

North London Line Railway



Project Summary

NAME: North London Line Railway Infrastructure Project

DATE: August 2009 to 2011

CLIENT: Network Rail (Old Board Street/Chalk Farm)

CONTRACTOR: Carillion Civil Engineering/(Burdens)

CONSULTANT: Hyder Consulting (Warrington office)



Overview

Network Rail identified the need for a major upgrade of the railway to support goods' movement from the docks through North London out to the regions.

It covered three miles of track enhancement through the east & west catchment areas of the London Overground Railway Network between South Acton to Barking.

As part of this upgrade 3066m of track drainage very shallow installations in the 6ft, 10ft & cess & Thames sewer works were required through this challenging area. All to be installed within the 18 month blockade.

Work Summary

Carillion installed 800m of cess collector drain, 1350m of 6ft & 10ft collector drainage and 50m of UTX carrier drains.

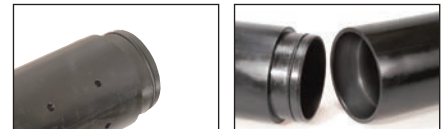
The 6ft drain had to be installed in a very confined space - 100mm below the invert was the crown of the 630mm Thames sewer and 375mm from the crown to the underside of sleeper. Extremely high loads throughout the Caledonian Road area were applied to our pipe.

The out falls in this area all terminated into a sewer chamber which required special back drop fabrication to improve the follow. A 1200 x 2000 x 1200mm GRP chamber was manufactured for the termination of three drainage runs including the out-fall.

From receipt of order to completion of deliveries for all required TerraLine & TerraDrain pipes was five weeks.

Products used

- ~ **TerraDrain 11 & 17**
280mm x 6m FPO HP PAT D
250mm x 6m FPO HP PAT D
- ~ **TerraLine 11**
280mm x 6m FPO
- ~ **Coupler**
250mm & 280mm PE
- ~ **Flexi adaptor couplers**
335 to 360mm – 265 to 290mm
- ~ **Plastic fabrication**
280mm HP PAT D PL 45° odd legs
400mm back drop
500mm back drop
- ~ **GRP catchpits**
TerraPit 1200 x 600 x 1200mm (2 inlets)
TerraPit 1200 x 2000 x 1200mm (4 inlets)



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