

# JUBILEE LINE EXTENSION Canary Wharf plan back on the rails

As digging begins in a ground-breaking ceremony at Canary Wharf, the Jubilee Line extension brings a much-needed boost to the construction and supply industries. The four year project will create over 22,000 jobs nationwide and help stimulate recovery in Docklands and east London

**Green Park**  
Extension will connect to two existing tunnels

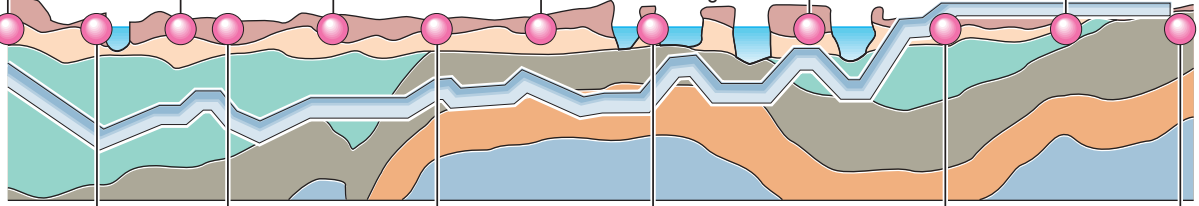
**Waterloo**  
Tunnel to be built under existing lines

**London Bridge**  
New ticket hall under BR concourse. Escalator link to Northern Line

**Canada Water**  
New station will interchange with East London line. Line passes under river to Isle of Dogs

**North Greenwich**  
New station. Extension turns north under river, surfacing south of Canning Town

**West Ham**  
Interchange with District Line, Hammersmith and City Line and BR



**Westminster**  
New platforms to link with existing station. Tunnel passes under river to Waterloo

**Southwark**  
Interchange link to elevated BR platforms at Waterloo East

**Bermondsey**  
New station to be built in Jamaica Road. Tunnel will pass under East London line to Canada Water

**Canary Wharf**  
Station to be built in newly created park. Expected to be busiest on line. Links to Docklands Light Railway

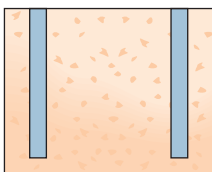
**Canning Town**  
New station connects three separate services, including DLR

**Stratford**  
Jubilee Line terminus links with BR, Central Line and DLR

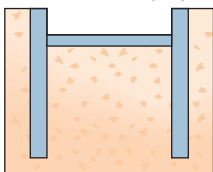
<b>Made Ground / fill</b> Sand, clay, gravel and debris	<b>Thames Gravel</b> Irregular shaped sandy gravel, flints	<b>London Clay</b> Stiff fissured silty clay, claystone bands	<b>Woolwich and Reading beds</b> Sandy clay, dense sand, gravel and limestone	<b>Thanet Beds</b> Dense, fine silty sand	<b>Upper Chalk</b> Chalk strata – no digging planned
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## 'Cut and cover' – the new stations at Canada Water, Canary Wharf and North Greenwich

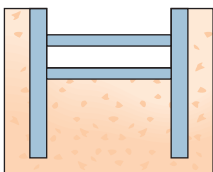
**Stage 1:** Walls sunk to create cofferdam



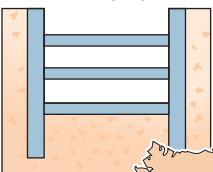
**Stage 2:** Excavate to depth of roof. Cast roof slab, install props



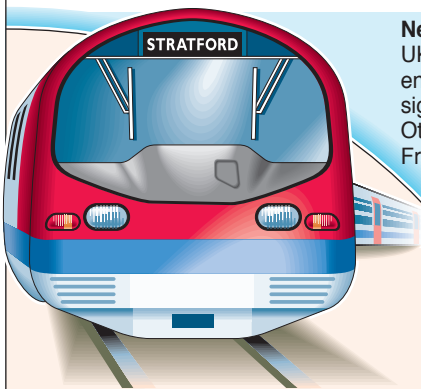
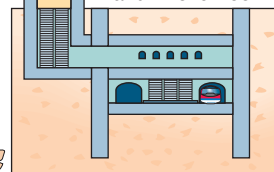
**Stage 3:** Excavate to depth of ticket hall and concourse, cast slab



**Stage 4:** Excavate to depth of track, cast slab and remove props

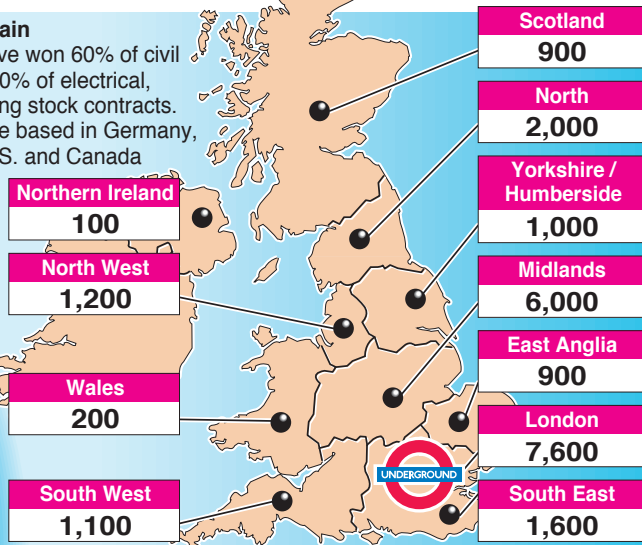


**Stage 5:** Complete internal structures. Replace land fill over roof



## New jobs for Britain

UK companies have won 60% of civil engineering and 80% of electrical, signalling and rolling stock contracts. Other suppliers are based in Germany, France, Japan, U.S. and Canada



**Rolling stock** – 59 new trains will service the Jubilee Line extension. Each will seat 250 with a standing capacity of 1,115. Safety features include crash resistant monocoque aluminium body shells. Automatically controlled AC motors will power each train