

Shepherd's Bush Central Line Station Upgrade London Underground Ltd.

Location: London, United Kingdom

Date: 2004 – 2006

Structure: Multiple Pedestrian Tunnels and Shafts

Length: 820 feet (250 meters)

Cross-Section: Varies

Geology: London Clay, Which is Covered by
20 – 23 feet (6 – 7 meters) of
Gravel and Fill

Cost: Approximately US \$52 Million

Client: Tony Meadows Assoc., Ltd. /
Morgan Est.

Owner: Metronet BCV/London Underground
Limited

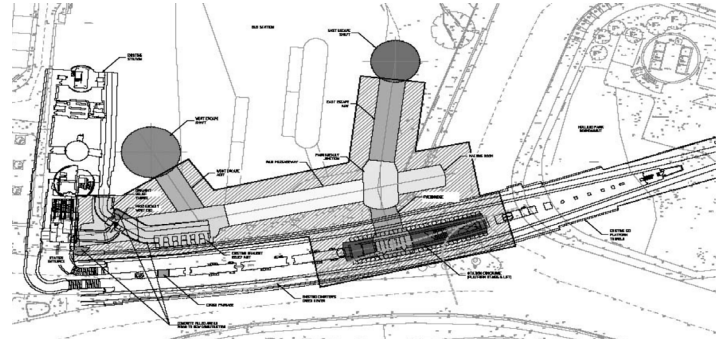


Figure 1. Existing Underground Station and preliminary layout of new tunnels and shafts for London Underground's MIP. (Courtesy of Morgan Est.)

Consulting on construction methods, Independent Design Check, and Structural Analyses:

The existing Underground Station required upgrading, including an improvement of passenger access to the platforms, provision of Shepherd's Bush Central Line (MIP) access to the platforms, additional escape routes, and relocation of selected cables and system components.

Gall Zeidler Consultants (GZ) provided consulting services on construction methods including Sprayed Concrete Lining / New Austrian Tunnelling Methods (CSL/NATM), hand mining and timber headings. GZ carried out an Independent Design Check (Category 3 Check).