

**Project:** Beaulieu

**Value:** £70,200

**Duration:** 1 Week

**Start Date:** 23rd March 2020.

**Client:** Northumbrian Water

**Role:** Sub- Contractor

**Completed:** 27th March 2020

**Project Description:**

The client was carrying out A 560mm PE pipe trunk main route diversion to enable future development of an existing site.

The route diversion was required to be installed underneath a main road, adjacent to bridge structure and railway line. The pipe was installed to a depth of 4m below the lowest surface level to a flat line gradient.

CMS excavated launch and reception pits located either side of the carriageway and executed the HDD operations without incident.

**Challenges:**

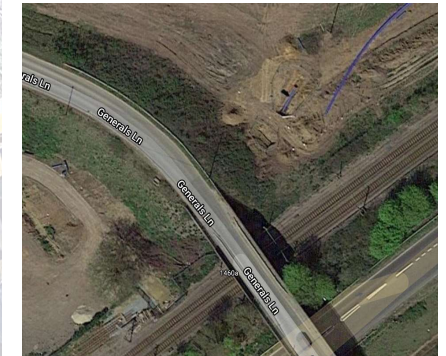
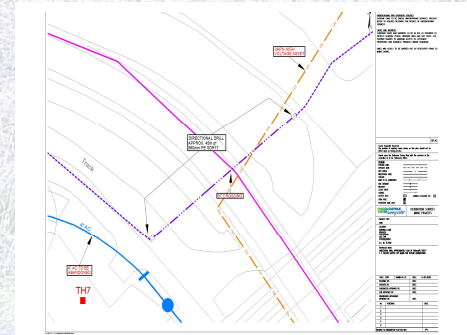
The launch area was difficult to access and had a bank of HV cables impacting the ideal launch location.

CMS produced methodology to safely site the Horizontal Drilling Rig in position to allow for sufficient water pipe connection in shored excavation beyond the bank of HV cables and allowing for full visibility of HV cables and drilling rod location whilst carrying out drilling activities.

**Outcome:**

CMS excavated launch and reception pits located either side of the carriageway and executed the HDD operations without incident.

Project completed ahead of time with no incidents, without defect and to budget.



*Client Site Manager "Straightforward, Efficient, easy to work with. The works were mobilised, completed, and demobilised as planned".*