

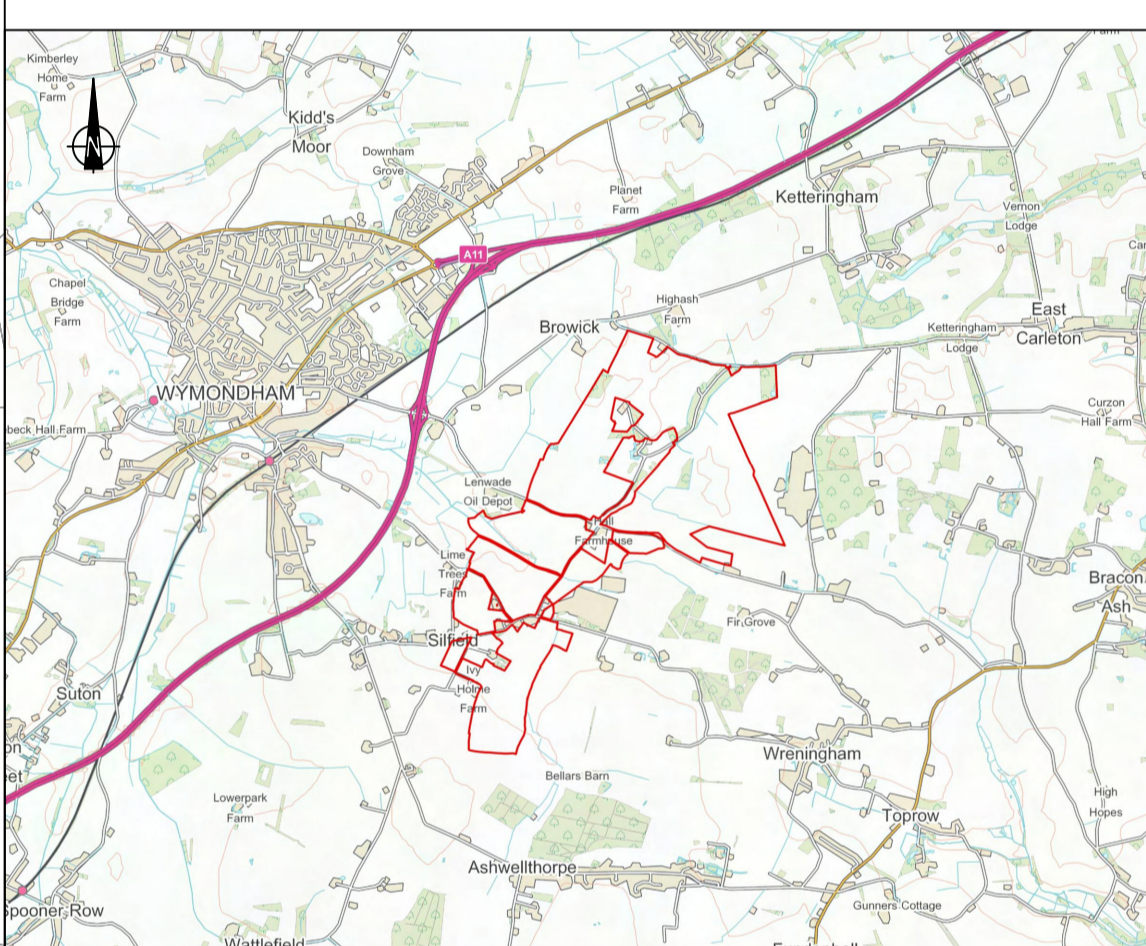
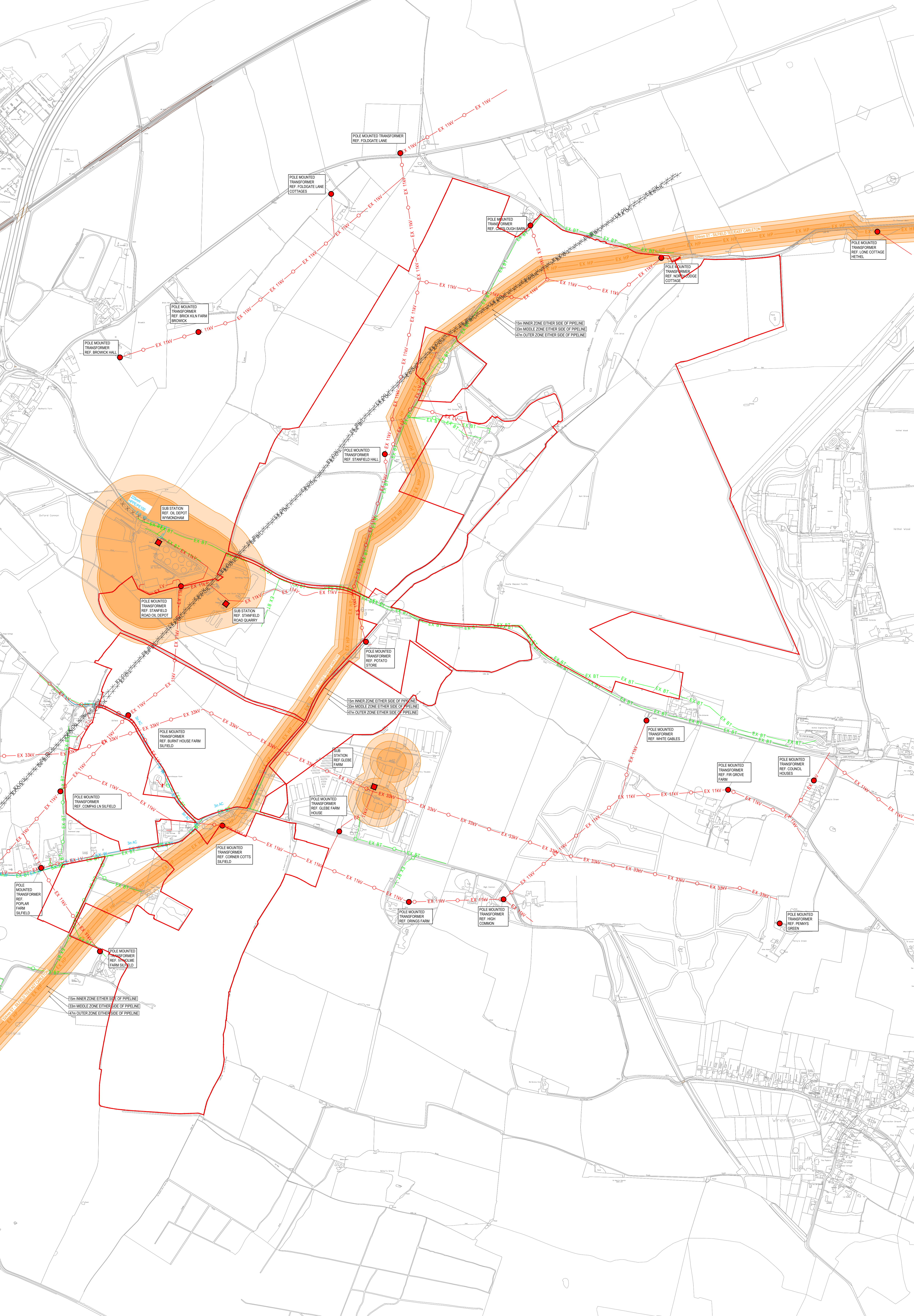


CDM REGULATIONS 2015 DESIGNERS NOTES ON SIGNIFICANT RESIDUAL RISKS

CADENT 324mm STEEL HIGH PRESSURE GAS MAIN LOCATED WITHIN PROPOSED SITE BOUNDARY. HSE CLASSIFIED THIS HP GAS MAIN AS HIGH RISK GAS ASSET. HSE CONSULTATION ZONES ARE APPLIED TO THIS GAS MAIN AND WILL RESTRICT DENSITY AND TYPE OF DEVELOPMENT ALLOWED WITHIN THIS ZONE. (AWAITING HSE CONSULTATION ZONES DISTANCE INFORMATION).

- DIO CONFIRMED PRESENCE OF 2no ABANDONED OIL PIPES WITHIN SITE BOUNDARY. AWAITING CONFIRMATION OF PIPE SIZES.
- OVERHEAD HIGH VOLTAGE ELECTRICITY LINES ARE PRESENT WITHIN PROPOSED SITE BOUNDARY.
- ASBESTOS CONCRETE MATERIAL IS PRESENT IN WATER MAIN ASSETS LOCATED WITHIN PROPOSED SITE BOUNDARY.
- ALL PRIVATE NETWORKS ARE NOT SHOWN ON THIS DRAWING. IT IS RECOMMENDED TO INITIATE A PAS128 UTILITY SURVEY PRIOR ANY PLANNING AND GROUND WORKS.

THESE NOTES RELATE SOLELY TO INFORMATION SHOWN ON THIS DRAWING. ONLY SIGNIFICANT RISKS WHICH ARE CONSIDERED TO BE UNUSUAL, OR UNLIKELY TO BE OBVIOUS TO A CONTRACTOR OR OTHER DESIGNERS WILL BE HIGHLIGHTED. THIS LIST IS NOT EXHAUSTIVE THE INFORMATION MAY BE SUBJECT TO REVISION AS THE DESIGN DEVELOPS. IF IN ANY DOUBT CONTACT THE DESIGNER



**KEY PLAN**

**NOTES**

- ABANDONED SERVICES MAY NOT BE SHOWN ON THIS PLAN.
  - TRUE POSITION OF THE SERVICES MAY BE DIFFERENT TO THAT SHOWN ON THIS PLAN, WHICH IS INTENDED FOR GENERAL GUIDANCE ONLY. NO GUARANTEE CAN BE GIVEN TO ITS ACCURACY AND IT SHOULD NOT BE RELIED UPON WHEN EXCAVATING IN THE VICINITY.
  - THESE SERVICES MAY NOT RUN IN A STRAIGHT LINE EITHER HORIZONTALLY OR VERTICALLY BECAUSE OF GROUND CONDITIONS, OBSTACLES AND OTHER REASONS.
  - BURIED SERVICES MAY EXIST AT VARIOUS DEPTHS AS GROUND LEVEL MAY HAVE BEEN ALTERED SINCE THE UTILITY APPARATUS WAS LAID.
  - UTILITY COMPANIES ASSET RECORDS (ASSETS, LOCATION AND DETAILS) ARE VALID FOR UP TO 3 MONTHS. IF WORKS DO NOT COMMENCE WITHIN THIS TIME PERIOD, ASSET RECORDS WILL NEED TO BE REFRESHED BEFORE ANY WORK COMMENCES ON OR NEAR SITE.
  - APPROXIMATE CONSULTATION ZONES FOR OIL TANKS AND DEPOTS WAS TAKEN FROM INFORMATION PROVIDED BY HSES AND USE PLANNING. NO CONSTANT HSE CONSULTATION ZONES WAS PROVIDED FOR OIL DEPOT AND TANKS AS ZONES HAVE IRREGULAR SHAPES AND VARIATIVE CONSULTATION ZONE EXTENTS.
- BEFORE EXCAVATING OR GROUND WORKS**
- ANY SITE INVESTIGATION OR GROUND PENETRATING ACTIVITY SHALL COMPLY WITH THE REQUIREMENTS OF HSE GUIDANCE DOCUMENT HSG47 'AVOIDING DANGER FROM UNDERGROUND SERVICES'
  - ALL UNDERGROUND SERVICES i.e. CABLES, PIPES, DUCTS SHOULD BE LOCATED USING THE FOLLOWING TECHNIQUES:
    - REFERENCE TO DETAILED LARGER SCALE DRAWINGS AND CABLE ROUTE PROFILES. THESE WILL NEED TO BE REQUESTED FROM THE SERVICE PROVIDER AND REFERRED TO DURING THE DESIGN STAGE AND MADE AVAILABLE ON SITE TO SITE OPERATIVES PRIOR TO THE COMMENCEMENT OF ANY GROUNDWORKS.
    - SUITABLE INSTRUMENTS i.e. GROUND PENETRATING RADAR, CABLE LOCATING DEVICES WILL NEED TO BE USED TO DETERMINE THE LOCATION AND PRESENCE OF UNDERGROUND SERVICES/OBSTACLES BEFORE EXCAVATION WORKS PROCEED.
    - SAFE DIGGING TECHNIQUES (HAND EXCAVATION) AS DETAILED IN HSG47 WILL BE NECESSARY TO DETERMINE THE EXACT POSITION OF BURIED SERVICES AND OBSTRUCTIONS BEFORE WORK CAN PROCEED.
    - ALL APPARATUS FOUND SHOULD BE CROSS REFERENCED WITH THE DETAILED RECORD PLANS. ANY ABNORMALITIES SHOULD BE REPORTED TO THE PROJECT MANAGER.
  - INFORMATION CONCERNING THE POSITION OF EXISTING UTILITY INFRASTRUCTURE HAS BEEN EXTRACTED FROM RECORD MAPPING OBTAINED FROM THE FOLLOWING STATUTORY UNDERTAKERS:

STATUTORY UNDERTAKER	MAPPING RECEIVED
UKPN	15/05/2019
CADENT	16/05/2019
OPENREACH	15/05/2019
ANGLIAN WATER	15/05/2019
DEFENCE INFRASTRUCTURE ORGANISATION (DIO)	20/05/2019

**KEY**

EX LV	ELECTRICITY LV CABLE
EX 11kV	ELECTRICITY 11kV OVERHEAD LINE
EX 11kV	ELECTRICITY 11kV CABLE
EX 33kV	ELECTRICITY 33kV OVERHEAD LINE
EX 33kV	ELECTRICITY 33kV CABLE
EX STATION	ELECTRICITY SUBSTATION
EX TRANSFORMER	ELECTRICITY POLE MOUNTED TRANSFORMER
EX HP	LOCAL HIGH PRESSURE GAS MAIN
EX HP	HSE CONSULTATION ZONE INNER ZONE
EX HP	HSE CONSULTATION ZONE MIDDLE ZONE
EX HP	HSE CONSULTATION ZONE OUTER ZONE
EX OPENREACH	OPENREACH CABLE
EX OPENREACH	OPENREACH OVERHEAD LINE
EX WATER	POTABLE WATER MAIN
EX OIL	DIO OIL PIPELINE
EX ABANDONED	ABANDONED UTILITY
EX SITE	PROPOSED SITE BOUNDARY

Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.

UTILITIES NOTE: The position of any existing public or private sewers, utility services, utility apparatus, plant or apparatus shown on this drawing is believed to be correct, but no warranty is made as to its accuracy or completeness. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

**Drawing Issue Status**

**FOR INFORMATION**

**STANFIELD GARDEN VILLAGE UTILITIES CONSTRAINTS PLAN**

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