

GSE - February 21, 2001 Talk

TOPIC: 105 Street Retaining Wall Replacement Project

PRESENTATION BY: W.R. (Bill) Hibbard, M.Eng., P.Eng. – Director, Kenneth J. Galm, P.Eng. – Designer and Resident Engineer, BP-TEC Engineering Group Ltd.

ABSTRACT: A precast concrete plank/bin retaining structure was built in Edmonton in the 1950's on the west side of 105 Street, between 98 Avenue and 99 Avenue. The existing retaining wall was in the process of failing, requiring the wall to be removed. It was replaced with a reinforced concrete cantilever wall, supported on drilled concrete piles.

The talk will describe the condition of the original wall and the design of the replacement wall. It will also describe the details of the construction of the new wall, along with the temporary shoring required. The replacement wall, which is approximately 120m in length and 9m high, is one of the largest retaining walls in Edmonton.

Venue: Royal Glenora Club

Time: 12:00 P.M. Lunch

Date: February 21, 2001

Cost: GSE Members \$ 10; Non Members \$ 12