Project:

Materials Recovery Facility
Demolition & Rehabilitation

Client:

The City of Hamilton
Hamilton, Ontario

Description:

The City of Hamilton Materials Recycling Facility (MRF) is located on Burlington Street at the Northeast end of Hamilton. The building was originally constructed by Firestone as a tire manufacturing facility and purchased by the City of Hamilton in the 1990s.

The City decided to convert approximately 270,000 ft^2 into usable space with 112,000 ft^2 of the facility to be used for the recycling operation, 88,000 ft^2 used for storage and future operations and the remaining 70,000 ft^2 to be used for future vehicle maintenance and storage.

Byrne Engineering was awarded the project as the prime consultant responsible for all aspects of the building's configuration and renovation including:

- demolition of 150 ft (83,000ft^2) of the existing building, thus dividing the building into two, separate facilities
- constructing new access routes/ramps through the recycling area to improve site traffic conditions
- renovating and refurbishing the failing building components to current OBC standards
- improving and renovating 5,000 ft^2 of office space

The project was designed and scheduled so that during demolition and reconstruction, all existing operations in the building were to continue with a minimum of disruption.

Byrne provided overall project management as well as structural, mechanical and electrical engineering services. Byrne assembled a team of professional partners to assist with the roofing, landscaping, storm water management, fire protection, LEED certification, geotechnical, soils and acoustical design requirements.

Byrne provided all design documents, permit applications, and prepared contract documents for the building construction. Byrne will also provide tendering assistance, field review of construction and contract administration services during the demolition and construction phase.

The total construction budget for this project was $7.1 Million and was completed in early 2009.

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