M245 TENFOOT HOUSE DRAINAGE REPAIRS, GLOSSOP

Client:
Pearson Properties

Summary:
Drainage repairs and improvements

Programme:
December 2017

PROJECT DETAILS

Pearson Properties own a yard in Glossop below which runs a surface water culvert. The culvert had collapsed in the past and had been partially repaired. The remaining section that hadn’t been repaired had become blocked and resulted in the yard flooding during heavy rainfall.

Pearson Properties approached us to complete the repairs and produce a structurally sound culvert that would pass forward all the flows without surcharging.

Our works comprise: Install 1No 750mm high PCC ring onto existing manhole and replace cover slab. Install ~12m DN450 twin wall pipe from existing manhole and connect to existing DN450 twin wall high level overflow pipe, cast min 150mm thick concrete haunch over new DN450 twin wall pipe. Clear vegetation from existing excavation and dispose off site. Backfill existing excavation with material stored on site. Construct a trench to expose end of existing DN900 plastic pipe and existing culvert. Clear debris from existing culvert from its exposed end in trench up to boundary of yard (stone wall). Use client supplied DN900 plastic pipe to connect existing DN900 plastic pipe to existing culvert. Seal end of culvert around DN900 plastic pipe.

Ground conditions are wet running sand.