



Legend

- ✕ 690554 WATER SUPPLY WELL AND DESIGNATION
- SURFACE WATER COURSE
- ➡ PROBABLE DIRECTION OF SHALLOW GROUNDWATER MOVEMENT (Interpreted)
- STUDY AREA BOUNDARY
- BOUNDARY BETWEEN SURFICIAL GEOLOGICAL UNITS
- +10+500 STATION MARKER (distance as kilometres + metres)
- PROPOSED TRANSIT WAY

Surficial Geological Units

RELATIVELY PERMEABLE UNITS

- 3f** NEWMARKET (GLACIAL) TILL: SANDY SILT TO SAND
- 5a** MORaine DEPOSITS: FINE SAND, SOME GRAVEL, MINOR SILT, CLAY
- 8a** GLACIAL LAKE DEPOSITS: SAND AND SILTY SAND
- 10** RIVER DEPOSITS: SAND, GRAVEL, SILT, CLAY

LESSER PERMEABLE UNITS

- 4a** WILDFIELD (GLACIAL) TILL: CLAYEY SILT TO SILT
- 4b** HALTON (GLACIAL) TILL: CLAYEY SILT TO SILT
- 7** GLACIAL LAKE DEPOSITS: SILT AND CLAY
- 9** ORGANIC DEPOSITS: PEAT, MUCK, MARL

NOTES:

1. SURFICIAL GEOLOGY FROM GEOLOGICAL SURVEY OF CANADA MAPS: a) RUSSEL, H.A.J. AND WHITE, O.L., 1997, SURFICIAL GEOLOGY OF THE BOLTON AREA, OPEN FILE 3299 AND b) SHARPE, D.R. AND BARNETT, P.J., 1997, SURFICIAL GEOLOGY OF THE MARKHAM AREA, OPEN FILE 3300.
2. NOT ALL GEOLOGICAL UNITS DESCRIBED WILL OCCUR ON EACH SHEET.
3. WATER SUPPLY WELL SOURCE: MOE WATER WELL DATABASE.
4. SOME WELLS SHOWN ARE PROBABLY DEMOLISHED/DECOMMISSIONED.

**HYDROGEOLOGIC PLAN:
SPAN 42+400 TO 46+400**

HIGHWAY 7 AND VAUGHAN CONNECTOR
HYDROGEOLOGIC ASSESSMENT
YORK RAPID TRANSIT PLAN
For LGL Limited and York Consortium 2002

DATE: AUGUST 2003	SCALE: 1:10000
PROJECT NO.: 021516.02	FILE NO.: 02151602FIGS

**JAGGER HIMS
LIMITED**
Environmental Consulting Engineers

Figure **9**