

B.4 FLAMBOROUGH SECONDARY PLANS

B.4.1 West Waterdown Secondary Plan

The West Waterdown Secondary Plan is bounded by Parkside Drive to the north, Dundas Street East to the south, lands just west of Hamilton Street to the east, Borer's Creek and the Utility Pipeline to the west and is located in Waterdown. (OPA 165)

The West Waterdown Secondary Plan establishes land uses and development standards to guide the *development* and/or *redevelopment* of lands located in the West Waterdown Secondary Plan area. Section B.4.1 and Map B.4.1-1 - West Waterdown - Land Use Plan constitute the West Waterdown Secondary Plan.

4.1.1 Residential Designations

The residential policies define the location and scale of residential uses and shall ensure that a variety of housing types are provided to meet the needs of residents of the City and provincial policy requirements. (OPA 247)

4.1.1.1 The residential areas are designated Low Density Residential 1 and Medium Density Residential 1 on Map B.4.1-1 – West Waterdown – Land Use Plan. (OPA 247)

4.1.2 Low Density Residential Designations

Section E.3.4 – Low Density Residential of Volume 1 shall apply to lands designated Low Density Residential 1 on Map B.4.1-1 – West Waterdown – Land Use Plan. (OPA 247)

4.1.3 Medium Density Residential Designations (OPA 247)

In addition to Section E.3.5 – Medium Density Residential of Volume 1, the following policies shall apply to lands designated Medium Density Residential identified on Map B.4.1-1 – West Waterdown – Land Use Plan:

a) Medium Density Residential 1 designation:

- i) Notwithstanding Policies E.3.5.1 and E.3.5.9 a), lands designated Medium Density Residential 1 may be permitted within the interior of neighbourhoods fronting on a local road.
- ii) In addition to Policy E.3.5.2 of Volume 1, street townhouses shall also be permitted.
- iii) Policy E.3.5.4 of Volume 1 shall not apply.
- iv) Notwithstanding Policy E.3.5.8 of Volume 1, the maximum permitted height shall be three storeys.

4.1.4 Mixed Use – Medium Density Designation

It is the intent of this Secondary Plan that the day-to-day shopping needs of the residents of this community shall be served by the existing and any proposed commercial facilities along Hamilton Street and Dundas Street.

- 4.1.4.1 In addition to Section E.4.6 – Mixed Use - Medium Density Designation of Volume 1, the following policies shall apply to the lands designated Mixed Use - Medium Density on Map B.4.1-1 – West Waterdown – Land Use Plan:
- a) Notwithstanding Policy E.4.6.5 of Volume 1, the permitted uses shall include large retail, office, live/work, and medium density residential uses, including townhouses, duplex, triplex, stacked townhouses, and low rise apartments. Detailed permitted uses, appropriate to each location, shall be established in the implementing Zoning By-law.
 - b) Commercial *development* may occur as individual, mall or plaza building structures in single use or mixed use projects.
 - c) Special consideration shall be given for new *development* along Dundas Street East and Hamilton Street in terms of providing a contiguous streetscape through consistent setback, signage and landscaping measures.

4.1.5 Parks and Open Space Designations

- 4.1.5.1 Section B.3.5.3 – Parkland Policies and Section C.3.3 – Open Space Designations of Volume 1 of this Plan shall apply to lands designated Parkette, Neighbourhood Park, General Open Space and Natural Open Space on Map B.4.1-1 – West Waterdown – Land Use Plan.
- 4.1.5.2 The open space system planned for the West Waterdown Secondary Plan area includes the following:
- a) Neighbourhood Park;
 - b) Parkette;
 - c) General Open Space; and,
 - d) Natural Open Space.

4.1.6 Institutional Designation

It is the intent of this Secondary Plan to designate sufficient institutional lands to serve the needs of the Secondary Plan area, as well as most of the needs of the urban area of Waterdown.

- 4.1.6.1 In addition to Sections B.3.5 – Community Facilities/Services Policies, E.3.10 – Community Facilities/Services and E.6.0 – Institutional Designation of Volume 1, the following policies shall apply to the lands designated Institutional on Map B.4.1-1 – West Waterdown – Land Use Plan:
- a) The Institutional designation shall permit both large and small scale uses.
 - b) The large scale institutional uses are intended to serve the broader urban area. Permitted large scale institutional uses shall include secondary schools, recreation facilities, cultural and religious facilities, places of worship, day care facilities, government services, administrative facilities, and accessory uses that are necessary and subordinate to the institutional use.
 - c) The small scale institutional uses are intended to serve the neighbourhood.

Permitted small scale institutional uses shall be neighbourhood oriented uses including elementary schools, places of worship, day care facilities, and accessory uses that are necessary and subordinate to the institutional use.

4.1.7 Area and Site Specific Policies

Site Specific Policy – Area A

- 4.1.7.1 In addition to the uses permitted in Policy B.4.1.6.1, on lands identified as Site Specific Policy - Area A on Map B.4.1-1 – West Waterdown – Land Use Plan, and located at 168 Dundas Street East, office uses shall be permitted within the existing building.

Site Specific Policy – Area B (OPA 205)

- 4.1.7.2 Deleted by OPA 247

B.4.2 Waterdown North Secondary Plan

The Waterdown North Secondary Plan is bounded by the *urban boundary* to the north, Parkside Drive on the south, the pipeline easement on the west, lands north of the North Waterdown Drive and Centre Road on the east.

The Waterdown North Secondary Plan establishes principles, objectives, land uses, basic transportation network, community facilities, infrastructure requirements, and development standards to guide the *development* and/or *redevelopment* of lands located in the Waterdown North Area.

Section B.4.2 – Waterdown North Secondary Plan, Map B.4.2-1 – Waterdown North - Land Use Plan, B.4.2-2– Waterdown North – Road Classification Plan, and Appendix A – Waterdown North – Community Structure Plan, constitute the Waterdown North Secondary Plan.

4.2.1 Principles

Development of the Waterdown North Secondary Plan area shall be based on the following principles:

- a) Creation of a compact, safe, functional and attractive urban environment.
- b) Provision of a mix and range of housing, including housing *affordable* to a wide spectrum of households through a variety of building types and densities to provide housing choices for families, seniors, single person households and other residents.
- c) Creation of an interconnected and permeable transportation system and pattern of public streets and walkways, facilitating direct and safe pedestrian, bicycle and vehicular movement throughout the community and to adjacent communities.
- d) Promotion of pedestrian and cycling connections to the existing Waterdown community, where appropriate.
- e) Establishment of a mixed use centre serving local and community needs, including higher intensity housing, commercial uses and innovative live-work opportunities at the intersection of Centre Road and North Waterdown Drive.
- f) Recognition of the existing institutional campus and provision for its expansion to serve the Waterdown North area and the broader community.
- g) Achievement of residential and employment densities that meet provincial policy requirements and support potential future transit networks.
- h) *Intensification* of existing areas of housing fronting onto Parkside Drive, through the conveyance of the rear portions of lots, where appropriate.
- i) Establishment of an integrated park and open space system providing opportunities for passive use of the Borer's Creek Valley, while protecting and preserving significant natural features and functions of the environmental system.
- j) Retention and enhancement of natural and cultural heritage features, other

landscape elements such as hedgerows, prominent landform features and scenic views.

- k) *Development* of a continuous pathway system throughout the community that incorporates links of varying character and function between natural features and community amenities.
- l) Integration of the recommendations of the Waterdown/Aldershot Transportation Master Plan, Master Drainage Plan and Master Servicing Plan studies, including provision for North Waterdown Drive, storm water management systems and a water tower.
- m) Ensure that required roadway improvements are completed and infrastructure, including the necessary water, sanitary sewer, storm water management systems, telecommunications and public/private utilities are provided and are in place and operative, as necessary, prior to, or concurrent with the development of the land.

4.2.2 Objectives

The following objectives provide the framework for the planning and development of the Waterdown North Secondary Plan area and shall be achieved through the policies and mechanisms set out in this Secondary Plan and the Official Plan.

4.2.2.1 Residential

- a) Create an urban environment that provides for safe, functional and attractive residential neighbourhoods.
- b) Provide a wide variety and mix of housing types throughout the neighbourhoods.
- c) Promote a more compact urban form, with higher densities located in proximity to arterial roads that may serve as future transit corridors.
- d) Encourage the development of live-work dwelling units to provide for the opportunity of smaller scale commercial and business uses in close proximity to residential uses.

4.2.2.2 Commercial and Mixed Use

- a) Provide for the development of a commercial centre of approximately 1.5 to 2.0 ha in size that serves the local and community needs
- b) Require the provision of appropriate amenities for commercial areas, including parking, signage, landscaping and streetscaping.
- c) Provide an attractive image at this northern gateway to the Waterdown urban area.
- d) Achieve an appropriate interface with adjacent residential areas.

4.2.2.3 Parks and Open Space

- a) Provide an integrated open space and park system with a clear functional relationship to the overall community.
- b) Promote community health through a system of non-vehicular trail connections through the new community with linkages to surrounding lands.
- c) Provide opportunities for recreation where they do not impact natural heritage features.
- d) Ensure that natural heritage features, including Core Areas, valleylands, floodplains and wetlands are protected and enhanced.
- e) Restrict *development* from occurring on lands with inherent natural hazards, including floodplains.
- f) Conserve the natural beauty and distinctive character of the Waterdown North landscape.

4.2.2.4 Institutional

- a) Accommodate facilities for public use, including education, health and community uses.
- b) Provide for expansion of the existing institutional uses.
- c) Integrate the institutional uses with the new residential community.

4.2.2.5 Utility Services

- a) Ensure that adequate utility networks are established to serve the anticipated *development* and that they can be phased in a way that is cost-effective and efficient.
- b) Ensure utilities are provided in a manner that minimizes the impacts on the natural environment.
- c) Ensure public and private utilities are clustered or grouped where possible to minimize visual impact.

4.2.2.6 Cultural Heritage

- a) Identify and protect historically or architecturally significant buildings.
- b) Ensure the appropriate management, conservation, mitigation or preservation of *archaeological resources*.

4.2.2.7 Urban Design

- a) Ensure the development of an attractive, compact, safe and pedestrian-oriented urban environment.
- b) Promote a high quality of design for public parks, open spaces, streetscapes, and buildings.

- c) Ensure *compatibility* between areas of different land use or development intensity.

4.2.2.8 Transportation

- a) Provide a safe and efficient means of travel (a balanced transportation network) for all residents.
- b) Provide an interconnected transportation system and pattern of streets, facilitating direct and safe pedestrian, bicycle and vehicular movement throughout the community.
- c) Encourage energy-efficient transportation, such as walking, cycling and transit, to reduce the dependency on the automobile.
- d) Provide transportation infrastructure to support future land uses in the community and its vicinity.

4.2.2.9 Infrastructure

- a) Encourage infrastructure required for any part of this Secondary Plan, to be in place and operative, as necessary, for that part of the Plan, prior to or concurrent with the development of the land.
- b) Ensure infrastructure is provided in a manner that minimizes the impacts on the natural environment.

4.2.2.10 Implementation

- a) Ensure that studies, services, public facilities and infrastructure required to support development of the lands are provided.
- b) Establish an integrated program of planning approvals and resources commitments to implement the provisions of this Secondary Plan.

4.2.3 General Policies

- 4.2.3.1 The pattern of land use and the schematic transportation network for the Waterdown North Secondary Plan area are identified on Maps B.4.2-1 – Waterdown North – Land Use Plan and Map B.4.2.2– Waterdown North – Road Classification Plan.
- 4.2.3.2 Waterdown North Community Structure is identified on Appendix A – Waterdown North – Community Structure Plan. The Community Structure Plan demonstrates a conceptual structure and general form of *development*, including a potential local road network that reflects the intent and objectives of this Secondary Plan. Appendix A – Waterdown North - Community Structure Plan shall serve as a general guide to the City in the review of applications for plan of subdivision and/or site plan approval.
- 4.2.3.3 All *development* applications within Waterdown North shall be subject to design review to ensure a high quality of *development* in accordance with this Secondary Plan and the Waterdown North Urban Design Guidelines.
- 4.2.3.4 North Waterdown Drive, identified as an arterial road on Appendix A –

Waterdown North – Road Classification Plan, represents the northern limit of urban development in the Waterdown North community, with the exception of the two high density residential precincts to the west of Borer's Creek. North Waterdown Drive shall be located in accordance with the Waterdown/Aldershot Transportation Master Plan.

- 4.2.3.5 All *development* within the Secondary Plan Area shall be planned on a comprehensive basis, consider impacts on natural features and be *compatible* with adjacent development. The zoning by-law shall incorporate provisions relating to the height, density and design of *development* based on the provisions of this Secondary Plan and the Waterdown North Urban Design Guidelines.

4.2.4 Residential Designations

The Waterdown North community shall be primarily a residential area that includes a wide range of housing types and demonstrates a mix of housing. The community shall consist of two neighbourhoods: a largely low density neighbourhood to the west of Borer's Creek; and a mixed use neighbourhood, featuring higher intensity residential uses, commercial uses, live/work units and an institutional use campus, to the east of Borer's Creek. While different, these two neighbourhoods are to be integrated through common design treatments, shared community amenities and a connecting pathway system. In addition, two higher density residential areas are to be developed to the north of North Waterdown Drive.

- 4.2.4.1 The residential areas are designated Low Density Residential 1, Medium Density Residential 1 and 3 and High Density Residential 1, as identified on Map B.4.2-1 – Waterdown North – Land Use Plan. The following policies shall apply to each of these land use designations. (OPA 247)

4.2.4.2 General Residential Policies (OPA 247)

In addition to the Section E.3.0 – Neighbourhoods Designation of Volume 1, the following general policies shall apply to all residential land use designations identified on Map B.4.2-1 – Waterdown North - Land Use Plan:

- a) Density ranges have been specified for some medium and high density residential categories. These densities shall be achieved for each land holding within the Secondary Plan area through the review of *development* applications on an application by application basis.
- b) A broad range and mix of housing types are promoted between and within residential density categories. The City shall strive to achieve a variety of building types within each density category, such that no portion of the Secondary Plan area is dominated by one housing type. In appropriate locations, the *development* of live/work housing units, which are principally residential dwellings but also accommodate small scale commercial uses on the ground floor, shall be encouraged.
- c) To promote compatible redevelopment, new residential infill development shall comply with the policies of Section E.2.4 – Residential Intensification and Section B.3.3 – Urban Design Policies of Volume 1, as well as any relevant Urban Design Guidelines in accordance with Section F.3.2.5 of Volume 1. (OPA 247)

- d) This Plan encourages the preservation of designated and/or listed heritage buildings found within the Waterdown North area through the retention of buildings that have been identified as having cultural, historical and/or architectural significance.
- e) Reverse frontage or backlotted lots shall be discouraged on major roads, such as Parkside Drive, Centre Road and North Waterdown Drive, as well as adjacent to parks. The City supports alternative approaches, such as laneway housing and window streets, to promote improved streetscapes and public safety, where possible and appropriate.
- f) As part of the submission of any *development* application, an overall concept plan for the adjoining lands and associated development statistics shall be submitted, to the satisfaction of the City. This concept plan shall detail the major components of the *development* and demonstrate compliance with this Secondary Plan and general conformity to the Waterdown North Urban Design Guidelines, including provision of a mix of housing types and lot sizes and achievement of density targets.

4.2.4.3 Low Density Residential Designations (OPA 247)

In addition to Section E.3.4 – Low Density Residential of Volume 1, the following policy shall apply to the lands designated Low Density Residential 1 on Map B.4.2-1 – Waterdown North – Land Use Plan:

- a) A limited number of residential dwellings may be permitted to have direct frontage on Parkside Drive provided the lot frontages are adequate to minimize the number of driveways and achieve enhanced landscaping, or where alternative design approaches are implemented that minimize driveway connections to Parkside Drive while making adequate provision for parking and enhanced landscaping.

4.2.4.4 Deleted by OPA 247

4.2.4.5 Medium Density Residential Designations (OPA 247)

In addition to the policies of Section E.3.5 – Medium Density Residential of Volume 1, the following policies shall apply to the lands designated Medium Density Residential on Map B.4.2-1 – Waterdown North – Land Use Plan.

Currently, there are no lands designated Medium Density Residential 4.

- a) In the Medium Density Residential 1 designation:
 - i) Notwithstanding Policies E.3.5.1 and E.3.5.9 a), lands designated Medium Density Residential 1 may be permitted within the interior of neighbourhoods fronting on a local road.
 - ii) Policy E.3.5.4 of Volume 1 shall not apply.
 - iii) Notwithstanding Policy E.3.5.8 of Volume 1, the maximum permitted height shall be three storeys.
 - iv) Live-work housing units may be permitted in accordance with Section B.4.2.4.8 – Mixed Use – Medium Density Designation; however, an amendment to the Medium Density 1 designation shall be required.

- b) In the Medium Density Residential 3 Designation:
- i) In addition to Policy E.3.5.2 of Volume 1, retirement homes shall also be permitted.
 - ii) Notwithstanding Policy E.3.5.8 of Volume 1, the maximum permitted height shall be six storeys.
 - iii) The density for all lands designated Medium Density Residential 3 shall be greater than 46 units to a maximum of 125 units per gross residential hectare. This density shall be achieved through the provision of a mix of housing types within the designation. (OPA 64)
 - iv) The City shall consider the provision of additional live-work housing units elsewhere in the Medium Density Residential 3 designation, subject to provision of an acceptable site plan and building elevations illustrating the nature and function of the *development* and demonstrating *compatibility* with adjacent development and adequate provision for on-street parking. An amendment to the Medium Density Residential 3 designation shall be required. (OPA 64)
- c) In the Medium Density Residential 4 Designation:
- i) Notwithstanding Policy E.3.5.8, the maximum building height shall be 10 storeys.
 - ii) The density for all lands designated Medium Density Residential 4 shall be greater than 70 units to a maximum of 100 units per gross residential hectare. This density shall be achieved through the provision of a mix of housing types within the designation.
 - iii) Notwithstanding Policy B.4.2.4.5 c) ii), individual sites may be developed to a maximum net residential density of 150 units per hectare, provided the overall density of the lands within the designation does not exceed 100 units per gross residential hectare.
 - iv) In addition to Policy E.3.5.2 of Volume 1, retirement homes shall also be permitted.

4.2.4.6 Deleted by OPA 247

4.2.4.7 High Density Residential 1 Designation

In addition to the policies of Section E.3.6 – High Density Residential of Volume 1, the following policies shall apply to the lands designated High Density Residential 1 on Map B.4.2-1 – Waterdown North Land Use Plan:

- a) The High Density Residential 1 designation shall permit *multiple dwellings* such as all forms of townhouses, apartments and other forms of *multiple dwellings*. Housing for seniors, including retirement apartments shall also be permitted.
- b) The maximum building height for apartments shall be 15 storeys.
- c) Notwithstanding Policy E.3.6.6 of Volume 1, the density for all lands designated High Density Residential 1 shall be greater than 100 units to a

maximum of 125 units per gross residential hectare.

- d) Individual sites may be developed to a maximum net residential density of 175 units per hectare, provided that the gross residential density is achieved.
- e) A range of building types shall be encouraged on lands designated High Density Residential 1. In particular, lower-rise multiple housing forms shall be encouraged along the frontage of North Waterdown Drive to enhance the streetscape and provide an appropriate transition to the lower density housing to the south.
- f) Access to the High Density Residential 1 lands should align with public road intersections to the south of North Waterdown Drive.
- g) Parking for vertically attached housing forms shall generally be located below grade or within buildings. Limited surface parking areas may be permitted provided that they are screened from the arterial road.
- h) Consideration shall be made in the design of buildings in the High Density Residential 1 designation for the function and aesthetics of a future trail on the pipeline easement.

4.2.4.8 Mixed Use - Medium Density Designation

In addition to the policies of Section E.4.6 – Mixed Use - Medium Density Designation of Volume 1, the following policies shall apply to the lands designated Mixed Use - Medium Density on Map B.4.2-1 – Waterdown North - Land Use Plan:

- a) The intent of the Mixed Use - Medium Density designation is to promote the development of live-work housing. Single detached, semi detached, duplex, street townhouses and stacked townhouses residential forms with grade-related commercial uses, as permitted in Policy B.4.2.4.8 b), may be permitted, in accordance with the provisions of the Zoning By-law.
- b) Notwithstanding Policy E.4.6.5 of Volume 1, permitted commercial uses in the Mixed Use - Medium Density designation include retail, personal services, and offices.
- c) The maximum building height shall be four storeys.
- d) Live-work housing units may be developed on the collector road in the vicinity of the intersection with Centre Road, as identified on Map B.4.2-1 – Waterdown North - Land Use Plan.
- e) Within the Mixed Use Medium Density designation, the residential uses permitted in Policy B.4.2.4.8 a) may have grade-related commercial uses, as specified, provided that it can be suitably demonstrated, through the submission of an urban design brief, that in appropriate locations, the availability of on-street parking and individual design of units would support the proper functioning of these commercial uses. In addition:
 - i) For all units located on the north side of Nisbet Boulevard, the urban design brief noted above shall be required, in conjunction with a Site Plan application.

- ii) For all residential uses, except for those units adjacent to the north side of the collector road, the addition of commercial uses at grade shall require an Amendment to the Zoning By-law.
- f) Alternative road and sidewalk standards and reduced building setbacks shall be encouraged in areas of live-work housing, as identified in the Waterdown North Urban Design Guidelines.

4.2.5 District Commercial Designation

The District Commercial designation is intended to provide for the shopping needs of Waterdown North residents and the broader community. The location of the District Commercial designation shall benefit from traffic on Centre Road and North Waterdown Drive, and serves a gateway function at the north end of the Waterdown Urban Area.

4.2.5.1 In addition to the policies of Section E.4.7 – District Commercial Designation of Volume 1, the following general policies shall apply to lands designated District Commercial on Map B.4.2-1 – Waterdown North - Land Use Plan

- a) The maximum building heights shall be four storeys.
- b) Residential uses and institutional uses shall be permitted in conjunction with commercial uses in the form of mixed use buildings with only commercial uses on the ground floor.
- c) A high quality of design, streetscaping and landscaping shall be required for commercial development. Site plan control, compliance with design guidelines, and other tools shall be used to ensure appropriate design of all commercial development.
- d) Commercial buildings shall be sited in close proximity to public streets to provide definition to the street edge and screen large areas of parking from the boundary roads.
- e) A Gateway feature, which may consist of special building treatment, landscaping and/or public art, shall be provided at the intersection of Centre Road and North Waterdown Drive, as identified on Appendix A – Waterdown North – Community Structure Plan. The nature of the Gateway feature is to be determined in association with the City and in accordance with the Waterdown North Urban Design Guidelines.
- f) In addition to Policy B.4.2.5.1 b), residential uses in the form of stand-alone apartment buildings and other forms of multiple dwellings (including Stacked Townhouses), shall be permitted within the District Commercial designation; provided a minimum of 1,858m² of Commercial uses are developed, in accordance with Section E.4.7.2 – Permitted Uses of Volume 1.

4.2.6 Open Space and Parks Designations

Natural Open Space and Neighbourhood Parks form the core of a system of interconnected greenlands within Waterdown North and linking with the broader area. While the two land use designations, identified on Map B.4.2-1 – Waterdown North – Land Use Plan, are complementary, they perform different key functions.

The Natural Open Space designation includes natural areas of environmental significance that are to be preserved and protected. In Waterdown North, Natural Open Space areas consist of Borer's Creek and associated valleylands, floodplain and wetlands. Where appropriate, passive recreation uses such as walking or cycling trails are permitted in this designation.

Neighbourhood Parks provide for physical and visual connections to Natural Open Space areas. Two Neighbourhood Parks are designated in the Secondary Plan Area and shall include functions servicing the immediate neighbourhood. A City-wide park shall not be developed in Waterdown North.

4.2.6.1 In addition to Sections B.3.5.3 – Parkland Policies and C.3.3 – Open Space Designations of Volume 1, the following policies shall apply to the lands designated Neighbourhood Park, Parkette, Natural Open Space and General Open Space on Map B.4.2-1 – Waterdown North - Land Use Plan:

- a) The open space and parks system within the Waterdown North community includes:
 - i) the tributaries of Borer's Creek and the associated natural heritage features and buffers;
 - ii) Neighbourhood Parks in both the east and west neighbourhoods;
 - iii) recreational use and landscaped areas in the institutional use campus;
 - iv) a Parkette;
 - v) landscaped pedestrian linkages through the central portion of the community along the east-west collector roads; and,
 - vi) small open space areas that are intended to provide a visual connection and access to the open space areas along Borer's Creek.
- b) Natural features that are not specifically designated on Map B.4.2-1 - Waterdown North - Land Use Plan, such as hedgerows, shall be protected and incorporated into the open space system and public and private development projects, wherever possible. The relocation of native plant materials from *development* areas to parks and other open space areas shall be encouraged, subject to approval by the City.
- c) Neighbourhood Parks shall be visible and accessible to the public. Unobstructed views and access to major components of the open space and parks system shall be provided. Continuous road frontage adjacent to such facilities shall be encouraged.
- d) All lands designated Neighbourhood Park shall be secured by the City, or other public agency, in accordance with the policies of Volume 1 and the City's Parkland Dedication By-law.
- e) Lands conveyed to the City as Neighbourhood Parks shall be graded, landscaped, restored and/or enhanced as required by the City and, where relevant, in accordance with an Environmental Impact Statement approved by the City.

- f) Appropriate planting shall be encouraged along public rights-of-way, including road corridors and the pipeline easement, both to create ecological linkages and for visual amenity. The east-west collectors, identified as the Community Spine on Appendix A – Waterdown North - Community Structure Plan, shall be designed to provide an east-west landscaped pedestrian linkage connecting the two neighbourhoods, Borer's Creek, the institutional use campus, the parks, the commercial area and Main Street. Enhanced design standards, as outlined in the Waterdown North Urban Design Guidelines, including roadway design and landscaping, shall be employed to create a safe and pedestrian friendly environment.
- g) All new planting on public lands in Waterdown North should be in the form of native plant species.
- h) The City supports the creation of an interconnected trail system using the Borer's Creek Valley and the pipeline corridor as a pedestrian and cycling link between Waterdown North and other areas, including the Parkside Drive Woodlot, Joe Sam's Park and the Bruce Trail.
- i) Trail connection shall be provided across the Borer's Creek in the vicinity of the existing dam to provide a pedestrian link between the east and west neighbourhoods. The location and characteristics of this trail connection shall be determined through an Environmental Assessment completed by the City.
- j) Trails within the Natural Open Space designation shall be designed and constructed in a manner that protects the integrity of these areas and maintains and protects the natural heritage features and their functions.
- k) Environmental buffers shall be included within the Natural Open Space designation. The width of the buffer shall be determined through the preparation of an EIS for development on adjacent lands. The purpose of an environmental buffer is to protect the ecological function and integrity of significant natural features and to provide the opportunity for enhancement and restoration. Lands in the environmental buffer shall be preserved in their natural, undisturbed condition, or in cases where the indigenous vegetation has been removed, shall be landscaped through appropriate planting. Measures shall be required to protect the buffer during construction. A public pathway is permitted in the buffer.
- l) The Zoning By-law may provide that lands within the environmental buffer may be included in the land area of abutting development lands for purposes of calculating density, notwithstanding that the lands within the buffer shall be conveyed to the City.
- m) The City shall compensate landowners from the parkland reserve for any over-dedication of parkland, at fair market value.
- n) Utility corridors and storm water management facilities, while not part of the Open Space and Parks system, may be used to link Natural Open Space and provide visual amenity.

4.2.7 Institutional Designation

The Institutional designation, as identified on Map B.4.2-1 – Waterdown North – Land Use Plan, recognizes an existing institutional use campus in Waterdown North, comprised of the Allen A. Greenleaf Public Elementary School,

Waterdown Public High School and the YMCA, and provides for the expansion of the high school. These institutions provide for the needs of citizens of the community and surrounding areas. These uses shall be provided in a manner which ensures the needs of local residents are met, and that *development* is *compatible* with adjacent land uses.

- 4.2.7.1 In addition to Section E.3.10 – Community Facilities/Services Policies and Section E.6.0 – Institutional Designation, the following general policies apply to lands within the Institutional designation identified on Map B.4.2-1 – Waterdown North - Land Use Plan:
- a) The expansion of Waterdown Public High School shall be undertaken in a manner that is sensitive to adjacent residential areas in regards to the siting of buildings and the locations of off-street parking and loading areas.
 - b) Adequate provision shall be made for vehicular and/or pedestrian access to Institutional areas in order to effectively integrate the institutional uses with the surrounding residential community. Provision shall be made for appropriate pedestrian linkages to facilities in the Institutional designation, to the satisfaction of the City.
 - c) No expansion to institutional facilities shall be permitted unless the City is satisfied that adequate servicing capacity is available to accommodate the expansion.
 - d) Should lands identified for the expansion of the high school not be required for school use, these lands may be used for Low Density Residential 1 purposes in accordance with Sections B.4.2.4.2 and B.4.2.4.3. (OPA 247)

4.2.8 Utility Designation

In addition to Section C.3.4 – Utility Designation of Volume 1, the following policies shall apply to the lands designated Utility on Map B.4.2-1 – Waterdown North – Land Use Plan:

- a) Until such time as the location of specific storm water management facilities has been determined, these facilities shall be represented by symbols on Map B.4.2-1- Waterdown North - Land Use Plan. Once the final locations of these facilities have been determined, the facilities shall be designated Utility on Map B.4.2-1 - Waterdown North - Land Use Plan.
- b) No *development* may proceed in Waterdown North until adequate arrangements have been made for the provision of public and private utilities, to the satisfaction of the City.
- c) Public and private utility services shall be:
 - i) installed within public road allowances, other City owned land or within appropriate easements;
 - ii) encouraged, wherever possible, to coordinate and locate within a common trench to avoid unnecessary over-digging and disruption of municipal rights-of-way;
 - iii) clustered or grouped where possible to minimize visual impact; and,

- iv) encouraged to consider innovative methods of containing utility services on or within streetscape features such as gateways, lamp posts, transit shelters, etc.
- d) Prior to approval of *development* applications, all interested utilities and telecommunication providers shall confirm that service can be provided to support the proposed *development*, and determine appropriate locations for large telecommunication equipment and utility cluster sites. Prior to development proceeding, proponents of development are to coordinate with the utility providers to ensure the provision of necessary utility services, in a manner that is consistent with the policies of this Plan.
- e) All dwelling units shall be set back a minimum distance of 20 metres from the pipeline within the Sun-Canadian Pipeline Company Limited easement on the western perimeter of the Secondary Plan area, which is designated Utilities on Map B.4.2-1 - Waterdown North - Land Use Plan.
- f) Proposed planting on the pipeline easement in accordance with Policy B.4.2.6.1f) shall be subject to the approval of the Sun Canadian Pipeline Company Limited.

4.2.9 Urban Design Policies

The principles of urban design influence the physical design and layout of a community. It is an important planning tool used to help achieve a recognizable image of a community, enhance the quality of life, and promote a greater economic vitality through the more efficient use of resources. Good urban design, both in the public and private realm, is required in the Waterdown North community.

- 4.2.9.1 Notwithstanding Section B.3.3 – Urban Design Policies of Volume 1, *development* in Waterdown North shall occur in accordance with the Waterdown North Urban Design Guidelines.
- 4.2.9.2 A high quality of neighbourhood development shall be achieved in Waterdown North by:
 - a) developing a strong community image and character, which may be articulated in the design of built form, natural features, architecture, streetscape design details, gateways, open space and multi-modal systems and road patterns;
 - b) incorporating important existing features and conditions. These features may include natural areas such as woodlots, valley lands, ponds, creeks and streams, heritage features or important views and vistas;
 - c) enhancing the visual experience of residents, motorists and pedestrians. This objective may be achieved through the strategic alignment of road rights-of-way, the layout of circulation and open space systems and the siting of major features, public uses and built form; and,
 - d) implementing the Waterdown North Urban Design Guidelines.
- 4.2.9.3 *Development* shall be based on an interconnected system of public and private streets and pedestrian routes that facilitate continuous and direct

movement throughout the Secondary Plan area. The road system shall generally reflect a grid pattern to facilitate pedestrian, cycling and vehicular circulation.

4.2.9.4 Streets and buildings shall be designed and developed to ensure attractive streetscapes, and to promote social interaction, transit usage, and safety. Enhanced building elevations shall be required for flankage lots.

4.2.9.5 Streetscape components shall consist of street trees, lighting, street furniture, signage, built form and landscape features. The design of these streetscape elements shall be coordinated in order to:

- a) communicate the image and character of the Waterdown North Area;
- b) reinforce the street network;
- c) promote an urban relationship between built form and public spaces;
- d) achieve a pedestrian-scaled environment for the public domain that is safe and comfortable; and,
- e) de-emphasize the importance of the garage/car on the streetscape.

4.2.9.6 Roofscapes shall be designed to provide visual interest for the public streetscape.

4.2.9.7 The layout of streets, configuration of lots and the siting of buildings shall ensure that:

- a) there is no reverse lotting or backlotting adjacent to streets unless otherwise approved by the City;
- b) visibility to parks, open space, community facilities, and significant views, shall be encouraged through continuous street frontages, whenever possible;
- c) streets and open spaces have an appropriate degree of continuity and enclosure, and opportunities are provided for the creation of views both within the community and to adjacent natural heritage and rural areas; and,
- d) development surrounding or facing parks and open spaces shall have a high level of building, streetscape and landscape design, and shall generally be oriented towards the public spaces.

4.2.9.8 Gateway intersections shall be designed as integral components of the arterial streets. At these locations, the sense of entrance, arrival and movement shall be reinforced and achieved through the surrounding built form and site planning.

4.2.9.9 Community image and identity shall be conveyed through the detailed design of the built form and entrance features. The design shall include orienting the primary building to face the intersection/corner, and the use of special architectural elements and landscape features.

4.2.9.10 Service and parking facilities shall be integrated into the design of buildings to minimize disruption to the safety and promote attractiveness of the adjacent public realm.

- 4.2.9.11 The safety and security for all persons in public places including streets, parks and amenity areas shall be promoted through the design and siting of buildings, entrances, walkways, amenity and parking areas to provide visibility and opportunities for informal surveillance.
- 4.2.9.12 *Development* shall reinforce the importance of public and institutional buildings in the community and enhance their role through design, location and orientation.
- 4.2.9.13 *Development* shall be *compatible* with adjacent open space areas and surrounding development in the Waterdown community.
- 4.2.9.14 Street trees shall be planted and replaced along arterial and residential streets in the community. Trees shall be planted to improve the appearance of the streetscapes and replace trees lost due to *development*.
- 4.2.9.15 The City shall work with the utility agencies (public and private) to encourage and determine appropriate design, location and provision of services within the public realm. Above ground utilities shall be visually screened by the use of attractive utility box designs, street furniture, light standards and other streetscape elements.
- 4.2.9.16 The placement of public art at appropriate public and private *development* sites shall be encouraged to enhance the overall quality of Waterdown North by creating local landmarks and heightening the neighbourhood image and identity.
- 4.2.9.17 Loading areas shall be designed to:
- a) minimize the visual, noise, and air impact on the surrounding environment. In commercial development, the service and loading areas shall be located away from residential uses and arterial roads; and,
 - b) be accessible but not highly visible.
- 4.2.9.18 Parking areas shall be organized into small units separated by landscaping and pedestrian facilities to provide safe, attractive pedestrian environments and visual enhancement.
- 4.2.9.19 Convenient surface parking shall be provided for commercial areas without affecting the character of major streetscapes. Parking areas shall be located at the rear or side of the blocks whenever possible and connected to the streetscape through pedestrian links.
- 4.2.9.20 The City shall take a leading role in proactively promoting superior development design including the creation of a high quality public realm.
- 4.2.9.21 The City shall use a variety of tools in accordance with the policies of Section B.4.2.13 – Implementation and the Planning Act, R.S.O., 1990 c. P.13, to help provide principles and guidance towards promoting Waterdown North as a “high quality neighbourhood”. These include:
- a) Waterdown North Urban Design Guidelines;

- b) architectural control;
- c) subdivision approval;
- d) zoning and design standards; and,
- e) site plan control.

4.2.9.22 Prior to draft approval of a plan of subdivision or site plan approval, an urban design brief shall be submitted to demonstrate compliance with the urban design policies of this Plan and the Waterdown North Urban Design Guidelines. The urban design brief shall include text, plans, details and/or elevations, as necessary, to demonstrate how the intent of the Secondary Plan policies and the Waterdown North Urban Design Guidelines have been met.

4.2.10 Cultural Heritage Resources Policies

There are several residences in Waterdown North of potential heritage significance. These residences are to be assessed for their merit for retention and incorporation into the new community. In addition, the potential for resources of archaeological significance needs to be evaluated prior to *development* activity occurring within the community.

4.2.10.1 Three properties in Waterdown North have been identified by the City as having historical or architectural merit: 111 Parkside Drive; 157 Parkside Drive (residence demolished); and 619 Centre Road (residence demolished). Prior to approval of *development* applications, these properties shall be reviewed by the City and a determination shall be made as to whether the properties are to be designated under the Ontario Heritage Act or listed in the City's Inventory of Buildings of Architectural and/or Historical Interest. It is the intent of the Secondary Plan to encourage the retention and conservation of buildings of architectural or historical merit on their original sites and to promote the integration of these resources into new *development* proposals in their original use or an appropriate adaptive reuse.

4.2.10.2 Prior to the construction of infrastructure or *development* approval, an archaeological assessment shall be completed to the satisfaction of the City and the Province. No grading or other disturbance shall take place on any site within Waterdown North prior to the issuance of a letter of clearance from the Province.

4.2.11 Transportation Policies

The transportation system in the Waterdown North community is intended to promote a variety of modes of travel, including roads, transit, cycling and walking for people to live, work, shop and attend school in the area. The pedestrian and bicycle network shall be recognized as a vital component of the overall transportation system. The transportation system reflects the recommendations of the Waterdown/Aldershot Transportation Master Plan for North Waterdown Drive through Waterdown.

4.2.11.1 In addition to Section C.4.0 – Integrated Transportation Network of Volume 1, the following policies shall apply:

- a) The proposed transportation network servicing this Secondary Plan area shall include public roads and lanes, private access roads, pedestrian/bicycle

pathways and potential future transit routes. A conceptual road network, including approximate alignment of collector and local roads and lanes, is shown on Appendix A – Waterdown North – Community Structure Plan. Alternative local road alignments shall be considered by the City provided that it can be demonstrated the intent and objectives of this Secondary Plan are met in a similar or superior manner. Changes to local roads and lanes shall not require an amendment to this Plan. Lands within the Medium Density Residential 3 and High Density Residential 1 designations shall be developed with an internal road structure as determined appropriate by the City through the review of *development* applications.

- b) The proposed network of key roads, including collector and arterial roads and other roads that help to define the urban structure of Waterdown North, is shown on Map B.4.2-1- Waterdown North - Land Use Plan. The collector and arterial road system is shown on Map B.4.2-2- Waterdown North - Road Classification Plan.
- c) A grid pattern of streets shall generally be required to provide an interconnected road system for ease of pedestrian, cycling and vehicular circulation.
- d) The alignment of the road network shall be detailed within plans of subdivision. The rights-of-way of all streets within and bordering the Secondary Plan area shall be protected and dedicated in accordance with the requirements of the City.
- e) The right-of-way width of major collector roads shall generally be 26 metres, subject to confirmation through review of detail design to ensure that all required roadway features can be accommodated.
- f) The location and width of the proposed arterial road shall be determined through the completion of the Waterdown/Aldershot Transportation Master Plan.
- g) The provision of roundabouts at collector road intersections shall be encouraged. Potential locations for roundabouts have been shown conceptually on Map B.4.2-2- Waterdown North - Road Classification Plan. The extent and nature of roundabouts shall be confirmed through the review of development applications.
- h) Significant transportation network improvements are required prior to the *development* of much of the Waterdown North community. The City shall restrict the number of housing units that may be developed prior to completion of the required transportation network improvements, in accordance with Policy B.4.2.13.1.
- i) The completion of the connection of North Waterdown Drive to Centre Road shall not be permitted by the City until measures have been put in place to prevent vehicular traffic infiltration onto Main Street, to the satisfaction of the City.
- j) Access shall generally not be permitted from individual residential lots to arterial roads, with the exception of a limited number of lots fronting on Parkside Drive in accordance with Section B.4.2.4.3 a). Multiple accesses to *development* blocks from the arterial roads shall be discouraged. Access to

individual properties or buildings abutting arterial roads, particularly in mixed use, medium density and other multiple unit residential *development*, from rear lanes and/or adjoining local roads shall be strongly encouraged. The nature and location of accesses to the arterial roads shall be confirmed through the review of *development* applications.(OPA 247)

- k) Rear access lanes for residential and mixed use dwellings shall be encouraged where the use of these streets shall provide for:
 - i) the realization of higher densities along collector roads and adjacent to parks in built forms *compatible* with adjacent development;
 - ii) an improved pedestrian realm uninterrupted by driveways; and,
 - iii) continuous on-street parking to serve live-work areas.
- l) Rear access lanes shall be designed in accordance with the Waterdown North Urban Design Guidelines and Section B.4.2.9 – Urban Design Policies to achieve objectives of safety, ease of maintenance, and maximizing cost efficiency.
- m) On-street parking shall be encouraged at appropriate locations.
- n) Sidewalks, on-road cycling lanes and multi-use paths serving pedestrians and bicycles throughout the community shall be required and confirmed through the review of *development* applications.
- o) The pedestrian system shall ensure the safety of pedestrians and shall provide user-friendly facilities and amenities to encourage pedestrian use.
- p) Pedestrian safety and ease of access for children in and around institutional areas shall be considered by the City in the review of subdivision and site plan applications.
- q) A comprehensive transit review by the City shall be undertaken for Waterdown to address transit routing and the integration of transit with other modes of transportation.
- r) To encourage future use of public transit within the community, the following guidelines shall be considered at the subdivision and/or site plan approval stage where potential transit stop locations have been identified by the City:
 - i) local road patterns should provide direct pedestrian access to transit stops; and,
 - ii) using information available from the appropriate transit authorities, applicants shall document walking distances to transit stops as part of the background information accompanying draft plan of subdivision submissions.

4.2.12 Infrastructure Policies

Infrastructure, such as sewers, water and storm water systems, shall be provided, maintained and upgraded as necessary to accommodate the needs of existing and future development in Waterdown North and the surrounding community.

4.2.12.1 In addition to Section C.5.0 – Infrastructure of Volume 1, the following policies shall apply:

- a) No *development* may proceed in Waterdown North until adequate arrangements have been made for the provision of infrastructure, including the construction of a water tower, to the satisfaction of the City.
- b) The locations of storm water management facilities are identified conceptually on Map B.4.2-1 – Waterdown North - Land Use Plan. The location, sizing, and nature of these facilities are to be determined through a storm water management study prior to approval of draft plans of subdivision and/or site plans. Once the final locations for storm water management facilities have been determined, the facilities shall be designated Utility on Map B.4.2-1 - Waterdown North - Land Use Plan. The design of storm water management systems shall reflect the policies and guidelines of the City and the Conservation Authority. Storm water management facilities shall be designed to complement the natural characteristics of adjacent open space areas and provide visual amenity for surrounding development.
- c) Where a storm water management study, prepared to the satisfaction of the City in accordance with Policies B.4.2.12.1 a) and b), confirms that any storm water management facility identified on Map B.4.2-1– Waterdown North Land Use Plan is not required, demonstrated to the satisfaction of the City, the lands may be developed in accordance with the underlying designation.

4.2.13 Implementation

Development Phasing Policies

4.2.13.1 Significant transportation network improvements are required throughout the Waterdown Aldershot Master Transportation Plan Area prior to the *development* of much of the Waterdown North community. No *development* shall proceed in Waterdown North until the following conditions have been completed to the satisfaction of the City:

- a) A traffic study has been prepared by the developer demonstrating that excess capacity exists to accommodate the proposed *development*, or;
- b) Where it has been demonstrated that no excess capacity exists, no *development* shall proceed until such time as the following conditions have been satisfied to the satisfaction of the City:
 - i) completion of the Waterdown Aldershot Transportation Master Plan;
 - ii) construction of required transportation upgrades and/or improvements, land dedication, and/or financial contributions as determined by the City, pursuant to the Waterdown Aldershot Transportation Master Plan and the approved Secondary Plan to accommodate the new *development* proposed; and,
 - iii) the City may require a Traffic Impact Study to demonstrate that any phasing of the developable land can be accommodated in the overall network for Waterdown / Aldershot.

- c) A water tower has been constructed pursuant to the Water/Wastewater Master Plan.

Land Dedication and Acquisition Policies

- 4.2.13.2 The City may acquire and hold any lands required to implement any feature of this Secondary Plan, in accordance with the Planning Act, R.S.O., 1990 c. P.13. Such actions may include the expropriation of lands required to implement the servicing of the community, including the required water tower, or the major road network in the Plan, including North Waterdown Drive, where the property owners or the developers group are unable to secure lands for the construction of the required servicing or road infrastructure.

4.2.14 Area and Site Specific Policies

Area Specific Policy – Area A

- 4.2.14.1 Deleted by OPA 247

Area Specific Policy – Area B

- 4.2.14.2 Notwithstanding Policy B.4.2.4.2 e), on lands identified as Area Specific Policy – Area B on Map B.4.2-1 – Waterdown North – Land Use Plan, reverse frontage or backlotted lots shall be permitted adjacent to the Neighbourhood Park. (OPA 247)

Area Specific Policy – Area C

- 4.2.14.3 Notwithstanding Policy E.4.6.10 of Volume 1 and Policy B.4.2.4.8, on lands identified as Area Specific Policy – Area C on Map B.4.2-1 Waterdown North – Land Use Plan, only live-work housing forms shall be permitted.

Area Specific Policy – Area D (OPA 37)(OPA 109)(OPA 247)

- 4.2.14.4 The following policies shall apply to the lands identified as Area Specific Policy – Area D on Map B.4.2-1 – Waterdown North – Land Use Plan:
 - a) Notwithstanding Policies E.3.5.2 of Volume 1, and Policy B.4.2.4.5 b) i), for the lands designated Medium Density Residential 1 the permitted uses shall be restricted to block townhouses.

B.4.3 Waterdown South Secondary Plan (OPA 5)**4.3.1 Development Concept**

The Waterdown South Secondary plan comprises roughly 180 ha of land located in the east end of Waterdown, extending between Dundas Street to the north and Mountain Brow Road to the south, the municipal boundary along Kerns Road to the east and the Renwood Park subdivision to the west. The Secondary Plan has been designed to respect and enhance a number of prominent natural areas throughout the community, including Grindstone Creek, Falcon Creek, Hager Creek, the Waterdown Escarpment Woods and Grindstone Creek Valley Environmentally Significant Areas (ESAs), and the Falcon Creek Provincially Significant Wetland Complex, each of which has been incorporated into a Natural Heritage System.

Waterdown South is located within the Niagara Escarpment Plan Area. The community should be developed with a streetscape and built form character that is compatible with the natural environment and key visual characteristics of the Niagara Escarpment. Where appropriate, to create this urban character height restrictions, adequate setbacks, landscape screening, boulevard treatments, and alternative road design may be required to minimize the visual impact of development on the Escarpment Landscape.

Kerns Road and part of Mountain Brow Road should be maintained as special character roads to create a sense that the community is well connected to the Niagara Escarpment's natural environment.

Development should be designed and located so as not to have a negative Impact on the Natural Open Space – Natural Area, the Natural Open Space – Protection Area, and other designated natural heritage features, as well as on water quality and quantity, wildlife, visual attractiveness, and cultural heritage features.

The Waterdown South community is intended to offer a full range of housing opportunities from large lot residential homes through to apartment and adult lifestyle (retirement) living in an urban context. Block patterns, and school, park and commercial locations shall create walkable neighbourhoods. A central neighbourhood node should be within walking distance of each neighbourhood. Small-scale commercial and live-work uses, along with community facilities/services shall be encouraged within each neighbourhood node.

Large lot residential housing is planned in the western portion of the Waterdown South community to complement and provide a transition to the established Renwood Park subdivision. The extent of natural areas and features within the community affords excellent opportunities for other areas of large lot housing, particularly adjacent to Waterdown Woods.

The Waterdown South Secondary Plan provides the opportunity to create an 'aging in place' adult lifestyle community in the northeast portion of the community, containing a variety of ground-related and medium-rise housing forms, recreational uses, and small scale commercial uses serving the immediate residents.

Medium density housing is planned along arterial and collector roads through

the community, and within the-vicinity of each neighbourhood node. Higher density housing is planned for the Mixed Use – Medium Density designated area situated between Dundas Street and Grindstone Creek in the north/central portion of the community. This area shall support residential, institutional, office, retail, and service commercial uses and shall include a pedestrian-oriented 'retail main street' shopping area along the key entrance to the community where shops and restaurants shall be required to face directly onto the street.

4.3.2 Principles and Objectives

The following principles and objectives provide the framework for the planning and development of the Waterdown South Secondary Plan area and shall be achieved through the policies and mechanisms set out in this Secondary Plan and the Official Plan.

4.3.2.1 Residential

- a) Promote compact urban form that creates varied and distinguishable residential neighbourhoods.
- b) Encourage a mix of uses and housing types that meet the housing needs of residents throughout their life cycles and allows them to remain within the community.
- c) Create residential communities which incorporate a high standard of community planning and urban design practices while protecting and enhancing the natural environment.
- d) Support future public transit service by locating commercial and higher intensity residential uses along Dundas Street West, the north-south arterial road, the collector road spine, and within neighbourhood nodes located at the intersections of such roadways.
- e) Promote live-work opportunities in appropriate locations within walking distance of neighbourhood residents.
- f) Encourage pedestrian travel, cycling, and other forms of active transportation as alternative modes of movement by introducing safe, well connected pedestrian and cycling networks in the community that link to external systems.
- g) Promote urban design that is compatible with the natural environment and visual character of the Niagara Escarpment.
- h) Limit the height of development to ensure that there shall be no substantial visual impact on the Niagara Escarpment.

4.3.2.2 Commercial

- a) Designate a Mixed Use – Medium Density area, a District Commercial area and Local Commercial nodes at strategic locations to promote live-work relationships, create neighbourhood identity and focal points, reduce commuting, and support future public transit services.
- b) Locate retail shops along a pedestrian oriented 'main street' within the Mixed Use – Medium Density designated area with on-street parking.

- c) Encourage other retail, office and service commercial uses on the bottom floor(s) of residential apartment buildings but also permit stand alone commercial buildings as interim uses in the Mixed Use – Medium Density designation.
- d) Limit the amount and scale of new retail development to ensure that it complements and does not impact the planned function of established commercial areas, including Downtown Waterdown.
- e) Ensure commercial areas incorporate a high standard of community planning and urban design and, where applicable, integrate with nearby significant natural heritage features.

4.3.2.3 Natural Heritage System and Open Space

- a) Establish a natural heritage system within the context of an urban setting that protects, preserves and, where appropriate, enhances significant natural heritage features, functions and linkages over the long-term.
- b) Maintain wildlife movement corridors along the Niagara Escarpment and through the Grindstone Creek valleylands.
- c) Maintain or enhance, to the greatest extent possible, the predevelopment surface water and ground water quality and quantity in accordance with municipal and Conservation Authority standards in order to protect and enhance on-site and downstream fisheries and wetlands, on-site and off-site karst features and functions, as well as drinking water for those downstream residences on well-based systems.
- d) Employ, where appropriate, naturalized forms of storm water management, that minimize storm water run-off and impervious surfaces, and reduce the need for, and size of storm water management ponds.
- e) Respect and maintain the existing drainage boundaries within the Waterdown South Planning Area, to the satisfaction of the City of Hamilton in consultation with Conservation Halton.
- f) Ensure, through appropriate studies and mitigation measures, that public safety is not compromised and property damage does not result from building and infrastructure construction within the vicinity of known karst features.
- g) Provide, where feasible, a passive recreational trail system through the natural heritage system.
- h) Provide adequate public access to the Niagara Escarpment by such means as pedestrian trails (e.g. the Bruce Trail) and associated parking areas.
- i) Respect the objectives and policies of the Niagara Escarpment Plan and ensure the cumulative impact of development shall not have a serious detrimental effect on the Escarpment environment, including its water quality, vegetation, wildlife, and the unique Escarpment landscape.
- k) Ensure that development is compatible with, and provides for, the protection

of unique ecological areas, significant wildlife habitat, and water quality and quantity, both inside and adjacent to the Waterdown South Planning Area.

4.3.2.4 Transportation/Transit/Pedestrian/Cycling Linkages

- a) To create a system of roads and transportation corridors that promotes the safe, efficient and timely circulation of vehicular and non-vehicular traffic, and contributes to the public realm through a street, block and land use pattern that encourages walking and other forms of active transportation, creates pedestrian-oriented streetscapes, and links the components of the community.
- b) Create a grid system of arterial, collector, and local roads and discourage cul-de-sacs, wherever possible.
- c) Create a linked pedestrian and cycling network consisting of bicycle lanes, paths, walkways, and sidewalks on local and collector roads, through parks and schools, the hydro corridor, along Grindstone Creek, and through storm water management facilities and natural heritage features in a manner that has regard for the ecological function of the area and minimizes impacts.
- d) Provide pedestrian network connections to the historic centre of Waterdown, the surrounding neighbourhoods, and to the existing natural open space systems external to the Waterdown South Secondary Plan area.
- e) Design the east-west collector road as a pedestrian and bicycle-oriented spine of the community linking all significant land uses within the community.
- f) Plan residential development and its road network so residents are predominantly within a 400 metre walking distance of neighbourhood parks, commercial facilities, and future public transit services.
- g) Promote future public transit opportunities through land use arrangements, building orientation, and streetscape design.
- h) Orient streets to promote energy conservation.
- i) Ensure that all new and reconstructed roads are designed and located to minimize the impact on the Escarpment environment such design may differ from the *City of Hamilton Engineering Guidelines*.
- j) Create road and boulevard designs that transition and blend into the surrounding Escarpment landscape, along Mountain Brow Road and other new roads abutting the Escarpment Natural and Escarpment Protection Areas such design may differ from the *City of Hamilton Engineering Guidelines*.
- k) Maintain and enhance natural vegetation within the Mountain Brow Road, and Kerns Road rights-of-way where possible.
- l) Provide a secure route for the Bruce Trail where it exists in the Waterdown South Planning Area.
- m) Protect views of the Escarpment landscape from Mountain Brow Road and Kerns Road, and provide opportunities for views from new local roads

abutting the Escarpment Natural and Protection Areas.

4.3.2.5 Infrastructure

- a) Provide for the extension of water and wastewater services in a timely and efficient manner throughout the Waterdown South Secondary Plan area.
- b) Provide for drainage and storm water management facilities in accordance with the recommendations of the South Waterdown Subwatershed Study, and in locations which can complement the natural heritage system.
- c) Design storm water services so as not to adversely affect downstream water quality, water quantity, and the Escarpment environment.

4.3.2.6 Urban Design

- a) Provide integrated community design that coordinates land use, open space, the street network, and built form elements to achieve and reinforce a high quality, integrated community vision.
- b) Incorporate elements of Waterdown South's distinct natural and cultural heritage in the establishment of design characteristics that shall promote and achieve unique community design.
- c) Establish gateways at strategic locations to function as entranceways to Waterdown and the community of Waterdown South.
- d) Create an urban fabric characterized by an interconnected street network that is responsive to existing natural heritage, surrounding land uses, and cultural heritage elements.
- e) Integrate views of natural heritage features into the community design.
- f) Promote public transit, walking, cycling, and recreational connections through a well connected system of streets, walkways, and trails.
- g) Design streets and built form that promote personal safety through natural surveillance opportunities.
- h) Promote building forms and site layouts that address the street and which locate and orientate on-site parking, garages, and service/loading areas to minimize the impact to the streetscape.
- i) Create street and building design that promotes pedestrian comfort and vitality at the grade level of buildings.
- j) Promote design variety within the streetscape.
- k) Promote a variety of housing forms with diverse architecture for individuals and families of all ages.
- l) Encourage mixed use development along strategic corridors and within walking distance of neighbourhoods.
- m) Integrate community and institutional uses at visible, highly accessible

locations.

- n) Create streetscapes and built form that are compatible in design with the visual and natural environment of the Niagara Escarpment, where they abut the Natural Open Space – Natural Area and Natural Open Space – Protection Area designations.

4.3.3 Residential Designations

- 4.3.3.1 The residential areas are designated Low Density Residential 1, Medium Density Residential 1, and Medium Density Residential 2, as shown on Map B.4.3-1 – Waterdown South Secondary Plan – Land Use Plan. The following policies are applicable to each of these land use designations. (OPA 247)

- 4.3.3.2 The land use boundaries, shown on Map B.4.3-1, shall prevail in case of conflict with Schedule A or Schedule E-I.

- 4.3.3.3 General Residential Policies

In addition to Section E.3.0 - Neighbourhoods Designation of Volume 1, the following general policies shall apply to all residential land use designations identified on Map B.4.3-1 - Waterdown South - Land Use Plan:

Function

- a) A variety of housing opportunities suitable to a wide range of housing needs shall be encouraged through a variety of tenure options, housing prices and housing forms, including adult lifestyle housing and innovative housing ideas.
- b) A broad range and mix of housing types shall be promoted between and within residential designations. The City shall strive to achieve a variety of building types within each designation, such that no portion of the Secondary Plan Area is dominated by one housing type, and to provide an interesting streetscape.
- c) Residential development in the Waterdown South Planning Area shall have a *compact urban form* that encourages *active transportation*.

Permitted Uses

- d) Deleted in its entirety (OPA142)
- e) *Home businesses* may be permitted accessory to a dwelling unit in all residential designations in accordance with Policy C.3.2.2 a) of Volume 1 and subject to the requirements of the Zoning By-law.
- f) Community facilities and institutional uses such as schools, places of worship, day care centres and other related community and institutional uses, shall be permitted in all residential designations, in accordance with Section B.3.5 - Community Facilities/Services Policies of Volume 1 and subject to the implementing Zoning By-law, provided:
 - i) the lot to accommodate the use is located along an arterial or collector road; and,

- ii) the lot is of a sufficient size to accommodate the use as determined through the requisite zoning, subdivision and site plan approval process.

Scale

- g) Density shall be calculated on a *net residential density* basis. Net residential density may be averaged over each plan of subdivision within the designation.
- h) The size and scale of housing with supports, including residential care facilities, long-term care facilities, and retirement homes shall be similar to, and oriented to the built form permitted in each designation.

Design

- i) To promote *compatible redevelopment*, new residential infill development shall comply with the policies of Section E.2.4 – Residential Intensification and Section B.3.3 – Urban Design Policies of Volume 1, as well as any relevant Urban Design Guidelines in accordance with Section F.3.2.5 of Volume 1.(OPA 247)
- j) Garage protrusion shall be discouraged to create more attractive streetscapes and provide interactive outdoor space for pedestrians. The implementing Zoning By-law shall contain provisions restricting the extent of garage protrusions.
- k) Where townhouses are proposed, a mix of townhouse block lengths is encouraged to provide variety to the streetscape. The creation of long townhouse blocks should be avoided and building setbacks and/or alternate building facades shall be encouraged to prevent long stretches of monotonous elevation. The zoning by-law shall contain standards controlling setbacks and the number of units within a townhouse block.
- l) A variety of housing elevations shall be encouraged within each residential block to provide an interesting streetscape. In support of this policy, demonstration of how the development shall meet the Secondary Plan Urban Design Guidelines shall be required as a condition of draft plan of subdivision approval.
- m) Direct vehicle access to individual dwelling units from major arterial roads shall not be permitted.
- n) Direct access to individual street townhouse units from Skinner Road may be discouraged where necessary to maintain road function and alternative forms of access such as use of shared or common access points and rear lane arrangements shall be permitted and encouraged.
- o) Reverse frontage lotting patterns shall be discouraged, and may only be permitted under certain circumstances or where the owner satisfies the City that no other alternative development form or street patterns are feasible. The use of long stretches of acoustical walls adjacent to arterial roads shall also be discouraged.

- p) The arrangement of collector roads, land uses, and densities should be planned so that residential units are predominantly located within a 400 metre walking distance of commercial facilities including local commercial nodes.

4.3.3.4 Low Density Residential Designations

Section E.3.4 - Low Density Residential of Volume 1 shall apply to the lands designated Low Density Residential on Map B.4.3-1 - Waterdown South - Land Use Plan. (OPA 247)

4.3.3.5 Medium Density Residential Designations (OPA 247)

In addition to the policies of Section E.3.5 - Medium Density Residential of Volume 1, the following policies shall apply to the lands designated Medium Density Residential on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) In the Medium Density Residential 1 designation:
 - i) Policy E.3.5.4 of Volume 1 shall not apply.
 - ii) Notwithstanding Policy E.3.5.8 of Volume 1, the maximum permitted height shall be three storeys.
- b) In the Medium Density Residential 2 Designation:
 - i) In addition to Policy E.3.5.2 of Volume 1, a limited number of single detached dwellings and semi-detached dwellings shall be permitted, as well as street townhouse dwellings, low rise apartments, other forms of multiple dwellings, and live-work units subject to the implementing Zoning By-law.
 - ii) The overall density of lands designated Medium Density Residential 2 shall be in the range of 60 to 75 units per net residential hectare (upnrh).
 - iii) Notwithstanding Policy E.3.5.8 -of Volume 1, the maximum building height for single and semi-detached dwellings shall be 3 storeys with a maximum height of 4 storeys for all other permitted housing forms.
 - iv) Single detached and semi-detached dwellings shall generally comprise a maximum of 25% of the housing units within the Medium Density Residential 2 designation.

4.3.4 Commercial Designations

- 4.3.4.1 The commercial areas are designated Mixed Use - Medium Density, District Commercial and Local Commercial, as shown on Map B.4.3-1 – Waterdown South Secondary Plan - Land Use Plan. The following policies shall apply to each of these land use designations.

4.3.4.2 Commercial General Policies

In addition to Section E.4.0 - Commercial and Mixed Use Designation of Volume 1, the following policies shall apply to all commercial and mixed use land use

designations identified on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) Total retail and service commercial floor space within Mixed Use - Medium Density and District Commercial designations shall not exceed 25,000 square metres, provided that office and service commercial uses above the ground floor shall not be included in the total floor space limitations.
- b) Notwithstanding Policy E.4.2.11 of Volume 1, a Market Impact Study shall not be required for the permitted retail space in 4.3.4.2 a)
- c) Commercial areas shall be developed in a co-ordinated and comprehensive manner. Access points along arterial and collector roads shall be limited and regard shall be given to the sharing of access points, adequate internal traffic circulation, and adequate off-street parking, loading and manoeuvring facilities.
- d) Open storage of goods and materials shall not be permitted.
- e) Loading and unloading areas shall be located so as to minimize adverse effects to adjacent residential areas and shall be screened from view.
- f) Landscaping shall form an integral part of all developments and screening and buffering shall be provided between commercial and sensitive adjacent land uses.
- g) The distribution and phasing of retail and service commercial space in the commercial designations of this Secondary Plan shall be in accordance with Section 4.3.14.4.

4.3.4.3 Mixed Use – Medium Density

In addition to the policies of Section E.4.6 – Mixed Use – Medium Density Designation of Volume 1, the following policies shall apply to lands designated Mixed Use – Medium Density on Map B.4.3-1 – Waterdown South – Land Use Plan:

Function

- a) The Mixed Use – Medium Density designation is intended to function as a mixed use area consisting of mid-rise residential buildings and at grade commercial uses serving the adjacent neighbourhoods.
- b) The Mixed Use Medium Density designation is intended to accommodate a range of residential, commercial, institutional, and service uses. Such designated area may be developed primarily for residential use or primarily for commercial use in the initial stage, but it is envisioned that over time the area shall evolve into a truly mixed use area with residential and commercial uses mixed, either within the same building, or in certain locations within separate buildings on the same or abutting lots.

Permitted Uses

- c) Notwithstanding the uses permitted in Policy E.4.6.5 of Volume 1, the following uses shall be permitted:
 - i) commercial uses such as retail stores, auto and home centres, home

improvement supply stores, offices oriented to servicing residents
personal services, financial establishments, live-work units, artist studios,
restaurants, and gas bars;

ii) institutional uses such as hospitals, places of worship, fire halls, and
schools;

iii) arts, cultural, entertainment, and recreational uses;

iv) hotels;

v) *multiple dwellings*;

vi) one lot depth of street townhouses located abutting and backing onto
the Grindstone Creek Natural Area; and,

vii) accessory uses.

d) Notwithstanding Policy E.4.6.6 of Volume 1, the following uses shall be
prohibited:

i) vehicle dealerships;

ii) garden centres as a primary use; and,

e) Notwithstanding Policy E.4.6.6 of Volume 1, the following uses shall be
prohibited adjacent to Collector Road A:

i) drive-through facilities;

ii) car washes;

ii) motor vehicle service stations;

iv) gas bars; and,

v) residential uses on the main floor of any building.

Scale and Location

f) The permitted density of lands with the Mixed Use - Medium Density
designation shall be a maximum of 2.5 times the lot area (Floor Space Index
(FSI)) or generally a range of 60 to 200 units per net residential hectare for
exclusive residential developments of up to 8 storeys in height, and 200-300
units per net residential hectare for buildings of 8 - 12 storeys in height.

g) Total retail and service commercial floor space within the Mixed Use - Medium
Density designation shall not be less than 3,600 square meters, and the
maximum floor area shall be no greater than that permitted in Section
B.4.3.4.2 less the total floor area constructed within the District Commercial
Designation. The minimum floor area above shall be constructed along and
oriented to Collector Road A.

h) Notwithstanding Policies E.4.6.7 and E4.6.8 of Volume 1, a maximum building
height of 8 storeys shall be permitted, but building heights may be increased

up to 12 storeys, subject to a Visual Impact Assessment which demonstrates to the satisfaction of the City and the Niagara Escarpment Commission that the matters set out in Policy B.4.3.14.1 h are addressed;

- i) It is expected that a municipal fire station, as permitted by Policy B.4.3.4.3 c) ii), occupying a site of up to 0.8 ha shall be required in this area along Dundas Street at a future signalized intersection. To create the main street character, a location on Collector Road A is discouraged.

Design

- j) The following policies shall apply to buildings and lands located adjacent to Collector Road A:
 - i) Retail space and buildings shall be oriented in a 'retail main street' configuration with storefronts located close to the street and principal entrances facing the sidewalk to create a pleasant pedestrian shopping environment.
 - ii) The principal public entrance shall face the street and provide direct access onto the public sidewalk. The windows and signage shall also face the street.
 - iii) Buildings should have a consistent minimal setback in accordance with the Waterdown South Secondary Plan Urban Design Guidelines required in Section 4.3.10.
 - iv) The implementing Zoning By-law shall establish a minimum requirement for 3,600 sq. m. of retail and service commercial space to be provided along the 'retail main street' area.
 - v) No parking, driveways, lanes or aisles shall be permitted between buildings and the public sidewalk.
 - vi) The built form may include stand-alone stores, multiple unit commercial buildings, or mixed use buildings with commercial uses on the ground floor adjacent to the street and residential or office uses above or behind.
 - vii) The Waterdown South Secondary Plan Urban Design Guidelines, as required in Section B.4.3.10 shall provide more detailed direction and demonstrate how the 'retail main street' and pedestrian character of the street shall be developed, and Policies B.4.3.4.3 j i) through vi) inclusive shall be implemented.
- k) The Waterdown South Secondary Plan Urban Design Guidelines, as required in Section B.4.3.10, and the implementing Zoning By-law shall establish build-to-lines and a minimum frontage per-block to be occupied by buildings within the Mixed Use - Medium Density designation. A lesser requirement may be established on Dundas Street and other streets outside of the 'retail main street' area.
- l) Parking lots abutting the street shall be screened with low walls, or landscape material so as to provide a sense of enclosure along the setback line.

- m) On-street parking shall be provided wherever possible, and may contribute to parking requirements in combination with sufficient off-street parking.
- n) The implementing Zoning By-law for the Mixed Use - Medium Density designation shall consider lower commercial parking standards, which take into account the intended pedestrian nature of the 'retail main street' oriented uses and the role of on-street parking in meeting parking demands.
- o) A detailed concept plan for the Mixed Use - Medium Density designation shall be required to be completed to the satisfaction of the City before approval of any zoning, plan of subdivision, or site plan application. The concept plan shall demonstrate:
 - i) How the policies of this Plan are being implemented;
 - ii) The location and configuration of the 'retail main street' area;
 - iii) Means to accommodate traffic flows through the area including access points and the private and public street network;
 - iv) The treatment of intersections within the designation to ensure pedestrian comfort while also ensuring an appropriate flow of traffic;
 - v) An appropriate build-to-line for each street;
 - vi) An appropriate minimum frontage-per-block for each street;
 - vii) The proportion of retail space to be provided along the 'retail main street';
 - viii) The location of initial and potential future residential and mixed use buildings; and,
 - ix) How the area can evolve and intensify over time to a fully mixed use area.

4.3.4.4 District Commercial Designation

Notwithstanding the policies of E.4.72 through E.4.7.16 - District Commercial Designation of Volume 1, the following policies shall apply to lands designated District Commercial on Map B.4.3-1 - Waterdown South – Land Use Plan:

Function

- a) The District Commercial designation is intended to accommodate a range of retail and service commercial uses intended to serve a neighborhood shopping function which meets the weekly and day-to-day retail and service commercial needs of residents in the secondary plan area and adjacent neighborhoods.

Permitted Uses

- b) The following uses shall be permitted:
 - i) commercial uses including retail stores and supermarkets except that a

single user over 10,000 square metres shall not be permitted, personal service and restaurants, gas bars, car washes and motor vehicle service stations;

- ii) offices;
 - iii) live-work units and residential uses above commercial units;
 - iv) places of worship, day care centres, libraries, fire and police stations, post offices, recreational facilities, community centres, meeting spaces and similar uses; and,
 - v) accessory uses.
- c) Sole residential buildings are not permitted within the District Commercial designation.

Scale and Location

- d) The designation shall permit up to 16,000 square metres of retail and service commercial floor space provided the total retail and service commercial floor space within the District Commercial and the Mixed Use – Medium Density designations combined do not exceed 25,000 square metres.
- e) Offices uses on the same lot shall not exceed 2,000 square metres

Design

- f) Single use stores greater than 5,000 square meters may be situated along Dundas Street, in the interior of the site or at the rear of the site, with smaller foot print buildings located close to Skinner Road. Alternatively, larger stores may be located up to the streetline along Skinner Road provided they are lined with smaller stores, multiple entrances, or other similar means to animate the streetscape along Skinner Road.
- g) Parking lots abutting the street shall be screened with low walls or landscape material to provide a sense of enclosure along the setback line.

4.3.4.5 Local Commercial Designation

In addition to the policies of Section E.3.8 - Local Commercial of Volume 1, the following policies shall apply to lands designated Local Commercial on Map B.4.3-1 - Waterdown South - Land Use Plan:

Function

- a) Local Commercial designated areas are to function as neighbourhood focal points or nodes that meet the day-to-day commercial needs of nearby residents and are located within walking distance of patrons. They are intended to accommodate small scale retail and service uses in small nodes along with stand alone medium density housing.
- b) Local Commercial designated areas are generally located at the intersection of two collector roads or a collector and arterial roads and are spaced throughout the community to provide maximum accessibility to

pedestrians.

Permitted Uses

- c) Notwithstanding Policy E.3.8.2 and E.3.8.10 - Local Commercial of Volume 1, the following uses shall be permitted:
 - i) small scale retail and service uses such as retail, restaurant, personal service, professional office, business office, medical office, day care centre, financial establishment, studio, art gallery, tradespersons shop, and veterinary service;
 - ii) stand alone medium density residential uses in accordance with Policy 4.3.3.7:
 - iii) live-work buildings in the form of townhouses consisting of ground floor commercial or office uses with a residential unit above;
 - iv) low rise apartment buildings with ground floor retail, service commercial or office uses can perform a neighbourhood node function;
 - v) small scale community facilities/services; and,
 - vi) public spaces such as a village or neighbourhood square.

Prohibited Uses

- d) Notwithstanding Policy E.3.8.2 (a) and E.3.8.3 - Local Commercial of Volume 1, drive-through facilities and motor vehicle service stations shall be prohibited.

Scale

- e) The permitted net residential density shall generally range from 50 to 75 units per net residential hectare.
- f) The maximum permitted building height shall be 4 storeys.
- g) The implementing Zoning By-law shall establish a maximum floor area for small scale commercial uses in recognition of the limited retail function of this designation.

Design

- h) Buildings shall face the street with a minimal consistent setback.
- i) The principal public entrance shall face the street and provide direct access onto the public sidewalk. The primary windows and signage shall also face the street.
- j) On-street parking shall be permitted on the adjacent collector roads. In most circumstances, it is the intent that all parking needs for commercial uses should be achieved through on-street parking.

- k) The implementing Zoning By-law shall give consideration to establish lower parking standards which take into account the intended pedestrian nature of these uses, shared parking opportunities within live-work buildings, and the contribution of on-street parking to meet parking demand.
- l) Required on-site parking and loading areas shall be encouraged to be located to the rear of buildings to achieve an attractive streetscape and a pedestrian-friendly built-form environment. Where parking lots abutting the street are unavoidable due to unique circumstances, they shall be screened with low walls and landscape materials, but shall not be located in front of buildings.

4.3.5 Neighbourhood Park Designation

4.3.5.1 The following policies shall apply to the lands designated Neighbourhood Park on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) Lands designated Neighbourhood Park shall be visible and accessible to the public, with unobstructed views to the provided to improve surveillance of such areas.
- b) A pedestrian and bicycle trail network shall be established to link parks and open space with adjacent residential areas as follows:
 - i) Appropriate trail linkages shall be made with the hydro corridor crossing the Secondary Plan area, the Bruce Trail system through the Niagara Escarpment lands to the south, and the neighbourhoods to the north.
 - ii) It is intended that the network shall use public streets, sidewalks, and public open space lands.
 - iii) The network shall be identified through the Urban Design Report for the Public Realm as set out in Policy B.4.3.12.2 b) and, more specifically delineated during the processing of subsequent plans of subdivision.
- c) Municipal infrastructure such as water towers and pumping stations may be located within part of a Neighbourhood Park; however, the lands required for the facility shall not contribute to parkland dedication requirements.
- d) As shown on Map B.4.3-1 - Waterdown South Secondary Plan - Land Use Plan, neighbourhood Parks shall be located no more than 800 metres apart, and the majority of residential uses within the Secondary Plan area shall generally be located within a 400 metre distance (5 minute walk) of a park.
- e) Neighbourhood Parks shall be encouraged to be located adjacent to and in conjunction with schools sites; however, school sites shall not be considered to satisfy any parkland dedication requirements. Where appropriate, Neighbourhood Parks shall be located adjacent to other greenspace areas such as the hydro corridor, storm water management ponds, and the Natural Heritage System in order to augment the natural heritage and open space system throughout the Waterdown South community.
- f) Neighbourhood Parks shall be generally intended to be square or rectangular in shape, have a significant street frontage, and be

approximately 2.0 hectares in size. However, to provide flexibility in the design of draft plans of subdivision, the specific location, size and shape of the designated Neighbourhood Parks may vary subject to the approval of the City without an amendment to this Plan.

- g) In co-operation with the respective utility companies, the City shall establish a pedestrian and bicycle trail network along the hydro corridor that traverses the Waterdown South Secondary Plan area and extends beyond the community.

4.3.6 Institutional Designation

4.3.6.1 The following policies shall apply to lands designated Institutional on Map B.4.3-1 – Waterdown South – Land Use Plan:

- a) The permitted uses on lands designated Institutional shall include schools, day care centres, places of worship, long term care facilities, residential care facilities, *community facilities/services*, and other similar institutional uses,
- b) All schools shall be located adjacent to designated Parks to provide opportunities to share facilities.
- c) Map B.4.3-1 identifies the general location and size of two elementary schools, as requested by the Hamilton-Wentworth Catholic District School Board and the Hamilton-Wentworth District School Board. The location of these school sites may be moved and the size may be changed without amendment to this Plan as follows:
 - i) The specific location and size of each designated school site shall be determined as part of the approval process of the draft plan of subdivision in which each school site is located.
 - ii) The need for a particular school site shall also be confirmed by the School Board as part of the approval process, and the timing for which the site is reserved shall also be established at that time.
- d) At the time of subdivision approval, school sites may be zoned for both institutional and residential purposes having regard to the abutting density and form of development.
- e) Should any or all of the designated school sites not be required by the appropriate school board, such lands may be used for Low Density Residential 2 purposes without amendment to this Plan.
- f) The maximum permitted building height shall be 15 metres.
- g) Institutional buildings should be accessible by all modes of transportation, and designed as neighbourhood focal points, which create a distinctive community identity and sense of place, and serve as landmarks for orientation and local identity.

4.3.7 Natural Heritage System

The Waterdown South Secondary Plan area contains a number of significant natural

heritage features, including two Core Areas: Waterdown Escarpment Woods and Grindstone Creek Valley. The Secondary Plan Area also contains a Provincial Life Science Area of Natural and Scientific Interest; the Falcon Creek Provincially Significant Wetland Complex; and other woodland, stream, wetland, and hedgerow features. The area also contains significant vegetation communities, which provide habitat for significant plant and wildlife species,

The predevelopment landscape within the Waterdown South Secondary Plan area consists largely of cultivated farmland bisected by the Grindstone Creek and its valleylands. The area is divided into three watersheds associated with the Grindstone, Falcon, and Hager Creeks. The western portion of the Secondary Plan area drains into Grindstone Creek, the eastern portion into Falcon Creek and a small area of the south-eastern portion into Hager Creek.

A sub-watershed planning study has been completed to the satisfaction of the Cities of Hamilton and Burlington and Conservation Halton and satisfies Section C.2.8. of Volume 1. The study was undertaken to identify and evaluate the significance of all natural heritage features and functions within the Waterdown South Secondary Plan area and to establish a framework for more detailed levels of evaluation at succeeding stages of the planning process. This Secondary Plan implements the recommendations of the sub-watershed study by setting out a Natural Heritage System which is proposed to maintain, restore and enhance the natural heritage features, areas and functions within the Planning Area.

Within portions of the Waterdown South Secondary Plan area, the creeks noted above have created karst conditions consisting of sinkholes, sinking streams, and springs (see South Waterdown Subwatershed Study – Stage 2 Report by EcoPlans et. Al.). Some of the surface karst is located within the Natural Heritage System shown on Map B.4.3-2 and as such, is already outside of the developable area; however, there are several areas outside of the Natural Heritage System that also contain karst topography. Section B.4.3.8 provides direction with regards to development within these karst areas that are outside of the Natural Heritage System, as shown on Map B.4.3-2, and in accordance with recommendations of the South Waterdown Subwatershed Study – Stage 2 Report.

4.3.7.1 General Policies

- a) The Natural Heritage System shall include the following:
 - i) lands designated Natural Open Space – Natural Area on Map B.4.3-1 – Waterdown South – Land Use Plan;
 - ii) lands designated Natural Open Space – Protection Area on Map B.4.3-1 – Waterdown South – Land Use Plan;
 - iii) lands designated Natural Open Space – Grindstone Creek Natural Area on Map B.4.3-1 – Waterdown South – Land Use Plan;
 - iv) Core Areas as shown on Map B.4.3-2 – Waterdown South – Natural Heritage System and Natural Hazard Features; and,
 - v) streams as shown on Map B.4.3-2 – Waterdown South – Natural Heritage System and Natural Hazard Features.
- b) Some of these lands may be both designated on Map B.4.3-1 -Waterdown

South - Land Use Plan and identified as Core Area on Map B.4.3-2 - Waterdown South - Natural Heritage System and Natural Hazard Features. The policies of both the designation and the Core Area identification shall apply.

- c) Core Areas are comprised of several natural heritage features which are independently shown on Schedules B-1 through B-8 of Volume 1.
- d) The natural heritage features are linked by natural corridors, which are necessary to maintain biological diversity within the Waterdown South Secondary Plan Area. Wherever possible and feasible, development within the Waterdown South Secondary Plan area should promote a net gain within the Natural Heritage System by restoring, enhancing, and linking habitat.
- e) Where the lands within the Natural Heritage System are under private ownership, nothing in this Plan implies that the lands shall be secured for public ownership. Where the use of the lands is deemed appropriate for public ownership by the City or other public agency, suitable acquisition options shall be considered.
- f) For the purposes of policies C.2.2.2, C.2.2.4, C.2.5.1, C.2.5.5, C.2.5.8, C.2.5.10, C.2.5.11, C.2.5.14 and C.2.7 of Volume 1:
 - i) the City deems the study requirements to have been satisfied by the South Waterdown Subwatershed Study and the policies of this secondary plan;
 - ii) the City deems the Core Area boundaries as the boundaries determined by the South Waterdown Subwatershed Study;
 - iii) vegetation protection zone widths shall be in accordance with Section B.4.3.7.5 of this Secondary Plan.

4.3.7.2 Natural Open Space – Grindstone Creek Natural Area

In addition to the applicable policies of Section C.2.0 -Natural Heritage System of Volume 1, the following policies shall apply to the lands designated Natural Open Space - Grindstone Creek Natural Area on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) The Natural Open Space - Grindstone Creek Natural Area designation represents the significant natural heritage features and natural hazard areas within the Grindstone Creek portion of the Secondary Plan area, The designation shall consist of:
 - i) Grindstone Valley ESA;
 - ii) The valley corridors and associated riparian areas of Grindstone Creek Tributary 1 as identified in the South Waterdown Subwatershed Study; and,
 - iii) The greater of the floodplain, meander belt or stable top of bank of the Grindstone Creek. As set out in the South Waterdown Subwatershed Study, the boundary of the floodplain and top of bank may change through cut and fill permitted by Conservation Halton.
- b) Notwithstanding Policy C.2.5.1 of Volume 1, *Development and site alteration*

shall be prohibited with the exception of the following limited uses:

- i) Forest, wildlife and fisheries management;
 - ii) Low intensity passive recreation uses where they do not impact sensitive natural features or ecological functions;
 - iii) Existing agricultural operations and other existing uses;
 - iv) Infrastructure, roads, and utilities, which may be permitted to cross the Natural Heritage System where a scoped Environmental Impact Statement or Environmental Assessment demonstrates no negative impacts on the natural features or the ecological functions for which the area was identified and demonstrates that there are no reasonable alternative location(s); and,
 - v) Flood and erosion control, and channel modifications, including site alteration to accommodate a storm water outfall, to deepen channels (where critical fish habitat does not exist) or to stabilize steep, eroding slopes, subject to an approved Environmental Impact Statement and obtaining permission from Conservation Halton pursuant to Ontario Regulation 162/06, as may be amended.
- c) Storm water management facilities shall generally not be permitted. However, in cases where there is no alternative location, encroachment into the vegetation protection zones may be permitted if it can be demonstrated, through an Environmental Impact Statement, that there shall be no negative impacts on the ecological features and functions of the adjacent natural feature. No encroachment shall be permitted within 30 metres of a Provincially Significant Wetland, with the exception of minor grading, that may be necessary for adjacent storm water management pond out falls.
- d) Notwithstanding Policies B.4.3.7.2 b) and c), within lands subject to *Ontario Regulation 162/06*, as may be amended, a permit is required from Conservation Halton for development and site alteration.
- e) Design and construction activities related to the extension of utilities under the Natural Open Space - Grindstone Creek Natural Area shall be evaluated by a geotechnical engineer in collaboration with a karst specialist.

4.3.7.3 Natural Open Space – Natural Area Designation

In addition to the applicable policies of C.2.0 – Natural Heritage System of Volume 1, but notwithstanding the policies of C.3.3 – Open Space Designations of Volume 1, the following policies shall apply to the lands designated Natural Open Space – Natural Area on Map B.4.3-1 – Waterdown South – Land Use Plan:

- a) The Natural Open Space – Natural Area includes escarpment features and associated stream valleys, wetlands, and forests, which are relatively undisturbed. This area contains important plant and animal habitats, and geological features, as well as cultural heritage features, and is the most significant natural and scenic area of the Niagara Escarpment. The policies aim to maintain these natural areas and protect them from the impacts of

adjacent development.

- b) The Niagara Escarpment Plan sets out the following objectives for this designation:
 - i) To maintain the most natural Escarpment features, stream valleys, wetlands and related significant natural areas and associated cultural heritage features;
 - ii) To encourage compatible recreation, conservation and educational activities; and,
 - iii) To maintain and enhance the landscape quality of Escarpment features.
- c) The Natural Open Space – Natural Area is intended to represent the most significant ANSI (Life Science), the most significant stream valleys and wetlands associated with the Escarpment, and forested lands 300 metres from the brow of the Escarpment slope. As such, The Natural Open Space – Natural Area designation shall consist of:
 - i) Escarpment slopes and related landforms associated with the underlying bedrock, which are in a relatively natural state;
 - ii) the Waterdown Escarpment Woods ESA;
 - iii) the Provincially Significant Falcon Creek Wetland Complex;
 - iv) the significant valley corridors and associated riparian areas of Falcon Creek as identified in the South Waterdown Subwatershed Study;
 - v) the Floodplain of Falcon Creek; and,
 - vi) habitat of threatened and endangered species.
- d) Notwithstanding Policy C.2.5.1 of Volume 1, development within the Escarpment Natural Area shall be prohibited with the exception of the following limited uses:
 - i) Existing agricultural operations and other existing uses;
 - ii) Non-intensive recreation uses such as nature viewing and trail activities except motorized vehicle trails or the use of motorized trail vehicles;
 - iii) Forest, wildlife and fisheries management;
 - iv) Archaeological activities;
 - v) Essential transportation and utility facilities where an EIS or Environmental Assessment demonstrates no significant negative

impacts on the natural features or the ecological functions for which the area was identified;

- vi) Uses permitted in Park or Open Space Master/Management Plans, which are not in conflict with the Niagara Escarpment Plan;
 - vii) Essential watershed management and flood and erosion control projects carried out or supervised by a public authority including site alteration to accommodate stormwater management pond outfall;
 - viii) The Bruce Trail corridor including the pedestrian footpath and, where necessary, bridges, boardwalks and other trail-related constructions and unserviced Overnight Rest Areas and Access Points for Bruce Trail Users; and
 - ix) Nature preserves owned and managed by an approved conservation organization.
- e) Storm water management facilities shall generally not be permitted; however, in cases where there is no alternative location, encroachment into *vegetation protection zones* may be permitted if it can be demonstrated, through an Environmental Impact Statement, that there shall be no negative impacts on the ecological features and functions of the adjacent natural feature. No encroachment shall be permitted within 30 metres of a Provincially Significant Wetland, with the exception of minor grading that may be necessary for adjacent storm water management pond out falls.
- f) Notwithstanding Policies B.4.3.7.3 d) and e), on lands subject to *Ontario Regulation 162/06*, as may be amended, a permit is required from Conservation Halton for *development and site alteration*.
- g) The Regional floodlines for the Falcon Creek system shall be verified through additional study at the subdivision planning stage.

4.3.7.4 Natural Open Space – Protection Area Designation

In addition to the applicable policies of C.2.0 – Natural Heritage System of Volume 1, but notwithstanding the policies of C.3.3 – Open Space Designations of Volume 1, the following policies shall apply to the lands designated Natural Open Space – Protection Area on Map B.4.3-1 – Waterdown South – Land Use Plan:

- a) Natural Open Space – Protection Areas are important because of their visual prominence and their environmental significance. They are often more visually prominent than Natural Open Space – Natural Areas. Included in this designation are Escarpment features that have been significantly modified by land use activities such as agriculture or residential development, land needed to buffer prominent Natural Open Space – Natural Areas, and natural areas of regional significance. The policy aims to maintain the remaining natural features and the open, rural landscape character of the Escarpment and lands in its vicinity,

- b) The *Niagara Escarpment Plan* sets out the following objectives for this designation:
- i) To maintain and enhance the open landscape character of Escarpment features;
 - ii) To provide a buffer to prominent Escarpment features;
 - iii) To maintain natural areas of regional significance and cultural heritage features; and,
 - iv) To encourage agriculture, forestry and recreation features.
- c) The Natural Open Space – Protection Area designation shall consist of:
- i) Escarpment slopes and related landforms where existing land uses have significantly altered the natural environment (e.g. agricultural lands or residential development);
 - ii) Areas in close proximity to Escarpment slopes, which are visually part of the landscape unit; and,
 - iii) Regionally Significant Areas of Natural and Scientific Interest (Life Science) or areas designated as environmentally significant by the City.
- d) Notwithstanding Policy C.2.5.1 of Volume 1, development within the Escarpment Protection Area shall be prohibited with the exception of the following uses:
- i) Existing agricultural operations and other existing uses;
 - ii) Recreational uses oriented towards the land which require minimal modification of the existing natural, topographic and landscape features and which do not require the building of major structures;
 - iii) Forest, wildlife and fisheries management;
 - iv) Archaeological activities;
 - v) Transportation and utility facilities;
 - vi) Uses permitted in Park or Open Space Master/Management Plans, which are not in conflict with the Niagara Escarpment Plan;
 - vii) Watershed management and flood and erosion control projects carried out or supervised by a public authority including a stormwater management pond outfall;

- viii) The Bruce Trail corridor including the pedestrian footpath and, where necessary, bridges, boardwalks and other trail-related constructions and unserviced Overnight Rest Areas and Access Points for Bruce Trail users;
- ix) Nature preserves owned and managed by an approved conservation organization.
- e) Storm water management facilities shall generally not be permitted. However, in cases where there is no alternative location, encroachment into vegetation protection zones may be permitted if it can be demonstrated, through an Environmental Impact Statement, that there shall be no negative impacts on the ecological features and functions of the adjacent natural feature. A permit shall be required from Conservation Halton for development and site alteration. No encroachment shall be permitted within 30 metres of a Provincially Significant Wetland, with the exception of minor grading that may be necessary.

4.3.7.5 Vegetation Protection Zones

The specific natural heritage features within the Natural Heritage System, as defined in Policy 4.3.7.1 and based on the South Waterdown Subwatershed Study, shall, notwithstanding Policy C.2.5.9 of Volume 1, be retained and protected from adjacent development by appropriate *vegetation protection zones* in accordance with the following policies:

- a) The width of *vegetation protection zones* should be based on the ecological sensitivity of the feature, and the type and nature of proposed adjacent uses, and shall be, as a minimum:
 - i) 15 metres measured from the dripline of woodlands or from the boundary of the Waterdown Woods ESA and the Area of Natural and Scientific Interest (ANSI) and Wetland 5;
 - ii) 15 metres adjacent to the greatest hazard associated with Grindstone Creek (i.e. flood plain, meander belt or stable top of bank);
 - iii) 15 metres adjacent to the greatest hazard associated with Falcon and Hager Creeks (i.e. flood plain, meander belt or stable top of bank);
 - iv) 30 metres from the boundary of all provincially *significant wetlands* (PSW).
- b) No grading shall be permitted within 30 metres of all units of the Falcon Creek Wetland Complex and within the vegetation protection zones described in Policy 4.3.7.5 a) subsections i), ii) and iii, with the exception of minor grading that may be necessary for adjacent stormwater management pond outfalls.
- c) Where identified and surveyed, these vegetation protection zones are incorporated within the Open Space Designations depicted on Map B.4.3-1 or Map B.4.3-2 and shall be subject to the policies and permitted uses for the

Natural Heritage System.

- d) Where previously not identified and surveyed, a scoped Environmental Impact Statement shall confirm the boundaries of natural features, and the appropriate vegetation protection zone(s) in accordance with subsection (a) above, to the satisfaction of the City in consultation with Conservation Halton, and once established, they shall be subject to the policies and permitted uses for the Natural Heritage System.
- e) Grading, lot lines, and impervious surfaces shall not be permitted within the *vegetation protection zone*.
- f) Storm water management facilities shall generally not be permitted within the *vegetation protection zone*, except for required storm water management pond outfalls. However, in cases where there is no alternative location, encroachment of storm water management facilities into vegetation protection zones may be permitted if it can be demonstrated, through an Environmental Impact Statement, that there shall be no *negative impacts* on the ecological features and functions of the adjacent natural feature.
- g) Vegetation protection zones shall remain in or be returned to a naturally vegetated state.
- h) Lands subject, to Ontario Regulation 162/06, as may be amended, require a permit from Conservation Halton for development and site alteration.

4.3.8 Natural Hazard Features

4.3.8.1 Hazard Lands – Karst Area

Hazard Lands – Karst Area are identified on Map B.4.3-2 – Waterdown South – Natural Heritage System and Natural Hazard Features. These lands contain known surface and subsurface karst features. The area is considered to have a moderate potential for risk to public safety and property damage as a result of bedrock instability and soil subsidence. As well, the karst features conduct subsurface flows to springs in the Grindstone Valley ESA. These springs provide important baseflow to downstream coldwater fisheries and potentially contribute groundwater to downstream residents that are on well-based systems.

4.3.8.2 In addition to Section B.3.6.5 of Volume 1, the following policies shall apply to the lands identified as Hazard Lands - Karst Area on Map B.4.3-2:

- a) Notwithstanding Policy B.3.6.5.7 of Volume 1, due to the safety and environmental concerns noted in Section 4.3.8.1, *development* shall not be permitted within the Hazard Lands - Karst Area with the possible exception of water and wastewater services, and utilities. Such infrastructure shall be subject to detailed geological, hydrogeological, and geotechnical analyses, as outlined in the Stage 3 report of the South Waterdown Subwatershed Study, to the satisfaction of the City in consultation with Conservation Halton, which demonstrates that karst hazards can be appropriately mitigated and there shall be no negative impacts on downstream springs and stream flows.

- b) Where infrastructure is contemplated, subject to Policy B.4.3.8.2 a), it shall be designed and constructed in accordance with a geotechnical engineer's recommendations, in consultation with a karst specialist, at the detailed design stage, having regard for appropriate standards and protocols for building in karst so as to mitigate potential impacts on the underground infrastructure.
- c) Notwithstanding Policies B.4.3.8.2 a) and b), safety and environmental risks are low along the south edge of the Hazard Lands - Karst Area. Some limited development related to storm water management facility infrastructure, such as environmental setbacks, an access road, and a sediment drying area are considered to be acceptable activities within that portion of the Hazard Lands - Karst Area, provided any excavations are shallow and generally do not extend into the bedrock.
- d) Any newly identified karst hazardous areas not currently shown as Hazard Lands - Karst Area on Map B.4.3-2, shall comply with the policies of this Plan, including Policies B.4.3.8.2 a), b), c), and d).
- e) Development within karst areas requires a permit from Conservation Halton pursuant to Ontario Regulation 62/06, as may be amended.

4.3.8.3 Karst Constraint Areas

The following policies shall apply to Karst Constraint Areas identified on Map B.4.3-2 - Waterdown South - Natural Heritage System and Natural Hazard Features',

- a) Development and site alteration may be permitted in the Karst Constraint Areas identified on Map B.4.3-2 where:
 - i) The effects and risk to public safety are sufficiently minor as to be managed or mitigated;
 - ii) A risk assessment is undertaken;
 - iii) New karst hazards are not created and existing karst hazards are not aggravated;
 - iv) The quality and quantity of surface water draining from the Secondary Plan area in the post-development condition does not significantly impact downstream karst processes or features;
 - v) No negative impacts on the karst features and functions shall result; and,
 - vi) If karst features are encountered during subsurface excavation work, karst mitigation measures shall be undertaken, in accordance to the Karst Implementation Plan in Stage 3 of the South Waterdown Subwatershed Study.
- b) *Development* or site alteration within Karst Constraint Areas requires a permit from Conservation Halton pursuant to Ontario Regulation 162/06, as may be amended.
- c) The following policies shall also apply to lands identified as Karst Constraint Area 'B' on Map B.4.3-2:

- i) A site-specific investigation of groundwater management concerns and karst remediation requirements shall be required where the installation of servicing infrastructure involves excavation into bedrock and karst conditions are encountered;
 - ii) The use of grouting techniques shall be minimized to limit potential impacts to spring flow or baseflow;
 - iii) For the construction of basements in Karsts Constraint Area "B", excavation into the bedrock should be minimized where possible. If building base grades extend down to the top of the bedrock, or into bedrock, and karst features are encountered, the features should be remediated as a function of the specific construction-related activity.
 - iv) Facility design and construction activities should be evaluated by a geotechnical engineer in collaboration with a karst specialist at the detailed design stage.
- d) The following policies shall also apply to lands identified Constraint Area 'C' on Map B.4.3-2:
- i) A geotechnical study shall be undertaken determine the load bearing capacity of the bedrock at the proposed Burke Street crossing of the Natural Open Space – Grindstone Creek Natural Area.
 - ii) The design of the proposed crossing structure should minimize the footprint of the footings required for it to be safely constructed and operated. This design shall minimize potential interference with surface water flow and groundwater flow into the bedrock below the stream-bed and the adjacent area.
- e) Within Karst Constraint Area 'D', as identified on Map B.4.3-2, the existing outcrop should be retained as a landscape feature, where feasible. If removal is necessary, then the outcrop shall be covered with fill during site grading.
- f) The following policies shall also apply to lands identified as Karst Constraint Area 'E' and Karst Constraint Area 'F' on Map B.4.3-2:
- i) Where development is contemplated, an additional study is required at the time of plan of subdivision;
 - ii) This additional study shall involve a subsurface investigation to determine specific design, construction, and operating concerns that could result from the karst;
 - iii) This study would include an assessment of construction Options for a storm water management facility;
 - iv) Components of this study would include:
 - i. additional karst feature mapping;
 - ii. observations of surface hydrology and spring monitoring;
 - iii. an evaluation of overburden type and thickness;

- iv. limited bedrock coring and associated downhole testing; and,
- v. Excavation of exploration trenches down to the bedrock surface.

The required study shall satisfy the requirements of Stages 4 and 5 of the Checklist for Development in Karst Terrain of the South Waterdown Subwatershed Stage 2 Report.

4.3.9 Utility Designation

4.3.9.1 In addition to the policies of Section C.3.4 - Utility Designation of Volume 1, the following policies shall apply to lands designated Utility on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) Notwithstanding policy C.3.4.2 of Volume 1, the following uses shall be permitted:
 - i) pipelines, including petroleum pipelines;
 - ii) hydroelectric transmission facilities;
 - iii) municipal water towers, and wastewater and storm water management facilities; and,
 - iv) secondary uses that are complementary to the utility functions of these lands, such as recreational uses, trails, and community gardens subject to consultation with the applicable utility agency.
- b) A major hydro-electric utility corridor traverses the Waterdown South Secondary Plan area, and a petroleum pipeline corridor exists along the west side of Kerns Road as shown on Map B.4.3-1. The City shall work in consultation with Hydro One and Enbridge Pipelines Inc., or their successor companies to establish pedestrian/bicycle path/trail linkages along these corridors.
- c) Improvements to create trail linkages within the hydro-electric utility corridor that traverses the Secondary Plan area shall be subject to the approval of Hydro One or its successor company.
- d) Proposed crossings of the petroleum pipeline corridor along the west side of Kerns Road by roads, pedestrian/bicycle paths, services, and utilities shall be subject to the approval of Enbridge Pipelines Inc. or its successor company,
- e) Grading and drainage of lands within and/or adjacent to the hydroelectric utility corridor shall be designed to ensure there are no adverse impacts on these lands and shall have regard for comments from Hydro One or its successor company.
- f) Storm water management facilities, water towers, sewage pumping stations, and utility uses not currently designated shall comply with Section B.4.3.13 - Infrastructure.

4.3.10 Urban Design Policies

The Waterdown South Secondary Plan Urban Design Guidelines have been

prepared to implement the design intentions of the Waterdown South Secondary Plan and the Policies of Section B.3.3 of Volume 1. The guidelines shall further the vision and concept plan for the Waterdown South community and identify means of achieving the concept through the planning process.

The following policies set out the matters the Waterdown South Secondary Plan Urban Design Guidelines shall address as well as the key urban design elements.

General Urban Design Policies

4.3.10.1 Streetscapes

The following policies provide direction on key streetscape design elements:

- a) *Development* shall foster streets as interactive outdoor space for pedestrians.
- b) A small village square should be incorporated into each Local Commercial designated area and a larger urban square incorporated in the District Commercial designation.
- c) The implementing Zoning By-law shall contain provisions restricting the extent of garage protrusions.
- d) Reverse frontage lotting patterns shall be discouraged and may only be permitted under certain circumstances where the owner satisfies the City that no other alternative development form or street patterns are feasible. Access via laneways, service roads, parallel lanes and window streets shall be encouraged as alternatives to reverse frontage or noise walls.
- e) Consideration shall be given to the location of telecommunications and utility equipment within the public right of way as well as on private property. The City encourages innovative methods of containing utility equipment on, or within streetscape features such as gateways, lamp posts, transit shelters, etc. Telecommunication utility equipment shall be clustered or grouped wherever possible to minimize visual impact.
- f) The streetscape appearance of arterial and collector roads shall be enhance by requiring flankage lots to present their main building facades or a second front facade to these roads and to enhance their facade treatment to avoid the appearance of blank building walls and service entrances.
- g) Where higher density housing forms are planned along collector roads, vehicular access via a rear lane shall be encouraged.
- h) On-street parking shall be provided within the District Commercial and Local Commercial designations where adjacent commercial or live-work uses are developed.
- i) Collector roads should be designed with dwellings and buildings facing onto the street with direct access from the street. Frequent block spacing and intersecting roads shall be accommodated along collector roads.
- j) Local roads should be developed as a system of interconnected streets and

relatively short blocks to promote pedestrian activity within neighbourhoods. To promote walking, these streets should be developed in the form of a modified grid pattern responding to the collector street network and open space lands.

- k) Dundas Street, west of Grindstone Creek shall have a strong built edge, wide sidewalks and tree planting with native Species, which shall lend it a more urban, developed character that reflects its significance as the community main street of Waterdown.
- l) Dundas Street, east of Grindstone Creek shall reflect a more rural setting in respect of the Rural designation north of Dundas Street. The tributary of Grindstone Creek, on the south side of Dundas Street in this area, can be used as a greenspace buffer to the development areas south of Dundas Street.
- m) Streetscape design should utilize traffic calming measures to promote pedestrian safety.
- n) All intersections should be designed to support safe pedestrian crossing. Major intersections should support pedestrian crossings, by providing safe crossing points, and connection to public walkways. Boulevard tree planting should be closely spaced in the vicinity of such intersections.
- o) Minor intersections should continue to feature landscape treatment through street tree selection with an increased density of boulevard tree planting.
- p) As part of a complete application, land owners shall be required to submit an Urban Design Report demonstrating how development applications meet the intent of the policies contained in this Secondary Plan and the Urban Design Guidelines.

4.3.10.2 Gateways

Gateways are nodal locations located at entry points into the area, and coincide with major intersections. In addition to Section B.3.3.4 – Gateways of Volume 1, the following policies shall apply to Gateways in the Waterdown South community:

- a) The Waterdown South Secondary Plan Urban Design Guidelines shall address streetscape, landscape and built form at the following gateways:
 - a. Dundas Street and Kerns Rd;
 - b. Dundas Street and Collector Road A;
 - c. Dundas Street and Burke Street; and,
 - d. Burke Street and Collector Road C.
- b) Urban Design Reports as submitted as part of a plan of subdivision application shall address streetscape, landscape, and built form elements within these gateways.
- c) A landscape plan identifying the specific design elements of the gateway

features shall be prepared to the satisfaction of the City as a condition of draft plan of subdivision approval.

- d) Along Mountain Brow Road, storm water management facilities may provide the opportunity for landscaped gateways into the community.

4.3.10.3 Mixed Use – Medium Density Designated Areas

- a) The Waterdown South Secondary Plan Urban Design Guidelines shall provide direction on how to achieve an intensified urban environment with a strong pedestrian orientation along Dundas Street.
- b) The ultimate development of the Mixed Use - Medium Density area should create a 'retail main street' along Collector Road A and a built form presence along Dundas Street.
- c) Although it is not the intent to have Dundas Street serve as a 'retail main street' in this location some buildings should be oriented to and face directly onto Dundas Street to achieve a built form presence.
- d) Building envelope provisions and the creation of a build-to zone through setback provisions and block frontages should be addressed in the urban design guidelines and set out in the implementing zoning by-law. The urban design guidelines, however, shall also provide guidance for interim uses and provisions that should encourage and facilitate intensification over time.
- e) The Waterdown South Secondary Plan Urban Design Guidelines shall provide guidance on the development of the 'Retail Main Street' area within the Mixed Use-Medium Density designation including that:
 - i) The orientation of the stores along the 'retail main street' area should create a strong pedestrian retail connection.
 - ii) The principal public entrance should provide direct access onto the public sidewalk along the "Retail Main Street" area.
 - iii) The primary windows and signage should face the street.
 - iv) Buildings facing the street should be encouraged to have awnings, canopies, arcades or front porches to provide weather protection.
 - v) Buildings should have a consistent setback.
 - vi) Parking lots abutting the street should be screened with low walls, or landscape materials to provide a sense of enclosure along the setback line.

4.3.10.4 District Commercial Designated Areas

- a) The Waterdown South Secondary Plan Urban design guidelines shall provide guidance on how stores shall address the street so that long blank walls adjacent to streets are avoided through multiple buildings and/or other design elements such as portions of frontages animated with windows or other design elements which achieve the same result. The building design, orientation and massing should be sensitive of the character and massing of

the adjacent residential built form.

- b) Buildings should have a consistent setback and parking lots abutting the street should be screened with low walls or landscape materials to provide a sense of enclosure along the setback line.

4.3.10.5 Local Commercial

- a) Local Commercial designated areas should be designed as small scale pedestrian-oriented areas. In addition to accommodating medium density housing forms, these node areas may be characterized by small pedestrian-oriented shopping areas that provide the opportunity for grade-related commercial uses with the potential for residential uses on upper storeys.

4.3.10.6 Special Character Roads

In addition to Section C.4.5.3 of Volume 1, with the exception of C.4.5.3.2, the following policies shall apply to Kerns Road and the portion of Mountain Brow Road between Burke Street and the major hydro-electric utility shown as Special Character Roads on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) These roads and the lands adjacent to them provide a unique and attractive environment due to their:
 - i) location adjacent to the Niagara Escarpment Plan Area;
 - ii) ability to provide transition between the natural area of the Niagara Escarpment and the urban area of Waterdown South; and,
 - iii) rural cross-section.
- b) Notwithstanding Policy C.4.5.3.3 of Volume 1, it is an objective of this Plan that the existing rural road cross-section including existing mature vegetation fronting the street be maintained where feasible. It is recognised that it may not be possible to implement this objective based on current City road design, grading, storm water management and servicing standards and as such unique approaches to grading, road design, storm water management, site servicing and to the preservation of trees along the road may be required if Special Character Road design is to be achieved. Provided a balance can be achieved between design and engineering objectives:
 - i) Development adjacent to the Special Character Roads shall be sensitive to the protection or enhancement of views towards the Niagara Escarpment.
 - ii) The character of this section of Mountain Brow Road, and of Kerns Road shall be protected by minimizing changes to the existing road right-of-way and ensuring that development is compatible with, and sympathetic in design to the character of the existing streetscape.
 - iii) Direct access for new uses shall be permitted, although there may be some restrictions in specific locations related to specific forms of development or the use of alternative designs.

- iv) Existing viewsheds along Mountain Brow Road and Kerns Road shall be maintained and enhanced through landscape measures so that the new built form does not dominate the viewsheds as one travels along these roads.
- v) Where Kerns Road or Mountain Brow road require reconstruction, such works shall be designed and constructed to minimize the impact on the Escarpment environment and to ensure the least possible change occurs in the natural landscape. This shall include road and boulevard design that blends into the surrounding Escarpment landscape, using landscape planting, vegetative screens and vegetation protection zones around the natural heritage features where feasible.

4.3.11 Cultural Heritage Resources

4.3.11.1 The Secondary Plan area contains a number of cultural heritage attributes including archaeological sites, areas of archaeological potential, and built heritage resources. In addition to Section B.3.4 - Cultural Heritage Resources Policies of Volume 1, the following policies shall apply to the study, protection and/or incorporation of cultural heritage resources within the Waterdown South Secondary Plan area:

- a) The retention and conservation of historical buildings, structures or features on their original sites shall be encouraged.
- b) The integration of cultural heritage resources into new *development* proposals in their original use or an appropriate adaptive reuse shall be promoted.
- c) Potential adaptive reuse strategies for built heritage resources shall be required to be addressed in the cultural heritage impact assessment. Notwithstanding the permitted uses within the designation in which these heritage buildings may be located, a broad range of residential, commercial, and institutional uses shall be permitted subject to the findings of the *cultural heritage impact assessment* report and provided they are appropriate and compatible.

4.3.11.2 Notwithstanding Policy B.3.4.2.12 of Volume 1, prior to approval of draft plans of subdivision, a detailed cultural heritage impact assessment may be undertaken if deemed necessary through formal consultation with the applicant to identify and analyze potential heritage buildings and structures of architectural interest. The cultural heritage impact assessment shall be undertaken by a qualified professional with demonstrated expertise in cultural heritage assessment, mitigation and management according to the requirements of the City's Cultural Heritage Impact Assessment Guidelines. The cultural heritage impact assessment shall contain the following:

- i) identification and evaluation of all potentially affected cultural heritage resource(s), including detailed site(s) history and a cultural heritage resource inventory containing textual and graphic documentation;
- ii) a description of the proposed development or site alteration and alternative

forms of the development or site alteration;

- iii) a description of all cultural heritage resource(s) to be affected by the development and its alternative forms;
- iv) a description of the effects on the cultural heritage resource(s) by the proposed development or site alteration and its alternative forms; and,
- v) a description of the measures necessary to mitigate the adverse effects of the development or site alteration and its alternatives upon the cultural heritage resource(s).

4.3.11.3 No cultural heritage landscapes have been identified within the Waterdown South Secondary Plan area as set out in "Hamilton's Heritage, Volume 2". As such, the policy requirements in Section B3.4 regarding cultural heritage landscapes shall not apply to lands within the Waterdown South Secondary Plan area.

4.3.12 Transportation Policies

The City shall provide a safe and efficient transportation network which includes bicycle lanes, sidewalks, off-street walking trails and an arterial, collector, and local road network for the Waterdown South Planning Area, in accordance with Map B.4.3-1 - Waterdown South Secondary, Section C.4.0 - Transportation Policies of Volume 1, and the following policies:

4.3.12.1 General Policies

The following policies shall apply to the transportation network throughout the Secondary Plan area:

- a) All new roads within the Planning Area shall be designed and constructed in accordance with the Standard Drawings for Urban Roads contained with the adopted standards of the City. The City may consider alternative development standards where, in the opinion of the City, they are appropriate and do not compromise public safety or the efficiency of the transportation network or the ability to locate the required services.
- b) As a condition of development or redevelopment approval, all lands required for new internal public roads, road widenings for existing public roads in accordance with Section B.4.3.10.6, traffic calming measures, roundabouts and/or daylighting triangles shall be dedicated free of charge and free of all encumbrances to the satisfaction of the City, except where the City's development charge policy provides otherwise.
- c) The applicable portion of growth-related costs related to the design and construction of all new public roads and the appropriate upgrading of the adjacent existing public roads required as a result of development within the Waterdown South Planning Area shall be paid for by development.
- d) In areas outlined in Section B.4.3.3.3 n), access to development serviced by laneways may be appropriate and encouraged to contribute to an improved streetscape and urban character, and to enhance road safety.(OPA 247)
- e) On-street parking shall be discouraged on arterial roads where the main

function of the roadway is to provide capacity for longer-distance trips, On-street parking on collector and local roads shall be permitted.

- f) It is a policy of the City to consider roundabouts where a Study confirms they are feasible, appropriate, and advantageous in terms of traffic flow, traffic safety, community design, or environmental considerations. The *Waterdown South Secondary Plan Area Transportation Study* recommended roundabouts along Burke Street at Collector Road 'C' and Skinner Road. It also found that either stop controls or roundabouts are appropriate options for the intersections of, Collector Road 'A'/Skinner Road, and Skinner Boulevard/Collector Road 'B'.
- g) To facilitate the potential for signalization, the proposed intersections on Dundas Street have been located opposite existing and proposed roadways on the north side of Dundas Street to provide improved north-south connectivity and minimize the number of intersections on Dundas Street except as set out in Policy B.4.3.12.3 c).
- h) Collector Road 'A' and the crossing of Grindstone Creek shall be designed to minimize the traffic infiltration through the central portion of the secondary plan area and shall terminate at Skinner Road. The traffic study submitted in support of the draft plan of subdivision shall detail how the design minimizes traffic infiltration while taking into account the *Waterdown South Secondary Plan Area Transportation Study* and any necessary updates to traffic volumes.
- i) To minimize traffic infiltration through the residential neighbourhoods in Burlington to the south, Kerns Road and Collector Road 'B' shall form a continuous connection to Dundas Street with traffic calming measures where appropriate.
- j) Any reconstruction of Mountain Brow Road and Kerns Road shall have regard for Policies B.4.3.10.6 and B.4.3.12.2 b) viii).

4.3.12.2 Streetscape

Streetscape is a key element of a successful public realm. Roads are the principal interface between built form and the public realm and as such play a dominant role in determining the character of any given neighbourhood. The elements that shape the streetscape include adjacent architectural design, the relationship of buildings to the street, yards and boulevards, roads, sidewalks, lighting, planting of trees, fences, and utilities,

The following Streetscape policies are intended to guide the planning and design of public roadways including the spaces extending across the road:

- a) Where roads within the Planning Area abut the Niagara Escarpment Natural Area and Protection Area, the planning and design of public roadways shall be located and designed to minimize the impact on the Escarpment environment and to ensure the least possible change occurs in the natural landscape. This shall include road and boulevard design that blends into the surrounding Escarpment landscape, using landscape planting, vegetative screens and *vegetation protection zones* around the natural heritage features where feasible.
- b) If required by the City, an Urban Design Report for the public realm shall be

prepared by the landowners and shall reference the streetscape principles and objectives in Section B.4.3.2 of this Plan, the Waterdown South Urban Design Guidelines, the City of Hamilton Urban Design Guidelines, and the Council endorsed International Charter for Walking. Any Urban Design Report for the public realm shall address the following:

- i) The design and treatment of road types (i.e. sidewalks and crosswalks, landscaping/boulevard plantings including use of native species, intersection treatments, on-street parking, signage, street lighting and utility wires, etc.) with differing requirements for residential versus commercial and mixed-use areas;
 - ii) A continuous bicycle trail system and appropriate means to accommodate the system on arterial and collector roads;
 - iii) The location and design of a continuous pedestrian trail system, and public sidewalks and including matters of width, materials and lighting;
 - iv) Requirements for the mobility impaired, such as safety features, standards for the placement of street furniture, sidewalk maintenance and design, including curb cuts so as to provide a continuous barrier free path to transportation services;
 - v) Requirements for boulevard tree planting including spacing and canopy density with differing requirements for residential versus commercial and mixed-use areas;
 - vi) The design of special entry points or gateway features where arterial and collector roads intersect with perimeter arterial roads;
 - vii) The design of intersections including roundabouts where required; and,
 - viii) The *compatibility* of the design of Mountain Brow Road, and Kerns Road and other roads which abut Natural Open Space – Natural Area and Natural Open Space - Protection Area designations, with the visual and natural environment of the Niagara Escarpment, in consultation with the Niagara Escarpment Commission.
- c) The design of all streetscape elements shall be consistent with any Urban Design Report for the public realm so that the roads are cohesive and attractive places for pedestrians and persons travelling through them. Where the City agrees to initiate alternative development standards at draft plan of subdivision approval, any Urban Design Report for the public realm shall be updated to reflect this standard.

4.3.12.3 Major Arterial Roads

In addition to Policy C.4.5.2 c) of Volume 1, the following policies shall apply to major arterial roads as shown on Map B.4.3.1 - Waterdown South Secondary Plan - Land Use Plan:

- a) Notwithstanding Policy C.4.5.2 c) iii) of Volume 1, Burke Street shall have a designated right-of-way width of 30 to 36 metres in accordance with the Waterdown/Aldershot Transportation Master Plan.

- b) Burke Street, as shown on Schedule J is based on the results of the Waterdown/Aldershot Transportation Master Plan. The alignment of Burke Street may be moved without amendment to the Secondary Plan, subject to a Class EA process and evaluation.
- c) If the Waterdown/Aldershot Transportation Master Plan confirms that Burke Street is to align with Burke Street to the north, the intersection shall be designed to avoid direct northbound access to Burke Street from Burke Street.
- d) Reverse lot frontage development shall generally not be permitted along arterial roads except as provided for in Policy B.4.3.10.1 d) of this Secondary Plan.

4.3.12.4 Collector Roads

In addition to Policy C.4.5.2 e) of Volume 1, the following policies shall apply to collector roads as shown on Map B.4.3.1 - Waterdown South Secondary Plan - Land Use Plan:

- a) Notwithstanding Policy C.4.5.2 e) ii) of Volume 1, the right-of-way width of collector roads shall be 20 metres, but may be increased up to 26 metres to accommodate bicycle lanes, on-street parking, streetscape features, and bus bays (for future public transit) as identified in any Urban Design Report for the Public Realm.
- b) Bicycle facilities may be included within collector road right-of-ways, where required in accordance with any Urban Design Report for the public realm.
- c) Collector roads through the Planning Area shall contain a maximum of two through lanes and provide for on-street parking on at least one side.
- d) Collector Road 'B' may be changed to a local road, and the road alignment may be altered without amendment to this Plan, provided that:
 - a. It facilitates the eventual connection between Skinner Road and Kerns Road; and,
 - b. It is demonstrated through a detailed transportation study submitted in support of a zoning by-law amendment or draft plan of subdivision application to the satisfaction of the City.
- e) Mountain Brow Road shall be downgraded to a local road and a portion of Mountain Brow Road east of the western limit of the storm water management pond shall be closed.
- f) Collector Road 'A' shall have a minimum 60 metre separation centreline to centre-line from Collector Road 'C' at Skinner Road.

4.3.12.5 Local Roads

A Local Road is an internal local street that is inter-linked to the neighbourhood network. In addition to Policy C.4.5.2 f) of Volume 1, the following policies shall apply to local roads as shown on Map B.4.3-1 - Waterdown South Secondary Plan - Land Use Plan:

- a) Notwithstanding Policy C.4.5.2 f) ii) of Volume 1, the right-of-way width of Local Roads shall be 18 metres, but may increase to accommodate bicycle lanes, on-street parking, traffic calming measures, and streetscape features, as identified in any Urban Design Report for the public realm.
- b) In accordance with Policy B.4.3.12.1 a), alternative development standards and alternative road widths may be considered. The details regarding appropriate right-of-way widths shall be addressed prior to draft plan of subdivision approval.
- c) On-street parking shall be required on at least one side of the road.
- d) A local road connection shall be provided from Collector Road 'A' to Mountain Brow Road/King Road within the Secondary Plan area. The road connection shall be illustrated in the draft plan of subdivision that is adjacent to Mountain Brow Road. The road network shall be designed to create an indirect route to King Road so traffic flow to King Road is not promoted.

4.3.12.6 Active Transportation Network

Sidewalks are places for pedestrian movement, children's play and neighbours' socializing. Sidewalks encourage walking as urban transportation, walking to public transit and walking for pleasure. Sidewalks improve the liveability of a community, enhance safety and are vital for the quality of life of children, older adults, and persons with disabilities.

In addition to Section C.4.3 - Active Transportation Network of Volume 1, the following policies shall apply to the entire Secondary Plan area:

Sidewalks

- a) Any Urban Design Report for the public realm, as required in Section B.4.3.12.2 a), shall identify the location of sidewalks, their widths and design elements within the Waterdown South Secondary Plan Area.
- b) Sidewalks should be provided on both sides of arterial and collector roads, and one side of local roads, or in accordance with a new City of Hamilton sidewalk policy.
- c) The width of public sidewalks shall be sufficient to accommodate required utilities, provide adequate visibility from the street and promote public safety, and shall be determined prior to draft plan approval.

Bicycle Trails

- d) A continuous bicycle trail system shall be identified as part of the Urban Design Report for the Public Realm required by Policy B.4.3.12.2 b).
- e) The bicycle trail system shall include both on-street and off-street routes linking the parks and community facilities. Off-street routes shall use public open space lands including Neighbourhood Parks, school sites, a potential route along the hydro corridor, and a dedicated bicycle lane within the east-west Skinner Boulevard, and potentially other collector roads where feasible. Any off-street bike paths shall be constructed by the developer

and dedicated to the City as a public right-of-way.

Pedestrian Trails

- f) Pedestrian trails shall be established, in consultation with the Niagara Escarpment Commission, along the hydro-electric utility corridor that traverses the Secondary Plan area, along the utility corridor at the western edge of the Plan area, along Grindstone Creek, through storm water management facilities, and through natural heritage areas to create a connected network that integrates the Plan area with the surrounding community and the Niagara Escarpment. Any off-street pedestrian trails shall be constructed by the developer and dedicated to the City as a public right-of-way.
- g) Trail locations shall be based on field assessments of habitat sensitivity and consideration of potential linkages to the Bruce Trail.
- h) Opportunities to formalize two existing informal parking areas and access points to the Bruce Trail located in the vicinity of the Waterdown Woods ESA shall be investigated. One opportunity is located where the Bruce Trail crosses Kerns Road; the second is located where the Bruce Trail crosses Mountain Brow Road / King Road.
- i) The establishment of other Bruce Trail access points from the Plan area between the hydro-electric corridor and Kerns Road shall generally be discouraged, in consultation with the Niagara Escarpment Commission and the Bruce Trail Conservancy.

4.3.12.7 Public Transit Network

Good public transit service is an asset to all communities. The ability to support public transit is dependent on the density and arrangement of land uses as well as the design of the streetscape and the relationship of adjacent buildings to the street.

In addition to Section C.4.4 - Public Transit Network of Volume 1, the following policies shall apply to the entire Secondary Plan area:

- a) The City shall ensure the design of the Waterdown South Secondary Plan area, including the location of higher density land uses and streetscape design, provides for the ability to accommodate future public transit within the community. As well, the long term potential for higher order public transit such as express bus service along arterial roads internal and external to the Secondary Plan area should be planned for.
- b) Neighbourhood design should minimize walking distance to future public transit service. Within the Waterdown South Planning Area, 90% of all residential dwellings shall generally be within 400 metres of a potential public transit stop.
- c) The future public transit network shall be integrated into the community design and be a key component of community focal points including commercial areas.

4.3.13 Infrastructure

4.3.13.1 Lake-Based Municipal Water and Wastewater Systems

In addition to Section C.5.3 - Lake-Based Municipal Water and Wastewater Systems of Volume 1, the following policies shall apply to the entire Secondary Plan area:

- a) The provision of municipal sanitary sewers and watermains shall comply with the approved Waterdown Water and Wastewater Class Environmental Assessment, the City's Development Guidelines, and the City-wide Water/Wastewater Master Plan.
- b) Existing residential dwellings on properties not subject to a development application shall be encouraged to connect to municipal water and wastewater services as they are extended.
- c) It is intended the Plan area shall be serviced by a required water tower located in the Plan area, as approximately shown on Map B.4.3-1.
- d) A water tower is approximately located within a Neighbourhood Park as shown on Map B.4.3-1. The specific location and size of the lands for this water tower may be changed without amendment to this Plan.
- e) An existing sewage pumping station is situated in the west corner of the Secondary Plan area on City-owned land. The site size may be altered, if it is deemed necessary by the City, without amendment to this Plan.

4.3.13.2 Recharge/Discharge

Where soil conditions permit, proponents of development within the Secondary Plan area should investigate means to maintain recharge and base flows. This shall be determined and implemented through the Functional Servicing Plans as set out in Policy B.4.3.14.1 b) on an individual plan of subdivision basis to achieve the storm water management objectives of the South Waterdown Subwatershed Study.

4.3.13.3 Storm Water Management

Storm water management is an important component of urban development. Storm water management facilities shall be used to control storm water flow rates and improve storm water quality. In addition to Section C.5.4 - Storm Water Management Facilities of Volume 1, the following policies shall apply to the entire Secondary Plan area:

Storm Water Management Plans

- a) A Storm Water Management Plan shall be prepared as part of the Functional Servicing Plan, which provides supporting technical analyses for sizing and design of proposed storm water management facilities,
- b) The Storm Water Management Plan shall:
 - i) demonstrate conformity with the recommendations of the South Waterdown Subwatershed Study;
 - ii) identify where deviations are warranted, if any;
 - iii) have regard to current provincial storm water management

- practices and design guidelines, the requirements and adopted standards of the City, the policies of this Plan, and the requirements of Conservation Halton, and the Province;
- iv) incorporate a naturalized design with appropriate native trees, shrubs, sedges and wildflowers; and
 - v) accommodate a trail system where possible without compromising public safety.
- c) Storm water management facilities are identified schematically on Map B.4.3-1, but shall be permitted in all land use designations except for the Natural Open Space designations.
 - d) Notwithstanding Policy 4.3.13.3 c), storm water pond outfalls may be allowed within the Natural Open Space designation subject to approval of a scoped Environmental Impact Statement by the City in consultation with Conservation Halton. Such storm water pond outfalls shall require a Permit from Conservation Halton pursuant to Ontario Regulation 162/06, as may be amended.
 - e) Where possible, storm water management facilities should be located adjacent to other open space areas.
 - f) Storm water management facilities may provide for trail connections in accordance with the policies of this Plan.
 - g) The specific size and location of storm water management facilities shall be established through a Functional Servicing Plan, consistent with the South Waterdown Subwatershed Study, prior to draft plan of subdivision approval as set out in Policy B.4.3.14.1 b).
 - h) The location and size of storm water management facilities on Map B.4.3-1 are approximate and can be changed without amendment to this Plan. Where a storm water management pond is moved or reduced in size, the adjacent or nearest urban land use designation shall apply to the area where the storm water management facility was formerly located on Map B.4.3-1.
 - i) Lands required for storm water management facilities, including those shown on Map B.4.3-1 or other locations identified through detailed review of development applications, shall be conveyed to the City and shall be subject to repayment for both land and construction costs in accordance with the City's financial policies.
 - j) Development shall not be permitted which would require storm water drainage excavation or other related work south of Mountain Brow Road.

Detailed Storm Water Management Requirements

- k) The water quality draining into the Grindstone, Falcon and Hager Creeks shall be maintained or improved principally with respect to water temperature mitigation and sediment load through storm water management techniques both during and following construction. Wherever possible and feasible, naturalized storm water management techniques

shall be employed.

- l) The water quantity draining into the Grindstone, Falcon and Hager Creeks shall generally maintain the pre-development hydrological regime in accordance with applicable municipal storm water management policies of the City, and the requirements of the *South Waterdown Subwatershed Study*.
- m) Storm water management facilities shall be lined where required to prevent loss of surface flow to Grindstone, Falcon and Hager Creeks, and/or to prevent leakage into the underlying karstic bedrock.
- n) Any storm water management facility proposed within Karst Constraint Area 'C' as identified on Map B.4.3-2, shall be constructed with minimal risk of aggravating existing karst features or potentially creating new hazards.
- o) In the preparation of the Functional Servicing Plans, management of peak flows from the Waterdown South Secondary Plan Area, shall be addressed consistent with the *South Waterdown Subwatershed Study* to avoid potential off-site flooding problems over the Niagara Escarpment brow, farther downstream and at Escarpment springs.
- p) An erosion and sediment control plan shall be submitted when detailed engineering is undertaken, prior to site alteration and/or prior to registration of plans of subdivision, whichever comes first, which addresses how sedimentation shall be controlled during construction stages,
- q) The City may consider the establishment of interim storm water management facilities on a temporary basis within the Waterdown South Secondary Plan Area, notwithstanding the underlying land use designation for the lands, except for areas within the Natural Open Space designations as shown on Map B.4.3-1 the interim storm water management facility shall not preclude or prejudice future development on the basis of the land use designations shown on Map B.4.3-1. All temporary facilities shall be stabilized with vegetative cover.
- r) Infiltration of runoff may assist in the control of erosion, maintenance of baseflows, and reduce inflows to storm sewers and overland flow paths. However, the low permeability of the soils (Halton Till) within the Secondary Plan area presents a constraint to the implementation of widespread infiltration measures. Furthermore, the occurrence of epikarst where overburden is shallow could potentially aggravate karst features leading to the development of karst-related hazards. As such, measures to promote infiltration and their feasibility shall be investigated as a condition of draft plan of subdivision for the following areas, as recommended by the *South Waterdown Subwatershed Study*:
 - i) The area south of the hydro-electric utility corridor, and south of Skinner Boulevard;
 - ii) Within the Grindstone Creek Tributary 1 catchment area on the south side of the creek;
 - iii) Lands draining to Grindstone Creek Tributary 3 and Falcon Creek through infiltration of roof runoff and backlot drainage; and

- iv) Areas adjacent to Core Areas, where karst is present, as identified on Map B.4.3-2 through infiltration of roof runoff.
- s) Areas where karst is present often have overburden that is less than two metres thick where infiltration into underlying karst features may already be established through soil pipes and desiccation fractures in the overburden. Development of infiltration measures must assess the potential to aggravate existing karst features. In such areas, widespread or diffused infiltration measures may be more acceptable than concentrated infiltration.
- t) The development area located adjacent to Dundas Street, between the Grindstone Creek Natural Area and Skinner Boulevard shall drain to the relocated Branch 3 of the Grindstone Creek Tributary 1 as shown on Map B.4.3-2. This area shall be serviced by privately owned and operated onsite storm water management facilities. These facilities shall control water quality, quantity and erosion of post-development runoff to predevelopment levels. The on-site storm water management facilities shall be designed to meet the standards and criteria set out in the Ministry of Environment Storm water Management Planning Design Manual.
- u) The ultimate configuration and design of the relocated Branch 3 of the Grindstone Creek Tributary 1, as illustrated on Map B.4.3-2 shall be based on Conservation Halton requirements. The relocated branch shall be fully contained within public lands and shall be maintained by the City. Branch 3 of Grindstone Creek Tributary 1 is anticipated to be realigned across the frontage of the District Commercial block. Private access shall be permitted across the realigned Branch 3 to the District Commercial designated area with the specific locations to be determined at Site Plan Approval stage.

4.3.13.4 Utilities

- a) Public and private utilities shall be permitted in all land use designations subject to the policies of this Plan including those for the Natural Heritage System designations as set out in Section B.4.3.7, and the Natural Hazard Lands as set out in Section B.4.3.8, where specific policies of this Plan provide further direction.
- b) Wiring for electrical power distribution, telecommunication, cable television and any similar systems shall be coordinated, planned and installed in common trenches, wherever feasible, within public road allowances or within appropriate easements to avoid unnecessary over digging and disruption of municipal rights-of-way.
- c) Large utility infrastructure shall be located and designed to minimize visual impact and ensure *compatibility* with surrounding land uses, where practical.
- d) The City shall ensure that the adequate utilities and/or communication/telecommunications facilities are, or shall be, established to serve the anticipated development and that these facilities can be phased in a manner that is cost-effective, fiscally feasible, and efficient.
- e) New and expanded utility facilities shall be designed and located to minimize impact on the Niagara Escarpment and shall be consistent with the

objectives of the Niagara Escarpment Plan.

4.3.14 Implementation

In addition to Chapter F – Implementation of Volume 1, the following policies shall apply to the entire Secondary Plan Area:

4.3.14.1 Study Requirements

The following studies shall be required to be submitted or at the time of application for any plan of subdivision, official plan amendment, or zoning by-law amendment, unless otherwise determined through the formal consultation process: (OPA 221)

- a) Environmental Impact Statement (EIS) in accordance with the City of Hamilton and Conservation Halton EIS guidelines and any additional requirements as outlined in the Subwatershed Study, This EIS requirement may be scoped subject to the approval of the City and Conservation Authority;
- b) Functional Servicing Plan which addresses:
 - a. Servicing design requirements;
 - b. Internal and external sanitary and storm drainage areas;
 - c. A water demand and sanitary sewage generation study in support of preliminary sizing of water and wastewater infrastructure;
 - d. Layout of roads and other components of the transportation system including trails;
 - e. Preliminary sizing, design and location of storm water management facilities;
 - f. Preparation of a Storm Water Management Plan in conformity with the recommendations of the South Waterdown Subwatershed Study and Section B.4.3.13.3;
 - g. General conformity with the recommendations of the Waterdown Water and Wastewater Class Environmental Assessment;
 - h. Incorporation of mitigation measures recommended in the Environmental Impact Statement and Karst Geological/Hydrogeological / Geotechnical studies;
 - i. Preliminary grading requirements; and,
 - j. Any additional requirements as outlined in the South Waterdown Subwatershed Study.
- c) Detailed Concept Plan for any application within the Mixed Use - Medium Density designation;
- d) Geological, hydrogeological and geotechnical studies of karst features in

areas identified in Map B.4.3-2, and the South Waterdown Subwatershed Study - Stage 2 Report as potentially containing karst features, or for those areas where karst is discovered through subsequent studies;

- e) Transportation analysis of intersection requirements and timing of external road improvements while comprehensively taking into account the Waterdown South Secondary Plan Area Transportation Study and any necessary updates to traffic volumes to reflect any revisions in land uses;
- f) Cultural Heritage Impact Assessment;
- g) Archaeological Assessment;
- h) Visual Impact Assessment, where required, to the satisfaction of the City, in consultation with the Niagara Escarpment Commission which:
 - a. Establishes the maximum building height, minimum building setbacks, and building material so that no component of the building mass is visible above the skyline of the Niagara Escarpment from below the Escarpment brow (edge);
 - b. Establishes an appropriate buffer between the Natural Open Space-Natural Area and Natural Open Space -Protection Area and adjacent roads and built form to protect the visual and landscape character of the Escarpment; and,
 - c. Assesses the visual impact of municipal infrastructure such as water towers and pumping stations on the skyline of the Niagara Escarpment;
- i) Confirmation of the Falcon Creek Regional floodlines to the satisfaction of the City and Conservation Halton;
- j) Urban Design Report for the public realm that includes text, plans, details, and/or elevations, as necessary, to demonstrate:
 - a. Compliance with the urban design policies of this Plan, the Niagara Escarpment Plan policies and the Waterdown South Urban Design Guidelines; and
 - b. How the intent of the Secondary Plan policies, the Niagara Escarpment Plan policies and the Waterdown South Urban Design Guidelines have been met.
- k) Detailed noise control study; and,
- l) Other studies which may be identified through the formal consultation process.

4.3.14.2 Conditions of Development

Notwithstanding any other provision of this Plan, and except for expansions of existing uses, the following conditions shall be fulfilled prior to registration of plans of subdivision, prior to lifting of a 'Hold' on a site specific zoning, or prior to site plan approval.

- a) Water distribution and storage facilities, as set out in the Waterdown Water and Wastewater Class Environmental Assessment and the implementing functional servicing plans, required to service specific stages of development are committed to be in place and operative prior to or coincident with occupancy and use of the land.
- b) Wastewater facilities required for conveyance and treatment, as set out in the Waterdown Water and Wastewater Class Environmental Assessment, required to service specific stages of development are committed to be in place and operative prior to or coincident with occupancy and use of the land.
- c) All transportation infrastructure required to support the specific phases of development are in place or have been programmed in respective jurisdictional capital budgets, or otherwise financially committed. The approved phasing strategy is to be based on traffic impact studies that identify which infrastructure improvements identified in the approved Waterdown/Aldershot Transportation Master Plan class EA and South Waterdown Traffic Impact Study need to be in place to support growth.
- d) Storm drainage facilities, as set out in the Functional Servicing Plan, and as approved by the municipality in consultation with Conservation Halton are committed to be in place and operative prior to or coincident with the occupancy and use of the land.
- e) Other identified local infrastructure needs as well as community use lands such as, schools, parks and storm water management facilities, are secured through a cost sharing agreement, in accordance with municipal policies and the provisions of the Development Charges Act.
- f) All other urban services and utilities required to service specific stages of development are committed to be in place and operative prior to or coincident with occupancy and use of the land, except as otherwise approved.
- g) A well survey monitoring plan shall be a condition of draft plan approval.
- h) A program to periodically inspect the storm water management facility adjacent to the Hazard Lands - Karst Area, to check for leaks or weak spots in the liner, shall be a condition of draft plan approval.
- i) An alternative access to the three properties along a private lane south of George Street shall be made available for purchase, Erosion at the Grindstone Creek Tributary 1 Waterfall immediately downstream of the Secondary Plan area could eventually interrupt access to these properties.
- j) In the context of this policy, "committed to be in place" shall mean identified within an approved Capital Budget, and a development agreement executed with the City or any other satisfactory arrangement with the City.
- k) All development within the Waterdown South Secondary Plan shall be guided by the recommendations of the Phase 2 and Phase 3 Waterdown South Sub Watershed Study.

4.3.14.3 Zoning By-law

The zoning by-laws for this area may include provisions for bonusing and holding zones where deemed appropriate and where they are in accordance with the Official Plan, and the provisions of the Planning Act, R.S.O., 1990 c. P.13 and do not conflict with the requirements of the Niagara Escarpment Plan or any other Provincial Plan.

4.3.14.4 Staging of Development

In addition to Section F.3.6 - Staging of Development of Volume 1, and the City's Staging of Development Program, the following policies shall guide the staging of development within the Waterdown South Secondary Plan area:

- a) Development shall generally follow a logical and orderly sequence that ensures an orderly yet flexible pattern of development in accordance with the objectives and policies contained in the Waterdown South Secondary Plan.
- b) Retail and service commercial development shall be phased in the District Commercial and Mixed Use - Medium Density designations so that:
 - I. A first phase shall consist of no more than 9,300 sq. m. of retail and commercial floor space within the District Commercial designation which shall be comprised of a supermarket of not more than 7,500 sq. m. and other permitted retail and service commercial space to a maximum of 1,800 sq.m.;
 - II. A second phase shall consist of full build out of both sides of Collector Road A having a minimum of 3,600 sq. m. of retail and service commercial floor space within the "retail main street" component of the Mixed Use Medium Density designation; and
 - III. A third phase shall consist of build out of the District Commercial designation to a maximum of 16,000 sq. m. of retail and service commercial floor space; and build out of the Mixed Use – Medium Density designation to a total maximum of 25,000 sq. m. of retail and service commercial floor space between the two designations.
- c) Development shall proceed in a manner that ensures that service levels established by this Plan, Volume 1, in general are achieved within each stage of development, and the provision of infrastructure and services is within the fiscal capabilities of the City and the School Boards. Where the fiscal capabilities of any one government or agency are limited to the extent that infrastructure or facilities may be delayed, front-ending of infrastructure and facilities by the landowners may be considered.
- d) Staging should ensure that the matters and infrastructure identified through Section B.4.3.14.2 are provided in an efficient and cost effective manner.
- e) Until Burke Street is connected to Mountain Brow or Skinner Road is extended easterly to Dundas Street, a maximum of 250 residential units located north of the intersection of Burke Street and Skinner Road may be constructed within the Waterdown South Secondary Plan area, Additional development beyond 250 units may be permitted subject to Policy B.4.3.14.2

c). (OPA 218)

- f) The Mixed Use - Medium Density area shall not be subject to a specific phasing and development can proceed once the required water and wastewater services are available to this area.
- g) Development within these stages shall proceed in a manner that recognizes that infrastructure such as underground, services, roads, schools, parks, health care facilities, and public emergency services are to be provided in a timely manner.
- h) The provision of educational and provincial services and infrastructure shall be encouraged to be in accordance with the phasing policies of this Plan. The School Boards and the Province shall make every effort to provide their respective services in conjunction with the pace of development.
- i) In no case shall one owner or group of owners be allowed to unreasonably delay the normal progression of residential growth. Where a landowner is not proceeding with development in a timely manner and withholding the possible completion of a collector road or arterial road linkage, and/or the extension of water and wastewater services, the City may consider its powers of expropriation to complete the infrastructure.

4.3.14.5 Neighbourhood Parks and Open Space Implementation

- a) Parkland requirements shall be calculated on a net basis excluding any natural heritage features, vegetation protection zones, valleys, floodplains, stream corridors or linkages that are protected from development.

4.3.14.6 Environmental Monitoring

As a condition of draft plan of subdivision approval, a monitoring plan shall be prepared by the land owner which sets out a program for regular monitoring of the health of the natural heritage/open space system within the Waterdown South Secondary Plan area. The indicators to be monitored and the nature of the monitoring program(s) are set out in Phase 3 of the South Waterdown Subwatershed Study.

4.3.14.7 Existing and Temporary Uses

- a) Existing land uses within the Secondary Plan area shall be permitted to remain without an amendment to this Plan.
- b) New development shall integrate those elements of existing built form intended to remain within the community in a complementary manner.
- c) Prior to urban redevelopment of these lands, low intensity temporary uses may be permitted provided these uses are outside of the Natural Heritage System and associated vegetation protection zones.

4.3.14.8 Interpretation

The boundaries of the residential, institutional and neighbourhood park designations and the alignment of arterial and collector roads are intended to be flexible and may be modified in the interest of achieving a desirable urban pattern without amendment to this Plan, provided the aggregate land areas of each residential designation are not significantly altered and the

recommendations within the South Waterdown Subwatershed Study are met.

4.3.14.9 Notwithstanding the definition of “Vegetation Protection Zone” in Volume 1, Chapter G, the following definition shall apply:

Vegetation Protection Zone means a vegetated buffer area surrounding a Core Area which is of sufficient size to protect the features and functions from the impacts of the proposed change and associated activities that will occur before, during, and after construction. Where possible, the buffer should restore or enhance the features and/or functions of the Core Area.

4.3.15 Area and Site Specific Policies

Area Specific Policy – Area A

4.3.15.1 In addition to Section E.3.5 - Medium Density Residential of Volume 1, the following policies shall apply to the lands designated Medium Density Residential and identified as Area Specific Policy - Area A on Map B.4.3-1 - Waterdown South - Land Use Plan:

- a) Area Specific Policy - Area A is planned to permit an adult lifestyle community that promotes "aging in place".
- b) In addition to Policy E.3.5.2 of Volume 1, various forms of *housing with supports*, and ancillary recreational and commercial uses serving the needs of the surrounding residents shall also be permitted. (OPA 247)
- c) Notwithstanding Policy E.3.5.7 - Medium Density Residential of Volume 1, the density shall be in the range of 60 to 100 units per net residential hectare.
- d) Notwithstanding Policy E.3.5.8 - Medium Density Residential of Volume 1, the maximum permitted building height shall be 8 storeys. Except that for the lands located between the Natural Area and the Protection Area/Storm Water Management Facility, the maximum permitted building height shall be 6 storeys, but building heights may be increased up to 8 storeys subject to a Visual Impact Assessment in accordance with Policy B.4.3.14.1 h.
- e) The clustering of residential units shall be encouraged to maximize generous open space areas within this designation.
- f) A site-specific implementing zoning by-law shall address such matters as building setbacks, height, separation distances landscape and open space requirements, parking standards, and ancillary uses.

Area Specific Policy – Area B

4.3.15.2 In addition to the policies of Section B.4.3.8 - Natural Hazard Features, the limit of Area Specific Policy - Area B identifies the extent of the Hazard Lands - Karst Area. The policies of Section B.4.3.8.1 and B.4.3.8.2 of this Secondary Plan shall apply.

Area Specific Policy – Area C

4.3.15.3 In addition to the policies of Section E.3.4 - Low Density Residential of Volume 1 and Policy B.4.3.3.4 of this Secondary Plan, the following policies shall apply to the lands designated Low Density Residential 1 and identified as Area Specific Policy - Area C on Map B.4.3-1 - Waterdown South – Land Use Plan:

- a) Lot width shall not be less than 15.24 metres (50 feet).
- b) Notwithstanding Policy E.3.4.5 of Volume 1, the maximum height to the mid-point of roof between peak and eaves shall be 10.5 metres (34 feet) to prevent buildings from exceeding the height of the trees. (OPA 247)
- c) Rear yards shall be fenced with 1.2 metre (4 feet) black chain link fence to prevent encroachment into the woodlands and wetlands.
- d) A setback of 30.0 metres to the surveyed dripline of the trees to the south and 15.0 metres to the surveyed dripline of trees to the east and west shall be provided.

Area Specific Policy – Area D (OPA 154)

B.4.3.15.4 For the lands located at 10 Mallard Trail, 39 Mallard Trail, 40 Mallard Trail and 488 Dundas Street East, Flamborough, designated Mixed Use – Medium Density, and identified as Area Specific Policy – Area D on Map B.4.3-1 – Waterdown South Secondary Plan – Land Use Plan, the following policies shall apply:

- a) Notwithstanding Policy B.4.3.4.3 a) of Volume 2, commercial uses shall be located primarily at grade;
- b) Notwithstanding Policy B.4.3.4.3 e) v) of Volume 2, residential accessory uses such as fitness rooms, amenity areas and access to the residential uses above shall be permitted on the first floor of the building;
- c) Notwithstanding Policy B.4.3.4.3 g) of Volume 2, the total retail and service commercial floor space within the Mixed Use - Medium Density designation shall not be less than 1,980 square metres; and,
- d) Notwithstanding Policy B.4.3.4.3 j) iv) of Volume 2, the implementing Zoning By-law shall establish a minimum requirement for 1,980 square metres of retail and service commercial space to be divided amongst 10 Mallard Trail, 39 Mallard Trail, 40 Mallard Trail and 488 Dundas Street East along the 'retail main street'.

B.4.3.15.5 For the lands located at 10 Mallard Trail, 39 Mallard Trail, 40 Mallard Trail, 488 Dundas Street East, Flamborough, designated Mixed Use – Medium Density and the lands located at 585 Skinner Road, Flamborough, designated District Commercial, and identified as Area Specific Policy – Area D on Map B.4.3-1 – Waterdown South Secondary Plan – Land Use Plan, the following policies shall apply:

- a) Policy B.4.3.4.2 g) of Volume 2, shall not apply to 10 Mallard Trail, 39 Mallard Trail, 40 Mallard Trail, 488 Dundas Street East, and 585 Skinner Road;
- b) Policy B.4.3.14.4 b) of Volume 2 shall not apply.

B.4.4 Waterdown Community Node Secondary Plan (OPA 165)

The Waterdown Community Node Secondary Plan encompasses a large portion of the *historic* Waterdown Village neighbourhoods built *adjacent* to the core and the commercial core of Waterdown, which is situated along Dundas Street and Hamilton Street.

The Secondary Plan area is bounded by Grindstone Creek and First Street to the east, and generally extends north to Parkside Drive, west to Goldenview Court, and south to the southern end of Main Street.

The Waterdown Community Node Secondary Plan area has a very rich history. Indigenous communities have used these lands for thousands of years. Grindstone Creek carved a gap into the Niagara Escarpment which is believed to have been a key trail route for early Indigenous peoples. The first Euro-Canadian settlers arrived in the area in the late 1700's, and European settlement continued into the first half of the twentieth century when most of the lotting pattern in the *historic* village area was established. Waterdown has retained numerous *built heritage resources* that provide a strong link to its history and contribute to a unique character. *Six significant cultural heritage landscapes* reflect the evolution of the village and are diverse in nature representing the oldest cemetery, key residential and commercial roadways, parks, and a mid-twentieth century subdivision.

The focal point of the Secondary Plan is the "Community Node" which is located in the centre of Waterdown and is oriented along two key intersecting arterial roads within the community, Dundas Street East and Hamilton Street. The Community Node contains a range of commercial uses as well as higher density residential uses, institutional uses, and a large community park. It is an important centre of activity for the community and an *essential* part of the identity of Waterdown. The central proximity of the Node to surrounding neighbourhoods and the range of services and activities it offers contributes to a *complete community* and a high quality of life for residents. The intent of this Plan is to support and enhance the function of the Node as a centre of retail, business, social and cultural activity. This will include supporting additional residential growth, to sustain a vibrant community with a range of opportunities to live, work and play.

The *historic* neighbourhoods adjacent to the Community Node are also strongly linked to the area's identity. The lot patterns, pre-1960's buildings, mature trees and other unique features within these neighbourhoods are part of the history of the original Waterdown Village and contribute to the character of the area and its 'village charm'. These areas provide a high quality of life, a strong sense of place, and support the retail and tourism draw of the Community Node. The Secondary Plan recognizes the *significant* cultural heritage value of these areas and seeks to protect the characteristics that make these areas so unique.

Section B.4.4 – Waterdown Community Node Secondary Plan, Map B.4.4-1 – Waterdown Community Node Secondary Plan- Land Use Plan, Map B.4.4-2 – Waterdown Community Node Secondary Plan – Transportation and Connections, Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources and Appendix B – Waterdown Community Node Secondary Plan – Natural Heritage and Hazards, constitute the Waterdown

Community Node Secondary Plan.

4.4.1 Vision

The Waterdown Community Node Secondary Plan will guide growth, *development* and change within the Secondary Plan area to 2051. *Redevelopment* and intensification are planned to occur incrementally over the long term to create a more compact mixed use area with additional housing and jobs. The Secondary Plan directs the majority of future growth to the Community Node.

The vision for the Waterdown Community Node Secondary Plan is for the area to be a vibrant, attractive and sustainable community. It will support healthy lifestyles by maintaining green spaces and encouraging pedestrian and cycling activity. It will be a great place to live for all types of households in all stages of life. The Community Node will function as the central focal point for Waterdown, providing services and amenities for residents and supporting business, retail, and social and cultural activity.

The Waterdown Community Node Secondary Plan area is a community with a primarily low-rise built form scale. The low-rise scale is envisioned to be maintained over the long term within neighbourhood areas and within the mixed use portions of the Community Node centred along Dundas Street, east of Hamilton Street. Mid-rise built form is envisioned within Community Node areas situated along Hamilton Street and the portion of Dundas Street East located west of Hamilton Street.

The *historic* identity and small town village character of the community is an important part of the Secondary Plan vision. The *historic* identity and small town village character will be celebrated and conserved, while still allowing for the integration of *compatible* and well-designed new *development*.

4.4.2 Principles and Policy Objectives

Development and land use changes in the Waterdown Community Node Secondary Plan area will be guided by the following six principles and associated policy objectives. The order in which principles and objectives are listed does not indicate priority. All principles have equal status.

a) Principle 1: Support Business in the Node

The Community Node provides an important commercial function for the surrounding area. The variety of businesses in the Community Node, including services, retail and restaurants support the daily and weekly needs of surrounding neighbourhoods and the provision of local jobs.

The following objectives shall apply:

- i) Support business, retail and restaurants in the Node;
- ii) Ensure that the Node continues to provide appropriate retail shopping opportunities, services and other amenities to meet the daily and weekly needs of surrounding neighbourhoods; and,
- iii) Ensure that parking needs in the Node are met.

b) Principle 2: Improve the Function of the Transportation Network

The transportation network is *essential* both for the movement of people within and to destinations outside of the Community Node. The network is comprised of all modes of travel, including vehicular travel, *transit*, and *active transportation*.

The following objectives shall apply:

- i) Support *infrastructure* improvements that provide for safe and efficient vehicle movement;
- ii) Improve options for safe and efficient *transit*, walking, cycling and other modes of alternative transportation;
- iii) Ensure barrier-free accessibility in the public realm and in all new development;
- iv) Enhance the ability for residents and visitors to connect to shopping and amenities in the Community Node through *active transportation* and *transit* options;
- v) Improve pedestrian and cycling connections to trails and other destinations within and outside the area; and,
- vi) Minimize or consolidate the number of vehicular access points to properties within the Community Node.

c) Principle 3: Conserve the Community's Heritage

The Community Node and *adjacent established historical neighbourhoods* in the Secondary Plan have a rich and vibrant history, present in a variety of landscapes and built forms.

The following objectives shall apply:

- i) Conserve existing *built heritage resources* and *cultural heritage landscapes*;
- ii) Ensure new *development* is *compatible* with and sympathetic to *existing cultural heritage resources*;
- iii) Encourage the rehabilitation, renovation and restoration of *built heritage resources* so that they remain in active use; and,
- iv) Prioritize the *adaptive reuse* of *built heritage resources* over demolition or replacement.

d) Principle 4: Improve Sustainability and Resilience to Climate Change

Cities are major contributors to increases in greenhouse gases in the atmosphere, which are causing climate change. Implementing measures to reduce greenhouse gas emissions and adapt to climate change can reduce climate change effects, help improve air quality and make the community more resilient and sustainable.

The following objectives shall apply:

- i) Promote site design approaches that contribute to climate change resilience;
- ii) Promote the use of green building standards to create energy efficient and low carbon buildings;
- iii) Enhance the tree canopy;
- iv) Promote Low Impact Development (LID) approaches and treatments to help manage stormwater;
- v) Establish electric vehicle charging stations to promote and accommodate uptake in the use of electric vehicles; and,
- vi) Support infrastructure improvements that improve cycling and active transportation opportunities, to build climate change resiliency through carbon reduction.

e) Principle 5: Create Attractive Places and Spaces

Creating high quality buildings and spaces in both the public and private realm is important to establish and maintain a unique sense of place and a feeling of community. Attractive places and spaces are a key element of a vibrant community.

The following objectives shall apply:

- i) Maintain the small-town community and village feel of the Secondary Plan area;
- ii) Create attractive developments through appropriate site layout and high quality design and materials;
- iii) Use high quality landscaping and streetscaping to create attractive, distinctive and comfortable places;
- iv) Link the design of older and newer commercial areas to create a cohesive look and feel throughout the Node;
- v) Provide natural landscaping elements such as trees, shrubs, grasses and plants as part of site design and streetscaping to enhance pedestrian comfort and experience; and,
- vi) Create publicly accessible open spaces and outdoor amenity areas in new *development*.

f) Principle 6: Provide a High Quality Equitable Living Environment

A high quality living environment includes the provision of appropriate housing for all residents as well as ensuring that the physical, social and emotional well-being of residents is supported.

The following objectives shall apply:

- i) Provide a suitable range of housing types and tenures to meet the social, health and well-being requirements of residents of all ages, abilities, incomes, household types and sizes;
- ii) Create a living environment that supports active and healthy lifestyles for all;
- iii) Promote social and cultural activity in the Community Node;
- iv) Facilitate aging in place by encouraging appropriate housing for seniors;
- v) Support the provision of *affordable* housing;
- vi) Ensure that *infill development* in the Community Node and in surrounding *established historical neighbourhoods* is *compatible* with and respects the character of the area and the cultural heritage value of *significant cultural heritage resources*; and,
- vii) Maintain and support the function of Waterdown Memorial Park as a Community Park.

4.4.3 General Policies

4.4.3.1 The Waterdown Community Node Secondary Plan shall guide development and land use change within the Secondary Plan area. The following policies apply to the Secondary Plan area:

- a) Within the Secondary Plan area, the Community Node shall be the focus for commercial, residential and *mixed use development* within the Waterdown Community Node Secondary Plan. The majority of new *development*, particularly *mixed use development*, shall be directed to locate within the Community Node boundary;
- b) The Waterdown Community Node Secondary Plan area shall include a range of housing forms and tenures and a mix of commercial, institutional and open space uses;
- c) The City may require consultation with the Design Review Panel prior to any public or private *development* approvals, to ensure that the design objectives and policies of this Plan are reflected;
- d) Applications for an Official Plan Amendment, Zoning By-law Amendment or for Site Plan Approval which may alter the *planned function* of the Community Node or vision for the Secondary Plan or which would significantly contribute to achieving the planned function and vision of the Secondary Plan shall be referred to the Design Review Panel;
- e) The development of *affordable* housing is encouraged within the Secondary Plan area to provide a full range of housing and meet the City's *affordable* housing targets outlined in Policy B.3.2.2 of Volume 1; and,

- f) To achieve *affordable* housing targets and meet *affordable* housing needs in the community, partnerships with non-profit organizations and any other available tools or resources may be considered.

4.4.4 Community Node Policies

The boundary of the Community Node is identified on Map B.4.4-1 - Waterdown Community Node Secondary Plan – Land Use Plan. The Community Node is planned to moderately intensify over time through infilling, additions to and *adaptive reuse* of existing buildings and *redevelopment*. This transformation will include the introduction of additional residential uses in the Node.

4.4.4.1 In addition to Section E.2.3.3 Community Nodes of Volume 1, within the area identified as the Community Node shown on Map B.4.4-1 – Waterdown Community Node - Land Use Plan, the following policies shall apply:

- a) The Community Node is planned to achieve a minimum density target of 100 people and jobs per hectare by the year 2041. It is anticipated that the Node will achieve a density of up to 145 persons and jobs per hectare by 2051 measured over the entire boundary of the area. Growth shall not exceed a density of 145 persons and jobs per hectare as measured over the whole area until such time as municipal review has been undertaken which demonstrates that adequate *infrastructure* is available or is planned and funded and the transportation network will function adequately;
- b) The Community Node contains approximately 50,000 square metres of existing commercial floor space. To support the planned commercial function of the Community Node, significant reductions in the total amount of commercial floor space shall not be permitted;
- c) Where *redevelopment* is proposed which will reduce the amount of *existing* commercial floor space on a site by more than 2,500 square metres, the applicant shall provide a commercial needs and impact assessment, which includes fiscal impact considerations, demonstrating to the satisfaction of the City that the reduction is appropriate and that there will be no *negative impact* to the planned commercial function of the Community Node;
- d) There are many *existing* vehicular access driveways in the Community Node. Access driveways are needed to provide access to properties, however a large number of accesses can negatively impact traffic functioning on roads and decrease safety and comfort for drivers, pedestrians and cyclists. Accordingly, it is one of the objectives of this Plan to decrease the number of vehicular accesses in the Community Node over time as properties *redevelop*. To achieve this objective, the following policies shall apply:
 - i) For lands fronting onto Dundas Street or Hamilton Street, only one vehicular access shall be permitted per site. At the time of *redevelopment*, sites with multiple *existing* accesses shall consolidate these accesses;
 - ii) Notwithstanding Policy B.4.4.1 d) i), on large sites with multiple

tenants, uses or buildings, or on a lot with frontage on two streets, additional vehicular access points may be permitted at the discretion of the City where the additional access points will not have a *negative impact* on traffic operations or *active transportation* routes;

- iii) For corner lots on Hamilton Street or Dundas Street which have frontage from another road, vehicular access from Hamilton Street and Dundas Street shall be discouraged and vehicular access shall be encouraged from the other road; and,
- iv) Shared vehicular accesses are strongly encouraged. Shared accesses shall be considered for new *development* where feasible.

4.4.5 Residential Designations

4.4.5.1 The residential areas within the Waterdown Community Node Secondary Plan are designated Low Density Residential 1, Medium Density Residential 1, and High Density Residential 1 as identified on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan. *Existing* residential land use types within the Secondary Plan area have been recognized by most of the residential designations. (OPA 247)

4.4.5.2 General Residential Policies

In addition to Section E.3.0 – Neighbourhoods Designation of Volume 1, the following policies shall also apply:

- a) A mix of housing forms, styles and tenures suitable for residents of different age groups, abilities, income levels and household sizes shall be encouraged in the Secondary Plan area;
- b) Proposals for new residential dwellings or buildings shall respect the scale and form of housing in *existing established historical neighbourhoods* and in *cultural heritage landscapes*. *Residential intensification* within these areas shall comply with Section B.2.4 – Residential Intensification of Volume 1 and other applicable policies of this Plan; and,
- c) In addition to Policy E.3.4.6 c) of Volume 1, the Zoning By-law shall establish specific standards in Low Density Residential areas to ensure that the scale and form of new *development* is sympathetic to the character of the area and compatible with *significant cultural heritage resources*.
- d) To promote *compatible redevelopment*, new residential infill *development* shall comply with the policies of Section E.2.4 – Residential Intensification and Section B.3.3 – Urban Design Policies of Volume 1, as well as any relevant Urban Design Guidelines in accordance with Section F.3.2.5 of Volume 1. (OPA 247)

4.4.5.3 Low Density Residential Designations (OPA 247)

In addition to Section E.3.4 – Low Density Residential of Volume 1, the following policy shall apply to lands designated Low Density Residential 1 on

Map B.4.4-1 – Waterdown Community Node - Land Use Plan:

- a) Notwithstanding Policy E.3.4.5 of Volume 1, the maximum height shall be two and a half storeys.

4.4.5.4 Medium Density Residential 1 Designation (OPA 247)

In addition to Section E.3.5 – Medium Density Residential of Volume 1, for lands designated Medium Density Residential 1 on Map B.4.4-1 – Waterdown Community Node - Land Use Plan, the following policy shall apply:

- a) Notwithstanding Policies E.3.5.1 and E.3.5.9 a), lands designated Medium Density Residential 1 may be permitted within the interior of neighbourhoods fronting on a local road. (OPA 247)
- b) In addition to Policy E.3.5.2, the uses permitted under Policy E.3.4.3 shall also be permitted. (OPA 247)
- c) Policy E.3.5.4 of Volume 1 shall not apply.(OPA 247)
- d) Notwithstanding Policy E.3.5.8 of Volume 1, the maximum height shall be three storeys.

4.4.5.5 High Density Residential 1 Designation

In addition to Section E.3.6 – High Density Residential of Volume 1, for lands designated High Density Residential 1 on Map B.4.4-1 - Waterdown Community Node - Land Use Plan, the maximum height shall be 8 storeys. *Existing* buildings with a height greater than 8 storeys may be recognized in the Zoning By-law.

4.4.6 Commercial and Mixed Use Designations

4.4.6.1 Commercial and Mixed Use designations in the Waterdown Community Node Secondary Plan provide a variety of services and retail facilities to meet the daily and weekly needs of the surrounding community. The commercial areas within the Waterdown Community Node Secondary Plan are designated Mixed Use – Medium Density and Local Commercial, as identified on Map B.4.4-1 – Waterdown Community Node - Land Use Plan.

4.4.6.2 General Commercial Policies

- a) *Development* shall accommodate adequate internal traffic circulation, parking and manoeuvring areas on-site; and,
- b) When major *redevelopment* occurs on a site larger than 2.5 hectares *existing* as of September 2021, the *redevelopment* shall include an appropriate mix of commercial and non-commercial uses in accordance with Policy E.2.3.3.17 of Volume 1. Significant reductions in existing levels of commercial gross floor area shall be avoided. A commercial needs and impact assessment may be required to demonstrate an appropriate mix of uses.

4.4.6.3 Mixed Use – Medium Density Designation

4.4.6.3.1 In addition to Section E.4.6 - Mixed Use – Medium Density Designation of

Volume 1, the following policies shall apply to the Mixed Use – Medium Density Designation, as identified on Map B.4.4-1 - Waterdown Community Node - Land Use Plan:

- a) Mixed Use – Medium Density areas in the Community Node are intended to transition over time to a more pedestrian focused and *transit-supportive* environment;
- b) To support *active transportation* and promote a pedestrian oriented environment, drive-through facilities shall be discouraged on all streets;
- c) Where a new drive-through facility is proposed on a non- *pedestrian focus street*, it shall enhance the pedestrian environment and shall not compromise the safe, efficient and comfortable movement of pedestrians; and,
- d) Policy E.4.6.8 of Volume 1 shall only apply to sites fronting onto the west side of Hamilton Street North. Building heights above 6 storeys shall not be permitted on other lands designated Mixed Use – Medium Density.

4.4.6.4 Pedestrian Focus Streets

In addition to Section E.4.3 – Pedestrian Focus Streets - of Volume 1 the following policies shall apply to all lands identified as *pedestrian focus streets* on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan:

- a) Notwithstanding Policy E.4.3.4 b) of Volume 1, where multiple buildings are located on a single site, buildings may be located in the interior of the site as long as the site provides an adequate block face along the *pedestrian focus street*, in accordance with Policy E.4.3.4 a) of Volume 1 and the Zoning By-law; and,
- b) Notwithstanding Policy E.4.3.4 f) of Volume 1, all lands designated Mixed Use – Medium Density identified as *pedestrian focus streets* shall have a minimum height of 2 storeys.

4.4.6.5 Local Commercial Designation

4.4.6.5.1 Section E.3.8 - Local Commercial of Volume 1 shall apply to lands designated Local Commercial on Map B.4.4-1 – Waterdown Community Node - Land Use Plan.

4.4.6.5.2 Notwithstanding Policy E.3.8.2 a) of Volume 1, the following uses shall be prohibited on lands designated Local Commercial, even as accessory uses:

- a) Drive through facilities;
- b) Motor vehicle service stations; and,
- c) Motor vehicle gas bars.

4.4.7 Parks and Open Space Designations

The parks and open space areas of the Waterdown Community Node Secondary Plan contribute to the character and cultural heritage value of

the neighbourhood and are an *essential* component in the day to day life of residents, providing green space opportunities to meet both active and passive recreational needs. Parks and open spaces can also contribute positively to the health of the natural heritage system and the urban forest.

4.4.7.1 In addition to Section B.3.5.3 – Parkland Policies – and Section C.3.3 – Open Space Designations of Volume 1, the following policies shall apply to lands designated Neighbourhood Park, Community Park, General Open Space and Natural Open Space on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan:

- a) All *existing* parks in the Secondary Plan area shall be retained for use as parks and shall not be developed for other uses;
- b) Notwithstanding Policy B.4.4.7.1 a), the *adaptive reuse* of the former Common School in Sealey Park for other public or community uses shall be permitted and encouraged; and,
- c) The provision of additional trails and multi-use pathways on lands designated as Parks or Open Space is encouraged and does not require amendment to this Plan.

4.4.8 Institutional Designation

Institutional uses such as schools and places of worship are important to the quality of life for residents and for maintaining a complete community. They are a strong contributor to the area's sense of place. *Existing* institutional uses are recognized throughout the Secondary Plan area.

4.4.8.1 In addition to Sections B.3.5 – Community Facilities/Services and E.3.0 - Neighbourhoods Designation of Volume 1, the following policies shall apply to lands designated Institutional on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan:

- a) *Existing* buildings that have been identified as *cultural heritage resources* shall be retained and *conserved* as recommended by a *Cultural Heritage Impact Assessment* and integrated into any *redevelopment* of a site;
- b) Where a *community facility/service* use ceases, *adaptive reuse* of *existing* buildings is preferred to maintain *existing* neighbourhood character and cultural heritage value;
- c) In addition to *community facilities/services* uses, residential uses may also be permitted on all or a portion of a property designated Institutional without an amendment to this Plan;
- d) Residential uses shall be developed in accordance with Section E.3.4 – Low Density Residential of Volume 1 and the policies of this Secondary Plan;
- e) In addition to Policy E.3.4.3 of Volume 1, the following uses shall also be permitted:
 - i) Low rise *multiple dwellings* such as but not limited to block

- townhouses, back to back townhouses and stacked townhouses;
and,
- ii) *Multiple dwellings* in existing buildings designated under the *Ontario Heritage Act* that have been *adaptively reused*.
- f) *Multiple dwelling* uses permitted by Policy 4.4.8.1 e) i) shall require approval of a Zoning By-law Amendment to establish standards specific to a proposed development which:
- i) maintain *compatibility* with adjacent land uses;
 - ii) avoid negative impacts to *cultural heritage resources*; and,
 - iii) provide sufficient dwelling unit and visitor parking for the proposed uses.
- g) Notwithstanding the design policies for Low Density Residential uses in Policy E.3.4.6 of Volume 1, any proposed *multiple dwelling* uses shall comply with the design policies for medium density residential uses in Policy E.3.5.9 of Volume 1;
- h) Notwithstanding Policy E.3.4.5 of Volume 1, the maximum height for residential uses shall be two storeys to ensure a *compatible* scale of *development* which respects the character of the area. The maximum height for residential uses may be increased to three storeys without amendment to this Plan subject to the following requirements:
- i) approval of a Zoning By-law Amendment or Minor Variance application;
 - ii) demonstration that the cultural heritage value of *existing cultural heritage resources* (*built heritage resources* and *cultural heritage landscapes*) on the site and on *adjacent lands* will not be negatively impacted; and,
 - iii) provision of an appropriate transition between three storey residential uses and adjacent existing low density residential uses, which may include but is not limited to:
 - 1) An enhanced setback between the three storey buildings and adjacent *existing* uses;
 - 2) a treed landscape buffer;
 - 3) fencing or other equivalent screening;
 - 4) building design measures that reduce overlook to adjacent properties,
 - 5) building design measures that reduce the appearance of increased height;
 - 6) the separation of three storey uses from adjacent *existing* low density residential uses through the provision of an intervening one to two storey residential use; or,
 - 7) a combination of the above.

4.4.9 Utility Designation

- 4.4.9.1 In addition to Section B.3.3.6 – Urban Services and Utilities of Volume 1 and Section C.3.4 – Utility Designation of Volume 1, the following policies shall apply to lands designated Utility on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan:
- a) Grading and drainage of land within or *adjacent* to the railway corridor in the Grindstone Creek valley shall have regard for comments from the railway operator; and,
 - b) Linear utility operators are encouraged to minimize tree and vegetation removal in the management of utility property.

4.4.10 Urban Design

As *redevelopment* and *intensification* occur within the Secondary Plan, urban design plays an important role in fostering an attractive, liveable and functional community. The objective of the Urban Design policies is to ensure that future *development* in the Secondary Plan area promotes architectural and design excellence and is complementary to the area's unique character.

4.4.10.1 General Urban Design Policies

In addition to Section B.3.3 – Urban Design Policies of Volume 1, the following policies shall apply to lands within the Waterdown Community Node Secondary Plan area:

- a) All *development* in the Secondary Plan area shall comply with the Waterdown Community Node Urban Design Guidelines and all other applicable Council adopted design guidelines;
- b) The bulk, scale and shape of buildings shall be complementary to and compatible with *existing* and planned buildings and land uses;
- c) *Development* shall provide appropriate transitions in height and massing to the *existing* built and natural context, to ensure access to light, views, and privacy;
- d) *Development adjacent* to Grindstone Creek shall create appropriate architectural and naturalized landscape transitions to Core Areas and their associated *Vegetation Protection Zones*;
- e) Climate change impacts shall be considered in site and building design for *development*. The incorporation of design approaches that foster climate change resilience are encouraged; and,
- f) The City may require consultation with the Design Review Panel prior to any public or private development approvals, to ensure that the design objectives and policies of this Plan are reflected in all projects.

4.4.10.2 Community Node Design Policies

In addition to Section B.3.3 – Urban Design Policies of Volume 1, the following policies shall apply to lands within the Community Node boundary as identified on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan:

- a) New *development* shall serve to create animated and vibrant streetscapes;
- b) Buildings directly adjacent to public rights-of-way shall exhibit high quality interfaces with the public realm;
- c) Barrier-free design shall be required for all *development*;
- d) The design intent for the Community Node is to create a consistent human scale, village feel across the Node, with a two to three storey street wall fronting onto public streets. To achieve this, the following policies shall apply:
 - i) In accordance with Policy B.4.4.6.4, all lands designated Mixed Use – Medium Density identified as *pedestrian focus streets* shall have a minimum height of 2 storeys;
 - ii) In non-*pedestrian focus street* areas, new single storey buildings fronting public streets are discouraged; and,
 - iii) The massing of buildings that are greater than three storeys shall be stepped back above the second or third storey along all building façades facing a street.
- e) Landscaping shall form an integral part of all *developments*. Distinctive, high-quality landscape elements shall be provided which shall be used to enhance the aesthetic quality of the site, expand the tree canopy, contribute to stormwater management, and provide transitions between land uses;
- f) Where redevelopment includes a *multiple dwelling* or *multiple dwellings* with greater than 20 dwelling units in total, a common outdoor amenity space shall be provided for the *multiple dwelling* on the ground floor;
- g) The ground floor design of buildings shall be human-scaled and contribute to a comfortable and attractive public realm;
- h) Publicly accessible open spaces shall be encouraged in new *development* to animate the public realm;
- i) The location of vehicle parking areas and access points shall not negatively affect the pedestrian and cycling environment or pedestrian access to buildings;
- j) Major *redevelopment* on large sites on the west side of Hamilton Street North shall introduce a secondary street network grid pattern that provides improved *connectivity* throughout the site and connects with *existing* public rights-of-way;
- k) The design of a secondary street network shall give consideration to providing shared vehicular access to the secondary street network from adjacent properties, to reduce the number of vehicular accesses on Dundas Street and Hamilton Street;

- l) Where a large site is intended to *redevelop* in multiple phases or over an extended period of time, a phasing plan shall be submitted to the City at each interim stage to demonstrate coordination of utilities, roads and mid-block connections, buildings, parking, landscaping and open spaces;
- m) Appropriate built form and landscape transitions shall occur where *development* is located *adjacent* to Waterdown Memorial Park to ensure minimal shadow impacts, access to sunlight and sky views, and create a positive interface between *development* and the park;
- n) Where multiple buildings on a site are proposed, complementary building design and materials shall be used to create a cohesive *development*;
- o) Façade design and material use shall be complementary to the character and cultural heritage value of *existing built heritage resources* and *cultural heritage landscapes*. Contemporary additions to *built heritage resources* and within *cultural heritage landscapes* shall maintain the prominence of these cultural heritage resources;
- p) New development shall maintain the prominence of adjacent *cultural heritage resources*, including within *cultural heritage landscapes*;
- q) Where a development application is adjacent to or on the same site as a *cultural heritage resource*, the design of the site and buildings shall demonstrate compatibility with the *cultural heritage resource*;
- r) For any *development* application with a proposed height greater than three storeys, an Urban Design Brief shall be required which demonstrates the following design elements:
 - i) how the proposed buildings and site design relate to the *existing* and planned context of the area, including the relationship of the site and proposed buildings to other *existing* or planned buildings and *cultural heritage resources* in the area;
 - ii) that potential adverse impacts on *adjacent* uses have been mitigated, ensuring that proposed buildings or *structures* do not unduly overshadow, block light, or result in loss of privacy for *adjacent* buildings; and,
 - iii) that buildings are oriented and massed to minimize shadow impacts on the public realm and on private amenity areas both on *adjacent lands* and within the *development*.
- s) On large sites which may *redevelop* in phases, a master concept plan of the entire site shall be required for any proposal which includes significant changes to existing site design or built form, to demonstrate how the entire site can be developed in accordance with the vision and directions described in this Plan.

4.4.10.3 Residential Design Policies

In addition to Section B.3.3 – Urban Design Policies of Volume 1, the following policies shall apply to lands outside of the Community Node:

- a) *Development* outside of the Community Node boundary, as shown on Map B.4.4-1, shall be complementary to and *compatible* with the prevailing design character and heritage characteristics of *existing* properties. This includes design matters such as building scale, height, massing, lot coverage, roofline, material use, garage design, and landscaping;
- b) Residential *development* shall utilize high quality, sustainable façade materials which are compatible with *existing* residential buildings in the neighbourhood;
- c) *Development* shall demonstrate effort to maintain and expand the *existing* mature tree canopy; and,
- d) The retention of *existing* vegetation is encouraged as part of *development*.

4.4.10.4 Gateways

In addition to Section B.3.3.4 - Gateways of Volume 1, the following policies shall also apply to Gateway areas identified on Map B.4.4-2 – Waterdown Community Node - Transportation and Connections:

- a) A gateway has been identified at the intersection of Hamilton Street and Dundas Street. This gateway is a visually prominent intersection requiring special design considerations;
- b) In the gateway area, design within the public right-of way shall be consistent with the recommendations of the Waterdown Transportation Management Plan. Enhanced pedestrian crossing *infrastructure*, pedestrian amenities, wayfinding signage, and tree plantings are encouraged in the vicinity of this intersection;
- c) New *development* in the vicinity of the area identified as a gateway shall be located close to the street line and shall orient building mass towards the corners of the intersection to provide a strong built form presence; and,
- d) Other design measures such as orienting main building entrances to the corners of the gateway intersection, providing enhanced pedestrian amenities, providing additional landscaping and special landscape features and providing public-private open spaces close to this intersection shall also be considered in new *developments*, to emphasize the importance of the gateway.

4.4.11 Cultural Heritage Policies

The *existing* concentration of *cultural heritage resources* is one of the key strengths in the Waterdown Community Node Secondary Plan area. Heritage buildings and landscapes make the area a unique place and are an important part of its character. The Waterdown Community Node Secondary Plan recognizes the value of *built heritage resources* and *cultural heritage landscapes* and places a priority on their conservation and enhancement.

4.4.11.1 General Cultural Heritage Policies

In addition to Section B.3.4 – Cultural Heritage Resource Policies of Volume 1, the following policies shall also apply to *cultural heritage resources* within the Waterdown Community Node Secondary Plan:

- a) The Mill Street Heritage Conservation District is located within the Waterdown Community Node Secondary Plan and is identified on Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources. All *development* in the Mill Street Heritage Conservation District shall be consistent with the Mill Street Heritage Conservation District Plan;
- b) To provide recognition and increase awareness of *cultural heritage resources* within the Secondary Plan, interpretive plaques and or other interpretive devices are encouraged within any recognized *cultural heritage landscape* or for *built heritage resources* listed on the Municipal Heritage Register or designated under the *Ontario Heritage Act*;
- c) In addition to Policy B.3.3.12.2 of Volume 1, in *cultural heritage landscapes* and on specific properties containing *cultural heritage resources* the use of public art to contribute to the interpretation of local history is encouraged;
- d) The City may conduct further study on any lands within the Secondary Plan to investigate the feasibility of designating an area or areas as a Heritage Conservation District under Part V of the *Ontario Heritage Act*. Further study shall be subject to consultation with residents and landowners and the Hamilton Municipal Heritage Committee in accordance with the *Ontario Heritage Act*;
- e) In accordance with Policy B.3.4.5.2 of Volume 1, a priority shall be placed on the retention and conservation of *significant built heritage resources* in their original locations. The relocation or demolition of *significant built heritage resources* is strongly discouraged; and,
- f) Appendix A – Waterdown Community Node Secondary Plan - Cultural Heritage Resources is for information only. Any changes to the status of *cultural heritage resources* which have been approved by the City through another process shall not require an Official Plan Amendment.

4.4.11.2 Cultural Heritage Landscapes

In addition to the policies of Section B.3.4.6 – Cultural Heritage Landscapes of Volume 1, the following policies shall apply:

- a) The Waterdown Community Node Secondary Plan contains the following six *significant cultural heritage landscapes*, as identified on Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources:
 - i) Dundas Street Cultural Heritage Landscape;
 - ii) Main Street Cultural Heritage Landscape;
 - iii) Sealey Park Cultural Heritage Landscape;
 - iv) Waterdown Heights Subdivision Cultural Heritage Landscape;

- v) Waterdown Memorial Park Cultural Heritage Landscape; and,
 - vi) Union Cemetery Cultural Heritage Landscape.
-
- b) The research and evaluations within the Waterdown Community Node Secondary Plan Cultural Heritage Review completed by Archaeological Services Inc., 2021, form the basis for the identification of the *significant cultural heritage landscapes* in the Secondary Plan and the cultural heritage values and *heritage attributes* within these *cultural heritage landscapes* that are considered *significant*. This report shall be used to inform reviews of future *development* proposals and their impacts on *cultural heritage landscapes*;
 - c) *Cultural heritage landscapes* identified on Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources shall be conserved by retaining *significant* cultural heritage value and *heritage attributes* and ensuring *compatible development*;
 - d) The protection of *built heritage resources* within *cultural heritage landscapes* shall be achieved through listing properties on the Municipal Heritage Register and designation of individual properties under the *Ontario Heritage Act*, where appropriate;
 - e) The conservation and protection of identified *significant heritage attributes* in *cultural heritage landscapes* shall occur through a variety of approaches, including the application of the policies of this Secondary Plan and the Urban Hamilton Official Plan, Zoning By-law standards, the application of the Waterdown Community Node Urban Design Guidelines, and through Site Plan Control;
 - f) In addition to Policy B.3.4.2.12 of Volume 1, a *Cultural Heritage Impact Assessment* (CHIA) may also be required by the City and submitted prior to or at the time of any application submission pursuant to the *Planning Act, R.S.O., 1990 c. P.13* where the proposed *development* or *redevelopment* of lands is located within or adjacent to an identified *cultural heritage landscape*;
 - g) Properties listed on the Municipal Heritage Register within *cultural heritage landscapes* support the integrity of the landscape. The demolition of buildings which are listed on the Municipal Heritage Register is strongly discouraged, unless a *Cultural Heritage Impact Assessment* approved by the City has determined that potential impacts can be mitigated;
 - h) *Significant* views within *Cultural Heritage Landscapes* are identified on Appendix A - Waterdown Community Node Secondary Plan – Cultural Heritage Resources. A Visual Impact Assessment may be required as part of any *development* application to ensure that these views are protected;
 - i) Development within a *cultural heritage landscape* shall be consistent with design directions for *cultural heritage landscapes* contained within the Waterdown Community Node Urban Design Guidelines;
 - j) The lower height of buildings in the Dundas Street *Cultural Heritage Landscape* is a key contributor to its cultural heritage value. To protect

this cultural heritage value, no building in the Dundas Street *Cultural Heritage Landscape* identified on Appendix A - Waterdown Community Node Secondary Plan – Cultural Heritage Resources, shall be taller than three storeys;

- k) The Zoning By-law shall establish standards for residential lots in the Main Street *Cultural Heritage Landscape* which ensure that a modest residential building scale is maintained;
- l) Development within the Waterdown Heights Subdivision *Cultural Heritage Landscape* shall comply with the following policies:
 - i) Severances that are inconsistent with the *historic* lot sizes and lotting pattern of the *cultural heritage landscape* shall not be permitted;
 - ii) Notwithstanding Policy E.3.4.5 of Volume 1 and Policy B.4.4.5.3 a), *development* shall be limited to a maximum height consistent with the heights of *existing* buildings in the Waterdown Heights Subdivision *Cultural Heritage Landscape* which are listed on the Municipal Heritage Register; and, (OPA 247)
 - iii) Where additions to *existing* dwellings are proposed, these are encouraged at the rear of dwelling units to conserve the original scale and massing of *existing* building facades.
- m) *Significant heritage attributes* of the Sealey Park, Waterdown Memorial Park and Union Cemetery *Cultural Heritage Landscapes* may be conserved through designation of these sites under Part IV of the *Ontario Heritage Act*, in addition to the policies of this Secondary Plan;
- n) The Grindstone Creek valley shall be researched and evaluated as a *cultural heritage landscape* for its significance as a natural landscape as well as being the site of numerous milling industries and the Canadian Pacific Railway line; and,
- o) The *historic* Village of Waterdown, bounded generally by Parkside Drive, First Street, Mountain Brow Road and Hamilton Street, shall be researched and evaluated as a *cultural heritage landscape* to assist in the conservation of the *historic* Village as a whole. This research and evaluation should identify additional areas outside of the Mill Street Heritage Conservation District that may warrant Part V designation under *Ontario Heritage Act* as a Heritage Conservation District.

Cultural Heritage Landscape Attributes

- 4.4.11.2.1 The following *heritage attributes* are recognized as *significant* to the Dundas Street *Cultural Heritage Landscape* and are conservation priorities for this landscape:
- a) The operation of Dundas Street as a publicly accessible thoroughfare;
 - b) Mature trees, in particular along Grindstone Creek and within several nineteenth and early-twentieth century properties along the right-of-way;

- c) Views along Dundas Street from Flamboro Street looking east towards First Street and from First Street looking west towards Flamboro Street;
- d) Views from the Dundas Street Bridge looking north and south along the Grindstone Creek and Canadian Pacific Railway line;
- e) The scale, form, massing and architectural details of the historical residential and commercial buildings throughout the corridor, which includes:
 - i) Built form set near the right-of-way for commercial building types and shallow, but varied, set-backs for residential types;
 - ii) Buildings constructed primarily of masonry or wood-frame construction; and,
 - iii) Modest building scale and building heights;
- f) The historic aesthetic and scenic quality of the Dundas Street Corridor, including the scale of built form to right of way width, mature trees, and vegetation;
- g) Landmark properties, including the Smith/Carson House, Crooker House, Maple Lawn, Chestnut Grove, Former New Connexion Church, Eager House and Memorial Hall; and,
- h) Key intersections with Mill Street and Main Street, and their landmark buildings, including the Former Kirk Hotel, American Hotel, Weeks/Eager Store, and the Stock Building.

4.4.11.2.2 The following *heritage attributes* are recognized as significant to the Main Street Cultural Heritage Landscape and are conservation priorities for this landscape:

- a) The characteristics of Main Street as a publicly accessed thoroughfare;
- b) Mature trees along the roadway;
- c) The scale, form, massing and architectural details of the historical residential and commercial buildings throughout the corridor which includes:
 - i) Built form set near the right of way for commercial building types and shallow but varied set-backs for residential types;
 - ii) Buildings constructed primarily of masonry or wood-frame construction;
 - iii) Building heights of one to two and a half storeys in height; and,
 - iv) Modest building scale and simplified building form;
- d) The historic aesthetic and scenic quality of the *Main Street Cultural Heritage Landscape*, including the narrow road width, topography,

curving quality of the roadway, scale of built form to road width, mature trees, and vegetation as well as the unique placement and lot size and orientation of the properties at the intersection of Main Street North and John Street; and,

- e) Views of the water tower at 24 Kelly Street looking north along Main Street from around 170 Main Street North and looking south from Buchan Court.

4.4.11.2.3 The following *heritage attributes* are recognized as *significant* to the Sealey Park *Cultural Heritage Landscape* and are conservation priorities for this landscape:

- a) The size and boundary of the park;
- b) The entrance gate feature with stone pillars and metal sign reading "Sealey Park";
- c) The main portion of the current Scout Hall, remnant of the former Waterdown Grammar and Common School which was constructed in the Classical Revival style including:
 - i) The stone construction and stone corner quoins;
 - ii) The fenestration, window openings, wooden frames and double-hung six-over-six sash, stone sills, and jack arches;
 - iii) The semi-circular engraved plaque remaining from the original school's 1878 addition and relocated to the top of the west elevation; and,
 - iv) The location of the entrance to the addition from School Street which is in the same position as would have been in the school as it was built in the mid-nineteenth century.
- d) The concrete pathways which are in the same location as historical images of the school;
- e) The German artillery piece, as the sole remaining element associated with the military history of the property;
- f) Mature trees throughout the park and on the east side of the park on the downward slope towards Mill Street South; and,
- g) The vista over the Grindstone Creek valley and the Niagara Escarpment from the east side of the park which is visible from the top of the rise and opens as one travels down the trail through the treed slope.

4.4.11.2.4 The following *heritage attributes* are recognized as *significant* to the Waterdown Heights Subdivision *Cultural Heritage Landscape* and are conservation priorities for this landscape:

- a) Housing designs consistent with plans issued by the Canadian Mortgage and Housing Corporation in the 1940's, 1950's and 1960's;

- b) One to one and a half storey heights and modest scales;
- c) Simplified massing consistent with post-Second World War designs such as modest bungalows, cottages and ranch styles incorporating concrete foundations, and brick veneer or horizontal siding;
- d) Lot sizes and pattern with lots back to back and generally 75 feet wide by 180 feet deep; and,
- e) The name of Churchill Avenue as it connects the subdivision to the Second World War.

4.4.11.2.5 The following *heritage attributes* are recognized as *significant* to the Waterdown Memorial Park *Cultural Heritage Landscape* and are conservation priorities for this landscape:

- a) The size and boundary of the park;
- b) The stone entrance feature on Main Street North with wrought-iron gates, stone pillars, and engraved stone plaques;
- c) Views from the east entrance gate on Main Street North into the interior of Waterdown Memorial Park;
- d) Mature trees lining the east and south property lines of the park; and,
- e) Commemorative features such as the name of the park, the red maple tree, and the "Queen's Bench".

4.4.11.2.6 The following *heritage attributes* are recognized as *significant* to the Union Cemetery *Cultural Heritage Landscape* and are conservation priorities for this landscape:

- a) The siting of the cemetery on the east bank and overlooking Grindstone Creek;
- b) The three entrances to the cemetery at William Street and Margaret Street;
- c) The iron fence including three entrance gates and one turnstile;
- d) The L-shaped laneway through the property connecting William Street and Margaret Street which delineates the gradual expansion of the cemetery property through its alignment with historical property boundaries;
- e) The line of trees on the west side of the north-south laneway and along Margaret Street;
- f) The mix of coniferous and deciduous trees and shrubs throughout the cemetery;
- g) The general arrangement of the cemetery with burials facing east and west and arranged with the oldest sections to the west and newest to the east;

- h) The terraced land stepping down towards Grindstone Creek; and,
- i) The mausoleum, gravestones, monuments, and burial sites.

4.4.12 Natural Heritage Policies

Grindstone Creek is the predominant natural heritage feature in the Waterdown Community Node Secondary Plan. Grindstone Creek and part of the Grindstone Creek *Environmentally Significant Area* (ESA) about the easterly boundary of the Secondary Plan and traverse the Plan east of Mill Street. Natural Heritage System features, flooding and erosion hazards regulated by the Conservation Authority, and some areas subject to Provincial plans are shown for information on Appendix B – Waterdown Community Node Secondary Plan – Natural Heritage System;

- 4.4.12.1 All *development* proposed on a property containing a portion of the Conservation Authority's regulated area shall require approval from the Conservation Authority;
- 4.4.12.2 In accordance with Policy B.3.6.5 of Volume 1, new *development* shall be directed to areas outside of lands impacted by flooding and erosion hazards, hazardous sites and associated setbacks. *Development* applications may be required to submit detailed studies or surveys to assess and evaluate hazard limits;
- 4.4.12.3 The boundaries of *Core Areas* and *Linkages* as identified on Schedule B – Natural Heritage System of Volume 1 are shown on Appendix B – Waterdown Community Node Secondary Plan - Natural Heritage and Hazards. In addition to Policy C.2.2.2 of Volume 1, minor refinements to such boundaries may occur through Environmental Impact Statements, *watershed* studies or other appropriate studies accepted by the City without an amendment to the Secondary Plan;
- 4.4.12.4 *Development* applications near Core Areas or Linkages identified on Appendix B – Waterdown Community Node Secondary Plan – Natural Heritage System, may require further evaluation of the Natural Heritage System to ensure protection of these features; and,
- 4.4.12.5 Environmental Impact Statements and other evaluations of the Natural Heritage system completed in support of *development* applications should consider climate change impacts affecting the Natural Heritage System and identify opportunities to enhance climate change resilience.

4.4.13 Transportation and Connections

The directions for the *transportation system* within the Secondary Plan area are based on providing a balanced accommodation of all users and modes of transportation. The 2022 Waterdown Community Transportation Management Plan (WCTMP), as may be amended, provides direction for the transportation network in the Waterdown Community Node Secondary Plan. The policies of this Plan are intended to support the recommendations of the WCTMP and other City-wide transportation master plans.

- 4.4.13.1 General Transportation Policies

In addition to Section C.4.0 – Integrated Transportation Network of Volume 1, the following transportation policies shall also apply:

- a) Improvements and changes to the *transportation system* in the Waterdown Community Node Secondary Plan area shall proceed on the basis of the recommendations of the WCTMP and in accordance with the recommendations of other relevant City approved plans, including but not limited to the Hamilton Transportation Master Plan; Hamilton's Cycling Master Plan; the Truck Route Master Plan; the Pedestrian Mobility Master Plan; and the Recreational Trails Master Plan; and,
- b) *Development* proposals shall consider the City's *Transportation Demand Management Land Development Guidelines*. A proposal for *development* may be required to submit a *Transportation Demand Management Options Report*, at the discretion of the City, to review measures that can be taken to encourage sustainable travel choices.

4.4.13.2 Active Transportation Network

Active transportation is an important mode of transportation with many public health and environmental benefits. Increasing opportunities for *active transportation* and *transit* use is an important way to reduce emissions and mitigate impacts of a changing climate. The Secondary Plan supports *active transportation* by planning for a compact, mixed use area within the

Community Node, and by supporting improvements to the quality and safety of the *active transportation* network. The following policies shall apply:

- a) Elements of the *existing* and proposed *active transportation* network, including new pedestrian connections and *existing* and planned bike facilities are shown on Map B.4.4-2 – Waterdown Community Node Secondary Plan – Transportation and Connections. Changes to proposed connections or cycling facilities may be made without amendment to this Plan where the City has completed another study, detailed evaluation or plan update after the date of approval of this Plan;
- b) Where warranted, and in accordance with the WCTMP, pedestrian crossings shall be enhanced in order to facilitate the movement of pedestrians throughout the Secondary Plan area;
- c) Additional pedestrian street crossings shall be planned in three locations in the Waterdown Community Node, if operationally feasible:
 - i) A new crossing of Hamilton Street North between Dundas Street and White Oak Drive;
 - ii) A new crossing of Dundas Street between Perelli Street and Hamilton Street; and,
 - iii) A new crossing of Dundas Street between Hamilton Street and Main Street.
- d) Exact locations and timing for the installation of future pedestrian crossings identified in Policy B.4.4.13.2 c) shall be determined based on an evaluation of the City's crossing criteria and the design and timing of

new *development* in these areas;

- e) A multi-use path for pedestrians and cyclists is planned along Hamilton Street from Parkside Drive to Barton Street, as identified on Map B.4.4-2 – Waterdown Community Node Secondary Plan – Transportation and Connections. The multi-use path shall be provided within the right-of-way on the west side of the street;
- f) The design of any public realm changes or development along the west side of Hamilton Street shall have consideration for the space and design needs of the multi-use path;
- g) Any reconstruction or replacement of sidewalks in the public right-of-way on Hamilton Street North or Dundas Street shall consider the incorporation of *Urban Braille* in order to enhance the accessible sidewalk network;
- h) In all areas of the Community Node, new *development* and any replacement or reconstruction of sidewalks shall provide sidewalks with a minimum width of 2 metres in the public right-of-way;
- i) Notwithstanding Policy B.4.4.13.2 h), on lands identified as pedestrian focus streets on Map B.4.4-1 – Waterdown Community Node Secondary Plan - Land Use Plan, *development* shall provide a minimum sidewalk width of 3 metres. Sidewalk areas may include tree plantings and other public realm amenities but should strive to provide a clear through width of 2.1 metres unencumbered by obstructions;
- j) Notwithstanding Policies B.4.4.13.2 h) and i), a lesser sidewalk width may be provided where one of the following conditions apply:
 - i) A lesser sidewalk width may be provided where *existing* right of ways or other *existing* conditions physically prevent the provision of the minimum sidewalk width, or where increasing sidewalk widths will have negative impacts on a *cultural heritage resource (built heritage resource or cultural heritage landscape)*; and,
 - ii) A lesser sidewalk width may be provided on the west side of Hamilton Street North where a multi-use path is planned to be provided in lieu of a wider sidewalk.
- k) Existing *active transportation* connections identified on Map B.4.4-2 Waterdown Community Node Secondary Plan – Transportation and Connections shall be maintained. New *development* shall be designed to provide safe and convenient access from these *existing* connections to buildings within the site and to public sidewalks;
- l) Three proposed *active transportation* connections are identified on Map B.4.4-2 – Waterdown Community Node Secondary Plan - Transportation and Connections; a connection over Grindstone Creek north of Dundas Street, a connection between Griffin Street and a pedestrian bridge on the south side of the Dundas Street road bridge, and a connection from Sealy Park to the Smokey Hollow waterfall. The City shall plan for these connections through the Recreational Trails Master Plan to support

walking and cycling to destinations within and outside of the Secondary Plan;

- m) Where lands needed for connections in Policy B.4.4.13.2 l) are privately owned, connections may be achieved through land acquisitions, dedications, easements, or any other measures deemed appropriate. Public ownership is required for paths within the Conservation Authority's regulated area;
- n) If a proposed connection is determined to be unfeasible due to land constraints, hazards, cumulative impacts or other factors, alternative locations may be considered to achieve a similar purpose without amendment to this Plan;
- o) When *development* occurs in the Community Node on properties fronting on Major or Minor Arterial Roads, on-site pedestrian and cycling amenities such as but not limited to seating and bicycle parking shall be required in order to encourage *active transportation*; and,
- p) Additional pedestrian trails and bicycle lanes may be provided on public street rights-of-way and public open space lands without amendment to this Plan.

4.4.13.3 Public Transit Network

Public *transit* is an important mode of transportation, offering a vehicular alternative to individual vehicle trips. Public *transit* can make transportation more accessible and *affordable* and can also contribute to the City's goals of reducing emissions. In accordance with the WCTMP, it is the long-term plan of the City to increase *transit* options and the level of service in the Waterdown area, including within the Community Node. The following *transit* policies shall apply:

- a) A local *transit* hub is planned within the Community Node area to support enhanced *transit* service. The location of the transit hub within the Community Node shall be determined by the Hamilton Street Railway (HSR). The preliminary preferred location is within the Dundas Street right-of-way west of Hamilton Street, based on land needs for the *transit* hub and available right-of-way widths;
- b) The *transit* hub may include a variety of amenities which support the function of the transit hub, such as but not limited to passenger platforms, *transit* shelters, litter containers, benches, fare vending machines, bus stop signage, street trees, lighting, bicycle racks and bike share docking stations;
- c) All *development* applications fronting on Dundas Street west of Hamilton Street shall be required to consult with the HSR to ensure that the design of *development adjacent* to Dundas Street does not conflict with the design needs for the future *transit* hub. In particular, changes to site access locations or requests for new accesses may not be permitted;
- d) *Development* along public *transit* routes shall incorporate barrier-free access to public *transit* and public *transit infrastructure*, where appropriate;

- e) There is potential for a future interregional *transit* route to be located on Dundas Street. Interregional *transit* service and connections to the potential future *transit* hub are encouraged within the Community Node; and,
- f) In addition to the provision of traditional public *transit* service, other innovative forms of public *transit* such as on-demand *transit* are also encouraged to support *transit* use in the Secondary Plan area.

4.4.13.4 Parking

Waterdown has a high level of vehicle usage. Although an objective of this Plan is to encourage greater use of *transit* and *active transportation* travel modes, there is and will continue to be a need to provide sufficient vehicular parking to meet future demand. The shift to other travel modes is expected to be a gradual process taking place over the long term.

In particular, the area east of Hamilton Street, along Dundas Street and along the streets that intersect with Dundas Street within the Community Node, has historically developed with lower amounts of private parking. This contributes to an attractive and pedestrian focused commercial environment. However, it can create some challenges meeting demands

for vehicle parking. These challenges may become more prevalent in the short and medium term as additional *intensification* occurs, as shifts in travel modes are expected to take place gradually over the long term.

4.4.13.4.1 Within the area identified as the Community Node on Map B.4.4-1 – Land Use Plan, the following parking policies shall apply:

- a) On-street parking provides an important function within the Community Node area. *Existing* on-street parking spaces shall be maintained where feasible;
- b) Improvements to *existing* on-street parking spaces or the addition of on-street parking spaces are encouraged provided they do not impact the provision of transit infrastructure;
- c) Where feasible, vehicular site accesses shall be located to maximize on-street parking opportunities;
- d) Reductions in parking requirements may be considered to facilitate the *adaptive reuse of built heritage resources* where the provision of parking would negatively impact a *cultural heritage resource*;
- e) Where all or a portion of on-site parking requirements in the Zoning By-law cannot be met, then the first consideration shall be payment of cash in lieu of parking in accordance with Policy F.1.20 of Volume 1;
- f) The City shall investigate the feasibility of establishing a municipally operated off-street public parking lot in the Community Node to create a centralized parking resource that is separate from privately-owned parking;
- g) Public-private partnerships between the City and new *development* to

create municipally operated off-street parking are encouraged. The City shall monitor new *development* proposals to identify appropriate opportunities for public-private partnerships; and,

- h) Public short-term bicycle parking and electric vehicle (EV) charging facilities shall be provided as part of any off-street public parking facility.

4.4.13.5 Special Character Roads

- a) The following road segments in the Secondary Plan shall be identified as heritage roads:
 - i) Dundas Street East within the boundary of the Dundas Street *Cultural Heritage Landscape* identified on Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources; and,
 - ii) Main Street North and South within the boundary of the Main Street *Cultural Heritage Landscape* identified on Appendix A – Waterdown Community Node Secondary Plan – Cultural Heritage Resources.
- b) For the heritage roads identified in Policy B.4.4.13.5 a) of this Plan, Policies C.4.5.3 to C.4.5.3.4 of Volume 1 shall apply; and,
- c) In addition to Policies C.4.5.3 to C.4.5.3.4 of Volume 1, all public and private initiatives within this corridor shall endeavour to protect the recognized *heritage attributes* of the Dundas Street and Main Street *cultural heritage landscapes* as identified in Policies B.4.4.11.2.1 and B.4.4.11.2.2.

4.4.14 Infrastructure, Energy and Sustainability Policies

4.4.14.1 Municipal services, such as sewers, water, stormwater systems and public/private utilities shall be provided, maintained and upgraded, as may be required, to accommodate the needs of *existing* and future *development* in the Waterdown Community Node Secondary Plan area. In addition to Section C.5.0 – Infrastructure of Volume 1, the following policies shall also apply:

- a) The City shall monitor the capacity and reassess the need to manage stormwater runoff, as may be required;
- b) The approval of *development* applications shall be contingent on the availability of water and wastewater capacity;
- c) To increase energy efficiency and reduce the environmental impact of buildings, all commercial, institutional, mixed use and *multiple dwelling* buildings will be encouraged to:
 - i) Build to higher energy efficient standards than outlined in the Ontario Building Code;
 - ii) Have green roofs or cool roofing materials;
 - iii) Provide solar capture equipment;

- iv) Provide for a portion of the building's total energy requirements through alternative energy sources, including photovoltaic, geothermal, or other alternatives;
 - iv) Utilize grey water recycling;
 - v) Utilize low demand or low flow fixtures; and,
 - vi) Plant trees and other vegetation to provide shade, increase tree canopy cover and provide other environmental benefits.
- d) Low Impact Development (LID) is a design technique which contributes to aquatic habitat protection, can help regulate water runoff, improve water quality and reduce the flooding risks associated with extreme weather events. *Development*, including the *redevelopment* or creation of parking lots, shall utilize Low Impact Development (LID) measures in site design where feasible to reduce water runoff and improve water quality;
- e) Where appropriate, soil cells or similar Low Impact Development technologies should be used for street tree planting to improve storm water management function in conjunction with plantings;
- f) Electric vehicle (EV) charging stations are encouraged to be provided on lands designated Mixed Use - Medium Density, Local Commercial, Medium Density Residential 2 and High Density Residential 1;
- g) The use of self-sustaining, drought-tolerant native groundcover is encouraged in lieu of sod in areas where mowed turf areas/strips are contemplated. Minimizing mowed turf improves sustainability and resiliency to climate change, improves infiltration and SWM function and improves ecological support for pollinators;
- h) Native plant species are encouraged in all landscaped areas to reduce the risk of invasive, non-native species being introduced and provide support for pollinators and birds;
- i) Proposed *development* shall consider how energy efficiency measures, LID measures, innovative servicing technologies or other sustainable measures can be incorporated into site and building design;
- j) In addition to Policies F.1.19.5 and F.1.19.6 of Volume 1, a report may be requested as part of a *development* application to demonstrate what energy efficiency measures, LID measures, innovative servicing technologies or other sustainable measures have been employed and how they have been incorporated into the proposal;
- k) In addition to Policies F.1.19.5 and F.1.19.6 of Volume 1, a Soil Management Plan may be required as part of a complete application under the Planning Act, R.S.O., 1990 c. P.13, to maintain or improve soil storm water infiltration capacity and *conserve ecological functions* in soil following *development*; and,
- l) Conditions may be applied to site plan applications requiring inspections and testing to verify that post-construction soil quality and

depth standards recommended by a soil management plan have been met.

4.4.15 Implementation

- a) The City shall ensure that the cost of any growth-related improvements needed for water, sanitary and stormwater *infrastructure* are incorporated into the capital budget planning process;
- b) In addition to the definition of *development* in Chapter G of Volume 1, for the purposes of this Plan, the term *development* shall also include *redevelopment*;
- c) *Development* may include *infrastructure* for drainage control located on private lands. Where deemed necessary, the City may require the registration of Site Plan agreements on title of a property, to give the City legal authority to ensure that these controls continue to function appropriately in the future;
- d) Where feasible, urban services, utilities and overhead wires should be buried underground as part of future planned road reconstruction, streetscape installation projects or *development*;
- e) The zoning by-law may be amended to recognize a legal non-complying residential use as an existing use in accordance with Policy F.1.12.8 of Volume 1;
- f) Costs for the installation of additional pedestrian crossings identified in Policy B.4.4.13.2 c) shall be incorporated into the City's Development Charges By-law;
- g) The following strategies, among others, may be considered as part of the investigation of feasibility for a municipally operated off-street public parking lot referenced in Policy B.4.4.13.4.1 f):
 - i) A public-private partnership with a landowner to use an *existing* surface parking area or vacant land for the purposes of a public parking lot; or,
 - ii) A public-private partnership to create a publicly accessible parking facility within a new *development*.
- h) In addition to the definition of *heritage attributes* in Chapter G of Volume 1, for the purposes of this Plan, the term *heritage attributes* shall also include the principal features or elements that contribute to a *cultural heritage landscape's* cultural heritage value or interest; and,
- i) In accordance with Policy C.2.5.1 of Volume 1, the Zoning By-law shall restrict the permitted uses in Core Areas identified on Appendix B – Waterdown Community Node Secondary Plan - Natural Heritage and Hazards, and further identified on Schedule B – Natural Heritage System of Volume 1.

4.4.16 Area and Site Specific Policies

Area and Site Specific Policy Areas have been identified on Map B.4.4-1 – Waterdown Community Node – Land Use Plan.

4.4.16.1 Area Specific Policy – Area A

For the lands located at 273, 275, 277, 279, 281 and 285 Parkside Drive, 15, 21, and 29 John Street West, and 29, 35 and 41 Hamilton Street South, designated Medium Density Residential 2 and shown as Area Specific Policy - Area A on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, the following policies shall apply:

- a) Lot consolidation shall take place prior to development for medium density residential uses, to establish a sufficient lot area; and,
- b) In addition to the uses permitted in Section E.3.5 – Medium Density Residential of Volume 1 and Policy B.4.4.5.4, *existing* uses shall be permitted and shall be recognized in the Zoning By-law. (OPA 247)

4.4.16.2 Area Specific Policy – Area B

Notwithstanding Policy E.3.4.5 of Volume 1, for the lands bounded by Parkside Drive, Victoria Street, Elgin Street, and the eastern boundary of the Secondary Plan, designated Low Density Residential 1 and shown as Area Specific Policy - Area B on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, *development* shall be limited to a maximum height *compatible* with the heights of *built heritage resources* in the Waterdown Heights Subdivision *Cultural Heritage Landscape* which are listed on the Municipal Heritage Register.

4.4.16.3 Area Specific Policy – Area C

For the lands located at 3 and 4 Howard Boulevard, designated Mixed Use – Medium Density and shown as Area Specific Policy – Area C on Map B.4.4-1 – Waterdown Community Node Secondary Plan – Land Use Plan, lot consolidation with a lot fronting onto Dundas Street shall take place prior to *development* for Mixed Use – Medium Density land uses.

4.4.16.4 Area Specific Policy – Area D

For the lands located at Dundas Street East, Barton Street, Flamboro Street, Griffin Street, Franklin Street, Main Street and Mill Street, designated Mixed Use - Medium Density and Mixed Use – Medium Density – Pedestrian Focus, and shown as Area Specific Policy - Area D on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, the following policies shall apply:

- a) Notwithstanding Policies E.4.6.7 and E.4.6.8 of Volume 1, to maintain the *historic* character of the area and protect the cultural heritage values of the Dundas Street and Main Street *Cultural Heritage Landscapes*, no building in Area Specific Policy – Area D shall have a height greater than three storeys;
- b) The Zoning By-law shall establish appropriate standards to ensure that *development* is *compatible* with the character of the area, including with *cultural heritage resources* within Area Specific Policy – Area D;

- c) New *development* shall consider the area's unique walkability and explore opportunities for mid-block connections and the establishment of new publicly accessible open spaces, courtyards or plazas in the interior of blocks;
- d) Building siting and design shall establish or reinforce a continuous street wall condition along the street edge of Dundas Street; and,
- e) Notwithstanding Policy E.4.3.4 a) of Volume 1, minimum block face requirements shall not apply where a commercial parking facility is proposed on a lot which does not have frontage on Dundas Street.

4.4.16.5 Site Specific Policy – Area E

In addition to the uses permitted in Policy E.3.4.3 of Volume 1, for the lands located at 140 and 146 Mill Street North, designated Low Density Residential 1 and shown as Site Specific Policy - Area E on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, a funeral home may also be permitted. (OPA 247)

4.4.16.6 Site Specific Policy – Area F

In addition to the uses permitted in Policy E.4.6.5 – Mixed Use – Medium Density Designation of Volume 1, on the lands designated Mixed Use – Medium Density – Pedestrian Focus, located at 61 Hamilton Street North, and shown as Site Specific Policy - Area F on Map B.4.4-1 – Waterdown Community Node – Land Use Plan the *existing* building and lumber supply establishment may also be permitted.

4.4.16.7 Site Specific Policy – Area G

For the lands located at 5 Hamilton Street North, designated Mixed Use – Medium Density – Pedestrian Focus and shown as Site Specific Policy - Area G on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, the following policies shall apply:

- a) Notwithstanding Policy E.4.3.4 d) of Volume 1, residential uses may be permitted on the ground floor of a *multiple dwelling*, provided that no residential uses front onto Hamilton Street;
- b) Notwithstanding Policy E.4.3.4 c) of Volume 1, the principal commercial entrance within the ground floor façade may be located on the north side of the building instead of directly *adjacent* to the street; and,
- c) Notwithstanding Policy B.4.4.10.2 d) iii), the massing of the building shall not be required to be stepped back adjacent to the street above the second or third storey.

4.4.16.8 Site Specific Policy – Area H

For the lands located at 1 Hamilton Street South, designated High Density Residential 1 and shown as Site Specific Policy - Area H on Map B.4.4-1 – Waterdown Community Node – Land Use Plan, the following policies shall apply:

- a) In addition to Section E.3.6 of Volume 1 and Policy B.4.4.5.7, any new buildings proposed on the site shall meet the following requirements:
 - i) New buildings shall be built up to the street line on Dundas Street, and parking, driveways or lanes shall not be permitted between buildings and the Dundas Street frontage;
 - ii) Active commercial uses shall be provided at grade fronting Dundas Street;
 - iii) Each building and commercial use shall face onto Dundas Street with the main entrance of each building and commercial use and substantial fenestration facing on to the street; and,
 - iv) The main façade of a new building shall be a minimum of two storeys facing Dundas Street.

4.4.16.9 **Site Specific Policy – Area I**

In addition to the uses permitted in Policy E.4.6.5 – Mixed Use – Medium Density – Pedestrian Focus Designation of Volume 1, for the lands designated Mixed Use – Medium Density, located at 19 Flamborough Street, the *existing* motor vehicle related use and a motor vehicle washing establishment may also be permitted.