

Gore Rd Sanitary Sewer

BRAMPTON, ONTARIO

Microtunnel



START DATE:

March 2011

COMPLETION DATE:

July 2011

VALUE OF CONTRACT:

\$2,000,000

OWNER

Region of Peel

William Lising

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CONSULTANT

IBI Group

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Project Description

Consisted of two 1200mm ID microtunnel drives and two soldier pile and lagging shafts. The first drive (North Drive) was 170m long and involved tunnelling beneath a creek with 3m of cover. The second drive (South Drive) was 153m and involved tunnelling underneath a 1800mmØ High Pressure Feedermain with only 1.500m of clearance.

TUNNEL MINING DIMENSIONS

1.2m ID Reinforced Jacking Pipe

EXCAVATION METHOD

Herrenknecht AVN1200TC, MTBM, Slurry Separation plant and Sharples Centrifuge

GEOLOGY

Dense glacial tills with seams of wet silt and sand

ROLE

Subcontractor to Aecon Construction and Materials Ltd.

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