

FJD CONSULTING GEOTECHNICAL ENGINEERING



Founded in
2012

LOCATION

Birmingham
& Bristol



DESIGN & CONSULTANCY EXPERTISE

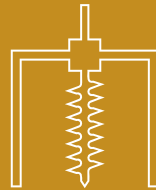
rooted in the
UK Heavy Rail
sector



FJD Consulting delivers comprehensive geotechnical design services for permanent and temporary works within railway industry schemes. Drawing on the teams technical expertise, flexibility and client focus, FJD developed automated processes to deliver designs that minimise costs and reduce design delivery times. The team excels at making use of innovative products and processes (RapidRoot foundations, finite element analysis and in-house specialist software capabilities) to seamlessly deliver a wide range of applications (retaining walls, trackbeds, foundations, UTX, etc).

GEOTECHNICAL DESIGN SERVICES

- 1.Foundation Design - including pile design or shallow foundations
- 2.Slope Stability Design
- 3.Retaining Structures Design
- 4.Earthworks Design
- 5.Trackbed Design
- 6.UTX Design
- 7.Geotechnical Design and Ground Investigation Reports (includes ground specification and can include GI supervision)



8. Temporary Works Design
 - Granular working platforms
 - Crane pads
 - Piling platforms
 - Tower crane foundations
 - Cofferdams
9. Infilling of Redundant Structures Design
10. Scaffolding foundations



PROJECT HIGHLIGHTS

- 1.Cheddington Embankment
 - Retaining wall design
- 2.Harrowden & Wellingborough and Shrewsbury & Gobowen projects
 - Developed innovative concrete-free foundation designs using the RapidRoot piles for Ancillary Civils assets, minimising costs, time and disruption on the network by using a light plant.

The Geotechnical team has a wealth of experience delivering comprehensive design packages working alongside our Civil, Structural and MET Engineering teams. Examples include:

1. Leading all the works for the foundation, retaining walls, temporary works designs for most Story Contracting Framework Schemes (Earlswood, Severn Valley, Whitacre footbridge renewals projects)
2. Supporting the Structures and Civils teams with effective design delivery for all the foundations required for the Quakers Yard station redevelopment.

GET IN TOUCH

For geotechnical design service inquiries please contact:

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