



Plenitus

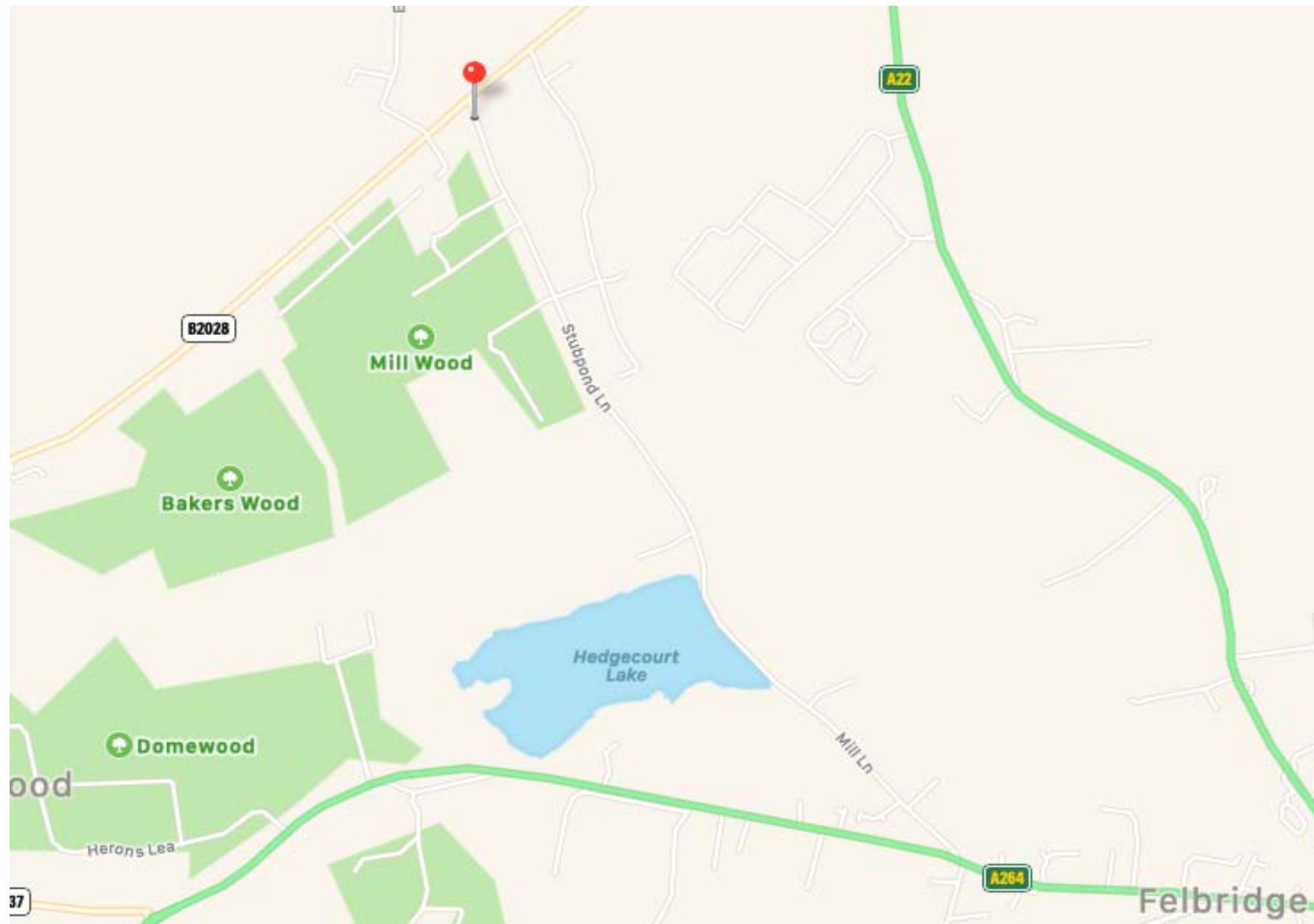
CASE STUDY



STUBPOND LANE, SURREY

A Case Study by Plenitus Construction Services

PROJECT OVERVIEW



Project Details

Client: CTAS

Site: Stubpond Lane, Newchapel, Lingfield, RH7 6HU

Date Completed: Oct 2015

Overview

Stubpond Lane in Newchapel, is in the South East region of England. The postcode is within the Felbridge ward/electoral division, which is in the constituency of East Surrey, see map left.

Stubpond Lane runs north to south, parallel with the A22 between the A264, via Mill Lane to the south, and the B2028 to the north.

Plenitus Construction Services Limited (PCSL) were engaged by CTAS to undertake a topographical and level survey of Stubpond Lane to gain a more detailed understanding of condition of the carriageway, current levels and width, including drainage ditches to the sides.

This survey was commissioned by CTAS to enable them to put forward a detailed design proposal for the improvement of the carriageway, including the junction with the B2028, to meet the demands of the type and volume of traffic using this route for access to commercial facilities located on Stubpond Lane.

PROJECT BRIEF

SCOPE

- To undertake and provide a dimensionally accurate 3D topographical and level survey, with the results recorded to OSGB36 datum.
- The survey will record all features (trees, covers, fence, gates, hedges, signs, lamp columns, gullies, change of surface, embankments).
- The survey boundary is as identified below:

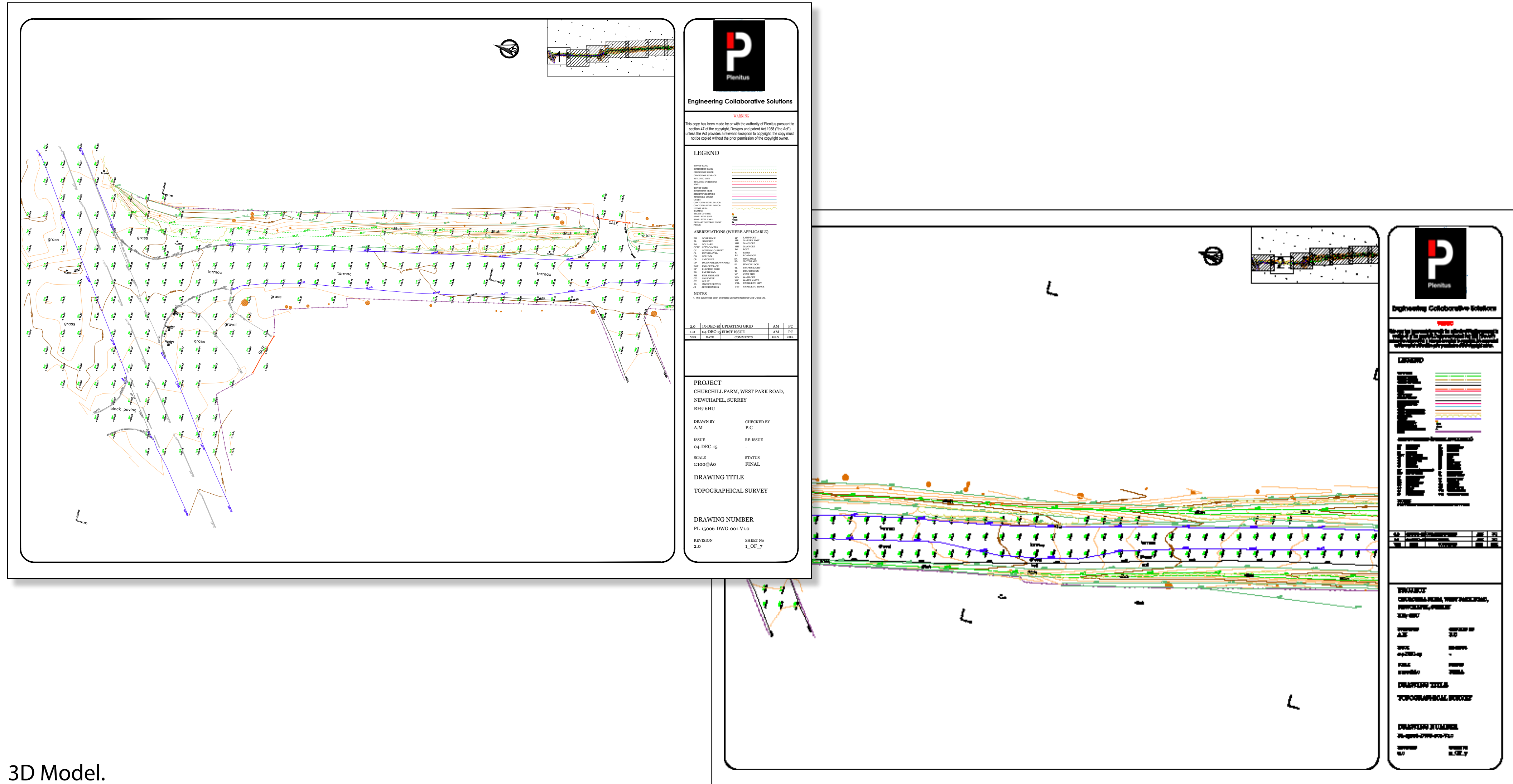


METHODOLOGY

- Site Survey - Undertake a topographical and level survey (green areas levels taken every 5 m and blue areas every 20 m) using a GPS and Leica C10 Scanner.
- Production of AutoCAD Model - From the resulting survey data captured, produce a 3D AutoCAD Model

PROJECT BRIEF

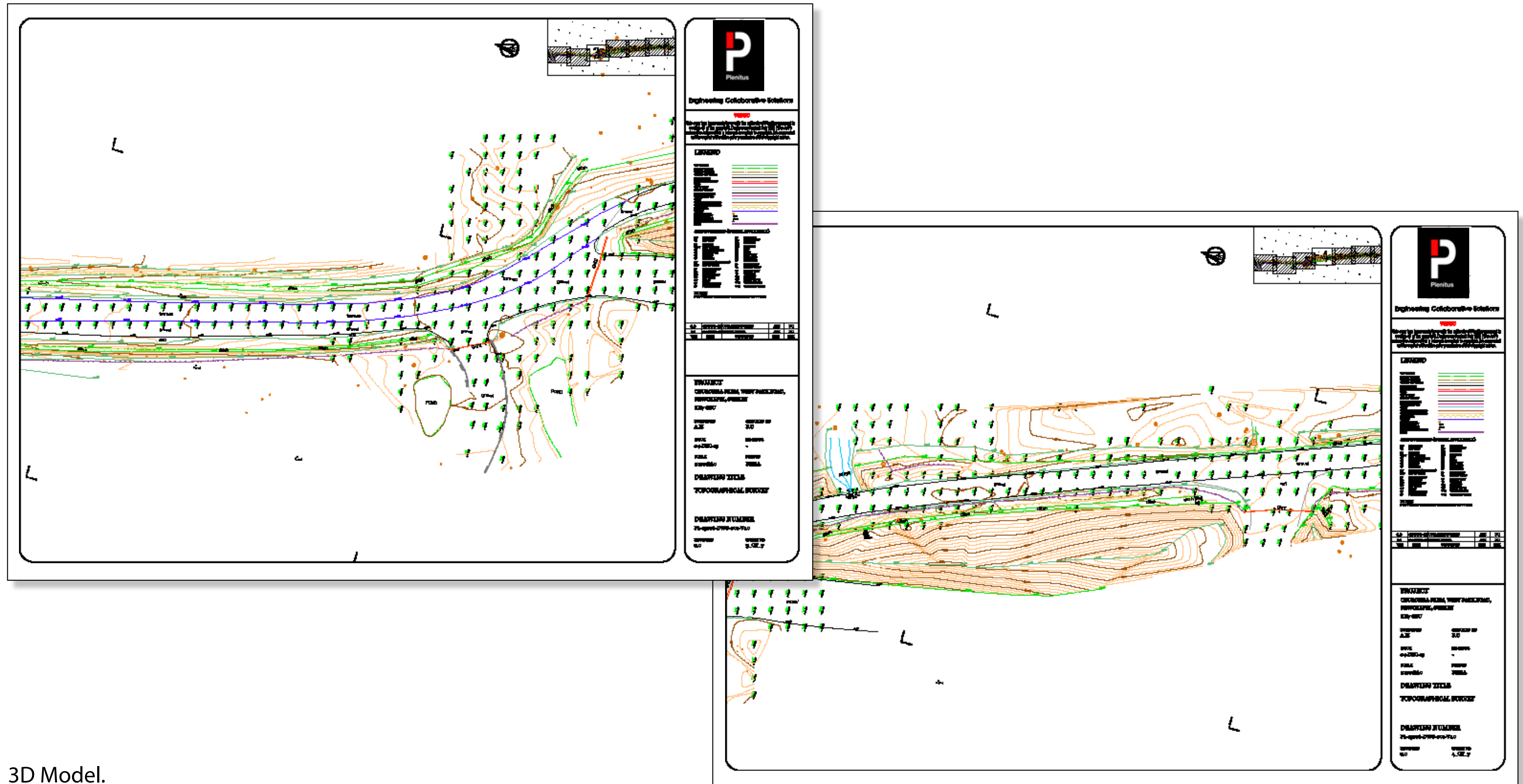
3D Topographical & Level Survey



3D Model.
Existing Environment

PROJECT BRIEF

3D Topographical & Level Survey



3D Model.
Existing Environment



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