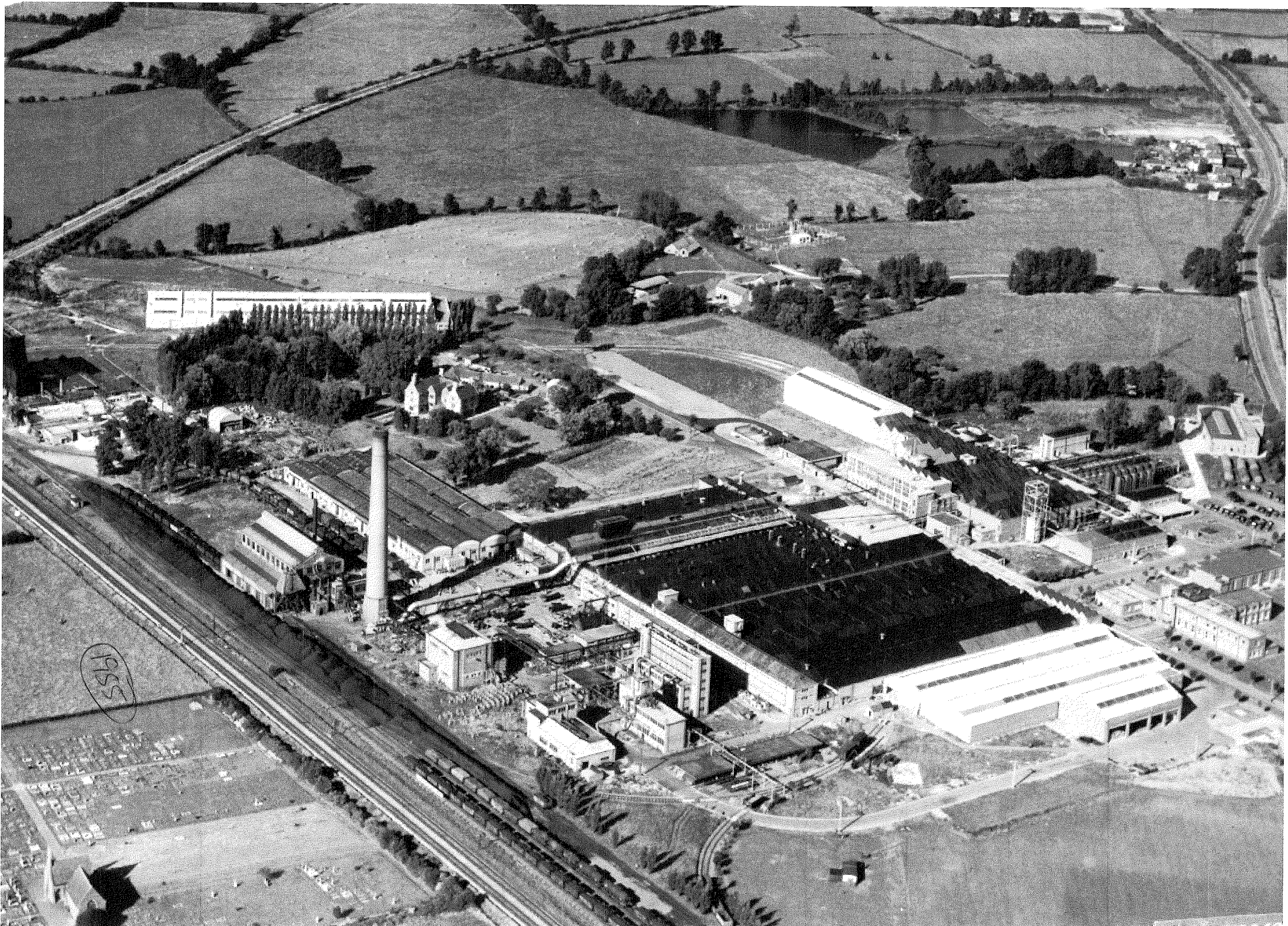
edf ENERGY

Key

- Proposed Site Boundary
- Historic Borehole Locations
- Proposed Required Borehole Locations to maximum 35m depth
- Proposed Optional Borehole Locations to 10-15m depth

Rev	Date	Drawn	Description	CHK'd	App'd	Title
B	01/07/11	MJG	Positions revised following site meeting	MJG	AKG	Exploratory Hole Location Plan for the Proposed Outline Ground Investigation on the Innovia Site Bridgwater
C	14/07/11	MJG	Positions along W boundary moved 10m from Network Rail Land	MJG	AKG	
D	15/07/11	MJG	SHE Box added	MJG	AKG	

Drawn	MJG
Checked	MJG
Approved	AKG
Scale at A1	1:1000
Drawing Number	274077/NOR/304
Rev	Status
B	PRE



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1958

