



Facility Overview

The Upper River Valley Hospital is a new 70-bed hospital being built in Waterville, New Brunswick for River Valley Health. ADI Group Inc. has been engaged by the Department of Supply and Services to provide project management, construction management and design and build services. As part of River Valley Health's network of health care facilities, the new hospital is scheduled to open in July 2007.

The approximately 190,000 square foot hospital will be situated on a 30-hectare site and provide the following health services:

Primary Services:

Family Medicine, including emergency services, maternity care, care of sick children, care of the elderly and end of life care will be provided. Services will be delivered in both outpatient and inpatient settings. Inpatient primary care services will include admissions for medical care, rehabilitation, maternity care, and mental health conditions.

Ambulatory primary care services will include a variety of educational programs and health services.

In addition to family physicians, the following care providers will contribute to primary care: Nursing, General Laboratory (Clinical Chemistry, Haematology, Serology, Blood Bank, limited Microbiology), General Radiology, Mammography, Respiratory Therapy, Physiotherapy, Occupational Therapy, Electrodiagnostic Services, Pharmacy Services, Clinical Nutrition, Social Work, Speech Language Pathology, and Extra-Mural Program.

Secondary Services:

General Internal Medicine, General Surgery, Ophthalmology, Concentrated Care, Anaesthesia, Chemotherapy, Day Surgery, Ultrasound, CT Scan, MRI (mobile), Audiology, Gastrointestinal Radiology, Bone Densitometry, Echocardiography, Renal Dialysis, Psychology, Pulmonary Function, Pacemaker Clinic, Stress Testing and Holter Monitor services will be provided.

Design Concept

The project team, with extensive stakeholder input, has developed a facility that embraces the site attributes and generates an impressive image of a modern healthcare facility. The design concept focuses on patient care and addresses the relationships, cultural and social needs the spaces are intended to support.

This hospital is designed as a three-level structure that takes maximum advantage of natural site slopes, solar orientation, vehicular and pedestrian traffic flows and prevailing wind conditions with the least amount of disturbance to the natural site. The building will be located at the highest point on the property to provide maximum visual exposure to the surrounding community and highway systems, providing ample opportunity for occupants of the building to experience the surrounding views. The main public entrances are located on the south-facing exposures to create inviting arrival/entry conditions.

The building layout is based on four wings surrounding a two-storey natural sunlit atrium. All public internal spaces are accessed via this atrium. A two-storey glass walled public passageway connects the atrium lobby and the emergency arrival areas. This feature wall provides extensive natural light to internal spaces and provides occupants with a spectacular view of the surrounding site. From the exterior, the reflective glass provides a mirror image of the site and the valley, and of the arrival activities.

To provide maximum window exposure for in-patient rooms, the floor layout is a cross-shaped plan surrounding the atrium. The lower level, which houses physician's offices, extramural and renal dialysis spaces, is independently accessed from the exterior and by an internal connection to the main floor of the atrium. The design configuration is efficient and provides easily identifiable routes to hospital functions.

The exterior treatment includes lightweight metal clad panel systems, a two-storey glass wall at the main entrance level, and brick and other masonry components at entry points and along faces. This exterior treatment provides flexibility and visual variety. The use of earth tone colours creates a dynamic modern image reflecting the agricultural nature of the rural environment.

