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Halifax Regional Council
May 30, 2006

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:

Dan English, Chief Administrative Officer

Paul Dunphy, Director of Planning & Development Services

DATE: April 27, 2006

SUBJECT: Project 00382 - Bedford West Master Planning Study

ORIGIN

- At the February 25, 2003 session, Regional Council approved the terms of reference for the Bedford West master planning study area and a public participation program.
- The Public Participation Committee has prepared a report and draft Bedford West Secondary Planning Strategy which has been reviewed by and received a recommendation of approval from North West Planning Advisory Committee, North West Community Council, Chebucto Community Council and Western Region Community Council.

RECOMMENDATION

It is recommended that Regional Council:

1. Give First Reading to the proposed amendments to the Municipal Planning Strategies and Land Use By-laws for Bedford; Beaver Bank, Hammonds Plains, and Upper Sackville; and Halifax presented as Attachments A, B and C, respectively, and an amendment to the Regional Municipal Planning Strategy presented as Attachment D;
2. Schedule a public hearing; and
3. Approve the proposed amendments presented in Attachments A, B, C and D.

EXECUTIVE SUMMARY

At the February 25, 2003 session of Regional Council, the terms of reference for the Bedford West master planning study were approved¹. The primary purpose of the study was to determine the feasibility of developing a new community within the study area which would be serviced with municipal sewer and water.

Council also approved the formation of a committee to oversee a public participation program. The Bedford West Public Participation Committee was subsequently established with eight members selected by the three community councils with jurisdiction within the study area.. The Public Participation Committee has:

- chaired three public meetings
- held 14 committee meetings of which two were all day workshops
- collaborated with staff and land owners in preparing a draft Bedford West Secondary Planning Strategy with policies to guide future development of the study area
- presented the Secondary Planning Strategy to the Regional Planning Committee and the North West Planning Advisory Committee. Both committees have recommended approval.

Staff then presented the Secondary Planning Strategy at a joint meeting of the Chebucto, North West and Western Region Community Councils. Several minor amendments were introduced. The Community Councils recommended approval of the documents with the amendments recommended by staff.

Staff are satisfied that the Strategy provides a direction which adheres to the terms of reference approved by Regional Council and, with one minor exception, conforms with the Regional Municipal Planning Strategy. An amendment to the Regional Subdivision By-law is needed to implement a recommendation of the Public Participation Committee to only allow new serviced development within the Halifax Plan Area if a development agreement is approved by Chebucto Community Council.

The Regional Plan and Land Use By-law grandfather development rights associated with an existing subdivision application that has been submitted in accordance with the R-2 (Two Unit Dwelling) Zone of the Mainland Halifax Land Use By-law. In the event that the proponent does not proceed with seeking subdivision approval then the provision of the Bedford West Secondary Planning Strategy would prevail requiring development agreement approval for new serviced development of these lands.

Staff is continuing to evaluate the impact of this project on municipal service systems. Studies are currently being undertaken to determine whether there is sufficient capacity in the sanitary sewer system to support this project and other developments anticipated, or if upgrades are required. A

¹ The terms of reference are reproduced in the draft Secondary Planning Strategy (see Attachment B, item 1(b)).

transportation study is also being undertaken in conjunction with the Province to determine the impact on three interchanges of the Bicentennial Highway (Hammond Plains Road, Kearney Lake Road and the proposed Larry Uteck Blvd. interchange). It is anticipated that this work will be completed over the next several months and that a report with recommended capital cost contribution formula will be presented to Regional Council.

The draft Secondary Planning Strategy specifies that no development approvals are to be granted until capacity has been confirmed and Regional Council has approved the capital cost contribution charges under the Municipality's Subdivision By-law to pay for infrastructure upgrading costs apportioned to property owners in the study area.

Development of the Bedford West area was not envisioned when the Mill Cove and Halifax wastewater treatment plants were developed. Nevertheless, it is anticipated that with planned capacity upgrades, these facilities will have sufficient capacity to accommodate Bedford West and other expected developments over the next twenty-five years. This is consistent with the Regional Plan. The Regional Plan also designates land for serviced development beyond the Region's twenty-five year growth needs. To allow full build out of these lands beyond twenty-five years, additional wastewater treatment facilities will likely be needed. At some point the Municipality will have to develop a long range facility plan for to accommodate growth on these lands.

BACKGROUND

The following reports are included in Council's agenda package:

Report to North West Planning Advisory Committee re: Bedford West Secondary Planning Strategy, dated February 17, 2006, submitted by Anthony Tucker, Chair of the Bedford West Public Participation Committee.

Report to North West, Chebucto and Western Region Community Councils re: Bedford West Secondary Planning Strategy and Business Campus Zone, dated March 31, 2006, submitted by Joel Matheson, Chair of North West Planning Advisory Committee.

Staff Report to North West, Chebucto and Western Region Community Councils re: Bedford West Master Plan, dated April 4, 2006, submitted by Paul Dunphy, Director of Planning & Development Services.

Joint Report of the Chebucto, North West and Western Region Community Councils re: Bedford West Master Plan, dated April 25, 2006, submitted by Councillor Stephen D. Adams, Chair of Chebucto and Western Region Community Councils and Councillor Brad Johns, Chair of North West Community Council.

DISCUSSION

The Amendment Package

In previous reports from staff and the Public Participation Committee, a single policy document entitled “Bedford West Secondary Planning Strategy” was presented for review. This format was used in order to present the policies in an easily understandable manner. In reality, this secondary planning strategy encompasses portions of three Municipal Planning Strategies for Halifax, Bedford and Beaver Bank, Hammonds Plains and Upper Sackville.

The amendment package therefore introduces the secondary planning strategy as a new chapter to each of these municipal planning strategies. There are differences between each as some of the policies do not apply to all plan areas. The amending package includes the amendments recommended by staff to the original public participation committee proposal (details can be found in the staff report to Chebucto, North West and Western Region Community Councils, dated April 4, 2006).

The amendment to the Regional Municipal Planning Strategy (“the Regional Plan”) would give effect to the recommendation of the public participation committee pertaining to “the Hamshaw Lands”, located to the west of Kearney Lake. These lands are currently zoned R-2 (Two Unit Dwelling) Zone under the Mainland Halifax Land Use By-law and are permitted to be developed with municipal sewer and water services in accordance with the Land Use and Subdivision regulations. Policy SU-8 of the Regional Plan provides for continuation of this “as-of-right” development capability.

The Bedford West Secondary Planning Strategy proposes that no serviced development be permitted on these lands unless consultations are held with area residents and a development agreement is approved by the Chebucto Community Council. A more detailed explanation of the implications of this policy amendment can be found on pages 6 and 7 of the April 4, 2006 staff report to the Community Councils.

A Regional Perspective

The Bedford West Secondary Planning Strategy is supported by staff for the following reasons:

- the Regional Greenfield Study (CBCL, March 2004), prepared under the regional planning program, identified Bedford West as a low cost area for new development to be serviced with municipal sewer and water with minimal constraints (the study ranked Bedford West as having the lowest development costs on a per acre basis among 10 sites studied).

- Bedford West has been identified in the Regional Plan as a future growth area for planned development. The Regional Plan designates the master plan area as a suburban district centre which a full range of community development (including higher density residential, commercial, institutional and recreational uses) is supported by public transit.
- the site location allows for good access to the regional road network and for good integration with a regional transit service, regardless as to whether this entails a high speed ferry service with a station at Mill Cove or an alternative transit mode.
- the Secondary Planning Strategy conforms in all respects with the Regional Plan with the exception of the amendment previously outlined.
- the policies provide a well considered plan for environmental protection, provision of municipal services and land use allocation.

Highlights

The secondary planning strategy is divided into three themes: environmental protection, municipal services, and land use. The following is highlighted (policy references from the secondary planning strategy are presented in brackets).

Environmental Protection:

- Acceptance of a master stormwater management plan will be required as a condition of municipal approvals (policy BW-1). Annapolis Group, a major land owner within the master plan area and the owner of three dams within the Paper Mill Lake watershed, is currently rehabilitating the dams and is developing a plan with senior levels of government to use the dams for stormwater management, flood risk mitigation and possibly water quality management.
- a water quality program must be approved under the terms of a development agreement application for all developments within the Paper Mill Lake Watershed. This requirement would extend to development agreement applications outside the Bedford West Secondary Plan Area which are within the watershed unless granted an exemption by the local community councils (policies BW-3 and BW-4).
- No grade alterations or removal of vegetation are permitted within 100 feet of Kearney Lake, Kearney Lake Run or Black Duck Brook or within 66 feet of any other watercourse except to allow for trail systems and transportation crossings unless a management plan has been prepared (BW-7 and BW-9). Most of the lands around these watercourses are proposed to be included in public open space dedications.
- Tree replanting programs must be incorporated into development agreements (BW-10).

Municipal Services:

- Schematics of the main components of the water distribution system, the sanitary sewer system and the road network have been agreed upon and included in the policy statements (BW-14, BW-15 and BW-17). A trail system is also proposed (BW-17).
- A collector road has been designed which facilitates an efficient public transit service within the Bedford West community and strong connection with the surrounding region. Integration with any future regional transit system, whether bus rapid transit, fast ferry service or commuter rail, could easily be accommodated.
- A phasing plan is established with conditions under which each sub-area can develop (BW-20).
- Infrastructure charges for the cost recovery of new on-site and off-site infrastructure needed to service development within the secondary plan area must be approved by Regional Council before any subdivision approvals may be granted (BW-21).

Land Use:

- A community concept plan has been prepared for the lands of Annapolis Group Ltd. - the largest property owner within this secondary plan area -which provides guidance for future land use allocation. The plan illustrates the major parks and open space areas, residential neighbourhoods, a community commercial centre, sites for schools and other institutions, and a business campus.
- With the exception of the business campus, a community council must approve a development agreement for any development proposed within the community concept plan area. Policy criteria for development agreement applications are established for residential neighbourhoods under policy BW-32, the community commercial centre under policy BW-33 and the institutional/residential designation under BW-35.
- The policies emphasize creating a mixed used environment which supports and encourages public transit, pedestrians and cyclists, providing a variety of housing types and preserving significant natural features and environmentally sensitive areas while providing developers with flexibility to respond to changing market demands over time.
- Emphasis is placed on creating a pedestrian oriented environment within the Community Commercial Centre with specific policy measures such as encouraging buildings near the street line and limiting parking between building facades and the street.

- The business campus lands are intended to create an employment centre which is easily accessible to the Bicentennial Highway via the Hammonds Plains Road interchange and which is not only in close proximity to the new Bedford West community being created but also to the surrounding communities. The Municipality owns 50 acres of these lands which had originally been purchased by the Town of Bedford. A new Bedford West Business Campus Zone, presented as Attachment D, is to be applied to these lands. The zone has provisions for site plan approval which allows for flexibility in achieving municipal objectives while providing relatively quick approvals when business opportunities arise. It should be noted that the zone does not support another commercial district. Commercial uses are restricted to a limited portion of the park.
- Guidance is provided for future development of the remaining sub-areas within the secondary plan area (BW-39, BW-40 and BW-41). In similar fashion to the Annapolis lands, a public participation process must be undertaken to prepare a master plan for the sub-area. Once this is done, a comprehensive development district must be applied and a development agreement approved by the local community council.

Work to be Completed

If the Secondary Planning Strategy is approved, additional work must be completed before any development could be permitted. The required work is summarized as follows:

Sanitary Sewer Capacity Study:

Environmental Engineering Services (EES) has retained a consultant to prepare a waste water management strategy for the sewer collection system servicing the new Halifax Treatment Plant. One component of the study involves monitoring current flows in the Halifax Interceptor Sewer and analysing the impact of future development to determine if upgrades will be required. The Halifax Interceptor Sewer extends around the Bedford Basin from the Kearney Lake Rd. area to the Duffus Street pumping station and would receive sewage flows from major developments planned in Mainland South, including the Mother House Lands, Royale Hemlocks, Bedford South and Bedford West and may also receive flows from Timberlea².

EES has advised that:

- investigations are currently being undertaken to determine why waste water discharges onto the Bedford Highway during some wet weather events. A possible cause has been identified but has not been confirmed.

² Further information regarding the Timberlea situation may be found in an information report to Regional Council re: Timberlea, Lakeside and Beechville Service Boundary and Bedford West Master Plan Area, dated February 8, 2006 and presented as Attachment A, item 10 in the February 17, 2006 Public Participation Committee Report to North West Planning Advisory Committee.

- additional flow monitoring and inspections will continue through April to June and modelling is being undertaken to estimate the flow impacts of future growth on the capacity of the Interceptor Sewer system.

Upon completion, staff has committed to providing an overview of the technical issues, servicing options and the financial implications to Committee of the Whole.

Capital Cost Contribution Study:

A consultant has been retained to assist a staff team negotiate the capital cost contribution which will be required of property owners to pay for on-site and off-site infrastructure improvements needed to service this development. A traffic impact study is being prepared and the final report is expected in the near future. Details of the water distribution system are currently being negotiated with the Water Commission and discussions are being held with property owners concerning the sanitary sewer system design.

Upon completion of the sanitary sewer study and capital cost contribution studies, a proposal will be brought forward for consideration of approval for infrastructure charges to be levied under the Municipality's Subdivision By-law. The charges would be imposed to recoup infrastructure upgrades required to service Bedford West. The Secondary Planning Strategy states that no development is to be permitted until the charges have been approved by Regional Council.

BUDGET IMPLICATIONS

There are no budgetary implications associated with the amendments recommended by this report. However, before any development can proceed within Bedford West, negotiations regarding capital cost contributions must be concluded and approved under the Regional Subdivision By-law. If the charges are approved, the Municipality may have to commit to expenditures in future budgets for cost sharing of certain infrastructure which benefits the surrounding community.

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation.

ALTERNATIVES

1. Approve the amendments presented as Attachments A, B, C and D to this report. This is the course of action recommended by staff.
2. The draft Secondary Planning Strategy could be referred back to the Public Participation Committee for reconsideration of additional matters identified by Regional Council. If this option is chosen, the specifics of the matters should be explicitly identified.

3. Defer further consideration of this matter until the sanitary sewer study has been completed and a staff report has been prepared explaining the potential implications for servicing Bedford West, Timberlea and other areas that are tributary to this sewage collection system. It is staff's opinion that a deferral is not needed as servicing matters will be addressed in the capital cost contribution negotiations which must be approved by Regional Council before development is allowed to proceed over a majority of these lands.
4. Defer further consideration of the amendments presented in this report until the capital cost contribution negotiations are completed and that a public hearing be held to consider approval of both the Secondary Planning Strategy and the capital cost contribution charges concurrently.

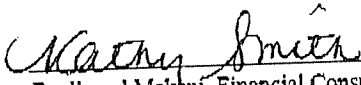
ATTACHMENTS

- A Amendments to the Municipal Planning Strategy for Bedford
- B Amendments to the Municipal Planning Strategy and Land Use By-law for Beaver Bank, Hammonds Plains, and Upper Sackville
- C Amendments to the Halifax Municipal Planning Strategy and Land Use By-law for Mainland Halifax
- D Amendment to the Regional Subdivision By-law

A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/agenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

Report Prepared by: Paul Morgan, Planner, Regional Planning, tel: 490-4482

Financial Review:


for Ferdinand Makani, Financial Consultant, 490-6902

**A By-law to Amend the Municipal Planning Strategy
and Land Use By-laws for Bedford**

1. The Bedford Municipal Planning Strategy is hereby amended by:
 - (a) revising the Generalized Future Land Use Map designations in accordance with the amendments presented on Map I.
 - (b) Inserting the following chapter immediately following the chapter entitled “Bedford South Secondary Planning Strategy”:

THE BEDFORD WEST SECONDARY PLANNING STRATEGY

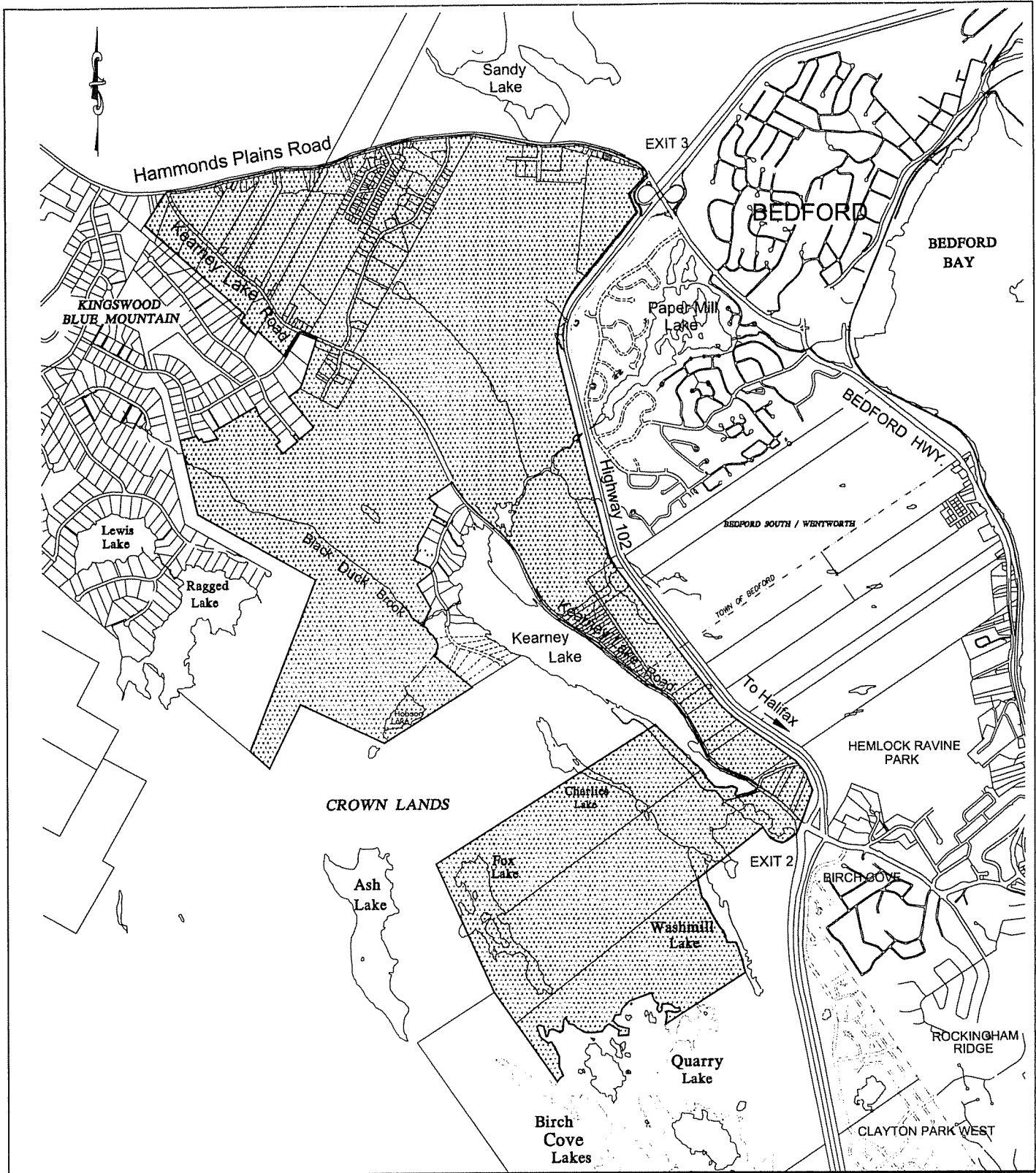
Background

In 2002, Regional Council directed that a master planning study be undertaken on lands on the west side of the Bicentennial Highway, in the vicinity of Hammonds Plains Road and Kearney Lake Road. The study was initiated in response to requests from two property owners to allow for development on municipal sewer and water services. Annapolis Group Ltd. owned approximately 1,200 acres and proposed to develop a comprehensively planned community while several family members requested municipal approvals to allow for a further 40 acre expansion of Peerless Subdivision with single unit dwellings.

In 2003, Council approved a study area boundary, study terms of reference and a public participation program¹. The study area boundaries, encompassing a total area of approximately 2,600 acres, are illustrated on Schedule BW-1. The terms of reference were to prepare conceptual community plans which:

- anticipate future community needs having regard for trends in demographics, housing affordability, building technologies, economics and social issues with specific consideration given to how the community proposed could fulfill a role in responding to needs within a regional context;
- integrate design with established neighbouring communities in terms of the natural and man made environment;
- reduce travel time and energy requirements, encourage the use of public transit, pedestrian and cycling facilities and enhance public safety through innovative integration of land use components with the transportation and open space systems;

¹ Details can be found in a staff report re: Bedford West Master Plan (Project 00382), dated January 17, 2003 and presented at the February 25, 2003 session of Regional Council.



**STUDY AREA
BEDFORD WEST**

SCHEDULE BW-1

MARCH, 2005

- preserve sensitive environmental areas and unique cultural features and respond to the opportunities and constraints imposed by the environment;
- maintain adequate service levels for municipal infrastructure (sanitary sewer, storm drainage, potable water and road systems) both within the area of new development and off-site while minimizing costs to all parties;
- allow for design flexibility in recognition of future changes to external circumstances/market conditions;
- minimize future demands on the Municipality's fiscal resources (capital and operating budgets) and provide fair and predictable cost-sharing of community infrastructure costs between the Municipality and individual property owners in terms of division and timing in accordance with the Municipality's Capital Cost Contribution Policy;
- provide policy guidance for more detailed negotiations with property owners/developers with specific consideration given to phasing of development with associated community infrastructure and the responsibilities of each party (property owners/developers and the Municipality).

A public participation committee was appointed with citizen representatives from Bedford, Hammonds Plains, and Prince's Lodge/Clayton Park. The committee's mandate was to ensure the public had opportunities to express opinions; collaborate with staff and developers in preparation of a plan; provide advice on policy and regulatory documents proposed; and confer with the Regional Planning Advisory Committee (the RPC).

The Bedford West master planning study was undertaken while a regional planning program that was being prepared under the supervision of the RPC. This secondary planning strategy has therefore been prepared in accordance with the master plan study terms of reference established by Council and in conformity with all relevant regional plan policies being proposed.

Environmental Protection

Lakes and Watercourses

A vast majority of the study area is within Paper Mill Lake watershed which includes Washmill Lake, Quarry Lake and Suzie Lake. Dam structures control water elevations at the outlets of Paper Mill Lake, Kearney Lake and Quarry Lake. The dams which remain under the ownership of Annapolis Group have historically been used for power generation at a turbine on Moirs Mills. Today, the lakes are used for various recreational activities such as swimming, fishing and boating - activities which are highly valued by the surrounding communities and which are dependent upon maintenance of the dams.

Annapolis Group has entered into negotiations with the Province pertaining to the upgrading of the dams and has proposed that control gates be introduced for flood control and storm water management purposes. Two studies: *Bedford Dams Comprehensive Review* (SGE Acres, October 2003) and *Bedford West Stormwater Management Pre-Design Brief* (SGE Acres, March 2004) were submitted by Annapolis to the Province in support of this proposal.

The Municipality supports preservation of the dams and the introduction of flow control mechanisms which reduce flood risks and which further good stormwater management practices provided that lake levels are maintained within ranges needed to sustain recreation activities and maintain shoreline aesthetic. The Municipality also supports an ownership plan to ensure proper long term operation and maintenance of the dams.

Annapolis Group also had two further studies prepared in support of it's development proposal: *Water Quality Assessment of Water Bodies Contained in the Bedford West Planing Area Using a Phosphorous Loading Model Approach* (Dalhousie University Centre for Water Resource Studies, April 2004) and *Bedford West Planning Area: Subwatershed Management Plan* (Jacques Whitford, May 2004).

The first study concluded that best management practices may be needed both during development and afterward to maintain a water quality in the lakes that is satisfactory for recreational activities. Leaching from septic fields from existing development in adjacent areas may also contribute to phosphorous loading and mitigative measures may be needed over the long term. The study recommended that a monitoring program be established on lakes throughout the watershed.

The Jacques Whitford study examined the characteristics of the watershed and the proposed development and prepared guidance for more detailed stormwater management plans.

Objectives:

- to undertake storm water management planning on a watershed basis with community design based on natural drainage patterns;
- to prevent flooding of properties and safeguard flood plains;
- to preserve the water quality of lakes and rivers;
- to preserve groundwater flows;
- to support regional initiatives in solid waste recovery, Halifax Harbour remediation and watershed management.

Policy BW-1:

No development agreement shall be approved unless a master storm water management plan has been prepared, reviewed by the Bedford Waters Advisory Board and accepted by the Municipality. The management plan shall:

- a) identify significant constraints and sensitivities with regard to flood potential, and environmental features and provide appropriate protection measures;*
- b) provide estimates of pre-development and post development flow rates (where post development flow rate means the expected flow rates upon full build out of an area as permitted by the development agreement) at critical locations within watercourses such as at culverts and other road crossings and at downstream developments;*
- (c) outline the type and location of storm water management facilities and the approach to protecting receiving waters from contamination, excessive flow rates and loss of aquatic habitat and to protect the quantity and quality of groundwater flows; and*
- (d) conform with the recommendations of the Bedford West Planning Area Subwatershed Management Plan (Jacques Whitford: May 2004) unless otherwise acceptable to the Municipality and the Province.*

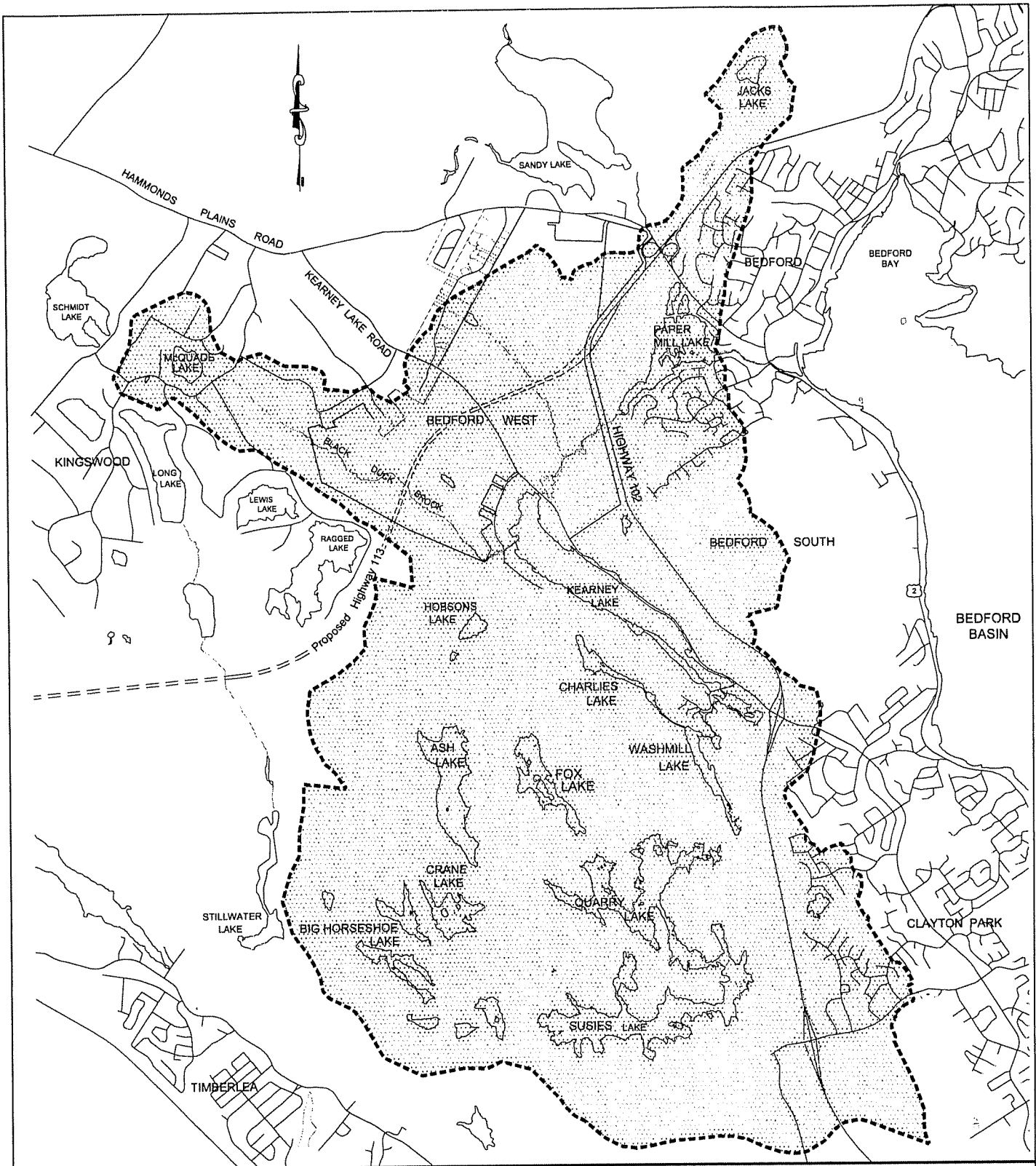
Policy BW-2:

No subdivision approvals shall be granted unless the detailed design specifications conform with the master stormwater management plan approved under policy BW-1.

Policy BW-3:

A water quality monitoring program shall be undertaken for the Paper Mill Lake watershed, illustrated on Schedule BW-2 to track the eutrophication process. The program is to be designed in accordance with national guidelines established by the Canadian Council for Ministers of the Environment (the CCME guidelines) and undertaken by a qualified persons retained by the Municipality and financed in whole or in part by developers within the watershed area. Specifics of the program are to be negotiated under the terms of a development agreement in consultation with the Bedford Watershed Advisory Board. The monitoring program shall:

- a) specify the duration of monitoring for the pre-construction, construction and post-construction phases of development. Pre-construction phase means a period of time before construction activity starts. Post-construction phase means a period of time that commences at full build out of the area permitted by a development agreement.*



**PAPERMILL LAKE WATERSHED
BEDFORD WEST**

SCHEDULE BW-2

MARCH, 2005

Construction phase means the full time period between the pre-construction and post-construction phase);

- (b) specify the physical and chemical water quality indicators to be measured, the location and frequency of testing and the format of submissions to the Municipality in each phase referenced under clause (a);*
- (c) establish physical and chemical water quality indicator threshold levels for the recreational uses of the lakes which would be used as a basis for reevaluating watershed management controls and future development potential within the area. The threshold indicators are to be established prior to any development approvals being granted;*
- (d) conform with all water quality policies, specifications, protocols and review and approval procedures approved by Regional Council.*

Policy BW-4:

Where the Community Council is satisfied that a development agreement application has been made for a development proposal which could not be reasonably expected to impact the quality of water within the Paper Mill Lake watershed, the requirements of policy BW-3 may be waived.

The Community Council shall seek the advice of the Bedford Watershed Advisory Board before granting any waiver.

Policy BW-5:

In the event that water quality threshold levels, as specified under clause (c) of policy BW-3, for Paper Mill Lake or Kearney Lake are reached, the Municipality shall undertake an assessment and determine an appropriate course of action respecting watershed management and future land use development in the area. An assessment shall consider the CCME guidelines. Water quality thresholds and any assessment reports shall be made available to the public.

Policy BW-6:

No stormwater shall be discharged directly into any natural watercourse without the use of mitigative measures as stipulated in under the stormwater management plan and in accordance with municipal and provincial guidelines.

Policy BW-7:

No development, grade alteration, excavation, fill, pavement or removal of natural vegetation shall be permitted within one hundred (100) feet of the high water mark, or within the limits

of any 1 in 20 year flood plain of Kearney Lake, Kearney Lake Run or Black Duck Brook or within sixty-six (66) feet of the high water mark of any other watercourse, or within the limits of any 1 in 20 year flood plain of any watercourse, except as provided for by development agreement in accordance with an approved water management plan approved pursuant to the provisions of policy BW-9 or as provided to allow for trail systems, transportation crossings or utilities.

Preservation of Trees and Environmentally Significant Features:

Objectives:

- to identify, preserve and maintain significant environmental features;
- to protect riparian buffer areas around lakes and watercourses;
- to minimize site disturbance, maximize tree retention and to restore trees over area which have been disturbed by development activities

Policy BW-8:

No development agreement shall be entered into over lands on which trees have been removed except:

- (a) as may be required for a bonafide land survey;*
- (b) to satisfy any provincial or federal requirements; or*
- (c) where, in the opinion of Council, the extent of such cutting would not preclude achieving the three objectives stated above.*

Policy BW-9:

Within any watercourse protection setback established under policy BW-7, no vegetation or soil shall be removed or altered unless a management plan has been approved to provide for restoration of vegetation, shoreline access paths, habitat management, safety and welfare or shoreline recreation where such provisions may be made without adversely affecting the primary purpose of preserving water quality in the lake. Any study or management plan submitted pursuant to this clause shall be prepared by a person qualified to make the required determinations and an approval procedure shall be established under the terms of a development agreement.

Policy BW-10:

Wetlands, lakes, watercourses, endangered species habitat and any other features of environmental significance shall be delineated as non-disturbance areas under development agreements. Non-disturbance areas shall be located to allow for continuity of non-disturbance areas on abutting lots, municipal parkland and open space dedications, and natural areas adjacent to watercourses.

Policy BW-11:

A tree replanting program shall be incorporated into development agreements. The program shall specify the locations, number, type and diameter of trees to be planted. The type of trees shall be indigenous to Nova Scotia.

Policy BW-12:

Development of major land areas on slopes in excess of twenty-five percent (25%) shall be prohibited under any development agreement except where it can be demonstrated that such development would not create any hazard and could better preserve open spaces or areas of environmental value.

Policy BW-13:

The Municipality may allow for modifications to the service system specifications adopted under subdivision regulations where such modifications would enhance the ability to preserve the natural environment without compromising the intended objectives of the service systems.

Municipal Services

The feasibility of servicing the Bedford West area was examined and compared to ten other potential development areas around the metropolitan area under the regional planning program. A study concluded that Bedford West was one of two study areas with minimal constraints to development and had low servicing costs per acre².

Servicing costs were deemed low because there was already considerable infrastructure in the area which could be utilized for new development. The transmission main from the Pockwock Lake water supply to Halifax extends along Kearney Lake Road making a potable water supply readily available. Halifax Regional Water Commission had previously commissioned a study to

² CBCL Ltd. & Marshall Macklin Monaghan. *Final Report: Greenfield Areas Servicing Analysis Report*. Prepared for Halifax Regional Municipality. July 2004.

determine infrastructure needed to service this area³.

Traffic from Bedford West is easily accessible to the Bicentennial Highway - a principle arterial road for the region - via interchanges at the Hammonds Plains Road and Kearney Lake Road and from a future interchange proposed with Larry Uteck Boulevard. Annapolis Group Ltd., the major land owner within the Bedford West study area, prepared a transportation plan which concluded that minimal investment in transportation infrastructure would be required by the Municipality to facilitate development of this area⁴. The study identified transportation upgrades needed and a phasing plan.

Through the regional planning program, the Municipality has sought to encourage alternative transportation modes to the automobile. Bedford West is well situated to integrate with regional transit and trail systems and consideration was given to how the community could be designed to take advantage of these attributes.

Bedford West could be connected to either the municipal sanitary collection sewer system which is discharged to Mill Cove treatment plant or to the system which will discharge to the new Halifax treatment plant. In both instances, sewage would have to be pumped to existing gravity mains in the Hammonds Plains Road (discharging to Mill Cove) or in Kearney Lake Road (Halifax system). Careful consideration was given to available capacities for new development when allocating sewage flow from Bedford West to each of these systems.

A development phasing plan has been developed which integrates various servicing needs and, in accordance with the Municipality's capital cost contribution policy, an infrastructure charge area will be established under the subdivision by-law to recover the costs of infrastructure needed to accommodate new development.

Objectives:

- to ensure that the municipal servicing systems are designed to satisfy the ultimate demands anticipated from this community and that services are phased with development to provide satisfactory service levels at all times;
- to employ service standards that are economical and innovative, and that achieve municipal objectives and policies, including public safety, healthy lifestyles and environmental protection;
- to safeguard the capacity of the Halifax and Mill Cove sewage treatment plants;

³ CBCL Ltd. *Birch Cove North/Bedford West Water Infrastructure Master Plan*. Prepared for Halifax Regional Water Commission. February 1999.

⁴MRC Delphi. *Bedford West Master Plan: Transportation Study*. February 2004.

- to facilitate the safe and convenient movement of pedestrians and cyclists within the community and to surrounding neighbourhoods;
- to allow for a convenient and cost efficient public transit system that can provide a high level of service to residents in the community and which can integrate with the regional public transit system;
- to encourage synergy between land uses, lifestyle needs and transportation modes;
- to minimize motor vehicle traffic impacts on the regional transportation system;
- to preclude excessive traffic levels in residential neighbourhoods;
- to allow for efficient access to places of commerce and employment in the community;
- to recover the cost of new infrastructure needed to service development within the secondary plan areas in accordance with the capital cost contribution policy adopted by the Municipality.

Water and Sanitary Sewer Systems:

Policy BW-14:

The water distribution system shall conform with the recommendations of the Birch Cove North/ Bedford West Water Master Infrastructure Plan (CBCL, 1999) and with the system schematics illustrated on Schedule BW-3 unless otherwise acceptable to the Halifax Regional Water Commission and no development shall be approved by the Municipality unless notified by the Commission that the proposed distribution system conforms with all design and operating specifications established.

Policy BW-15:

The sanitary sewer system shall be designed in conformity with the schematics illustrated on Schedule BW-4 and in accordance with the Municipality's Service Systems Specifications, as amended from time to time. Sewage flow calculations, shall be based on an assumed occupancy of 3.35 persons per single unit, two-unit or townhouse dwelling and 2.25 persons per unit in each multiple unit dwelling; 50 persons per acre for general commercial uses within the Community Commercial Centre shown on Schedule BW-7 or proposed within Sub-Area 9; and 40 persons per acre for mixed use business campus uses; and 30 persons per acre for local commercial, community facility and institutional uses⁵.

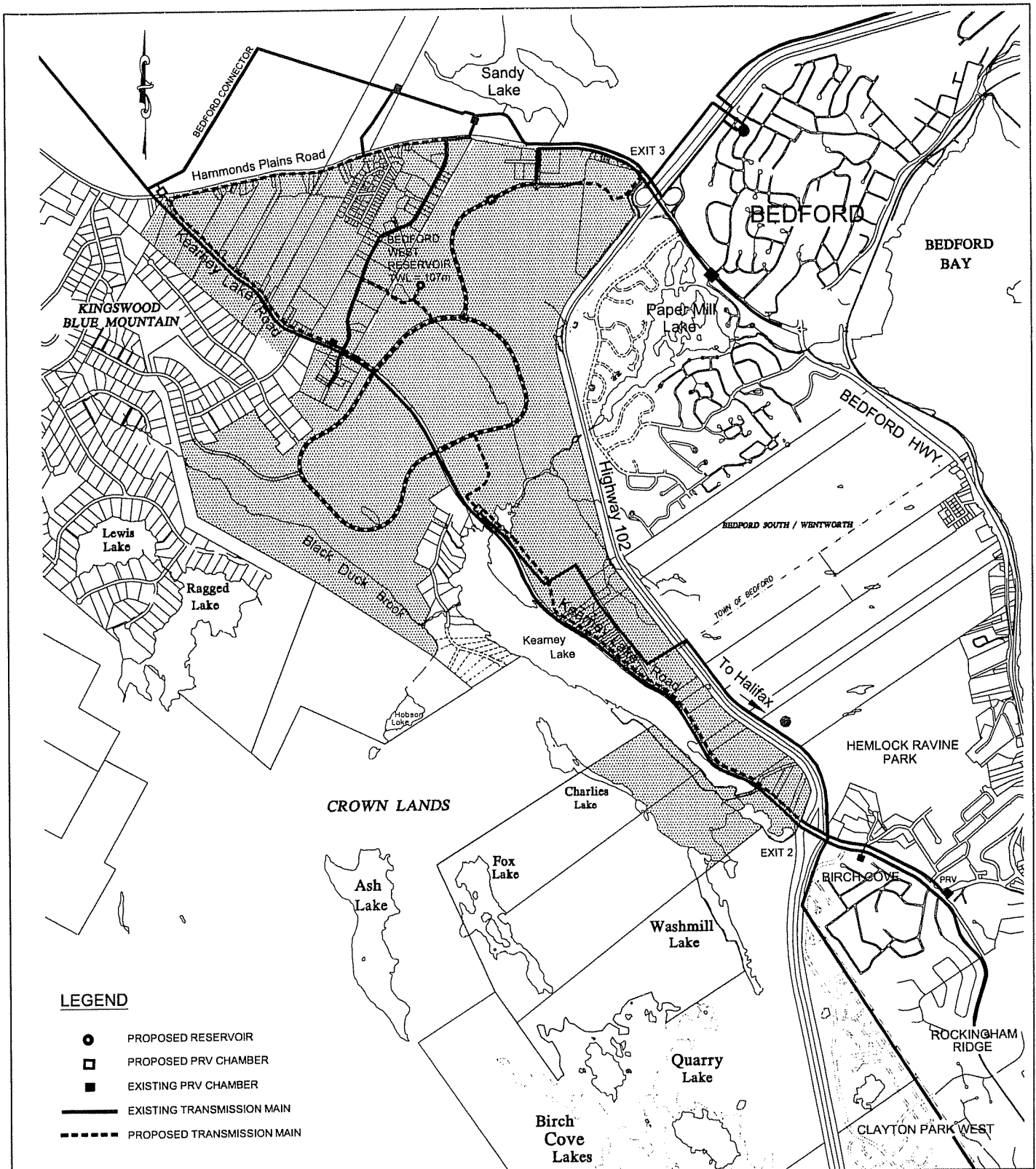
⁵ For the purposes of this Secondary Planning Strategy, all density calculations are based on gross area.

Policy BW-16:

Based on the assumed occupancies under policy BW-15 and the phasing plan illustrated on schedule BW-6, the sanitary sewer system shall be designed to satisfy the following conditions:

- (a) a maximum density of 40 persons per acre shall be permitted for all lands to be developed as a mixed use business campus within Sub-Area 3;*
- (b) a maximum density of 50 persons per acre shall be permitted for all lands designated community commercial centre within Sub-Areas 2, 6, 7 and 8 as illustrated on schedule BW-7 or proposed for general commercial uses within Sub-Area 9 and 12;*
- (c) For all other Sub-Areas or part thereof, a maximum density of 20 person per acre shall be permitted; and*
- (d) the temporary pumping station and forcemain, illustrated as "PS (TEMP)" and "FORCEMAIN (TEMP)" on schedule BW-4, shall be permitted to service a maximum of 6,100 persons where upon the permanent pumping station and forcemain along the Kearney Lake Road must be designed and constructed to service all lands intended to flow to the Halifax Sewage Treatment Plant (as illustrated on schedule BW-4) . This requirement may be waived if:
 - (i) the financing for the construction for the permanent pumping station and forcemain has been secured by the Municipality and a time frame for construction agreed upon; and*
 - (ii) there is sufficient capacity remaining in the temporary pumping station and forcemain to allow for additional sewage discharge to the Mill Cove Sewage Treatment Plant.**

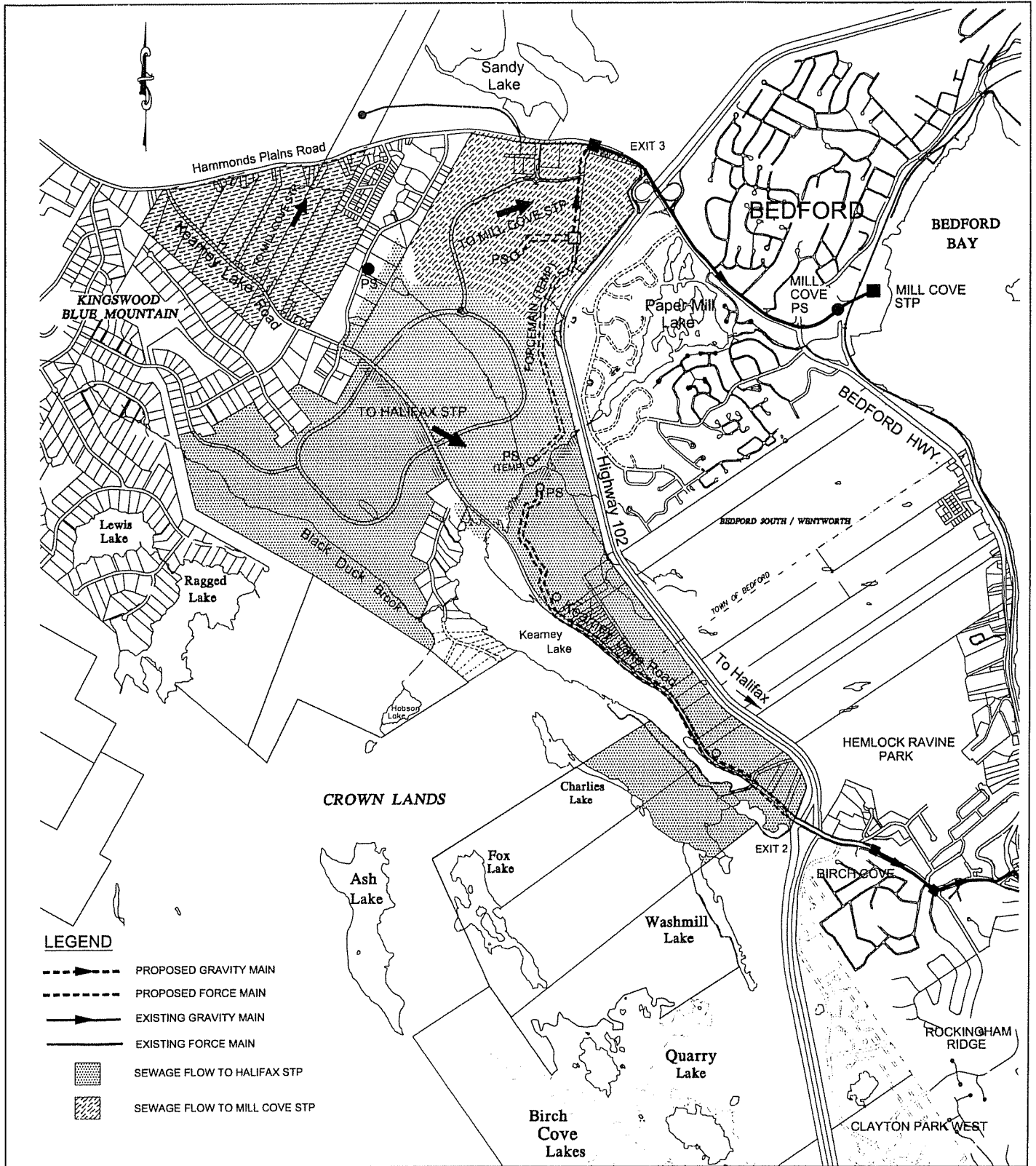
In the event that any Sub-Area is not developed to the maximum permitted density, the Municipality may consider allowing the difference to be allocated to another Sub-Area provided that the development proposal conforms will all other policies established under this secondary planning strategy.



**WATER SERVICE SYSTEM
BEDFORD WEST**

SCHEDULE BW-3

MARCH, 2005



**SANITARY SEWER SERVICING
BEDFORD WEST**

SCHEDULE BW-4

JULY 04, 2005
REVISED OCT. 11, 2005

Transportation:

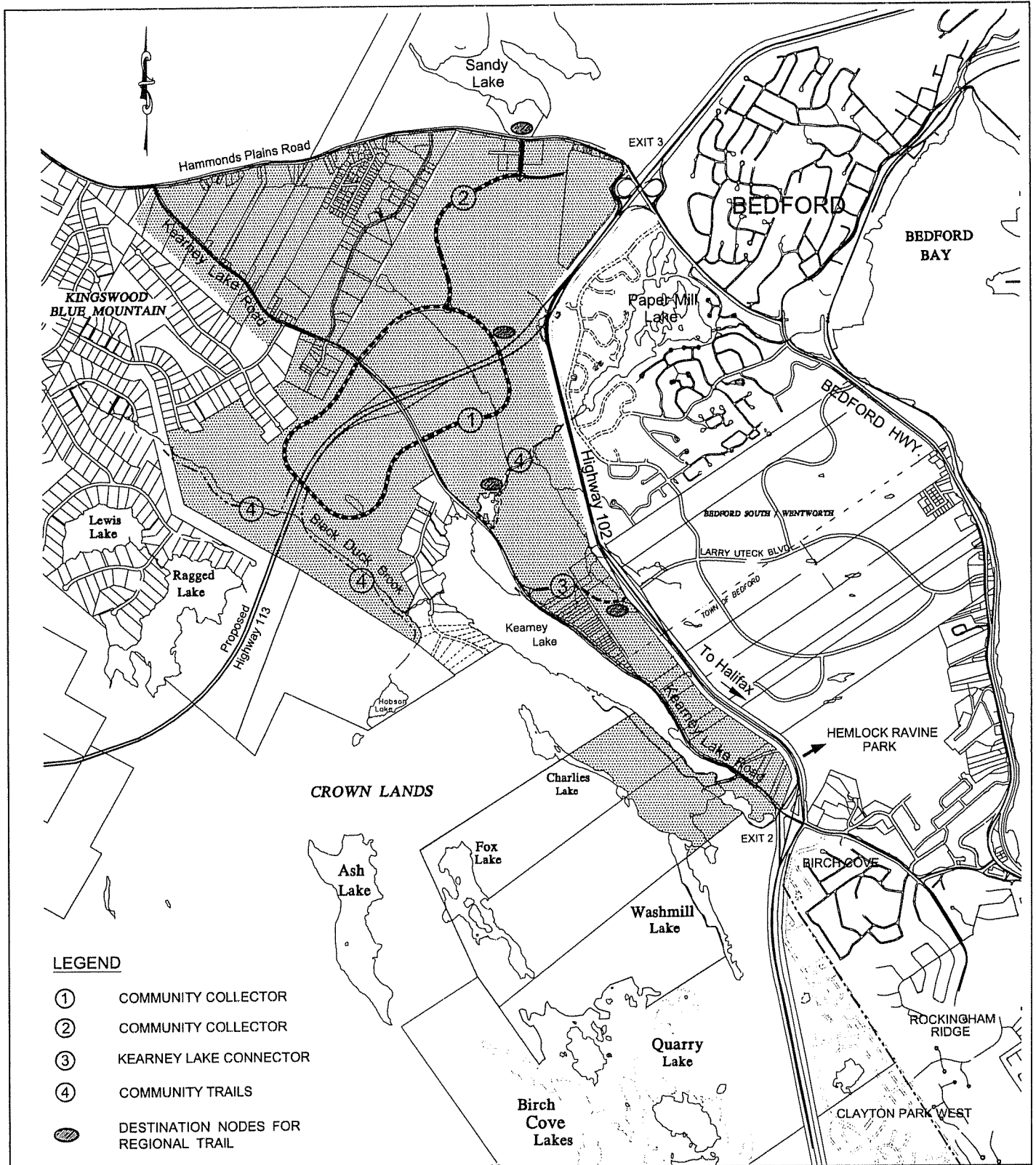
Policy BW-17:

A community street and trail system shall be developed in substantial conformity with the designations and alignments presented on Schedule BW-5 except that variations to the alignment may be considered to enhance safety, provide a better fit with the natural terrain, mitigate surface runoff or preserve significant environmental features. The following requirements shall be applied:

- (a) the connector road from Kearney Lake Road to the Larry Uteck Drive interchange shall be designed with a right-of-way width sufficient to allow for two lanes of through traffic with turning lanes at intersections. Direct driveway access shall be restricted to commercial developments in the vicinity of the interchange and all other access shall be restricted to street intersections. The need for sidewalks will be determined at the time a street plan is submitted in association with a development agreement for Sub-Area 9 as illustrated on Schedule BW-6;*
- (b) the Community Collector Road shall be designed as an urban minor collector with sufficient right-of-way width for two lanes of traffic, turning lanes, where required, and sidewalks on both sides. Direct driveway access shall be restricted to commercial developments, apartment buildings, institutions and clustered housing developments comprised of at least eight housing units with one driveway access to the Community Collector Road. One or more rotaries may be permitted;*
- (c) a regional trail system shall be designed to connect with the destination nodes illustrated on BW-5.*
- (d) community trail systems shall be constructed by the developer of the lands on which it is located with the design specifications negotiated under a development agreement. Trails shall be designed and constructed in accordance with the Guidelines of the Nova Scotia Trails Federation unless otherwise acceptable to the Municipality. Variations to the Municipal Service Specifications for sidewalks may be considered where a trail is proposed which would provide improved accessibility for pedestrian travel in the community; and*
- (e) phasing of transportation system upgrades shall be undertaken in accordance with the recommendations of the Transportation Plan (MRC Delphi, February 2004) unless otherwise agreed to by the Municipality and the Province.*

Policy BW-18:

The Municipality shall prohibit motorized conveyances on all trails, except maintenance, emergency or patrol vehicles, and except electric wheelchairs or similar devices required for mobility by persons with disabilities.



**TRANSPORTATION SYSTEM
BEDFORD WEST**

SCHEDULE BW-5

Policy BW-19:

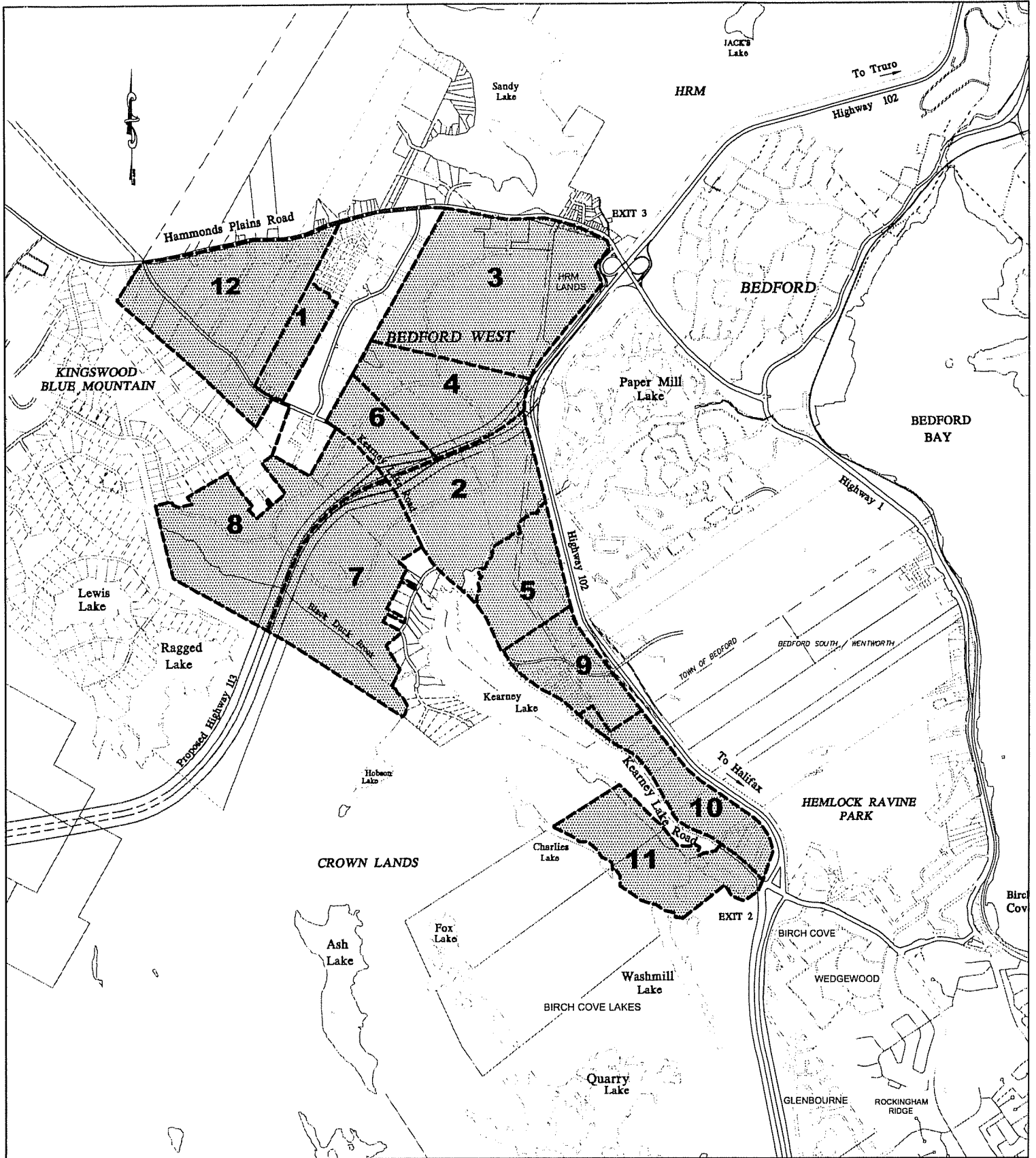
Variations to municipal service system standards may be considered where such variations conform with the principles set forth in the Transportation Association of Canada's "A New Vision for Urban Transportation" or any other guidelines or policies acceptable to the Municipality. Consideration shall be given to the objectives and policies established under this Municipal Planning Strategy, public safety, environmental and lifestyle factors, and capital and operating costs as well as other benefits to the Municipality, such as construction of trail systems on public lands.

Development Phasing and Cost Recovery

Policy BW-20:

A development Sub-Area plan is established for this secondary plan area as illustrated on Schedule BW-6 in which the following conditions shall apply:

- (a) Any approvals within Sub-Areas 1 to 12 will also be contingent upon availability of capacity within municipal service systems;*
- (b) any development agreement entered into within Sub-Areas 2 to 8 and 12 shall include provisions for all new development intended within the Sub-Area;*
- (c) any development agreement for Sub-Area 4 will require that either (i) the community collector road be completed from the Kearney Lake Road to the Hammonds Plains Road through Sub-Areas 2 and 3 or (ii) the community collector road is constructed through Sub-Area 6 to the Kearney Lake Road;*
- (d) approval for Sub-Area 6 may not precede Sub-Area 4 but approvals for both Sub-Areas may be considered concurrently and approval for Sub-Areas 3 and 4 may be considered concurrently;*
- (e) no municipal approval for Sub-Area 5 will be given until development agreements have been entered into for Sub-Areas 2, 3 and 4 or Sub-Areas 2, 4 and 6 but nothing will preclude allowing development to commence before completion of Sub-Areas 2, 3, 4 or 6;*
- (f) no municipal approvals will be granted for Sub-Areas 7, 8 and 9 until the Highway 102/Larry Uteck Drive interchange and Kearney Lake Road connector are constructed or financing has been secured and a time frame for completion agreed upon;*
- (g) no development agreement shall be entered into for Sub-Areas 5 unless a servicing and phasing plan has been prepared and included in the agreement for the extension of municipal sewer and water services to both Sub-Areas 5 and 9.*



DEVELOPMENT SUB-AREAS

BEDFORD WEST

SCHEDULE BW-6

JULY 04, 2005
REVISED OCT. 11, 2005

- (h) *The requirement of clause (g) may be waived if a development agreement for Sub-Area 9 has been approved prior to an application for Sub-Area 5 and the agreement provides for the extension of municipal services to Sub-area 9 at no cost to the Municipality.*

Policy BW-21:

In accordance with the provisions and requirements of the Municipality's Infrastructure Charges Best Practice Guide and Part II of this Municipal Planning Strategy, an infrastructure charge area shall be established under the Subdivision By-law over the area governed by this Secondary Planning Strategy and no subdivision approvals shall be granted until infrastructure charges are in effect.

Land Use

The following development guidelines are based on Schedule BW-6: Development Phasing.

Sub-Area 1

This Sub-Area approximately 45 acres of undeveloped land on which an extension of the Peerless Subdivision is proposed. All lots are to be developed with single unit dwellings on central sewer and water services. The extension is to be serviced with an extension of the sanitary sewage collection system which discharges into the Mill Cove treatment plant. The local street system shall be designed so as to discourage traffic external to this Sub-Area and Peerless Subdivision traveling between Kearney Lake Road and Hammonds Plains Road.

Policy BW-22:

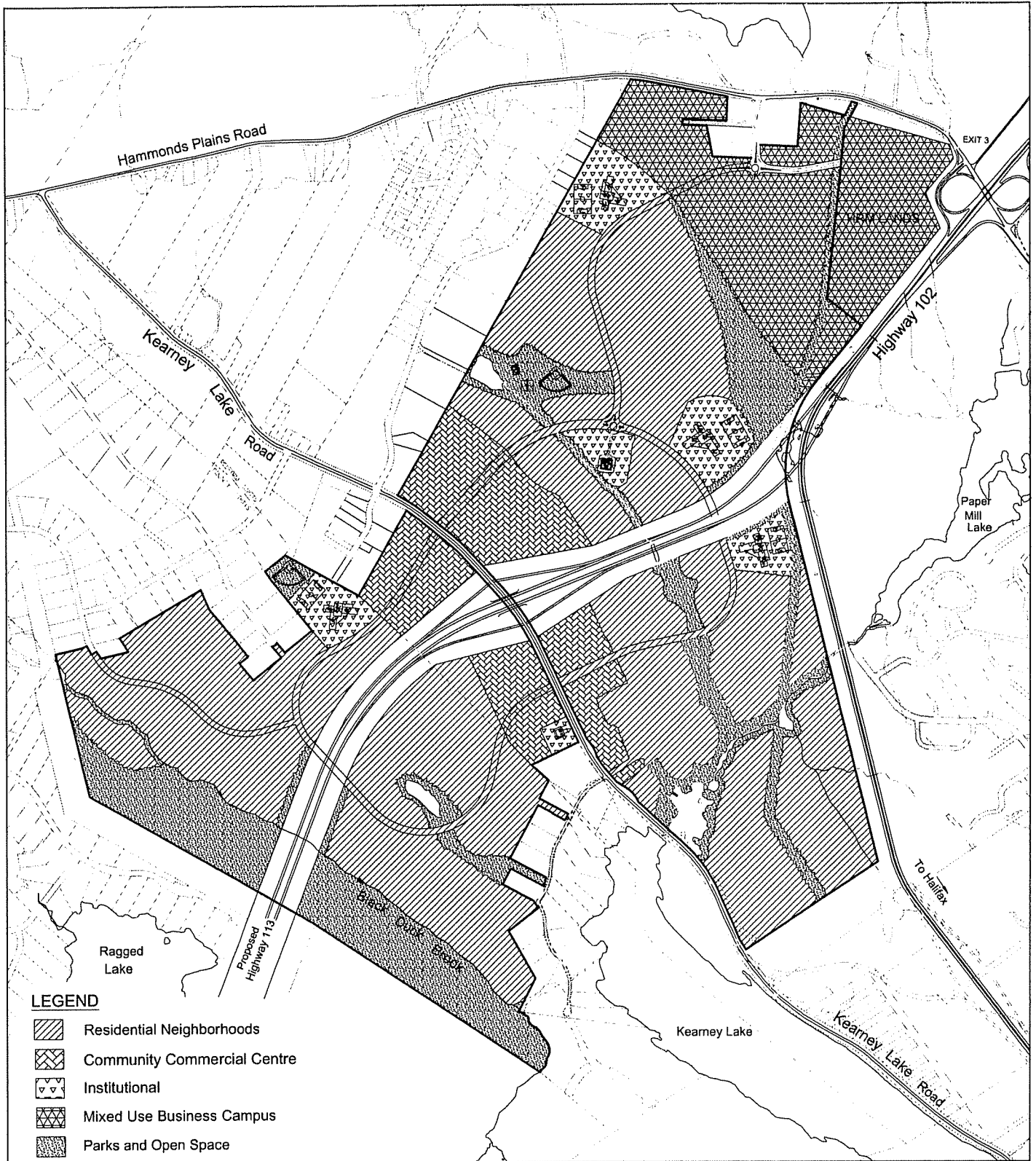
Sub-Area 1 shall be designated Residential on the Generalized Future Land Use Map of this Municipal Planning Strategy and zoned Residential Single Unit (RSU) under the Land Use By-law.

The Community Concept Plan (Sub-Areas 2, 3, 4, 6, 7, and 8)

A Community Concept Plan has been prepared over lands owned by Annapolis Group Inc. - the major land owner within the master plan study area, as well as a 50 acre parcel owned by the Municipality adjacent to the Hammonds Plains Road/Bicentennial Highway interchange. The Plan, presented as Schedule BW-7, illustrates the main land use and transportation elements proposed.

The design principles incorporated into the plan are highlighted as follows:

- Lands needed for daily living activities - housing, shops, workplaces, schools, parks, and civic facilities - are integrated within the community;



LEGEND

-  Residential Neighborhoods
-  Community Commercial Centre
-  Institutional
-  Mixed Use Business Campus
-  Parks and Open Space

**COMMUNITY CONCEPT PLAN
BEDFORD WEST**

SCHEDULE BW-7

APRIL 3, 2006

- The community collector streets facilitate efficient public transit routes which can provide a high level of service to the residential neighbourhoods and activity centres within the community and which conveniently connect with the regional transit system;
- Lands bordering Kearney Lake and Kearney Lake Run which are valued by the community for their aesthetics and recreational potential have been reserved for public uses;
- A sidewalk and trail system extends throughout the community which connects residents to the park system, commercial and other activity centres, and a future regional trail system which would extend from Clayton Park to Jacks Lake;
- The street system has been designed to prevent external traffic from traveling on local streets while accommodating pedestrians and cyclists throughout the community;
- The residential neighbourhoods encompass lands of varying topography allowing for differing identities and a range of housing opportunities within each;
- Lands have been allocated for a mixed use business campus adjacent to the Hammonds Plains Road/Bicentennial Highway which can potentially provide employment opportunities for residents of Bedford West and the surrounding community without introducing additional traffic on local residential streets.

The Community Concept Plan provides guidance for the overall development of this community. More detailed objectives and policies for each element are presented in the following sections.

Policy BW-23:

The Community Concept Plan, presented as Schedule BW-7, shall form the framework for land use allocation within the master plan area and all policies and actions taken by the Municipality shall conform with the intent of this plan. A comprehensive development district zone shall be applied to all lands within the community concept plan area and any development of the land shall be subject to approval of a development agreement. In the event that the lands allocated for the proposed Highway 113 right-of-way are not required by the Province for a highway, then the lands may be used for development permitted within the abutting land use designation.

Policy BW-24:

To facilitate a variety of housing types and achieve both the overall density and open space allocations envisioned by the Regional Plan, consideration may be given to varying development standards established under the Bedford Municipal Planning Strategy and Land Use By-law. More specifically standards pertaining to lot area, lot frontage, lot coverage, setbacks and building height may be varied to reflect the uniqueness of each Sub-Area, the market being targeted and the theme of that Sub-Area.

Parks and Open Space

The Open Space Designation encompasses lands around the major watercourses traversing the study area - Kearney Lake, Kearney Lake Run and Black Duck Brook - as well as smaller watercourses. These lands offer opportunities for recreational activities, environmental protection and preservation of areas which are highly valued for their aesthetics. Within these areas, paths for pedestrians and cyclists are proposed as well as facilities for passive recreational activities.

Areas for active playgrounds are more centrally located. Four sites have been reserved for schools along the community collector road where sports fields and playgrounds would be suitably located. Neighbourhood parks are to be integrated within residential areas.

Policy BW-25:

The areas designated as Open Space on Schedule BW-7 shall be reserved for recreational uses, conservation uses including stormwater management and environmental protection. Provided that the area of the designation is not materially reduced, the boundaries of the Open Space Designation may be varied where such changes provide:

- (a) enhanced protection of environmentally sensitive site features;*
- (b) more opportunity for preservation of significant aesthetic features;*
- (c) more suitable lands for recreational uses; or*
- (d) a more functional trail system for pedestrians and cyclists.*

The intended purpose of all open spaces shall be identified and agreed to in a development agreement application. Lands within the Open Space Designation may be allocated to satisfy the Municipality's Subdivision By-law requirements for parkland dedication.

Policy BW-26:

Street crossings of the Open Space Designation shall be minimized and any trail development within a watercourse buffer zone established under policy BW-7 shall be subject to the requirements of policy BW-9.

Policy BW-27:

No stormwater management, sanitary sewer or water service system shall be located within the Open Space Designation which would adversely affect environmentally sensitive areas, detract from the aesthetics of the area or impair any recreational functions intended.

Policy BW-28:

In the event that the Municipality is unable to determine whether any undertaking will adversely affect environmentally sensitive areas, the Municipality shall require that an environmental impact analysis be undertaken at the cost of the developer by a person qualified to make such a determination and as selected or agreed upon by the Municipality.

Policy BW-29:

The development of all recreational facilities shall conform with the HRM Guidelines for Parkland Planning adopted by Council.

Policy BW-30:

Prior to any subdivision approval being granted, the developer shall prepare a recreation facilities plan for the development of recreational facilities for lands to be conveyed to the Municipality for parkland and open space dedication. The plan shall consider facility requirements in relation to present and future community needs, safety and convenience, environmental protection or enhancement, financial resources and phasing.

Policy BW-31:

Community parks are intended to be located on lands reserved for schools within the Institutional/Residential designation shown on Schedule BW-7. In the event that schools are not developed on these lands, the Municipality may require that these lands or portions thereof be reserved for community parks.

Residential Neighbourhoods

The following objectives have been identified for residential development within this community:

- to plan neighbourhood development on a comprehensive basis;
- to support and integrate housing opportunities for a variety of income levels, lifestyles and age groups;
- to foster individual neighbourhood identities with attractive streetscapes and distinctive architectural and landscaping themes;
- to preserve natural drainage systems and areas of unique or sensitive terrain and vegetation and to encourage development designed to suit the natural terrain and reduce negative impacts on the natural environment;

- ❑ to provide attractive, comfortable and convenient routes for pedestrians and cyclists that connect with the community trail system, local commercial and community facilities and public transit stops;
- ❑ to provide neighbourhood parks at convenient locations that are comfortable, visible and conform with the principles of crime prevention through environmental design (CPTED);
- ❑ to encourage innovative design within clearly defined performance criterion;
- ❑ to provide an effective integration with established neighbourhoods and to provide for adequate buffers from abutting commercial and industrial developments.

Policy BW-32:

The following matters shall be considered for all development agreement applications within a Residential Neighbourhood Designation shown on Schedule BW-7:

- (a) the density of housing units shall not exceed six units per acre per Sub-Area except that if the maximum density permitted in one development Sub-Area is not achieved, the Municipality may consider transferring the difference between the maximum permitted and actual number of housing units to another development Sub-Area provided all policy criterion can be satisfied and the housing density does not exceed seven units per acre in any development Sub-Area;*
- (b) community facilities such as schools, churches and day care centres and businesses that provide goods and services at a neighbourhood level, such as convenience stores, may be permitted within a residential neighbourhood. Convenience stores shall be encouraged to locate at intersections with a Community Collector Street and at transit stops;*
- (c) sidewalks and pathways facilitate comfortable and convenient pedestrian travel to transit stops on the Community Collector Street System, the Community Trail System and to community services;*
- (d) the design of neighbourhood streets facilitate shared use by cyclists and encourage safe vehicular speeds and discourage short-cutting and excessive speeds by automobiles while enabling direct routes for pedestrians and cyclists;*
- (e) a variety of housing types is provided within each Sub-Area and distributed so as to avoid a congested appearance of streetscapes. Consideration shall be given, but not limited, to the design guidelines of policies R-12A, R-12B and R-12C of the Municipal Planning Strategy, although the limitations placed on building height and units per building under policy R-12A shall not be applied;*

- (f) the allocation of housing and the massing and placement of buildings contributes to a sense of community vitality, energy conservation, surveillance of public spaces and provides an effective integration with established neighbourhoods;*
- (g) building locations, height, scale, site and architectural design, landscaping, and streetscape elements reinforce the themes of neighbourhood identity, pedestrian safety and compatibility with the natural environment;*
- (h) single unit dwelling lots have a minimum street frontage of 40 feet, a minimum area of 4,000 square feet, a minimum side yard of 4 feet, and a minimum separation of 12 feet between buildings;*
- (i) natural vegetation, landscaping or screening is employed around parking areas for institutional and multiple unit buildings to provide screening from streets and, for buildings containing forty-eight or more housing units, provision of underground parking or a structure allowing for stacked parking shall be a mandatory component of the on-site parking supply;*
- (j) Vegetation is maintained or landscaping measures, a fence or other physical barrier provided so as to provide a buffer between new developments and commercial or industrial developments which is effective in ensuring public safety and mitigating visual or noise impacts;*
- (k) all open space dedications proposed conform with the objectives and polices adopted for open space under this secondary planning strategy and any administrative guidelines adopted by the Municipality; and*
- (l) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*

The Community Commercial Centre

The Community Centre Designation envisions a built form with a diverse range of commercial, civic and residential activities. The following objectives are intended:

- to provide a focus for pedestrian oriented community and commercial activities with the community;
- to create a built form reminiscent of a town square or main street;
- to foster activities for all ages and a wide range of lifestyles in a safe and secure environment;

- to encourage innovative design and comprehensive planning;
- to support public transit.

Policy BW-33:

A range of community commercial, higher density residential, institutional, and recreational uses may be permitted within the Community Commercial Centre Designation shown on Schedule BW-7 subject to consideration of the following matters:

- (a) preference is given to limiting parking or loading areas between a building and the Kearney Lake Road or the Community Collector Road and any buildings with commercial occupancies should be located in close proximity to the street line;*
- (b) natural vegetation, landscaping or screening is employed around parking areas and measures are employed to provide safe and convenient pedestrian access to the buildings they are intended to serve;*
- (c) sidewalks and plazas are provided so as to encourage a secure and inviting walking environment throughout the commercial centre and to neighbouring residential neighbourhoods;*
- (d) provisions are made for the storage of bicycles;*
- (e) exterior materials, street furniture; trees, lighting and landscaping measures are incorporated in buildings to foster an interesting and secure environment;*
- (f) the windows, exterior features and materials and signs employed in any building create a sense of interest from public streets;*
- (g) the massing and height of buildings are consistent with and contribute to an pedestrian oriented environment;*
- (h) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*

The Community Commercial Centre Designation might also be ideally located for public transit and park and ride facilities which could be utilized by residents of neighbouring subdivisions, such as Kingswood and Blue Mountain, where direct transit provision is not feasible.

Policy BW-34:

The Municipality may enter into an agreement to lease or purchase lands within the Community Commercial Centre Designation for public transit and park-and-ride facilities on either a temporary or permanent basis. Site preference will be given to lands directly abutting a Community Collector Road and from which access from Kearney Lake Road or the Community Collector Road could be conveniently and safely secured. Such facilities may include parking structures.

Institutional

Sites have been reserved along the Community Collector Roads for schools or other civic buildings and parks. In the event that they are not needed for institutional purposes, the sites may be developed with residential uses.

Policy BW-35:

Lands designated Institutional on Schedule BW-7 are intended for development of schools or other civic buildings, such as libraries or churches, which could benefit from being located on a collector road at central locations within the community, as well as community parks. No development agreement shall be entered into if notified by the Halifax Regional District School Board that such lands are required for a school site. This provision shall remain in effect until the greater of five years from the date of entering into a development agreement for the development Sub-Area in which the site is located or building permits have been granted for 90 percent of the lots within the development Sub-Area. In the event that the School Board or the Municipality does not acquire the site within this time frame, the property may be developed with alternative institutional uses or with residential developments that are compatible with established residential neighbourhoods and which conform with the requirements of policy BW-31 and BW-32.

The Mixed Use Business Campus

The Mixed Use Business Campus Designation which encompasses both private and municipal lands adjacent to the Hammonds Plains Road/Bicentennial Highway interchange are strategically located for businesses that produce goods and services and employment opportunities for the region. A campus style environment is envisioned where employment centres are integrated with public facilities and public spaces. In recognition of market uncertainties, residential developments may also be considered.

Objectives:

- to provide places of employment within the community that are easily accessible from the Community Collector Streets and Trail System and by public transit;

- to support a mixed use environment where opportunities are afforded to live and work in the same community;
- to create a setting where buildings and transportation systems networks are attractively integrated with the natural environment;
- to encourage business opportunities by adopting an efficient and flexible regulatory environment;
- to encourage innovative subdivision and community design;
- to support public transit provision.

Policy BW-36:

The Mixed Use Business Campus designation, illustrated on Schedule BW-7, shall support a wide range of businesses which produce goods and services, recreational uses, hotels, institutional facilities and park-and-ride facilities. Limited provisions shall be made for retail uses, personal and household services and restaurants and standards shall be established for landscaping, architectural design, signs, parking, loading areas and driveway access. A zone shall be established under the Land Use By-law to implement this intent but granting of a municipal development permit shall also be subject to site plan approval. The following matters shall be considered in any site plan approval application:

- (a) outdoor storage or outdoor display and sales shall be limited and any outdoor waste containers shall be screened;*
- (b) open spaces are integrated into the layout and where feasible, larger trees are retained;*
- (c) landscaping is introduced to all areas disturbed during construction;*
- (d) preference is given to limiting parking spaces between a building and the front lot line and no loading bays shall be located on the building facade facing a public street;*
- (e) natural vegetation, landscaping or screening is employed around parking areas and measures are taken to allow for safe and convenient pedestrian access to public entrances of buildings;*
- (f) bicycle storage facilities are provided near the main entrances to the building and/or in designated public spaces;*
- (g) walkways shall extend from the entrances of buildings to a public sidewalk in front of the building and to any public trail system abutting the property and, unless otherwise not possible, shall not cross any driveways or parking areas;*

- (h) *buildings, structures and parking lots are located on a lot so as to minimize the alteration of natural grades and to minimize the area of impervious surfaces; and*
- (i) *a storm water management plan has been prepared by a Professional Engineer with any measures required to prevent the contamination of watercourses and, where possible, allows surface water flows to be directed to permeable surfaces.*

Policy BW-37:

Residential developments may be considered by development agreement within the Mixed Use Business Campus Designation. Consideration will be given to policy BW-32.

Policy BW-38:

Existing lots with frontage on the Hammonds Plains, which are vacant or developed with single unit dwellings, shall be zoned RSU (Single Unit Dwelling) Zone under the Land Use By-law. No rezonings or development agreements shall be considered.

Sub-Area 9:

These lands drain towards the proposed sewage pumping station at the outlet of Kearney Lake and encompasses the proposed connector road between Kearney Lake Road and the new Larry Uteck Boulevard interchange with the Bicentennial Highway. Lands in the vicinity of the interchange may be suitable for both community commercial and highway commercial uses. The remaining lands may be developed with residential uses. The steep slopes offer challenges to integrating development with the natural environment and opportunities to take advantage of the vistas of Kearney Lake and the forested regions to the west. Comprehensive planning over larger properties is therefore supported with the opportunity for public input in the planning and design process.

There are also a number of narrow, smaller properties with frontage on the Kearney Lake Road - a number of which have been developed with residences serviced by well and septic systems. Municipal sewer and water systems proposed for surrounding lands will be designed to allow for extensions to these properties. The current zoning applied to these lands shall be reviewed before any extensions are considered.

The capacity of the temporary pumping station and force main (directing sewage to the Mill Cove Treatment facility) has been sized to service both sub-areas 5 and 9 before a permanent pumping station and forcemain are required to direct sewage to the Halifax Treatment Facility (policy BW-16, clause (d)). An application may be made to service sub-area 9 from the temporary pumping station provided that all associated servicing costs are assumed by the developers (BW-20, clause (h)).

Policy BW-39:

A comprehensive development district zone shall be applied to larger undeveloped parcels within Sub-Area 9. Commercial uses may be considered on lands in the vicinity of the proposed interchange with consideration given to the criteria of policy BW-33, except that clause (a) shall not apply. Residential uses may be permitted on the remaining lands with consideration given to the criteria of policy BW-32. No development agreement application shall be considered for approval unless a public participation program has been undertaken to identify development opportunities and constraints and to facilitate collaboration in preparing a conceptual community design for the Sub-Area.

Policy BW-40:

The R-2 (Two Family Dwelling) Zone shall be applied to smaller parcels of land with frontage on the Kearney Lake Road. No municipal services shall be extended until such time as the zoning provisions have been reviewed in consultation with affected property owners. Such consultation shall also review the need to extend central services to these properties and the means of finance.

Sub-Areas 10 and 12:

These current zoning provisions shall be maintained on these lands until such time as municipal services can be extended. When service extensions can be made, a comprehensive development district zone shall be applied to all undeveloped lands within the Sub-Area to be serviced. Any future residential development shall be guided by the criterion of policy BW-32 and any commercial development shall be guided by policy.

Policy BW-41:

No municipal services shall be extended to existing developments within Sub-Areas 10 and 12 until consultations have been held with affected property owners to determine:

(a) the need for amendments to existing policies under the Municipal Planning Strategy and zoning regulations under the Land Use By-law;

(b) the need for municipal services and a means of finance.

Policy BW-42:

When municipal services are available for Sub-Areas 10 or 12, a comprehensive development district zone may be applied to undeveloped properties within the Sub-Area to be serviced. No development agreement application shall be considered for approval unless a public participation program has been undertaken to identify development opportunities and constraints and to facilitate collaboration in the preparation of a conceptual concept design for the entire Sub-Area. Any future residential development shall be guided by policy BW-32 and any commercial development shall be guided by policy BW-33.



**MAP 1: AMENDMENTS TO THE GENERALIZED FUTURE LAND USE
MAP FOR BEDFORD**



LANDS TO BE DESIGNATED "BEDFORD WEST SECONDARY PLANNING STRATEGY"

2. The Bedford Land Use By-law is hereby amended by:

(a) adding the following immediately following Part 10:

Part 10A Bedford South Comprehensive Development District (BSCDD) Zone

- 1) No development permit shall be issued for a development with a Bedford South Comprehensive Development District (BSCDD) Zone except in accordance with a development agreement approved pursuant to policies contained in the Bedford South Secondary Planning Strategy.

Part 10B Bedford West Comprehensive Development District (BSCDD) Zone

- 1) No development permit shall be issued for a development with a Bedford West Comprehensive Development District (BWCDD) Zone except in accordance with a development agreement approved pursuant to policies contained in the Bedford West Secondary Planning Strategy.

(b) replacing Part 19A with the following:

PART 19A BEDFORD WEST BUSINESS CAMPUS (BWBC) ZONE

No development permit shall be issued on lands within the "A" Area of the Bedford West Business Campus (BWBC) Zone, as illustrated on Schedule I, except for one or more of the following uses:

- a) Educational, research and development, and design facilities, excluding public schools;
- b) Laboratories and accessory research and processing facilities;
- c) offices
- e) Data processing and computer centres, including service and maintenance of electronic data processing equipment;
- f) Legal, medical, veterinarian, engineering, surveying, accounting, architectural, scientific and similar professional offices;
- g) Radio and television broadcasting stations as well as activities related to telecommunications research and development;
- h) Assembly, warehousing and distribution operations;
- i) Utility and public service facilities and uses needed to service the immediate vicinity;
- j) Recreational facilities;
- k) hotels and motels;
- l) Daycare and early childhood education centres;
- m) Special Care Facilities
- n) park and ride facilities
- o) Restaurant Full-Service, Restaurant Take-Out, and retail uses in association with any other permitted uses;

- p) Accessory buildings and use, including assembly operations limited to the development of prototypes, which are customarily incidental or specifically related to a principal permitted use are permitted.

No development permit shall be issued on lands within the “B” Area of the Bedford West Business Campus (BWBC) Zone, as illustrated on Schedule I, except for one or more of the following uses:

- a) all uses permitted within the “A” Area;
- b) retail stores;
- c) food stores not exceeding 5,000 square feet of gross floor area per business;
- d) personal and household service shops
- e) medical, veterinary and health service clinics, except outdoor kennels associated with veterinary clinics;
- f) banks and financial institutions;
- g) dry cleaning depots;
- h) automotive service and supplies centre/outlet;
- i) welding, plumbing and heating, electrical and other trade contracting or sales and service shops
- j) outdoor display and sales, excluding automobile sales;
- k) funeral homes;
- l) amusement centres;
- m) garden markets;
- n) billiards and snooker clubs;
- o) full service, take out and drive through restaurants;
- p) commercial recreation uses such as fitness clubs and other similar recreation uses.

SUBDIVISION AND BUILDING REQUIREMENTS

In any Bedford West Business Campus (BWBC) Zone no development permit shall be issued except in conformity with the following requirements:

Minimum Lot Area	43,560 sq.ft.(1 acre)
Maximum Lot Area for Area “B”.....	2 Hectares (5 Acres)
Minimum Lot Frontage	100 ft.
Minimum Front Yard or Flankage Yard	50 ft.
Minimum Rear Yard	20 ft.
Minimum Side Yard	20 ft.
Maximum Height of Building	52 ft.
Maximum Impervious Surface Coverage.....	75%

SPECIAL REQUIREMENTS

1. Restaurants and Retail Uses

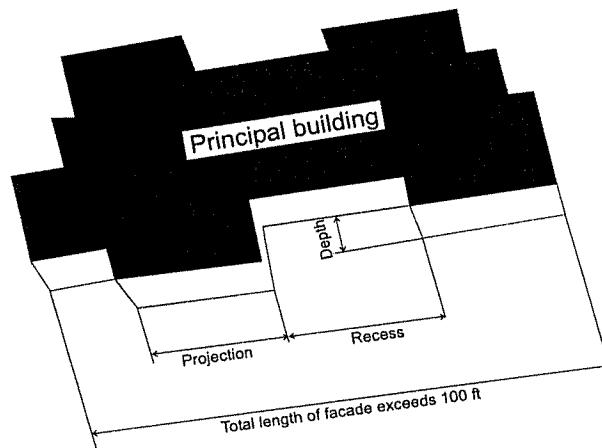
Within the "A" Area, no restaurant or retail use shall occupy more than ten percent (10%) of the gross floor area of a building except that a restaurant in association with a hotel or motel may occupy a maximum of twenty percent (20%) of the gross floor area of a building

2. Height

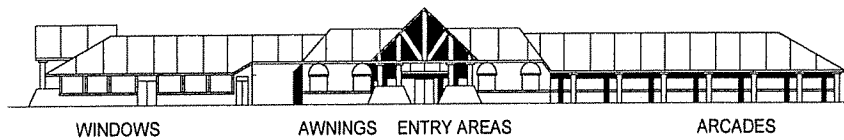
The maximum height for hotels and motels within the "A" Area shall be 75 ft.

3. Architectural Requirements

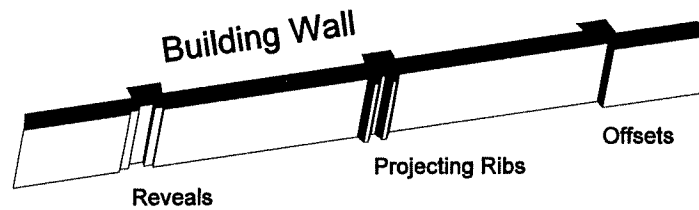
a) A combination windows, entry such features all building than 60% of facing a public



of arcades, display areas, awnings or other shall be incorporated into facades along not less their horizontal length street.



b) No length of any public street shall horizontal metres plane projections be incorporated greater than 30.5 metres (100 feet) measured having a depth of at least 3 of the length of the facade and extending at least 20% of the length of the facade.



interrupted facade facing a exceed 30.5 (100 feet). Wall or recesses shall into all facades horizontal in length, horizontally,

c) One clearly defined, visible entrance way shall be provided on the facade oriented to the public street shall be provided. The entrance way and front facade shall include no less than three of the following elements:

- (a) canopies or porticos
- (b) overhangs
- (c) recesses/projections
- (d) arcades
- (e) raised corniced parapets over the door
- (f) peaked roof forms
- (g) outdoor patios
- (h) display windows
- (i) architectural details such as tile work, and moldings which are integrated into the building
- (j) integral planters or wing walls that incorporate landscaped areas and sitting places; and
- (k) or any other similar architectural treatment deemed to be an acceptable equivalent;

d) Rooftop equipment, including, but not limited to, satellite and other telecommunication equipment, air handling units, elevator equipment, cooling towers and exhaust fans shall to be screened (visually). The screening shall include but not limited to parapets and enclosures. Building screens shall be part of the architectural design with similar detailing and materials and not appear as add-ons.

4. Landscaping

- a) A minimum of 25% of the property shall be landscaped. Landscaping shall include the retention of natural vegetation.
- b) At least 50% of the area between the street(s) and buildings shall be landscaped. Trimming and selective cutting of natural vegetation is permitted.
- c) A 15 foot landscape strip shall be installed along all street property lines, exclusive of driveways, walks and railroads rights-of-way. When the 15 foot landscape strip occurs between a parking area or vehicle manoeuvring area, loading area and the street, a landscape shrub screen of at least 50% opaqueness and a minimum of four feet in height within one year after installation is required. Mature trees at a maximum spacing of twenty feet may be substituted for or combined with a scrub screen. The landscaping may be calculated as part of the 25% landscaping requirement in (a) above.
- d) All other landscaped areas shall be grassed, or alternatively, natural ground covers such as water features, stone (washed or flat), mulch, perennials, annuals, may be utilized. Within the landscaped area, trees, walls made of natural materials, planters,

and shrubs shall be utilized and shall be planted at a rate of one (1) tree (minimum of 45mm caliber) and three (3) shrubs per 4.6 metres (15 feet) of lot frontage. Tree Species from Appendix A shall be utilized. Planting of one (1) tree and three (3) shrubs per 4.6 metres (15 feet) feet of lot frontage shall reflect a natural setting thereby grouping of trees and shrubs is encouraged.

- e) Existing trees and shrubs may be incorporated into the 6.1 metres (15 foot) landscaped strip, and where possible may be calculated as part of the one (1) tree and three (3) shrubs per 4.6 metres (15 feet) feet requirement specified under clause d).

5. Accessory Uses/Storage

- a) All permitted uses and accessory activities, including the storage of equipment or supplies used in any production or assembly shall be confined within an enclosed building. Accessory activities involving toxic or flammable products which cannot be located within an enclosed building shall be screened from view from all adjacent properties and public streets.
- b) External fuel storage tanks utilized as part of the heating equipment of an establishment or bulk storage of any materials used in any production or assembly shall be screened from view from all adjacent properties and public streets.
- c) All refuse shall be collected and stored in containers which shall be screened from view from all adjacent properties and public streets.
- d) Utility and public service facilities and uses need to service the immediate vicinity shall be screened from view from all adjacent properties and public streets.

6. Driveway Access

No use located within the "B" Area shall be permitted to have driveway access to the Hammonds Plains Road or to the Community Collector Road illustrated on Schedule I.

7. Parking

No parking spaces may be located within required yards, except that an area equivalent to not more than 50% of the total area of all required parking spaces may be located within a required yard for use as parking space for visitors, selected personnel and minor deliveries.

8. Loading

Notwithstanding the general loading space regulations in Part 5, Section 37, (General Provisions), the following shall apply:

- a) All loading must be on site and no on-street loading is permitted.
- b) Truck loading facilities shall be at the rear or side of the building and shall be screened from view from any adjacent residential property.

- c) Loading space areas, including driveways leading to such area, shall be paved with a dust free all-weather surface, be well drained and be of a strength adequate for the truck traffic expected.

9. Signage

Notwithstanding the general signage regulations in Part 5, Section 38, (General Provisions), the following shall apply:

- a) No more than two signs per business shall be permitted.
- b) Signs shall be restricted to advertising only the person, firm, company, or corporation operating the use conducted on the site or products sold therein.
- c) Signs shall have an area not to exceed one (1) square feet of surface for each one (1) foot of lineal frontage of building. However, no sign shall exceed one hundred (100) square feet per face.
- d) No more than one free-standing or ground mounted sign may be permitted per lot.
- e) Ground signs shall not exceed eight (16) feet above grade in vertical height and shall be setback a minimal of 10 feet from any street line.
- f) Businesses located in multiple tenant buildings may have a maximum of two (2) signs with a maximum of one (1) sign for each facade. Each sign shall not exceed an area equal to ten (10) percent of the business face upon which it is located. However, no sign shall exceed thirty-five (35) square feet in area.
- g) Directory listing signs: Detailed signs for multi-tenant buildings may list building tenants. The portion of the sign area devoted to such a listing shall be limited to 60% of the total permitted sign area, and the tenant listing shall be uniform in size, type, and lettering. It is understood, however, that tenant "logos" are permitted to be depicted on such signs, the size of the logo to be appropriate to the size of the sign lettering. Each sign shall not exceed twenty (20) feet in height.
- h) One temporary announcement/construction sign per lot is permitted during active construction of building. Announcement/construction signage shall not exceed 200 square feet in area per face.
- i) No signs shall be located on the roof of a building and billboards shall be prohibited.

Business Park Identification and Directory Signs

- j) Identification Sign: One identification sign with the park logo at each entrance or along each street abutting the boundaries of the tract shall be permitted. The maximum area of each sign face shall be one hundred and fifty (150) square feet.
- k) Directory Signs: Signs identifying companies in the research and development park shall be permitted within 300 feet from the maximum of two (2) major arterial streets. The sign(s) shall have a maximum height of twelve (12) feet and shall not exceed one hundred and fifty (150) square feet per face.
- l) A map locator directory sign identifying companies in a research and development park shall be permitted. A maximum of two (2) such signs shall be permitted within 300 feet

from the maximum of two (2) major arterial streets. The sign (s) shall have a maximum height of twelve (12) feet and shall not exceed one hundred and fifty (150) square feet per face.

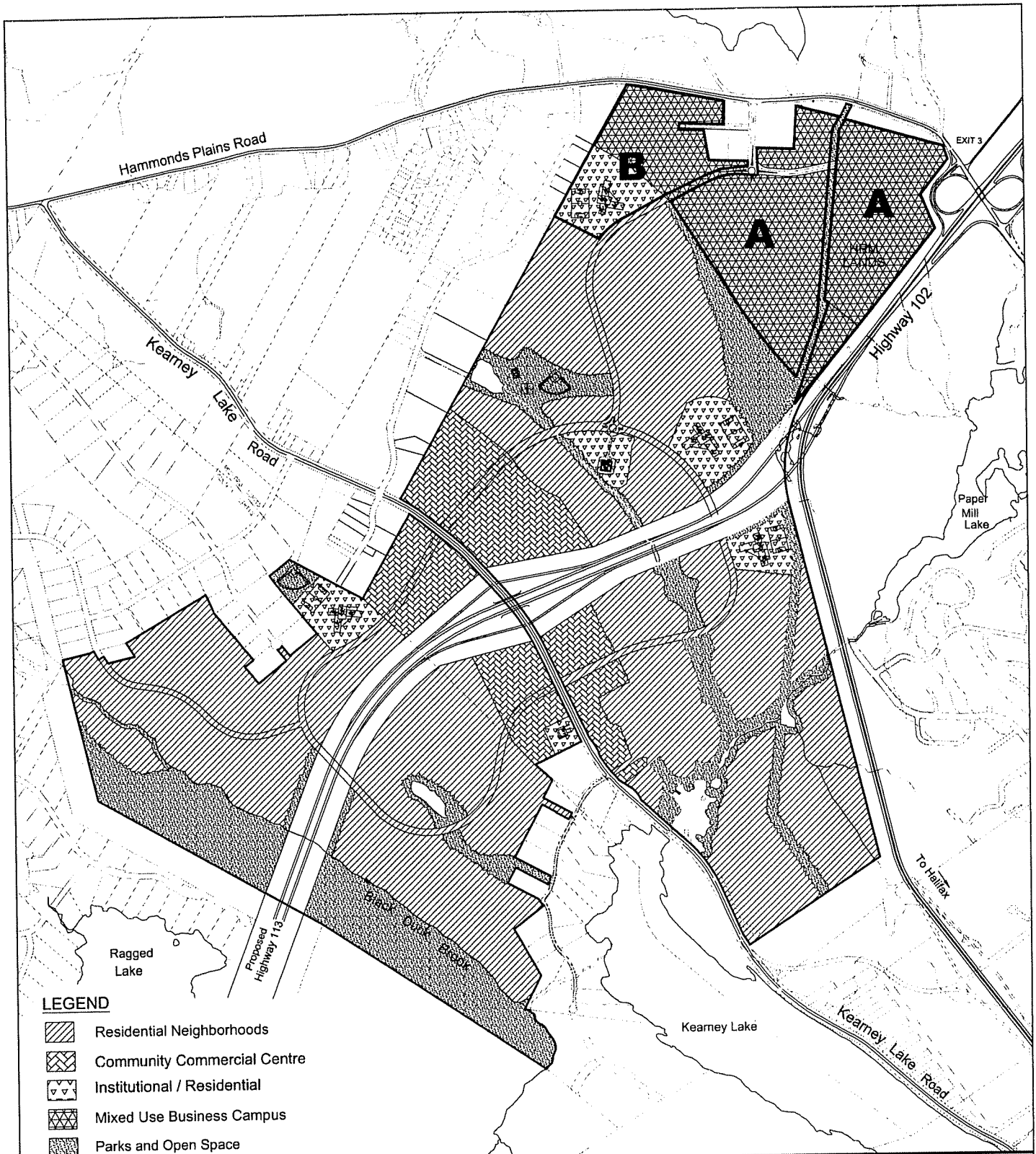
- m) Spaces on such directory signs allocated for company identification shall be of equal area, and letters and typeface must be of equal value and uniform throughout the sign.
- n) There shall be a maximum of two (2) directory signs.

10. Site Plan Approval


Site plan approval shall be required for any new development, excluding internal renovation or change in occupancy with no external renovations, within the Bedford West Business Campus (BWBC) Zone and no site plan approval shall be granted unless the following criterion are satisfied:

- a) no outdoor storage or outdoor display and sales shall be permitted within the "A" Area and any outdoor waste containers shall be screened in both Areas;
- b) open spaces are integrated into the layout and where feasible, larger trees are retained;
- c) landscaping is introduced to all areas disturbed during construction;
- d) preference is given to limiting parking spaces between a building and the front lot line and no loading bays shall be located on the building facade facing a public street;
- e) natural vegetation, landscaping or screening is employed around parking areas and measures are taken to allow for safe and convenient pedestrian access to public entrances of buildings;
- f) bicycle storage facilities are provided near the main entrances to the building or in designated public spaces;
- g) walkways shall extend from the entrances of buildings to a public sidewalk in front of the building and to any public trail system abutting the property and, unless otherwise not possible, shall not cross any driveways or parking areas;
- h) buildings, structures and parking lots are located on a lot so as to minimize the alteration of natural grades and to minimize the area of impervious surfaces; and
- i) a storm water management plan has been prepared by a Professional Engineer with any measures required to prevent the contamination of watercourses and, where possible, allows surface water flows to be directed to permeable surfaces.

(c) Amending Schedule A: Zoning Map in accordance with the rezonings illustrated on Map 2.



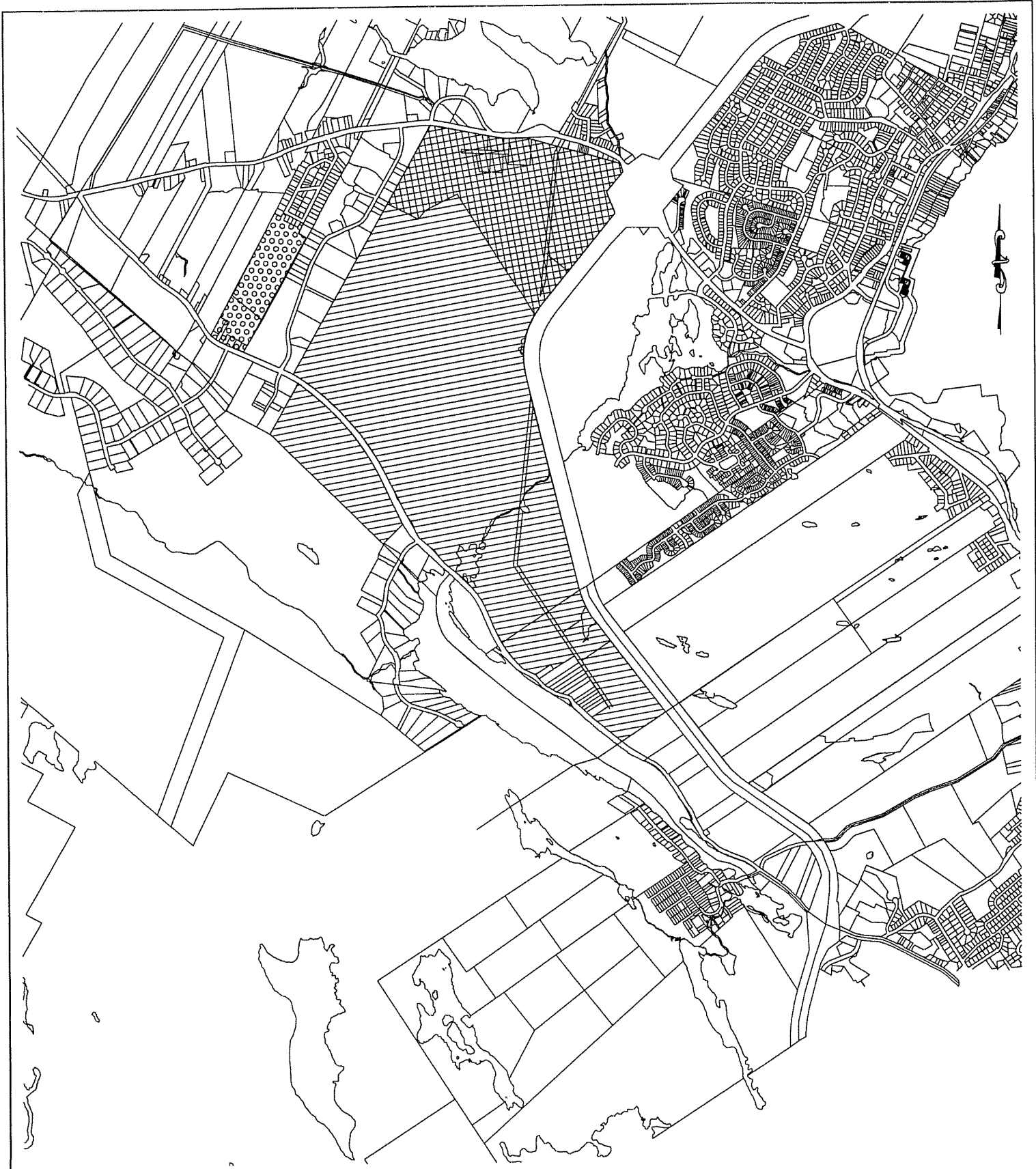
LEGEND

-  Residential Neighborhoods
-  Community Commercial Centre
-  Institutional / Residential
-  Mixed Use Business Campus
-  Parks and Open Space

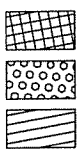
**COMMUNITY CONCEPT PLAN
BEDFORD WEST**

SCHEDULE I

FEBRUARY, 2006



MAP 2: AMENDMENTS TO SCHEDULE 'A': ZONING MAP FOR BEDFORD



LANDS TO BE REZONED TO BEDFORD WEST BUSINESS CAMPUS (BWBC) ZONE

LANDS TO BE REZONED TO RESIDENTIAL SINGLE UNIT (RSU) ZONE

LANDS TO BE REZONED TO BEDFORD WEST COMPREHENSIVE DEVELOPMENT DISTRICT (BWCCD) ZONE

**A By-law to Amend the Municipal Planning Strategy and Land Use
By-laws for Beaver Bank, Hammonds Plains and Upper Sackville**

1. The Municipal Planning Strategy for Beaver Bank, Hammonds Plains and Upper Sackville is hereby amended by:

- (a) revising the Generalized Future Land Use Map designations in accordance with the amendments presented on Map 3.
- (b) Inserting the following chapter immediately following the chapter entitled “The Glen Arbour Integrated Golf Course and Residential Community”:

THE BEDFORD WEST SECONDARY PLANNING STRATEGY

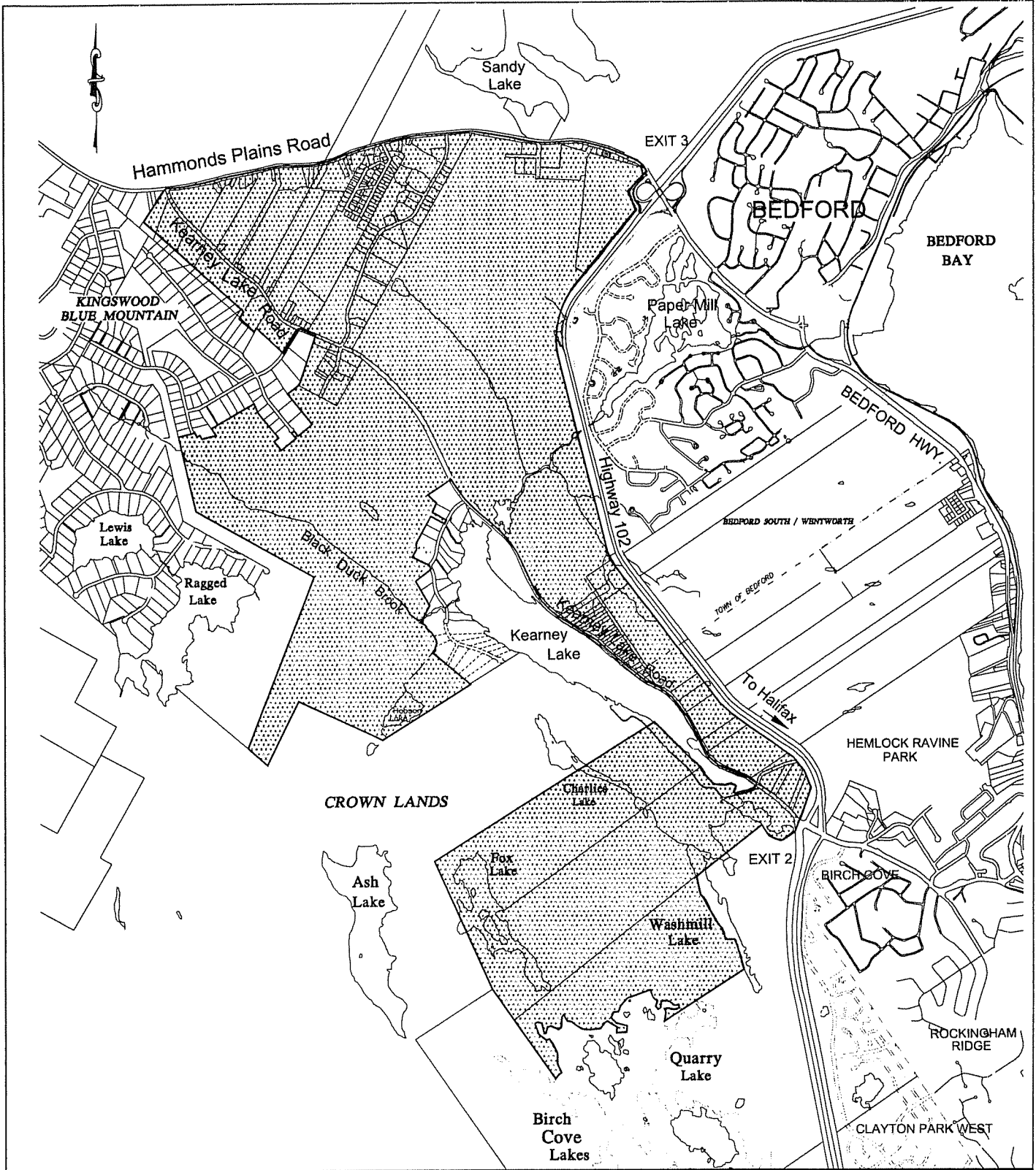
Background

In 2002, Regional Council directed that a master planning study be undertaken on lands on the west side of the Bicentennial Highway, in the vicinity of Hammonds Plains Road and Kearney Lake Road. The study was initiated in response to requests from two property owners to allow for development on municipal sewer and water services. Annapolis Group Ltd. owned approximately 1,200 acres and proposed to develop a comprehensively planned community while several family members requested municipal approvals to allow for a further 40 acre expansion of Peerless Subdivision with single unit dwellings.

In 2003, Council approved a study area boundary, study terms of reference and a public participation program¹. The study area boundaries, encompassing a total area of approximately 2,600 acres, are illustrated on Schedule BW-1. The terms of reference were to prepare conceptual community plans which:

- anticipate future community needs having regard for trends in demographics, housing affordability, building technologies, economics and social issues with specific consideration given to how the community proposed could fulfill a role in responding to needs within a regional context;
- integrate design with established neighbouring communities in terms of the natural and man made environment;

¹ Details can be found in a staff report re: Bedford West Master Plan (Project 00382), dated January 17, 2003 and presented at the February 25, 2003 session of Regional Council.



**STUDY AREA
BEDFORD WEST**

SCHEDULE BW-1

MARCH, 2005

- reduce travel time and energy requirements, encourage the use of public transit, pedestrian and cycling facilities and enhance public safety through innovative integration of land use components with the transportation and open space systems;
- preserve sensitive environmental areas and unique cultural features and respond to the opportunities and constraints imposed by the environment;
- maintain adequate service levels for municipal infrastructure (sanitary sewer, storm drainage, potable water and road systems) both within the area of new development and off-site while minimizing costs to all parties;
- allow for design flexibility in recognition of future changes to external circumstances/market conditions;
- minimize future demands on the Municipality's fiscal resources (capital and operating budgets) and provide fair and predictable cost-sharing of community infrastructure costs between the Municipality and individual property owners in terms of division and timing in accordance with the Municipality's Capital Cost Contribution Policy;
- provide policy guidance for more detailed negotiations with property owners/developers with specific consideration given to phasing of development with associated community infrastructure and the responsibilities of each party (property owners/developers and the Municipality).

A public participation committee was appointed with citizen representatives from Bedford, Hammonds Plains, and Prince's Lodge/Clayton Park. The committee's mandate was to ensure the public had opportunities to express opinions; collaborate with staff and developers in preparation of a plan; provide advice on policy and regulatory documents proposed; and confer with the Regional Planning Advisory Committee (the RPC).

The Bedford West master planning study was undertaken while a regional planning program that was being prepared under the supervision of the RPC. This secondary planning strategy has therefore been prepared in accordance with the master plan study terms of reference established by Council and in conformity with all relevant regional plan policies being proposed.

Environmental Protection

Lakes and Watercourses

A vast majority of the study area is within Paper Mill Lake watershed which includes Washmill Lake, Quarry Lake and Suzie Lake. Dam structures control water elevations at the outlets of Paper Mill Lake, Kearney Lake and Quarry Lake. The dams which remain under the ownership

of Annapolis Group have historically been used for power generation at a turbine on Moirs Mills. Today, the lakes are used for various recreational activities such as swimming, fishing and boating - activities which are highly valued by the surrounding communities and which are dependent upon maintenance of the dams.

Annapolis Group has entered into negotiations with the Province pertaining to the upgrading of the dams and has proposed that control gates be introduced for flood control and storm water management purposes. Two studies: *Bedford Dams Comprehensive Review* (SGE Acres, October 2003) and *Bedford West Stormwater Management Pre-Design Brief* (SGE Acres, March 2004) were submitted by Annapolis to the Province in support of this proposal.

The Municipality supports preservation of the dams and the introduction of flow control mechanisms which reduce flood risks and which further good stormwater management practices provided that lake levels are maintained within ranges needed to sustain recreation activities and maintain shoreline aesthetic. The Municipality also supports an ownership plan to ensure proper long term operation and maintenance of the dams.

Annapolis Group also had two further studies prepared in support of it's development proposal: *Water Quality Assessment of Water Bodies Contained in the Bedford West Planing Area Using a Phosphorous Loading Model Approach* (Dalhousie University Centre for Water Resource Studies, April 2004) and *Bedford West Planning Area: Subwatershed Management Plan* (Jacques Whitford, May 2004).

The first study concluded that best management practices may be needed both during development and afterward to maintain a water quality in the lakes that is satisfactory for recreational activities. Leaching from septic fields from existing development in adjacent areas may also contribute to phosphorous loading and mitigative measures may be needed over the long term. The study recommended that a monitoring program be established on lakes throughout the watershed.

The Jacques Whitford study examined the characteristics of the watershed and the proposed development and prepared guidance for more detailed stormwater management plans.

Objectives:

- to undertake storm water management planning on a watershed basis with community design based on natural drainage patterns;
- to prevent flooding of properties and safeguard flood plains;
- to preserve the water quality of lakes and rivers;
- to preserve groundwater flows;

- ❑ to support regional initiatives in solid waste recovery, Halifax Harbour remediation and watershed management.

Policy BW-1:

No development agreement shall be approved unless a master storm water management plan has been prepared, reviewed by the Bedford Waters Advisory Board and accepted by the Municipality. The management plan shall:

- a) identify significant constraints and sensitivities with regard to flood potential, and environmental features and provide appropriate protection measures;*
- b) provide estimates of pre-development and post development flow rates (where post development flow rate means the expected flow rates upon full build out of an area as permitted by the development agreement) at critical locations within watercourses such as at culverts and other road crossings and at downstream developments;*
- (c) outline the type and location of storm water management facilities and the approach to protecting receiving waters from contamination, excessive flow rates and loss of aquatic habitat and to protect the quantity and quality of groundwater flows; and*
- (d) conform with the recommendations of the Bedford West Planning Area Subwatershed Management Plan (Jacques Whitford: May 2004) unless otherwise acceptable to the Municipality and the Province.*

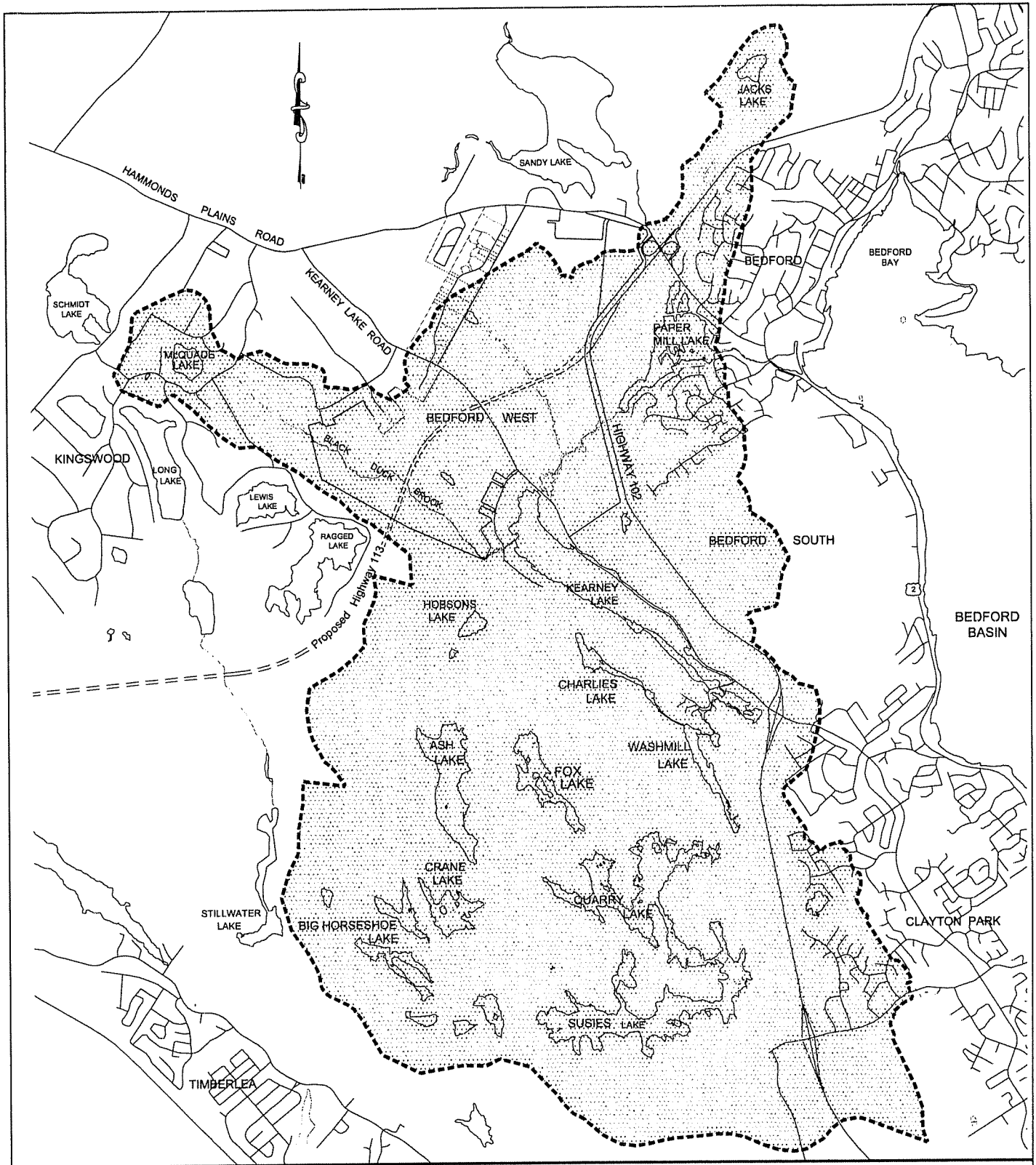
Policy BW-2:

No subdivision approvals shall be granted unless the detailed design specifications conform with the master stormwater management plan approved under policy BW-1.

Policy BW-3:

A water quality monitoring program shall be undertaken for the Paper Mill Lake watershed, illustrated on Schedule BW-2 to track the eutrophication process. The program is to be designed in accordance with national guidelines established by the Canadian Council for Ministers of the Environment (the CCME guidelines) and undertaken by a qualified persons retained by the Municipality and financed in whole or in part by developers within the watershed area. Specifics of the program are to be negotiated under the terms of a development agreement in consultation with the Bedford Watershed Advisory Board. The monitoring program shall:

- a) specify the duration of monitoring for the pre-construction, construction and post-construction phases of development. Pre-construction phase means a period of time before construction activity starts. Post-construction phase means a period of time that commences at full build out of the area permitted by a development agreement.*



**PAPERMILL LAKE WATERSHED
BEDFORD WEST**

SCHEDULE BW-2

MARCH, 2005

Construction phase means the full time period between the pre-construction and post-construction phase);

- (b) specify the physical and chemical water quality indicators to be measured, the location and frequency of testing and the format of submissions to the Municipality in each phase referenced under clause (a);*
- (c) establish physical and chemical water quality indicator threshold levels for the recreational uses of the lakes which would be used as a basis for reevaluating watershed management controls and future development potential within the area. The threshold indicators are to be established prior to any development approvals being granted;*
- (d) conform with all water quality policies, specifications, protocols and review and approval procedures approved by Regional Council.*

Policy BW-4:

Where the Community Council is satisfied that a development agreement application has been made for a development proposal which could not be reasonably expected to impact the quality of water within the Paper Mill Lake watershed, the requirements of policy BW-3 may be waived.

The Community Council shall seek the advice of the Bedford Watershed Advisory Board before granting any waiver.

Policy BW-5:

In the event that water quality threshold levels, as specified under clause (c) of policy BW-3, for Paper Mill Lake or Kearney Lake are reached, the Municipality shall undertake an assessment and determine an appropriate course of action respecting watershed management and future land use development in the area. An assessment shall consider the CCME guidelines. Water quality thresholds and any assessment reports shall be made available to the public.

Policy BW-6:

No stormwater shall be discharged directly into any natural watercourse without the use of mitigative measures as stipulated in under the stormwater management plan and in accordance with municipal and provincial guidelines.

Policy BW-7:

No development, grade alteration, excavation, fill, pavement or removal of natural vegetation shall be permitted within one hundred (100) feet of the high water mark, or within the limits

of any 1 in 20 year flood plain of Kearney Lake, Kearney Lake Run or Black Duck Brook or within sixty-six (66) feet of the high water mark of any other watercourse, or within the limits of any 1 in 20 year flood plain of any watercourse, except as provided for by development agreement in accordance with an approved water management plan approved pursuant to the provisions of policy BW-9 or as provided to allow for trail systems, transportation crossings or utilities.

Preservation of Trees and Environmentally Significant Features:

Objectives:

- to identify, preserve and maintain significant environmental features;
- to protect riparian buffer areas around lakes and watercourses;
- to minimize site disturbance, maximize tree retention and to restore trees over area which have been disturbed by development activities

Policy BW-8:

No development agreement shall be entered into over lands on which trees have been removed except:

- (a) as may be required for a bonafide land survey;*
- (b) to satisfy any provincial or federal requirements; or*
- (c) where, in the opinion of Council, the extent of such cutting would not preclude achieving the three objectives stated above.*

Policy BW-9:

Within any watercourse protection setback established under policy BW-7, no vegetation or soil shall be removed or altered unless a management plan has been approved to provide for restoration of vegetation, shoreline access paths, habitat management, safety and welfare or shoreline recreation where such provisions may be made without adversely affecting the primary purpose of preserving water quality in the lake. Any study or management plan submitted pursuant to this clause shall be prepared by a person qualified to make the required determinations and an approval procedure shall be established under the terms of a development agreement.

Policy BW-10:

Wetlands, lakes, watercourses, endangered species habitat and any other features of environmental significance shall be delineated as non-disturbance areas under development agreements. Non-disturbance areas shall be located to allow for continuity of non-disturbance areas on abutting lots, municipal parkland and open space dedications, and natural areas adjacent to watercourses.

Policy BW-11:

A tree replanting program shall be incorporated into development agreements. The program shall specify the locations, number, type and diameter of trees to be planted. The type of trees shall be indigenous to Nova Scotia.

Policy BW-12:

Development of major land areas on slopes in excess of twenty-five percent (25%) shall be prohibited under any development agreement except where it can be demonstrated that such development would not create any hazard and could better preserve open spaces or areas of environmental value.

Policy BW-13:

The Municipality may allow for modifications to the service system specifications adopted under subdivision regulations where such modifications would enhance the ability to preserve the natural environment without compromising the intended objectives of the service systems.

Municipal Services

The feasibility of servicing the Bedford West area was examined and compared to ten other potential development areas around the metropolitan area under the regional planning program. A study concluded that Bedford West was one of two study areas with minimal constraints to development and had low servicing costs per acre².

Servicing costs were deemed low because there was already considerable infrastructure in the area which could be utilized for new development. The transmission main from the Pockwock Lake water supply to Halifax extends along Kearney Lake Road making a potable water supply readily available. Halifax Regional Water Commission had previously commissioned a study to

² CBCL Ltd. & Marshall Macklin Monaghan. *Final Report: Greenfield Areas Servicing Analysis Report*. Prepared for Halifax Regional Municipality. July 2004.

determine infrastructure needed to service this area³.

Traffic from Bedford West is easily accessible to the Bicentennial Highway - a principle arterial road for the region - via interchanges at the Hammonds Plains Road and Kearney Lake Road and from a future interchange proposed with Larry Uteck Boulevard. Annapolis Group Ltd., the major land owner within the Bedford West study area, prepared a transportation plan which concluded that minimal investment in transportation infrastructure would be required by the Municipality to facilitate development of this area⁴. The study identified transportation upgrades needed and a phasing plan.

Through the regional planning program, the Municipality has sought to encourage alternative transportation modes to the automobile. Bedford West is well situated to integrate with regional transit and trail systems and consideration was given to how the community could be designed to take advantage of these attributes.

Bedford West could be connected to either the municipal sanitary collection sewer system which is discharged to Mill Cove treatment plant or to the system which will discharge to the new Halifax treatment plant. In both instances, sewage would have to be pumped to existing gravity mains in the Hammonds Plains Road (discharging to Mill Cove) or in Kearney Lake Road (Halifax system). Careful consideration was given to available capacities for new development when allocating sewage flow from Bedford West to each of these systems.

A development phasing plan has been developed which integrates various servicing needs and, in accordance with the Municipality's capital cost contribution policy, an infrastructure charge area will be established under the subdivision by-law to recover the costs of infrastructure needed to accommodate new development.

Objectives:

- to ensure that the municipal servicing systems are designed to satisfy the ultimate demands anticipated from this community and that services are phased with development to provide satisfactory service levels at all times;
- to employ service standards that are economical and innovative, and that achieve municipal objectives and policies, including public safety, healthy lifestyles and environmental protection;
- to safeguard the capacity of the Halifax and Mill Cove sewage treatment plants;

³ CBCL Ltd. *Birch Cove North/Bedford West Water Infrastructure Master Plan*. Prepared for Halifax Regional Water Commission. February 1999.

⁴MRC Delphi. *Bedford West Master Plan: Transportation Study*. February 2004.

- to facilitate the safe and convenient movement of pedestrians and cyclists within the community and to surrounding neighbourhoods;
- to allow for a convenient and cost efficient public transit system that can provide a high level of service to residents in the community and which can integrate with the regional public transit system;
- to encourage synergy between land uses, lifestyle needs and transportation modes;
- to minimize motor vehicle traffic impacts on the regional transportation system;
- to preclude excessive traffic levels in residential neighbourhoods;
- to allow for efficient access to places of commerce and employment in the community;
- to recover the cost of new infrastructure needed to service development within the secondary plan areas in accordance with the capital cost contribution policy adopted by the Municipality.

Water and Sanitary Sewer Systems:

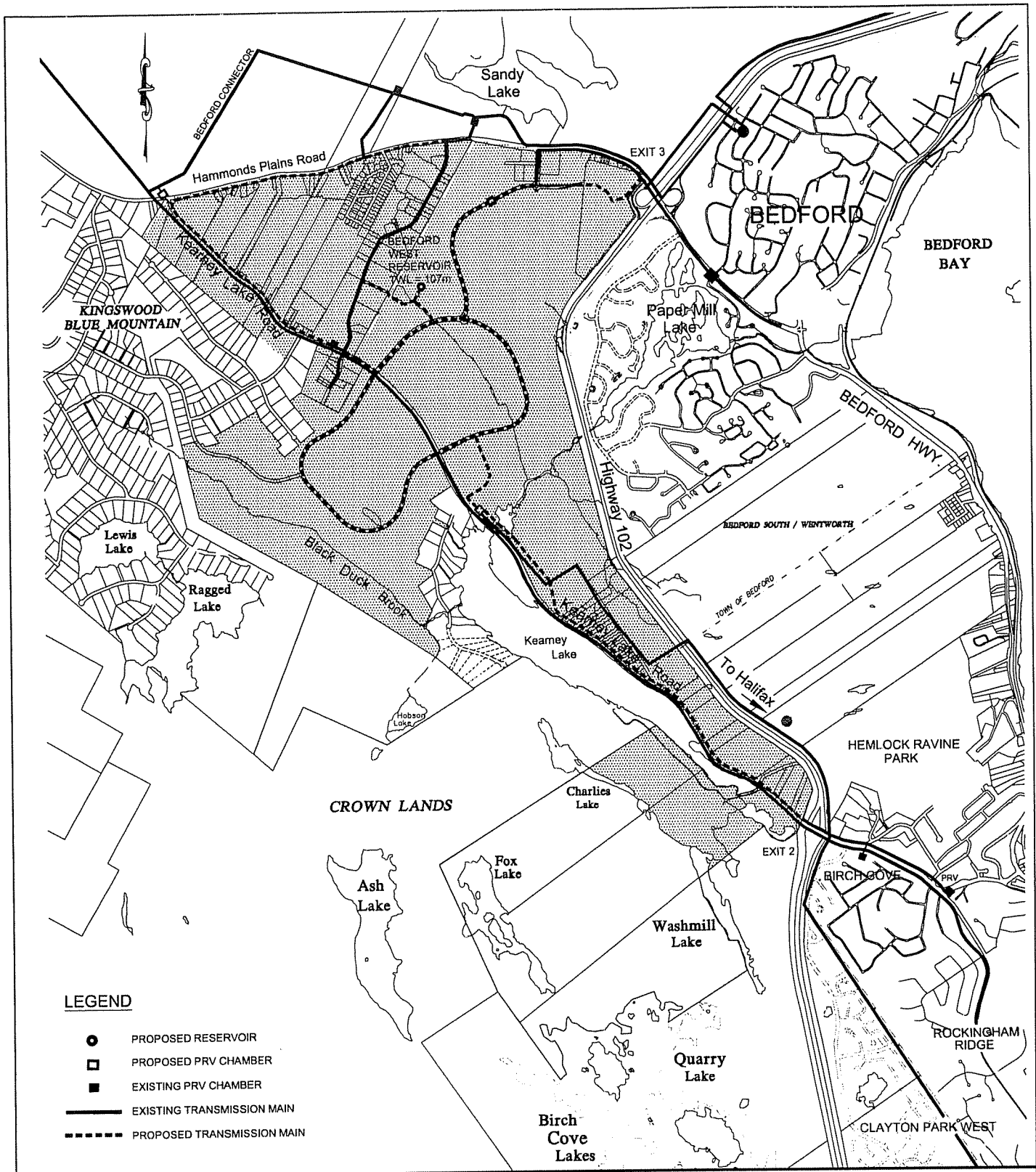
Policy BW-14:

The water distribution system shall conform with the recommendations of the Birch Cove North/ Bedford West Water Master Infrastructure Plan (CBCL, 1999) and with the system schematics illustrated on Schedule BW-3 unless otherwise acceptable to the Halifax Regional Water Commission and no development shall be approved by the Municipality unless notified by the Commission that the proposed distribution system conforms with all design and operating specifications established.

Policy BW-15:

The sanitary sewer system shall be designed in conformity with the schematics illustrated on Schedule BW-4 and in accordance with the Municipality's Service Systems Specifications, as amended from time to time. Sewage flow calculations, shall be based on an assumed occupancy of 3.35 persons per single unit, two-unit or townhouse dwelling and 2.25 persons per unit in each multiple unit dwelling; 50 persons per acre for general commercial uses within the Community Commercial Centre shown on Schedule BW-7 or proposed within Sub-Area 9; and 40 persons per acre for mixed use business campus uses; and 30 persons per acre for local commercial, community facility and institutional uses⁵.

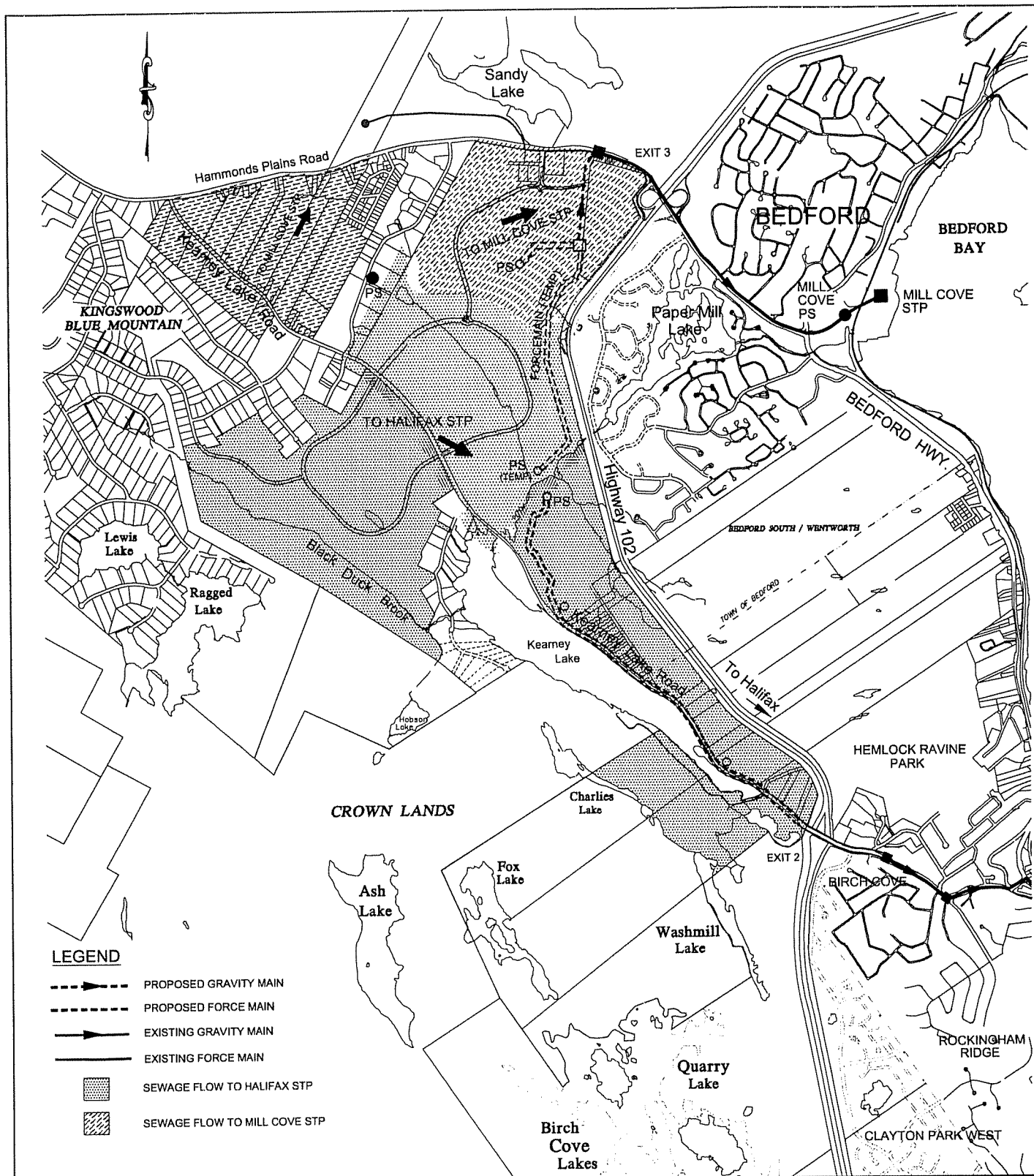
⁵ For the purposes of this Secondary Planning Strategy, all density calculations are based on gross area.



**WATER SERVICE SYSTEM
BEDFORD WEST**

SCHEDULE BW-3

MARCH, 2005



**SANITARY SEWER SERVICING
BEDFORD WEST**

SCHEDULE BW-4

JULY 04, 2005
REVISED OCT. 11, 2005

Policy BW-16:

Based on the assumed occupancies under policy BW-15 and the phasing plan illustrated on schedule BW-6, the sanitary sewer system shall be designed to satisfy the following conditions:

- (a) a maximum density of 50 persons per acre shall be permitted for all lands designated community commercial centre within Sub-Areas 7 and 8 as illustrated on schedule BW-7;*
- (c) For all other Sub-Areas or part thereof, a maximum density of 20 person per acre shall be permitted; and*
- (d) the temporary pumping station and forcemain, illustrated as "PS (TEMP)" and "FORCEMAIN (TEMP)" on schedule BW-4, shall be permitted to service a maximum of 6,100 persons where upon the permanent pumping station and forcemain along the Kearney Lake Road must be designed and constructed to service all lands intended to flow to the Halifax Sewage Treatment Plant (as illustrated on schedule BW-4) . This requirement may be waived if:
 - (i) the financing for the construction for the permanent pumping station and forcemain has been secured by the Municipality and a time frame for construction agreed upon; and*
 - (ii) there is sufficient capacity remaining in the temporary pumping station and forcemain to allow for additional sewage discharge to the Mill Cove Sewage Treatment Plant.**

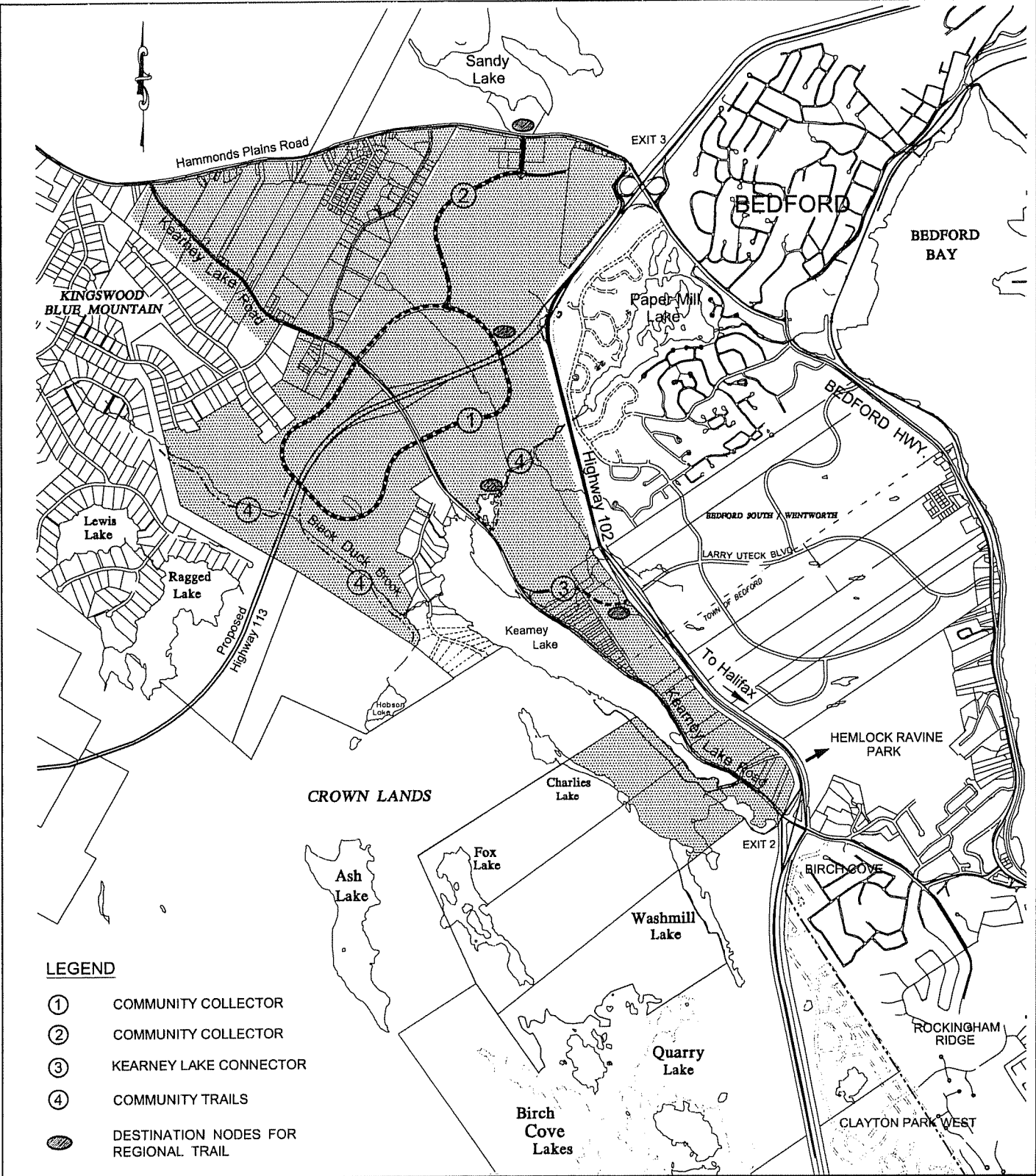
In the event that any Sub-Area is not developed to the maximum permitted density, the Municipality may consider allowing the difference to be allocated to another Sub-Area provided that the development proposal conforms will all other policies established under this secondary planning strategy.

Transportation:

Policy BW-17:

A community street and trail system shall be developed in substantial conformity with the designations and alignments presented on Schedule BW-5 except that variations to the alignment may be considered to enhance safety, provide a better fit with the natural terrain, mitigate surface runoff or preserve significant environmental features. The following requirements shall be applied:

- (a) the connector road from Kearney Lake Road to the Larry Uteck Drive interchange shall be designed with a right-of-way width sufficient to allow for two lanes of through traffic*



**TRANSPORTATION SYSTEM
BEDFORD WEST**

SCHEDULE BW-5

with turning lanes at intersections. Direct driveway access shall be restricted to commercial developments in the vicinity of the interchange and all other access shall be restricted to street intersections. The need for sidewalks will be determined at the time a street plan is submitted in association with a development agreement for Sub-Area 9 as illustrated on Schedule BW-6;

- (b) the Community Collector Road shall be designed as an urban minor collector with sufficient right-of-way width for two lanes of traffic, turning lanes, where required, and sidewalks on both sides. Direct driveway access shall be restricted to commercial developments, apartment buildings, institutions and clustered housing developments comprised of at least eight housing units with one driveway access to the Community Collector Road. One or more rotaries may be permitted;*
- (c) community trail systems shall be constructed by the developer of the lands on which it is located with the design specifications negotiated under a development agreement. Trails shall be designed and constructed in accordance with the Guidelines of the Nova Scotia Trails Federation unless otherwise acceptable to the Municipality. Variations to the Municipal Service Specifications for sidewalks may be considered where a trail is proposed which would provide improved accessibility for pedestrian travel in the community; and*
- (d) phasing of transportation system upgrades shall be undertaken in accordance with the recommendations of the Transportation Plan (MRC Delphi, February 2004) unless otherwise agreed to by the Municipality and the Province.*

Policy BW-18:

The Municipality shall prohibit motorized conveyances on all trails, except maintenance, emergency or patrol vehicles, and except electric wheelchairs or similar devices required for mobility by persons with disabilities.

Policy BW-19:

Variations to municipal service system standards may be considered where such variations conform with the principles set forth in the Transportation Association of Canada's "A New Vision for Urban Transportation" or any other guidelines or policies acceptable to the Municipality. Consideration shall be given to the objectives and policies established under this Municipal Planning Strategy, public safety, environmental and lifestyle factors, and capital and operating costs as well as other benefits to the Municipality, such as construction of trail systems on public lands.

Development Phasing and Cost Recovery

Policy BW-20:

A development Sub-Area plan is established for this secondary plan area as illustrated on Schedule BW-6 in which the following conditions shall apply:

- (a) Any approvals within Sub-Areas 1 to 12 will also be contingent upon availability of capacity within municipal service systems;*
- (b) any development agreement entered into within Sub-Areas 2 to 8 and 12 shall include provisions for all new development intended within the Sub-Area;*
- (c) no municipal approvals will be granted for Sub-Areas 7, 8 and 9 until the Highway 102/Larry Uteck Drive interchange and Kearney Lake Road connector are constructed or financing has been secured and a time frame for completion agreed upon;*

Policy BW-21:

In accordance with the provisions and requirements of the Municipality's Infrastructure Charges Best Practice Guide and Part II of this Municipal Planning Strategy, an infrastructure charge area shall be established under the Subdivision By-law over the area governed by this Secondary Planning Strategy and no subdivision approvals shall be granted until infrastructure charges are in effect.

Land Use

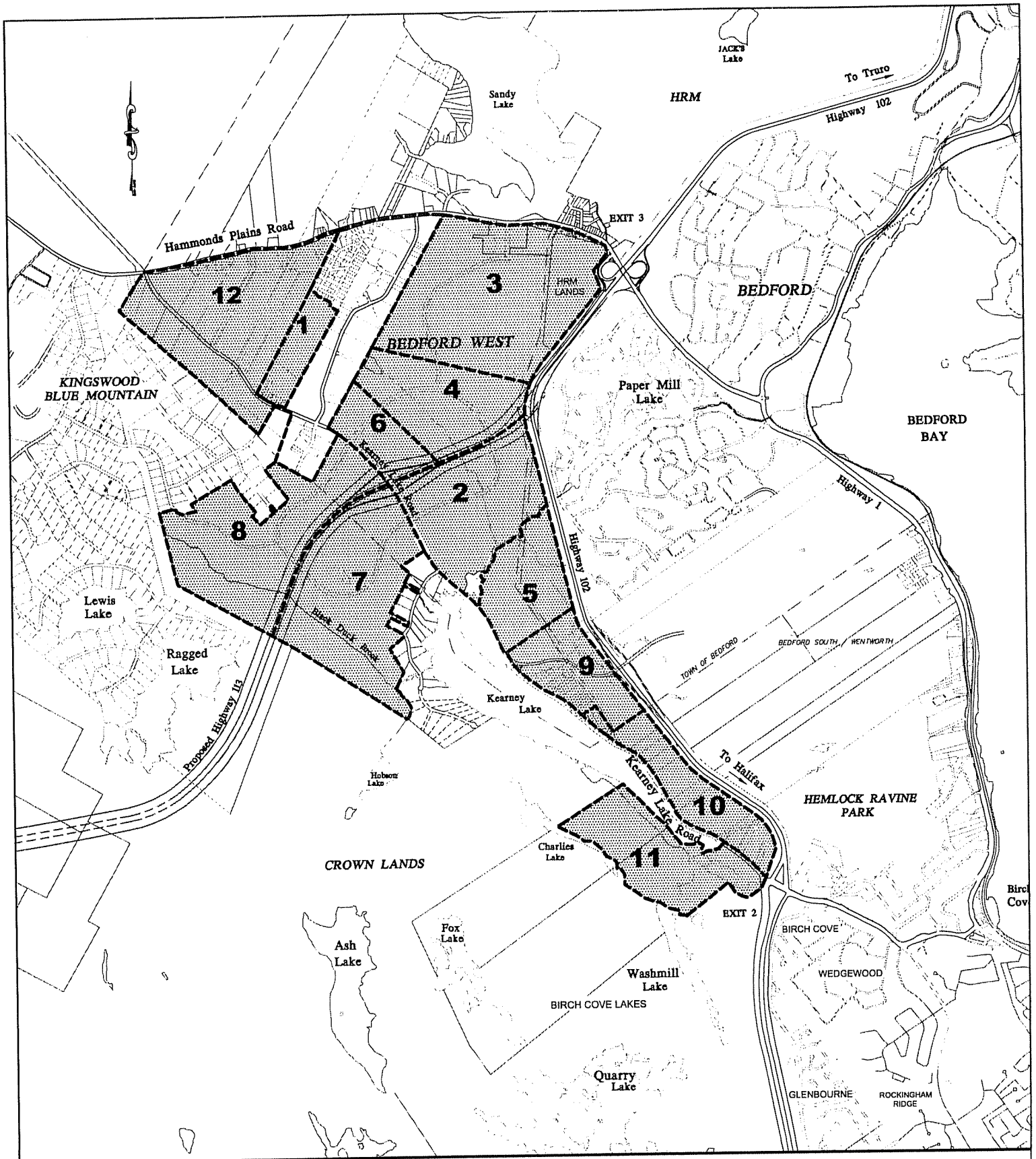
The following development guidelines are based on Schedule BW-6: Development Phasing.

The Community Concept Plan (Sub-Areas 2, 3, 4, 6, 7, and 8)

A Community Concept Plan has been prepared over lands owned by Annapolis Group Inc. - the major land owner within the master plan study area, as well as a 50 acre parcel owned by the Municipality adjacent to the Hammonds Plains Road/Bicentennial Highway interchange. The Plan, presented as Schedule BW-7, illustrates the main land use and transportation elements proposed.

The design principles incorporated into the plan are highlighted as follows:

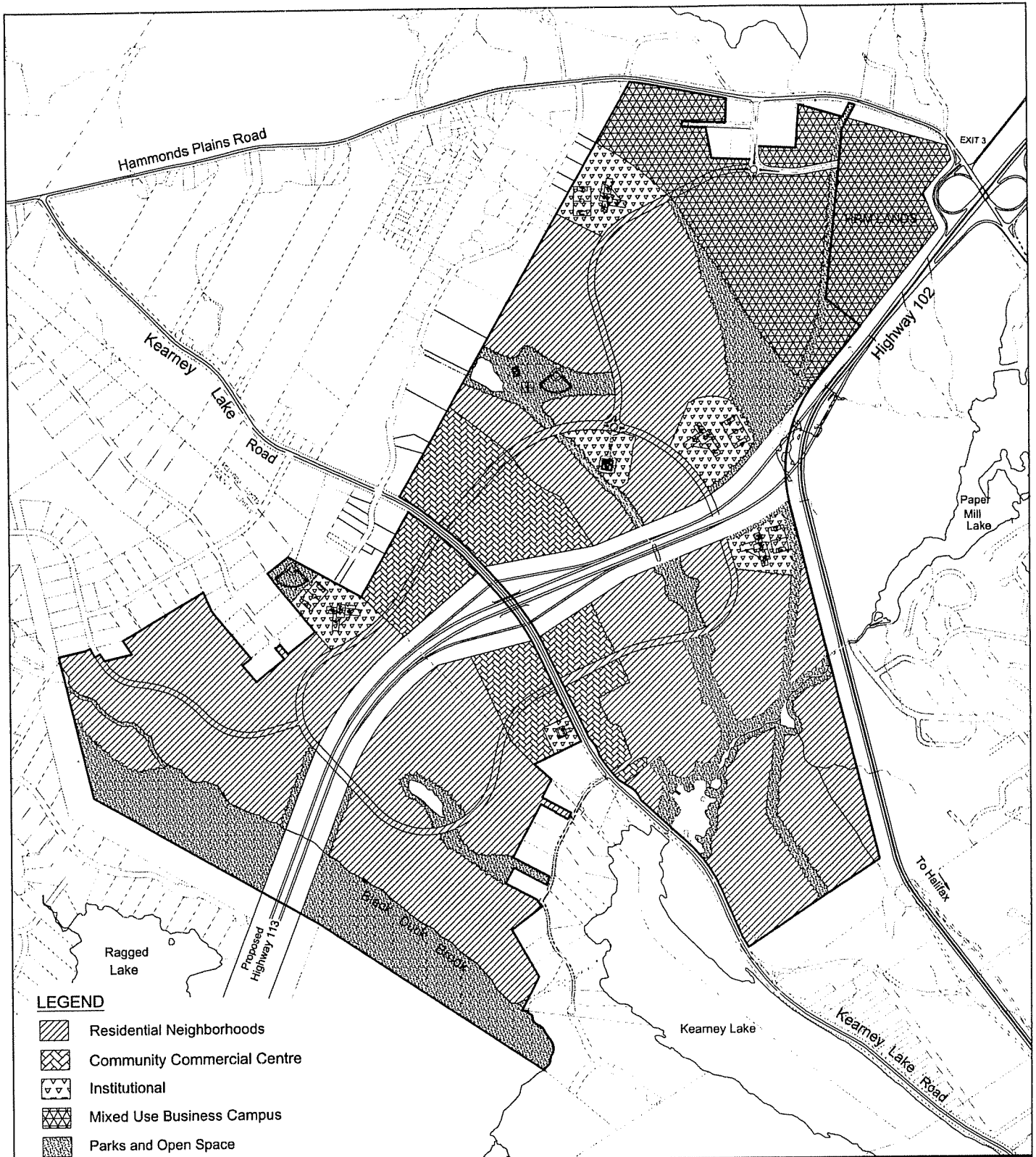
- Lands needed for daily living activities - housing, shops, workplaces, schools, parks, and civic facilities - are integrated within the community;
- The community collector streets facilitate efficient public transit routes which can provide a high level of service to the residential neighbourhoods and activity centres within the community and which conveniently connect with the regional transit system;



DEVELOPMENT SUB-AREAS
BEDFORD WEST

SCHEDULE BW-6

JULY 04, 2005
REVISED OCT. 11, 2005



COMMUNITY CONCEPT PLAN

BEDFORD WEST

SCHEDULE BW-7

APRIL 3, 2006

- ❑ Lands bordering Kearney Lake and Kearney Lake Run which are valued by the community for their aesthetics and recreational potential have been reserved for public uses;
- ❑ A sidewalk and trail system extends throughout the community which connects residents to the park system, commercial and other activity centres, and a future regional trail system which would extend from Clayton Park to Jacks Lake;
- ❑ The street system has been designed to prevent external traffic from traveling on local streets while accommodating pedestrians and cyclists throughout the community;
- ❑ The residential neighbourhoods encompass lands of varying topography allowing for differing identities and a range of housing opportunities within each;
- ❑ Lands have been allocated for a mixed use business campus adjacent to the Hammonds Plains Road/Bicentennial Highway which can potentially provide employment opportunities for residents of Bedford West and the surrounding community without introducing additional traffic on local residential streets.

The Community Concept Plan provides guidance for the overall development of this community. More detailed objectives and polices for each element are presented in the following sections.

Policy BW-22:

The Community Concept Plan, presented as Schedule BW-7, shall form the framework for land use allocation within the master plan area and all policies and actions taken by the Municipality shall conform with the intent of this plan. A comprehensive development district zone shall be applied to all lands within the community concept plan area and any development of the land shall be subject to approval of a development agreement. In the event that the lands allocated for the proposed Highway 113 right-of-way are not required by the Province for a highway, then the lands may be used for development permitted within the abutting land use designation.

Policy BW-23:

To facilitate a variety of housing types and achieve both the overall density and open space allocations envisioned by the Regional Plan, consideration may be given to varying development standards established under the Municipal Planning Strategy and Land Use By-law. More specifically standards pertaining to lot area, lot frontage, lot coverage, setbacks and building height may be varied to reflect the uniqueness of each Sub-Area, the market being targeted and the theme of that Sub-Area.

Parks and Open Space

The Open Space Designation encompasses lands around the major watercourses traversing the study area - Kearney Lake, Kearney Lake Run and Black Duck Brook - as well as smaller watercourses. These lands offer opportunities for recreational activities, environmental protection and preservation of areas which are highly valued for their aesthetics. Within these areas, paths for pedestrians and cyclists are proposed as well as facilities for passive recreational activities.

Areas for active playgrounds are more centrally located. Four sites have been reserved for schools along the community collector road where sports fields and playgrounds would be suitably located. Neighbourhood parks are to be integrated within residential areas.

Policy BW-24:

The areas designated as Open Space on Schedule BW-7 shall be reserved for recreational uses, conservation uses including stormwater management and environmental protection. Provided that the area of the designation is not materially reduced, the boundaries of the Open Space Designation may be varied where such changes provide:

- (a) enhanced protection of environmentally sensitive site features;*
- (b) more opportunity for preservation of significant aesthetic features;*
- (c) more suitable lands for recreational uses; or*
- (d) a more functional trail system for pedestrians and cyclists.*

The intended purpose of all open spaces shall be identified and agreed to in a development agreement application. Lands within the Open Space Designation may be allocated to satisfy the Municipality's Subdivision By-law requirements for parkland dedication.

Policy BW-25:

Street crossings of the Open Space Designation shall be minimized and any trail development within a watercourse buffer zone established under policy BW-7 shall be subject to the requirements of policy BW-9.

Policy BW-26:

No stormwater management, sanitary sewer or water service system shall be located within the Open Space Designation which would adversely affect environmentally sensitive areas, detract from the aesthetics of the area or impair any recreational functions intended.

Policy BW-27:

In the event that the Municipality is unable to determine whether any undertaking will adversely affect environmentally sensitive areas, the Municipality shall require that an environmental impact analysis be undertaken at the cost of the developer by a person qualified to make such a determination and as selected or agreed upon by the Municipality.

Policy BW-28:

The development of all recreational facilities shall conform with the HRM Guidelines for Parkland Planning adopted by Council.

Policy BW-29:

Prior to any subdivision approval being granted, the developer shall prepare a recreation facilities plan for the development of recreational facilities for lands to be conveyed to the Municipality for parkland and open space dedication. The plan shall consider facility requirements in relation to present and future community needs, safety and convenience, environmental protection or enhancement, financial resources and phasing.

Policy BW-30:

Community parks are intended to be located on lands reserved for schools within the Institutional/Residential designation shown on Schedule BW-7. In the event that schools are not developed on these lands, the Municipality may require that these lands or portions thereof be reserved for community parks.

Residential Neighbourhoods

The following objectives have been identified for residential development within this community:

- to plan neighbourhood development on a comprehensive basis;
- to support and integrate housing opportunities for a variety of income levels, lifestyles and age groups;
- to foster individual neighbourhood identities with attractive streetscapes and distinctive architectural and landscaping themes;
- to preserve natural drainage systems and areas of unique or sensitive terrain and vegetation and to encourage development designed to suit the natural terrain and reduce negative impacts on the natural environment;

- ❑ to provide attractive, comfortable and convenient routes for pedestrians and cyclists that connect with the community trail system, local commercial and community facilities and public transit stops;
- ❑ to provide neighbourhood parks at convenient locations that are comfortable, visible and conform with the principles of crime prevention through environmental design (CPTED);
- ❑ to encourage innovative design within clearly defined performance criterion;
- ❑ to provide an effective integration with established neighbourhoods and to provide for adequate buffers from abutting commercial and industrial developments.

Policy BW-31:

The following matters shall be considered for all development agreement applications within a Residential Neighbourhood Designation shown on Schedule BW-7:

- (a) the density of housing units shall not exceed six units per acre per Sub-Area except that if the maximum density permitted in one development Sub-Area is not achieved, the Municipality may consider transferring the difference between the maximum permitted and actual number of housing units to another development Sub-Area provided all policy criterion can be satisfied and the housing density does not exceed seven units per acre in any development Sub-Area;*
- (b) community facilities such as schools, churches and day care centres and businesses that provide goods and services at a neighbourhood level, such as convenience stores, may be permitted within a residential neighbourhood. Convenience stores shall be encouraged to locate at intersections with a Community Collector Street and at transit stops;*
- (c) sidewalks and pathways facilitate comfortable and convenient pedestrian travel to transit stops on the Community Collector Street System, the Community Trail System and to community services;*
- (d) the design of neighbourhood streets facilitate shared use by cyclists and encourage safe vehicular speeds and discourage short-cutting and excessive speeds by automobiles while enabling direct routes for pedestrians and cyclists;*
- (e) a variety of housing types is provided within each Sub-Area and distributed so as to avoid a congested appearance of streetscapes;*
- (f) the allocation of housing and the massing and placement of buildings contributes to a sense of community vitality, energy conservation, surveillance of public spaces and provides an effective integration with established neighbourhoods;*

- (g) building locations, height, scale, site and architectural design, landscaping, and streetscape elements reinforce the themes of neighbourhood identity, pedestrian safety and compatibility with the natural environment;*
- (h) single unit dwelling lots have a minimum street frontage of 40 feet, a minimum area of 4,000 square feet, a minimum side yard of 4 feet, and a minimum separation of 12 feet between buildings;*
- (i) natural vegetation, landscaping or screening is employed around parking areas for institutional and multiple unit buildings to provide screening from streets and, for buildings containing forty-eight or more housing units, provision of underground parking or a structure allowing for stacked parking shall be a mandatory component of the on-site parking supply;*
- (j) Vegetation is maintained or landscaping measures, a fence or other physical barrier provided so as to provide a buffer between new developments and commercial or industrial developments which is effective in ensuring public safety and mitigating visual or noise impacts;*
- (k) all open space dedications proposed conform with the objectives and polices adopted for open space under this secondary planning strategy and any administrative guidelines adopted by the Municipality; and*
- (l) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*

The Community Commercial Centre

The Community Centre Designation envisions a built form with a diverse range of commercial, civic and residential activities. The following objectives are intended:

- to provide a focus for pedestrian oriented community and commercial activities with the community;
- to create a built form reminiscent of a town square or main street;
- to foster activities for all ages and a wide range of lifestyles in a safe and secure environment;
- to encourage innovative design and comprehensive planning;
- to support public transit.

Policy BW-32:

A range of community commercial, higher density residential, institutional, and recreational uses may be permitted within the Community Commercial Centre Designation shown on Schedule BW-7 subject to consideration of the following matters:

- (a) preference is given to limiting parking or loading areas between a building and the Kearney Lake Road or the Community Collector Road and any buildings with commercial occupancies should be located in close proximity to the street line;*
- (b) natural vegetation, landscaping or screening is employed around parking areas and measures are employed to provide safe and convenient pedestrian access to the buildings they are intended to serve;*
- (c) sidewalks and plazas are provided so as to encourage a secure and inviting walking environment throughout the commercial centre and to neighbouring residential neighbourhoods;*
- (d) provisions are made for the storage of bicycles;*
- (e) exterior materials, street furniture; trees, lighting and landscaping measures are incorporated in buildings to foster an interesting and secure environment;*
- (f) the windows, exterior features and materials and signs employed in any building create a sense of interest from public streets;*
- (g) the massing and height of buildings are consistent with and contribute to an pedestrian oriented environment;*
- (h) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*

The Community Commercial Centre Designation might also be ideally located for public transit and park and ride facilities which could be utilized by residents of neighbouring subdivisions, such as Kingswood and Blue Mountain, where direct transit provision is not feasible.

Policy BW-33:

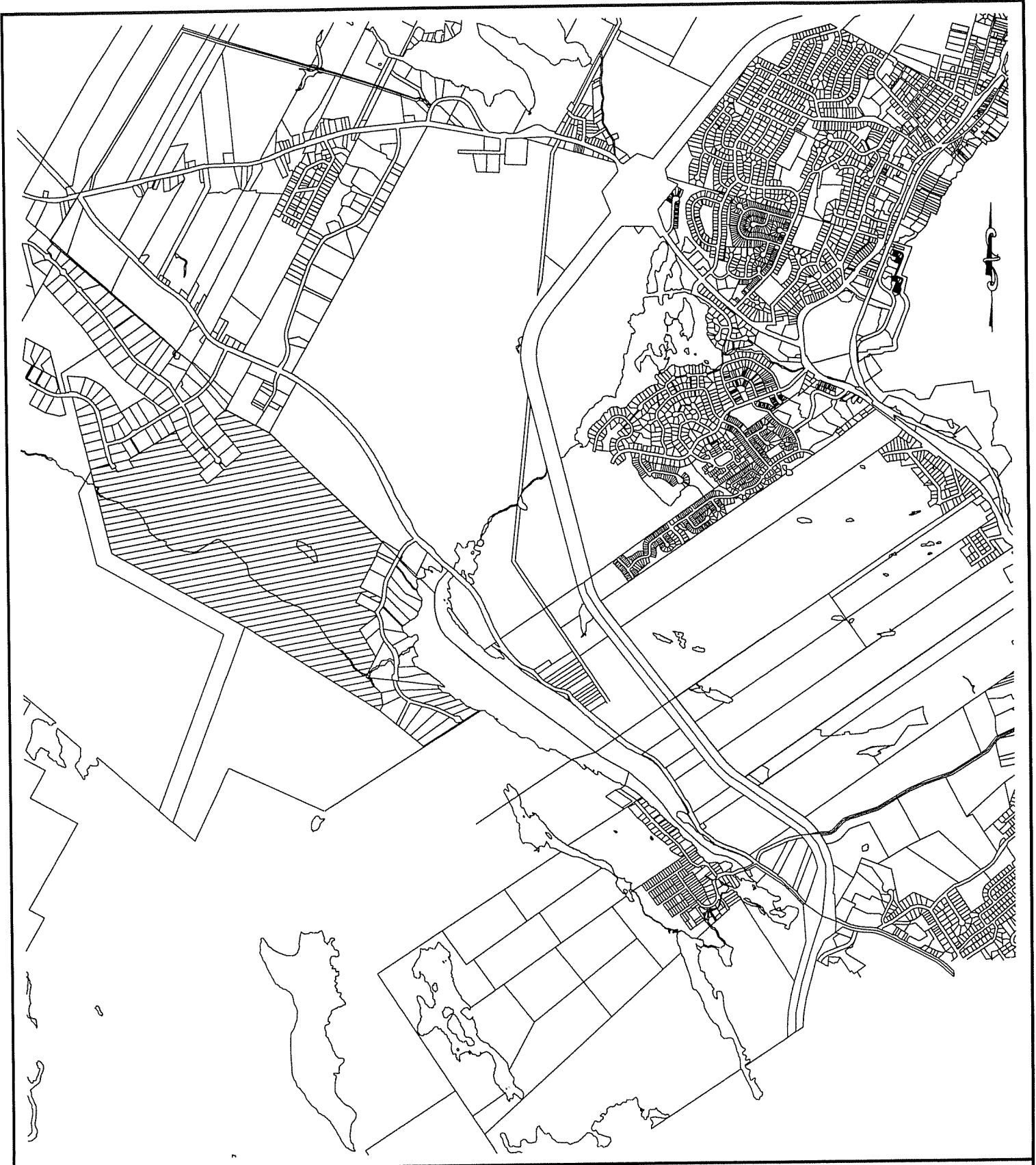
The Municipality may enter into an agreement to lease or purchase lands within the Community Commercial Centre Designation for public transit and park-and-ride facilities on either a temporary or permanent basis. Site preference will be given to lands directly abutting a Community Collector Road and from which access from Kearney Lake Road or the Community Collector Road could be conveniently and safely secured. Such facilities may include parking structures.

Institutional

Sites have been reserved along the Community Collector Roads for schools or other civic buildings and parks. In the event that they are not needed for institutional purposes, the sites may be developed with residential uses.

Policy BW-34:

Lands designated Institutional on Schedule BW-7 are intended for development of schools or other civic buildings, such as libraries or churches, which could benefit from being located on a collector road at central locations within the community, as well as community parks. No development agreement shall be entered into if notified by the Halifax Regional District School Board that such lands are required for a school site. This provision shall remain in effect until the greater of five years from the date of entering into a development agreement for the development Sub-Area in which the site is located or building permits have been granted for 90 percent of the lots within the development Sub-Area. In the event that the School Board or the Municipality does not acquire the site within this time frame, the property may be developed with alternative institutional uses or with residential developments that are compatible with established residential neighbourhoods and which conform with the requirements of policy BW-30 and BW-31.



MAP 3: AMENDMENTS TO THE GENERALIZED FUTURE LAND USE MAP FOR BEAVERBANK, HAMMONDS PLAINS AND UPPER SACKVILLE



LANDS TO BE DESIGNATED BEDFORD WEST SECONDARY PLANNING STRAEGITY

2. The Land Use By-law for Beaver Bank, Hammonds Plains and Upper Sackville is hereby amended by:

(a) adding the following immediately following Part 26D:

Part 26E Bedford South Comprehensive Development District (BSCDD) Zone

1) No development permit shall be issued for a development with a Bedford West Comprehensive Development District (BWCDD) Zone except in accordance with a development agreement approved pursuant to policies contained in the Bedford West Secondary Planning Strategy.

(b) Amending the Zoning Map accordance with the rezonings illustrated on Map 4.



MAP 4: AMENDMENTS TO THE ZONING MAP FOR BEAVERBANK, HAMMONDS PLAINS AND UPPER SACKVILLE



LANDS TO BE REZONED TO BEDFORD WEST COMPREHENSIVE DEVELOPMENT DISTRICT (BWCCD) ZONE

**A By-law to Amend the Municipal Planning Strategy for Halifax
and Land Use By-law for Mainland Halifax**

1. The Municipal Planning Strategy for Halifax is hereby amended by:
 - (a) revising the Generalized Future Land Use Map designations in accordance with the amendments presented on Map 5.
 - (b) Inserting the following chapter immediately following Part II, Section XIV:

SECTION XV: THE BEDFORD WEST SECONDARY PLANNING STRATEGY

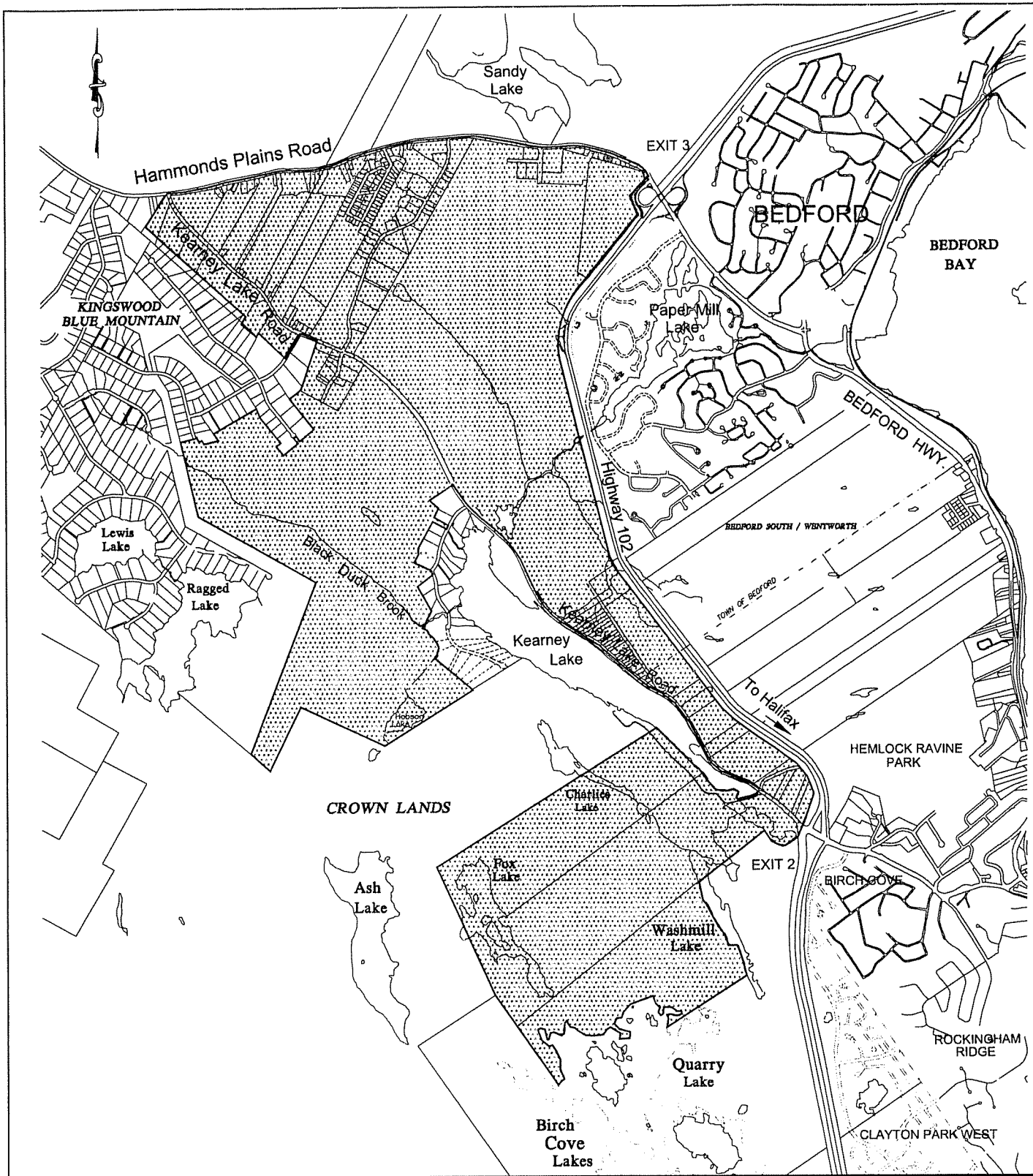
Background

In 2002, Regional Council directed that a master planning study be undertaken on lands on the west side of the Bicentennial Highway, in the vicinity of Hammonds Plains Road and Kearney Lake Road. The study was initiated in response to requests from two property owners to allow for development on municipal sewer and water services. Annapolis Group Ltd. owned approximately 1,200 acres and proposed to develop a comprehensively planned community while several family members requested municipal approvals to allow for a further 40 acre expansion of Peerless Subdivision with single unit dwellings.

In 2003, Council approved a study area boundary, study terms of reference and a public participation program¹. The study area boundaries, encompassing a total area of approximately 2,600 acres, are illustrated on Schedule BW-1. The terms of reference were to prepare conceptual community plans which:

- anticipate future community needs having regard for trends in demographics, housing affordability, building technologies, economics and social issues with specific consideration given to how the community proposed could fulfill a role in responding to needs within a regional context;
- integrate design with established neighbouring communities in terms of the natural and man made environment;
- reduce travel time and energy requirements, encourage the use of public transit, pedestrian

¹ Details can be found in a staff report re: Bedford West Master Plan (Project 00382), dated January 17, 2003 and presented at the February 25, 2003 session of Regional Council.



**STUDY AREA
BEDFORD WEST**

SCHEDULE BW-1

MARCH, 2005

and cycling facilities and enhance public safety through innovative integration of land use components with the transportation and open space systems;

- preserve sensitive environmental areas and unique cultural features and respond to the opportunities and constraints imposed by the environment;
- maintain adequate service levels for municipal infrastructure (sanitary sewer, storm drainage, potable water and road systems) both within the area of new development and off-site while minimizing costs to all parties;
- allow for design flexibility in recognition of future changes to external circumstances/market conditions;
- minimize future demands on the Municipality's fiscal resources (capital and operating budgets) and provide fair and predictable cost-sharing of community infrastructure costs between the Municipality and individual property owners in terms of division and timing in accordance with the Municipality's Capital Cost Contribution Policy;
- provide policy guidance for more detailed negotiations with property owners/developers with specific consideration given to phasing of development with associated community infrastructure and the responsibilities of each party (property owners/developers and the Municipality).

A public participation committee was appointed with citizen representatives from Bedford, Hammonds Plains, and Prince's Lodge/Clayton Park. The committee's mandate was to ensure the public had opportunities to express opinions; collaborate with staff and developers in preparation of a plan; provide advice on policy and regulatory documents proposed; and confer with the Regional Planning Advisory Committee (the RPC).

The Bedford West master planning study was undertaken while a regional planning program that was being prepared under the supervision of the RPC. This secondary planning strategy has therefore been prepared in accordance with the master plan study terms of reference established by Council and in conformity with all relevant regional plan policies being proposed.

Environmental Protection

Lakes and Watercourses

A vast majority of the study area is within Paper Mill Lake watershed which includes Washmill Lake, Quarry Lake and Suzie Lake. Dam structures control water elevations at the outlets of Paper Mill Lake, Kearney Lake and Quarry Lake. The dams which remain under the ownership of Annapolis Group have historically been used for power generation at a turbine on Moirs Mills.

Today, the lakes are used for various recreational activities such as swimming, fishing and boating - activities which are highly valued by the surrounding communities and which are dependent upon maintenance of the dams.

Annapolis Group has entered into negotiations with the Province pertaining to the upgrading of the dams and has proposed that control gates be introduced for flood control and storm water management purposes. Two studies: *Bedford Dams Comprehensive Review* (SGE Acres, October 2003) and *Bedford West Stormwater Management Pre-Design Brief* (SGE Acres, March 2004) were submitted by Annapolis to the Province in support of this proposal.

The Municipality supports preservation of the dams and the introduction of flow control mechanisms which reduce flood risks and which further good stormwater management practices provided that lake levels are maintained within ranges needed to sustain recreation activities and maintain shoreline aesthetic. The Municipality also supports an ownership plan to ensure proper long term operation and maintenance of the dams.

Annapolis Group also had two further studies prepared in support of it's development proposal: *Water Quality Assessment of Water Bodies Contained in the Bedford West Planing Area Using a Phosphorous Loading Model Approach* (Dalhousie University Centre for Water Resource Studies, April 2004) and *Bedford West Planning Area: Subwatershed Management Plan* (Jacques Whitford, May 2004).

The first study concluded that best management practices may be needed both during development and afterward to maintain a water quality in the lakes that is satisfactory for recreational activities. Leaching from septic fields from existing development in adjacent areas may also contribute to phosphorous loading and mitigative measures may be needed over the long term. The study recommended that a monitoring program be established on lakes throughout the watershed.

The Jacques Whitford study examined the characteristics of the watershed and the proposed development and prepared guidance for more detailed stormwater management plans.

Objectives:

- to undertake storm water management planning on a watershed basis with community design based on natural drainage patterns;
- to prevent flooding of properties and safeguard flood plains;
- to preserve the water quality of lakes and rivers;
- to preserve groundwater flows;

- ❑ to support regional initiatives in solid waste recovery, Halifax Harbour remediation and watershed management.

Policy BW-1:

No development agreement shall be approved unless a master storm water management plan has been prepared, reviewed by the Bedford Waters Advisory Board and accepted by the Municipality. The management plan shall:

- a) identify significant constraints and sensitivities with regard to flood potential, and environmental features and provide appropriate protection measures;*
- b) provide estimates of pre-development and post development flow rates (where post development flow rate means the expected flow rates upon full build out of an area as permitted by the development agreement) at critical locations within watercourses such as at culverts and other road crossings and at downstream developments;*
- (c) outline the type and location of storm water management facilities and the approach to protecting receiving waters from contamination, excessive flow rates and loss of aquatic habitat and to protect the quantity and quality of groundwater flows; and*
- (d) conform with the recommendations of the Bedford West Planning Area Subwatershed Management Plan (Jacques Whitford: May 2004) unless otherwise acceptable to the Municipality and the Province.*

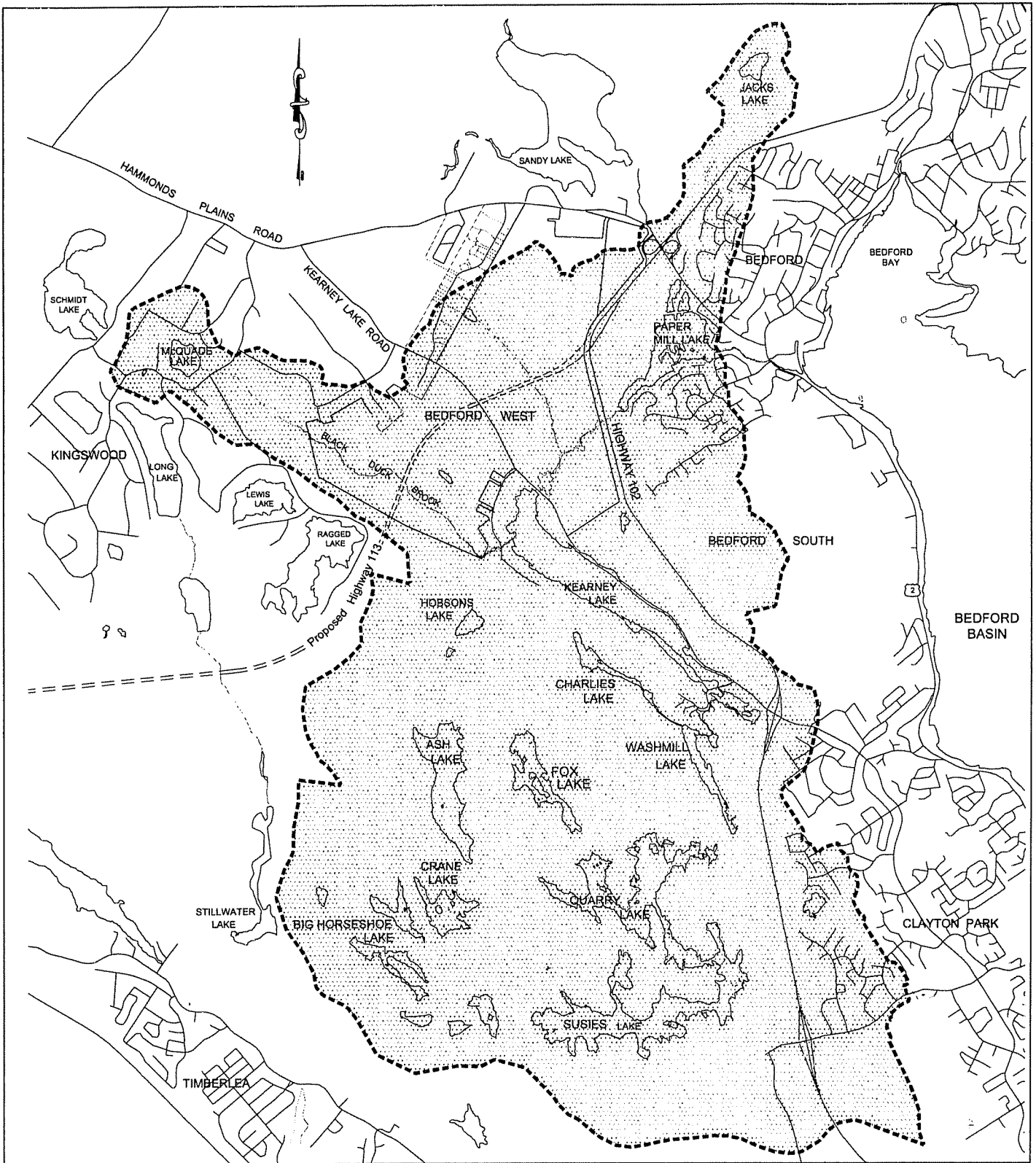
Policy BW-2:

No subdivision approvals shall be granted unless the detailed design specifications conform with the master stormwater management plan approved under policy BW-1.

Policy BW-3:

A water quality monitoring program shall be undertaken for the Paper Mill Lake watershed, illustrated on Schedule BW-2 to track the eutrophication process. The program is to be designed in accordance with national guidelines established by the Canadian Council for Ministers of the Environment (the CCME guidelines) and undertaken by a qualified persons retained by the Municipality and financed in whole or in part by developers within the watershed area. Specifics of the program are to be negotiated under the terms of a development agreement in consultation with the Bedford Watershed Advisory Board. The monitoring program shall:

- a) specify the duration of monitoring for the pre-construction, construction and post-construction phases of development. Pre-construction phase means a period of time before construction activity starts. Post-construction phase means a period of time that commences at full build out of the area permitted by a development agreement.*



PAPERMILL LAKE WATERSHED

BEDFORD WEST

SCHEDULE BW-2

MARCH, 2005

Construction phase means the full time period between the pre-construction and post-construction phase);

- (b) specify the physical and chemical water quality indicators to be measured, the location and frequency of testing and the format of submissions to the Municipality in each phase referenced under clause (a);*
- (c) establish physical and chemical water quality indicator threshold levels for the recreational uses of the lakes which would be used as a basis for reevaluating watershed management controls and future development potential within the area. The threshold indicators are to be established prior to any development approvals being granted;*
- (d) conform with all water quality policies, specifications, protocols and review and approval procedures approved by Regional Council.*

Policy BW-4:

Where the Community Council is satisfied that a development agreement application has been made for a development proposal which could not be reasonably expected to impact the quality of water within the Paper Mill Lake watershed, the requirements of policy BW-3 may be waived.

The Community Council shall seek the advice of the Bedford Watershed Advisory Board before granting any waiver.

Policy BW-5:

In the event that water quality threshold levels, as specified under clause (c) of policy BW-3, for Paper Mill Lake or Kearney Lake are reached, the Municipality shall undertake an assessment and determine an appropriate course of action respecting watershed management and future land use development in the area. An assessment shall consider the CCME guidelines. Water quality thresholds and any assessment reports shall be made available to the public.

Policy BW-6:

No stormwater shall be discharged directly into any natural watercourse without the use of mitigative measures as stipulated in under the stormwater management plan and in accordance with municipal and provincial guidelines.

Policy BW-7:

No development, grade alteration, excavation, fill, pavement or removal of natural vegetation shall be permitted within one hundred (100) feet of the high water mark, or within the limits

of any 1 in 20 year flood plain of Kearney Lake, Kearney Lake Run or Black Duck Brook or within sixty-six (66) feet of the high water mark of any other watercourse, or within the limits of any 1 in 20 year flood plain of any watercourse, except as provided for by development agreement in accordance with an approved water management plan approved pursuant to the provisions of policy BW-9 or as provided to allow for trail systems, transportation crossings or utilities.

Preservation of Trees and Environmentally Significant Features:

Objectives:

- to identify, preserve and maintain significant environmental features;
- to protect riparian buffer areas around lakes and watercourses;
- to minimize site disturbance, maximize tree retention and to restore trees over area which have been disturbed by development activities

Policy BW-8:

No development agreement shall be entered into over lands on which trees have been removed except:

- (a) as may be required for a bonafide land survey;*
- (b) to satisfy any provincial or federal requirements; or*
- (c) where, in the opinion of Council, the extent of such cutting would not preclude achieving the three objectives stated above.*

Policy BW-9:

Within any watercourse protection setback established under policy BW-7, no vegetation or soil shall be removed or altered unless a management plan has been approved to provide for restoration of vegetation, shoreline access paths, habitat management, safety and welfare or shoreline recreation where such provisions may be made without adversely affecting the primary purpose of preserving water quality in the lake. Any study or management plan submitted pursuant to this clause shall be prepared by a person qualified to make the required determinations and an approval procedure shall be established under the terms of a development agreement.

Policy BW-10:

Wetlands, lakes, watercourses, endangered species habitat and any other features of environmental significance shall be delineated as non-disturbance areas under development agreements. Non-disturbance areas shall be located to allow for continuity of non-disturbance areas on abutting lots, municipal parkland and open space dedications, and natural areas adjacent to watercourses.

Policy BW-11:

A tree replanting program shall be incorporated into development agreements. The program shall specify the locations, number, type and diameter of trees to be planted. The type of trees shall be indigenous to Nova Scotia.

Policy BW-12:

Development of major land areas on slopes in excess of twenty-five percent (25%) shall be prohibited under any development agreement except where it can be demonstrated that such development would not create any hazard and could better preserve open spaces or areas of environmental value.

Policy BW-13:

The Municipality may allow for modifications to the service system specifications adopted under subdivision regulations where such modifications would enhance the ability to preserve the natural environment without compromising the intended objectives of the service systems.

Municipal Services

The feasibility of servicing the Bedford West area was examined and compared to ten other potential development areas around the metropolitan area under the regional planning program. A study concluded that Bedford West was one of two study areas with minimal constraints to development and had low servicing costs per acre².

Servicing costs were deemed low because there was already considerable infrastructure in the area which could be utilized for new development. The transmission main from the Pockwock Lake water supply to Halifax extends along Kearney Lake Road making a potable water supply readily available. Halifax Regional Water Commission had previously commissioned a study to

² CBCL Ltd. & Marshall Macklin Monaghan. *Final Report: Greenfield Areas Servicing Analysis Report*. Prepared for Halifax Regional Municipality. July 2004.

determine infrastructure needed to service this area³.

Traffic from Bedford West is easily accessible to the Bicentennial Highway - a principle arterial road for the region - via interchanges at the Hammonds Plains Road and Kearney Lake Road and from a future interchange proposed with Larry Uteck Boulevard. Annapolis Group Ltd., the major land owner within the Bedford West study area, prepared a transportation plan which concluded that minimal investment in transportation infrastructure would be required by the Municipality to facilitate development of this area⁴. The study identified transportation upgrades needed and a phasing plan.

Through the regional planning program, the Municipality has sought to encourage alternative transportation modes to the automobile. Bedford West is well situated to integrate with regional transit and trail systems and consideration was given to how the community could be designed to take advantage of these attributes.

Bedford West could be connected to either the municipal sanitary collection sewer system which is discharged to Mill Cove treatment plant or to the system which will discharge to the new Halifax treatment plant. In both instances, sewage would have to be pumped to existing gravity mains in the Hammonds Plains Road (discharging to Mill Cove) or in Kearney Lake Road (Halifax system). Careful consideration was given to available capacities for new development when allocating sewage flow from Bedford West to each of these systems.

A development phasing plan has been developed which integrates various servicing needs and, in accordance with the Municipality's capital cost contribution policy, an infrastructure charge area will be established under the subdivision by-law to recover the costs of infrastructure needed to accommodate new development.

Objectives:

- to ensure that the municipal servicing systems are designed to satisfy the ultimate demands anticipated from this community and that services are phased with development to provide satisfactory service levels at all times;
- to employ service standards that are economical and innovative, and that achieve municipal objectives and policies, including public safety, healthy lifestyles and environmental protection;
- to safeguard the capacity of the Halifax and Mill Cove sewage treatment plants;

³ CBCL Ltd. *Birch Cove North/Bedford West Water Infrastructure Master Plan*. Prepared for Halifax Regional Water Commission. February 1999.

⁴MRC Delphi. *Bedford West Master Plan: Transportation Study*. February 2004.

- to facilitate the safe and convenient movement of pedestrians and cyclists within the community and to surrounding neighbourhoods;
- to allow for a convenient and cost efficient public transit system that can provide a high level of service to residents in the community and which can integrate with the regional public transit system;
- to encourage synergy between land uses, lifestyle needs and transportation modes;
- to minimize motor vehicle traffic impacts on the regional transportation system;
- to preclude excessive traffic levels in residential neighbourhoods;
- to allow for efficient access to places of commerce and employment in the community;
- to recover the cost of new infrastructure needed to service development within the secondary plan areas in accordance with the capital cost contribution policy adopted by the Municipality.

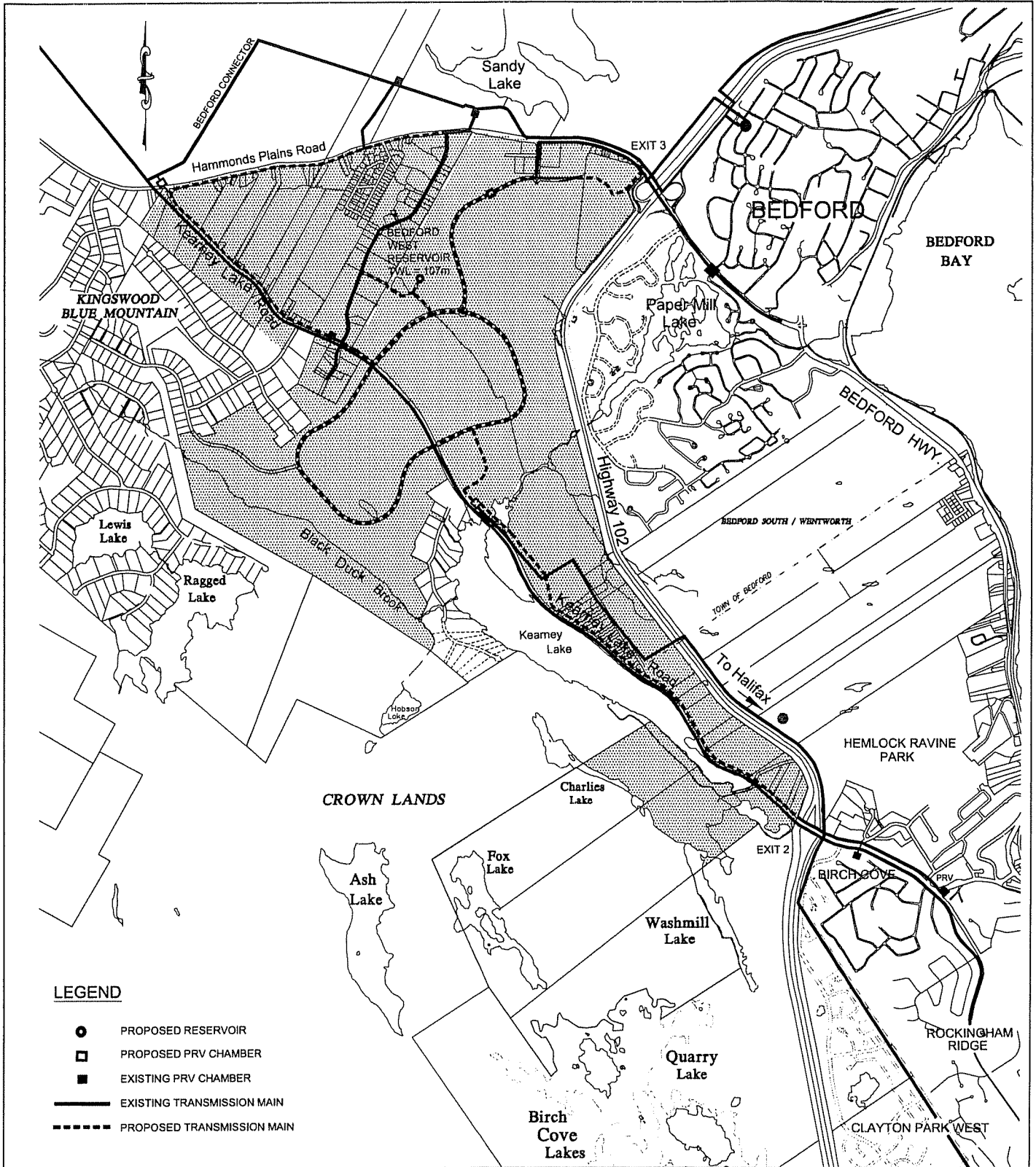
Water and Sanitary Sewer Systems:

Policy BW-14:

The water distribution system shall conform with the recommendations of the Birch Cove North/ Bedford West Water Master Infrastructure Plan (CBCL, 1999) and with the system schematics illustrated on Schedule BW-3 unless otherwise acceptable to the Halifax Regional Water Commission and no development shall be approved by the Municipality unless notified by the Commission that the proposed distribution system conforms with all design and operating specifications established.

Policy BW-15:

The sanitary sewer system shall be designed in conformity with the schematics illustrated on Schedule BW-4 and in accordance with the Municipality's Service Systems Specifications, as amended from time to time. Sewage flow calculations, shall be based on an assumed occupancy of 3.35 persons per single unit, two-unit or townhouse dwelling and 2.25 persons per unit in each multiple unit dwelling; 50 persons per acre for general commercial uses within the Community Commercial Centre shown on Schedule BW-7 or proposed within Sub-Area 9; and 40 persons per acre for mixed use business campus uses; and 30 persons per



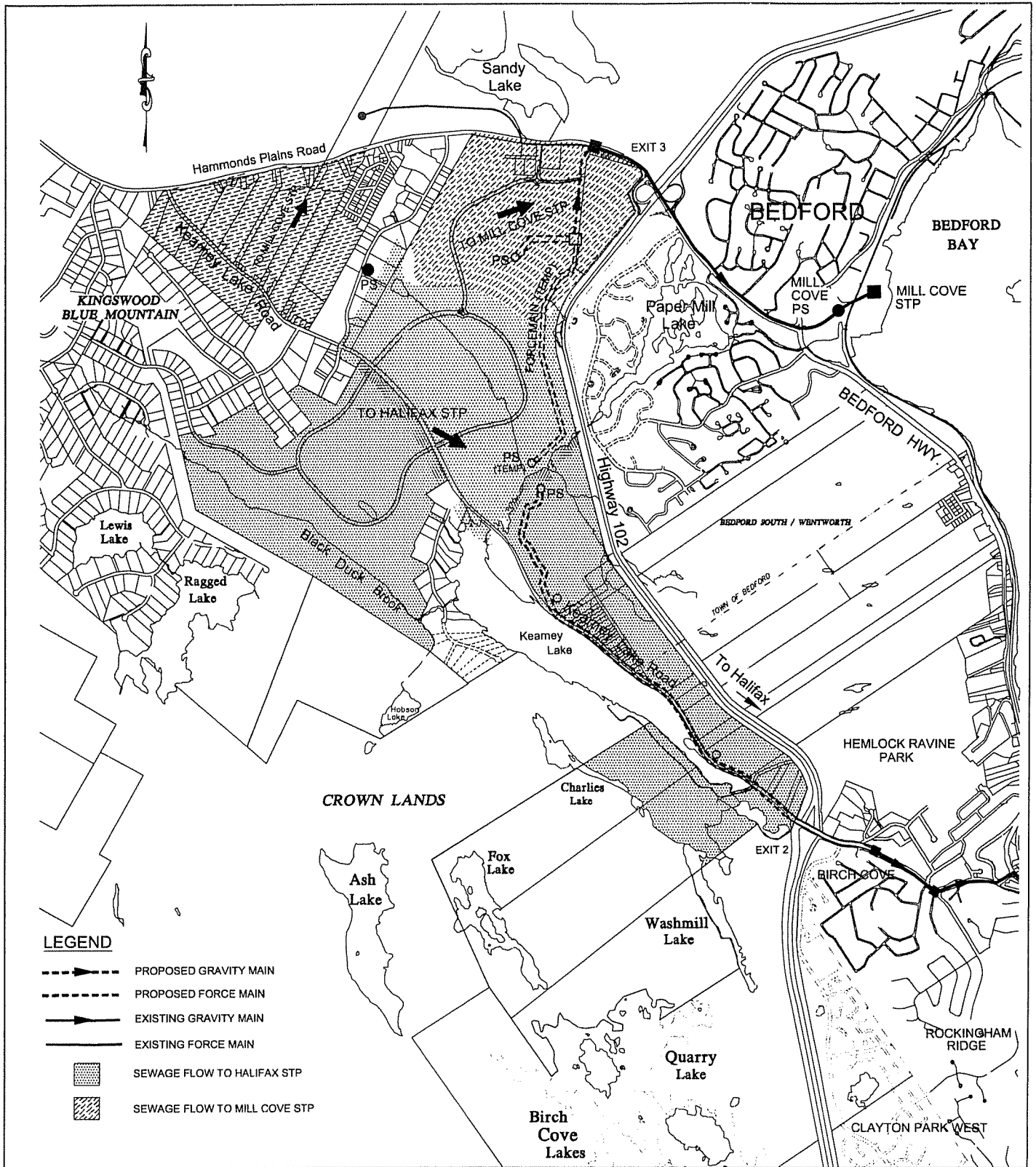
LEGEND

- PROPOSED RESERVOIR
- PROPOSED PRV CHAMBER
- EXISTING PRV CHAMBER
- EXISTING TRANSMISSION MAIN
- - - - - PROPOSED TRANSMISSION MAIN

**WATER SERVICE SYSTEM
BEDFORD WEST**

SCHEDULE BW-3

MARCH, 2005



**SANITARY SEWER SERVICING
BEDFORD WEST**

SCHEDULE BW-4

JULY 04, 2005
REVISED OCT. 11, 2005

acre for local commercial, community facility and institutional uses⁵.

Policy BW-16:

Based on the assumed occupancies under policy BW-15 and the phasing plan illustrated on schedule BW-6, the sanitary sewer system shall be designed for a maximum density of 50 persons per acre for general commercial uses and a maximum density of 20 person per acre shall be permitted for all residential uses.

Transportation:

Policy BW-17:

Phasing of transportation system upgrades shall be undertaken in accordance with the recommendations of the Transportation Plan (MRC Delphi, February 2004) unless otherwise agreed to by the Municipality and the Province.

Policy BW-18:

The Municipality shall prohibit motorized conveyances on all trails, except maintenance, emergency or patrol vehicles, and except electric wheelchairs or similar devices required for mobility by persons with disabilities.

Policy BW-19:

Variations to municipal service system standards may be considered where such variations conform with the principles set forth in the Transportation Association of Canada's "A New Vision for Urban Transportation" or any other guidelines or policies acceptable to the Municipality. Consideration shall be given to the objectives and policies established under this Municipal Planning Strategy, public safety, environmental and lifestyle factors, and capital and operating costs as well as other benefits to the Municipality, such as construction of trail systems on public lands.

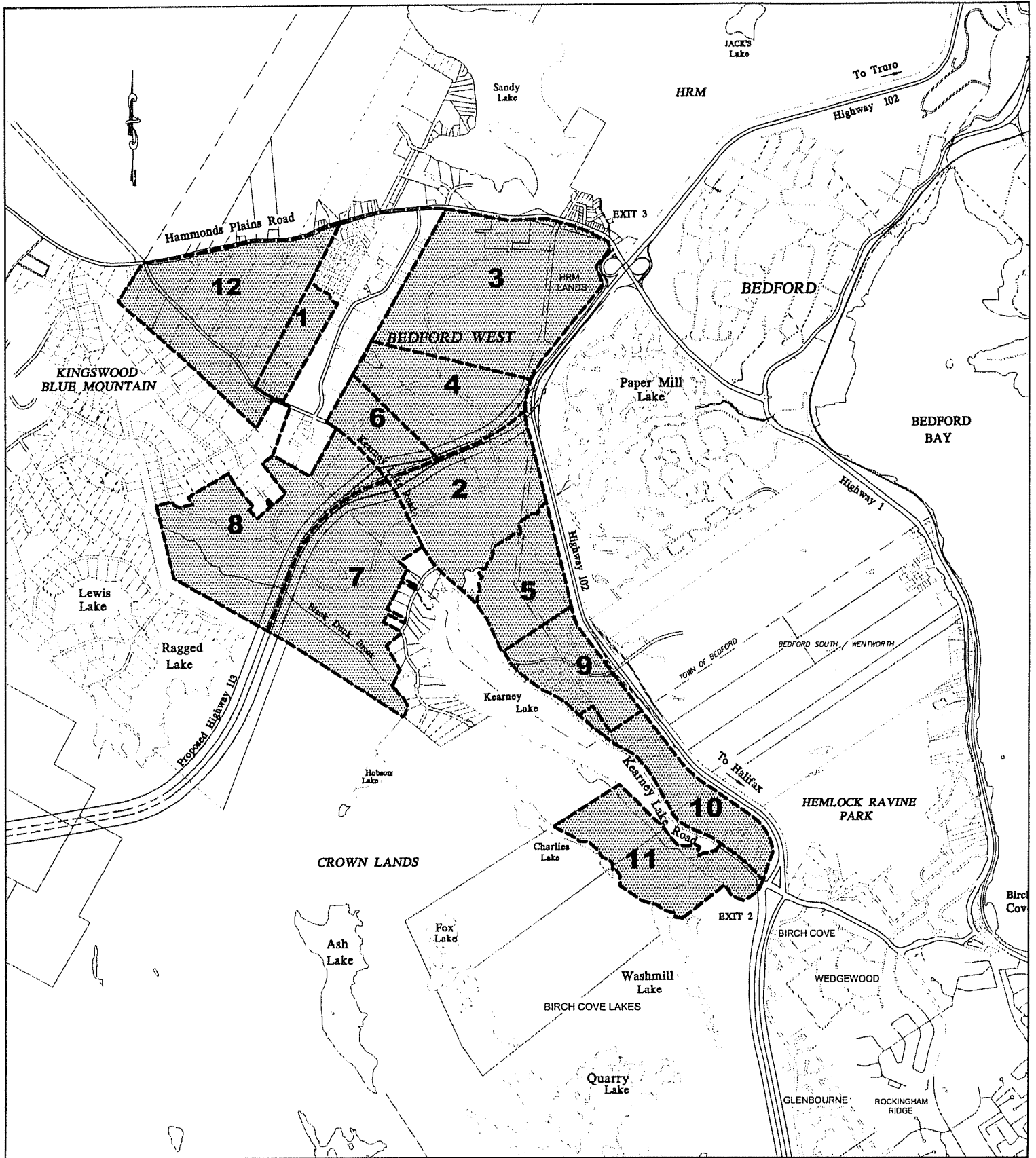
Development Phasing and Cost Recovery

Policy BW-20:

A development Sub-Area plan is established for this secondary plan area as illustrated on Schedule BW-6 in which the following conditions shall apply:

- (a) Any approvals within Sub-Areas 1 to 12 will also be contingent upon availability of capacity within municipal service systems;*

⁵ For the purposes of this Secondary Planning Strategy, all density calculations are based on gross area.



DEVELOPMENT SUB-AREAS

BEDFORD WEST

SCHEDULE BW-6

JULY 04, 2005
REVISED OCT. 11, 2005

- (b) *any development agreement entered into within Sub-Areas 2 to 8 and 12 shall include provisions for all new development intended within the Sub-Area;*

Policy BW-21:

In accordance with the provisions and requirements of the Municipality's Infrastructure Charges Best Practice Guide and Part II of this Municipal Planning Strategy, an infrastructure charge area shall be established under the Subdivision By-law over the area governed by this Secondary Planning Strategy and no subdivision approvals shall be granted until infrastructure charges are in effect.

Land Use: Sub-Areas 10 and 11:

These current zoning provisions shall be maintained on these lands until such time as municipal services can be extended. When service extensions can be made, a comprehensive development district zone shall be applied to all undeveloped lands within the Sub-Area to be serviced. No commercial development shall be permitted within Sub-Area 11 unless the lands have frontage on the Kearney Lake Road.

Policy BW-22:

To facilitate a variety of housing types and achieve both the overall density and open space allocations envisioned by the Regional Plan, consideration may be given to varying development standards established under the Municipal Planning Strategy and Land Use By-law. More specifically standards pertaining to lot area, lot frontage, lot coverage, setbacks and building height may be varied to reflect the uniqueness of each Sub-Area, the market being targeted and the theme of that Sub-Area.

Policy BW-23:

No stormwater management, sanitary sewer or water service system shall be located within the Open Space Designation which would adversely affect environmentally sensitive areas, detract from the aesthetics of the area or impair any recreational functions intended. The intended purpose of all open spaces shall be identified and agreed to in a development agreement application. Lands within the Open Space Designation may be allocated to satisfy the Municipality's Subdivision By-law requirements for parkland dedication.

Policy BW-24:

In the event that the Municipality is unable to determine whether any undertaking will adversely affect environmentally sensitive areas, the Municipality shall require that an environmental impact analysis be undertaken at the cost of the developer by a person qualified to make such a determination and as selected or agreed upon by the Municipality.

Policy BW-25:

The development of all recreational facilities shall conform with the HRM Guidelines for Parkland Planning adopted by Council.

Policy BW-26:

Prior to any subdivision approval being granted, the developer shall prepare a recreation facilities plan for the development of recreational facilities for lands to be conveyed to the Municipality for parkland and open space dedication. The plan shall consider facility requirements in relation to present and future community needs, safety and convenience, environmental protection or enhancement, financial resources and phasing.

Policy BW-27:

No municipal services shall be extended to existing developments within Sub-Areas 10 or 11 until consultations have been held with affected property owners to determine:

- (c) the need for amendments to existing policies under the Municipal Planning Strategy and zoning regulations under the Land Use By-law;*
- (d) the need for municipal services and a means of finance.*

Policy BW-28:

When municipal services are available for Sub-Areas 10 or 11, a comprehensive development district zone may be applied to undeveloped properties within the Sub-Area to be serviced. No development agreement application shall be considered for approval unless a public participation program has been undertaken to identify development opportunities and constraints and to facilitate collaboration in the preparation of a conceptual concept design for the entire Sub-Area. Any future residential development shall be guided by the following:

- (n) the density of housing units shall not exceed six units per acre;*
- (o) community facilities such as schools, churches and day care centres and businesses that provide goods and services at a neighbourhood level, such as convenience stores, may be permitted within a residential neighbourhood. Convenience stores shall be encouraged to locate at intersections with a Community Collector Street and at transit stops;*
- (p) sidewalks and pathways facilitate comfortable and convenient pedestrian travel to transit stops on the Community Collector Street System, the Community Trail System and to community services;*

- (q) the design of neighbourhood streets facilitate shared use by cyclists and encourage safe vehicular speeds and discourage short-cutting and excessive speeds by automobiles while enabling direct routes for pedestrians and cyclists;*
- (r) a variety of housing types is provided within each Sub-Area and distributed so as to avoid a congested appearance of streetscapes;*
- (s) the allocation of housing and the massing and placement of buildings contributes to a sense of community vitality, energy conservation, surveillance of public spaces and provides an effective integration with established neighbourhoods;*
- (t) building locations, height, scale, site and architectural design, landscaping, and streetscape elements reinforce the themes of neighbourhood identity, pedestrian safety and compatibility with the natural environment;*
- (u) single unit dwelling lots have a minimum street frontage of 40 feet, a minimum area of 4,000 square feet, a minimum side yard of 4 feet, and a minimum separation of 12 feet between buildings;*
- (v) natural vegetation, landscaping or screening is employed around parking areas for institutional and multiple unit buildings to provide screening from streets and, for buildings containing forty-eight or more housing units, provision of underground parking or a structure allowing for stacked parking shall be a mandatory component of the on-site parking supply;*
- (w) Vegetation is maintained or landscaping measures, a fence or other physical barrier provided so as to provide a buffer between new developments and commercial or industrial developments which is effective in ensuring public safety and mitigating visual or noise impacts;*
- (x) all open space dedications proposed conform with the objectives and polices adopted for open space under this secondary planning strategy and any administrative guidelines adopted by the Municipality; and*
- (y) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*

Policy BW-29:

For any commercial development proposed within Sub-Areas 10 or 11, consideration shall be given to the following matters:

- (z) natural vegetation, landscaping or screening is employed around parking areas and measures are employed to provide safe and convenient pedestrian access to the buildings they are intended to serve;*
- (aa) sidewalks and plazas are provided so as to encourage a secure and inviting walking environment throughout the commercial centre and to neighbouring residential neighbourhoods;*
- (bb) provisions are made for the storage of bicycles;*
- (cc) exterior materials, street furniture; trees, lighting and landscaping measures are incorporated in buildings to foster an interesting and secure environment;*
- (dd) the windows, exterior features and materials and signs employed in any building create a sense of interest from public streets;*
- (ee) the massing and height of buildings are consistent with and contribute to an pedestrian oriented environment;*
- (ff) the proposal conforms with all applicable provisions and requirements adopted under this Secondary Planning Strategy regarding environmental protection, the community transportation system and municipal services.*



MAP 5: AMENDMENTS TO THE GENERAL FUTURE LAND USE MAP FOR HALIFAX



LANDS TO BE DESIGNATED BEDFORD WEST SECONDARY PLANNING STRATEGY

2. The Land Use By-law for Mainland Halifax is hereby amended by:

(a) adding the following immediately following Part 62AC:

BWCDD Zone
BEDFORD WEST COMPREHENSIVE
DEVELOPMENT DISTRICT ZONE

62AD No development permit shall be issued for a development with a Bedford West Comprehensive Development District (BWCDD) Zone except in accordance with a development agreement approved pursuant to policies contained in the Bedford West Secondary Planning Strategy.

A By-law to Amend the Regional Subdivision By-law

The Regional Subdivision By-law is hereby amended by deleting section 15.