

C-373

16th Avenue Phase II Trunk Sewer

MARKHAM, ONTARIO

Design Build Trunk Sanitary Sewer



COMPLETION DATE

2007

VALUE OF CONTRACT

\$69,300,000.00

OWNER

Regional Municipality of York
Contact: Mr. Nitty Subramaniam
905-895-1200

CONSULTANT

MacViro Consultants Limited
Contact: Mr. Stan Holden
905-475-7270



Project Description

TUNNEL MINING DIMENSIONS

3200m of 3.5m Ø &
3900m of 2.85m Ø Tunnel

EXCAVATION METHOD

Lovat Tunnel Boring Machine-
3.50mØ
Lovat Tunnel Boring Machine-
2.85mØ

GEOLOGY

Silty Clay/ Silty Sand/ High Water
Table/ Extensive Dewatering

TUNNEL INITIAL SUPPORT

4 @ 13 Steel Ribs and 3" Hardwood
Lagging

TUNNEL FINAL LINING

3900m of 1.65m Ø Cast-in Place
Concrete Lining
3200m of 2.65m Ø Cast-in Place
Concrete Lining

