

## APPENDIX I

### SUMMARY OF PARK DEVELOPMENT STANDARDS

#### 1.0 STANDARDS

1. All Parks and Open Space developed in the City of Hamilton shall comply with the details and standards set out in the Park and Open Space Development Manual. This document provides a summary of the more common requirements. (*This Manual is currently under development and available in winter 2007-08*).
2. All parks and play equipment shall be accessible in accordance with the City of Hamilton Barrier-Free Design Guidelines (2006), version 1.1, published Feb. 7, 2006.
3. All play areas and play equipment shall comply with the City of Hamilton Playground Equipment Standards, rev. August. 22, 2006
4. Comply with *CAN/CSA Standard Z614 – Children’s Playspaces and Equipment* (latest edition). See <http://www.csa.ca>
5. Comply with Accessibility for Ontarians with Disabilities Act, 2005 and Ontarians with Disabilities Act, 2001. Refer to US Guide to ADA Guidelines for Accessible Play Areas for clarification and requirements of “accessible” play features. See <http://www.access-board.gov/play/guide/intro.htm>
6. Unless specified otherwise in the details and specifications listed below, construction materials and methods shall comply with The City of Hamilton Construction and Material Specifications Manual, (January 2007, issued by the Department of Public Works and available online at:  
<http://www.myhamilton.ca/myhamilton/CityandGovernment/CityDepartments/PublicWorks/CapitalPlanning/Design/Construction+and+Material+Specifications.htm>
7. All plant material proposed to be planted on City lands shall be approved by the City Open Space Development & Park Planning Section and the Forestry Section. See <http://www.myhamilton.ca/myhamilton/cityandgovernment/citydepartments/publicworks/parks/forestry> for forestry information, policies and approved street tree species.

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#### **2.0 CITY OF HAMILTON BY-LAWS**

Comply with all City of Hamilton By-laws. Copies are available on the City of Hamilton website at [www.hamilton.ca](http://www.hamilton.ca). The following is a select listing and not intended to capture all applicable By-laws:

1. 05-200 Zoning By-Law, May 25, 2005
2. 01-264 Fencing Swimming Pools By-Law, May 28-03
3. 06-243 Sign By-Law, Aug 2006
4. 06-151 Tree By-Law, June 14, 2006

#### **3.0 OPEN SPACE DEVELOPMENT & PARK PLANNING DETAILS**

PK-400	Standard Park Signage
PK-401	Multi-purpose Court
PK-0110.01	Senior Soccer Field Layout and Surface Drainage
PK-0157.01	Sports Field Without Sub-drain
PK-0210.01	Play Area Drainage & Safety Surface
PK-0480.01	Swale
PK-0621.01	Play Area Rolled Asphalt Edge
PK-0700.04	Asphalt Walkway
PK-0710.09	Asphalt Paving – Parking Lot
PK-1010.03	Park Chain Link Fencing, Black Vinyl -1500mm High
PK-1100.01	Tree Hoarding – Streets
PK-1100.02	Tree Hoarding - Parks
PK-1105.03	Deciduous Tree Planting
PK-1110.02	Coniferous Tree Planting
PK-1432.02	Light Standard Footing for 4.57m (15') High Park Pole
PK-1500.01	Conduit in Trench
PK-1625.01	Concrete Bench

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#### **4.0 PUBLIC WORKS DEPARTMENT DETAILS**

The following are standard details included in *The City of Hamilton Construction and Material Specifications Manual* that are used in Park development projects.

RD-103	Combined Concrete Walk and Curb & Independent Concrete Walk
RD-108	Asphalt Driveway Approach
WM-209	Piping and Chamber for 16mm to 50mm dia. Meter Installation
SEW-302	Bedding Details for Private Drains
SEW-304	Goss Trap Details

#### **5.0 ONTARIO PROVINCIAL STANDARD DETAILS**

The following are standard details included in *the Ontario Provincial Standards* that are used in Park development projects.

OPSD – 400.020	Cast Iron Square Frame with Square Flat Grate for Catch Basins All CBs shall be supplied with a gross trap as per SEW-304
OPSD – 400.120	Cast Iron Square Frame with Bird Cage Grate
OPSD – 600.110	Concrete Barrier Curb
OPSD – 701.011	Precast Maintenance Hole – 1500mm diameter
OPSD – 1104.02	Water Service Connection Detail All 40 & 50mm water services shall be Type ‘K’ soft copper

#### **6.0 OPEN SPACE DEVELOPMENT & PARK PLANNING SPECIFICATIONS**

Section 02000	Earthwork
Section 02535	Play Surfacing & Subsurface Drainage
Section 02741	Hot Mix Asphaltic Concrete Paving
Section 02863	Play Structures & Recreation Equipment
Section 02870	Site Furnishings
Section 02870	Planting of Trees
Section 02933	Topsoil and Sodding
Section 13120	Prefabricated Park Shelter
Section 16050	Site Lighting and Electrical Works

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#### **7.0 PUBLIC WORKS DEPARTMENT SPECIFICATIONS**

The following are standard specifications included in *The City of Hamilton Construction and Material Specifications Manual* that are used in park development projects.

Form 600	Specification for Granular Fill Materials
Form 700	Specification for Portland Cement Concrete
Form 800	Specification for Hot-Mix Asphalt
Form 900	Specification for Standard Compaction Requirements

#### **8.0 SPECIAL PROVISIONS**

The Open Space Development & Park Planning Section recommend that contracts be prepared as Unit Price contract utilizing the form, items and unit measure as provided in the *Special Provisions* template.

#### **9.0 SCHEDULE OF QUANTITIES AND PRICES**

The Open Space Development & Park Planning Section recommend that contracts be prepared as Unit Price contract utilizing the form, items and unit measure as provided in the *Schedule of Quantities and Prices* template.

#### **10.0 DELIVERABLES**

The Developer shall submit the following to the City of Hamilton, Public Works Department, Capital Planning & Implementation Division, Open Space Development & Park Planning Section, 77 James St. N., Hamilton, ON L8R 2K3, tel: (905) 546-2424 ext. 3004.

1. 1 copy of the detailed concept plan showing the arrangement and spatial requirements of all proposed features for review and approval.
2. 1 set of progress drawings and tender documents at the 50% stage for review
3. 1 set of drawings and tender documents at the 100% stage for review

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#### **10.0 DELIVERABLES (cont'd.)**

4. 1 set of final drawings on 3 mil mylar complete with consultants' seal and signature
5. 1 copy of the completed bid forms from all bidders.
6. 1 set of final as-built drawings on 3 mil mylar
7. 1 CD with final CADD and contract document files of all drawings, specifications, shop drawings, product cut sheets, etc.