



## TOWER ROAD DAM AND RESERVOIR

**LOCATION:** RIVERVIEW, NB

**CONSTRUCTION:** AUS WAS CONTRACTED TO INSTALL ROCK ANCHORS AND PRESSURE GROUT A CURTAIN WALL ACROSS THE TOE OF THE NEW TOWER ROAD DAM. THE PRESSURE GROUTING OF 610 PRIMARY HOLES AND THE RESULTING ADDITIONAL 350 SECONDARY HOLES TOOK OVER 6 MONTHS.

**OWNER:** CITY OF MONCTON

**CLIENT:** GULF OPERATORS

**JOB REFERENCE:** CITY CONTRACT NO. W11B 02EK

**DATE:** SEPTEMBER 2011 – JUNE 2012



**UNIQUENESS:** IN ORDER TO ALLEVIATE THE THREAT OF MIGRATING WATER BENEATH THE EARTHEN DAM AND CONTROL STRUCTURE, A GROUT CURTAIN WALL WAS INSTALLED TO SEAL VOIDS IN BEDROCK. GROUT WAS PUMPED INTO HOLES DRILLED IN BEDROCK AT PRESSURES CALCULATED TO OVERCOME THE NATURAL HYDROSTATIC PRESSURES FOUND BENEATH THE EXISTING GRADE.



AUS ALSO INSTALLED 1-3/8" GALVANIZED ROCK ANCHORS TO SECURE THE SPILLWAY TO THE NATURAL BEDROCK.

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425 PINE GLEN RD • RIVERVIEW, N.B. • E1B 4J8 • (506)387-8160

INFO@AUSLTD.COM