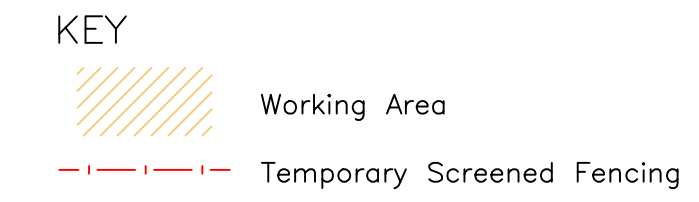


PLAN ON PHASE 2 WORKS
Scale 1:200

| SERVICE / SERVICE PROVIDER | |
|--|--|
| GAS National Grid (Gas) | ---(G)---(G)--- |
| POTABLE WATER Anglian Water Services Ltd. Anglian Water Services Ltd. Decommissioned | ---(W)---(W)---(W)--- ---(W)---(W)---(W)--- |
| SURFACE WATER SEWERS Anglian Water Services Ltd | ---(SW)---(SW)--- |
| FOUL SEWERS Anglian Water Services Ltd | ---(FW)---(FW)--- |
| ELECTRICITY UK Power Networks Overhead High Voltage Overhead Low Voltage Underground High Voltage Underground Low Voltage | ---(OH/HV)---(OH/HV)--- ---(OH/LV)---(OH/LV)--- ---(UG/HV)---(UG/HV)--- ---(UG/LV)---(UG/LV)--- |
| TELECOMMUNICATIONS BT Openreach Overhead Telecom Underground Telecom Fibre Optic Cable | ---(T OH)---(T OH)--- ---(T UC)---(T UC)--- ---(FIB OP)---(FIB OP)--- ---(CTV)---(CTV)--- |
| TELECOMMUNICATIONS Virgin Media Underground Telecom Fibre Optic Cable Cable TV | ---(T UC)---(T UC)--- ---(FIB OP)---(FIB OP)--- ---(CTV)---(CTV)--- |
| TELECOMMUNICATIONS Cable & Wireless Underground Telecom Fibre Optic Cable | ---(T UC)---(T UC)--- ---(FIB OP)---(FIB OP)--- |
| STREET LIGHTING (Temporarily abandoned) | ---(L)---(L)---(L)--- |

- NOTES**
- Do not scale this drawing; it is intended as a guide only.
 - All existing utilities plant information shown on this drawing has been taken in good faith from information supplied by the utility companies and therefore no responsibility can be taken for its accuracy.
 - Unless indicated otherwise, the location of abandoned plant is unknown.
 - Where existing lighting columns and illuminated road signs have been shown on this survey, the routes of electrical supply cables are not known.
 - The exact location of all existing utilities plant shall be determined by the Contractor on site, prior to the commencement of the works.

- NOTES**
- All dimensions are in millimetres unless noted otherwise.
 - All levels are in metres above Ordnance Datum unless noted otherwise.
 - This drawing is to be read in conjunction with all other drawings and the specification.
 - All temporary utility diversions to be undertaken over the Network Rail bridge. No excavation is allowed over the main bridge structure.
 - Excavation, ducting and reinstatement works for utilities is to be undertaken by the contractor.
 - 2No. excavations 2m long x 1m wide for Anglian Water at capping locations.



Phase Description

Phase 1

- Identify location of existing services by undertaking trial holes as per drawing No. BR1265-00-0103.
- Upgrade UKPN LV and HV cables and provide steel sleeve for full length of excavation for the foundation.
- Relocate the electricity pole stabilizing cable at north east side.
- Construct east side of foundations for new VRS.

Phase 2

- Existing BT joint box within the vicinity of south foundation to be decommissioned.
- Existing BT pole connecting to the overhead to be removed and relocated to the east side of the carriageway.
- 2No. BT cables at south end to be relocated to carriageway to connect to existing joint box. From the existing joint box, 1No. new BT cable to be connected to new joint box south-east of the bridge. A temporary duct will be run from the new joint box south of the bridge, along the east side of bridge to connect into new joint box north-east of the bridge and then connected via a new duct to the existing north-west joint box. Existing BT cable over the bridge to be retained for re-use. 1No. BT cable to connect to relocated BT pole.
- A further 2No. BT cables to be connected to an additional new BT joint box north-west of the bridge.
- Temporary decommissioning of water main via capping at both sides of the VRS foundations. Existing water main over the bridge to be retained for re-use.
- Construction of west side foundations for new VRS.

Permanent Utility Services

- Permanent diversion of BT cable back to the west side of the bridge.
- Re-commissioning of water main at both ends of bridge over new VRS foundations and existing valve chambers to be re-constructed.
- Installation of non-connecting transition and safety barriers.

| Rev. | Date | Description of revision | Drawn | Checked | Reviewed | Approved |
|------|-------|---------------------------|-------|---------|----------|----------|
| E | 11/19 | Phasing and notes updated | RS | KT | NP | GP |
| D | 10/19 | Phasing and notes updated | KT | NP | KT | NP |
| C | 08/19 | Control box updated | RS | KT | NP | GP |

DRAWING STATUS
FOR CONSTRUCTION



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Chelmsford, CM1 1QH - Tel: 0345 6037631 © Essex County Council

**ROAD/RAIL INCURSION
PREVENTION WORKS
MARKS TEY STATION BRIDGE
ECC BRIDGE NO. 1265**

**TEMPORARY UTILITY SERVICES
PHASE 2**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|-------|---------|----------|----------|
| NP | RS | KT | NP | GP |

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A1 (841x594mm)
As Shown

DRAWING No. **BR1265-01-1303** REV. **E**

