

Project Specifications

Site Location: Woodstock Plant
Construction period: Nov. 2001 to May 2002
Project Description: Concrete encased duct for primary service conductors
Duct bank length: 450 meters
Total Cable length: 11,500 meters 15 kV Cu
Configuration: 3x3 - 150 power ducts with 1 - 50 communication duct to top of duct 1700.
Average depth: to top of duct 1700.

Project Cost: \$800,000.00



The design required the duct to gently slope down beneath two existing duct banks and facilitate drainage protection, which is shown above. To the right the concrete duct bank is continuing an upward slope and shown at the beginning of a bend to avoid obstructions.

Although MVA Engineering is an electrical firm, left is representative of the magnitude of the civil component of this project.



MVA was presented with a number of physical and environmental obstacles including winter construction and maintaining plant operations. Below the duct bank is threaded through the plant site and to the right the bank is bored and jacked under a railway spur.

