

AWARD OF
EXCELLENCE

ENVIRONMENTAL



Gregoire East Sanitary Sewer Outfall

FIRM: Associated Engineering Alberta Ltd.

CLIENT/OWNER: Regional Municipality of Wood Buffalo

LOCATION: City of Fort McMurray, Alberta

SUB-CONSULTANTS: Thurber Engineering Ltd.; CCI Inc.

CONTRACTOR: DIRECT Horizontal Drilling



The Gregoire East Sanitary Sewer Outfall Project expands the capacity of the City of Fort McMurray's sanitary sewer system and enables future growth and economic development. The project involved open-cut construction in a busy commercial area and horizontal directional drilling (HDD) for large diameter steel pipelines passing under an actively sliding slope and protected waterway, through a geologic formation consisting of oil sands, and underneath the environmentally sensitive Saline Creek valley. Associated Engineering implemented a project management plan addressing technical and environmental challenges, including a steep terrain, restricted construction space and a multitude of public stakeholders and permit providers.

JUDGES' COMMENTS:

"This project had many obvious challenges that were handled in a very methodical manner to reduce the risk to the public. It created a large benefit to the community."

"A very successful design to use technology that is used in oil pipeline industry for an urban drainage line, very little environment impact."