PA.2  DURATHERM

DURATHERM TO BE USED IN SPECIFIED PARKING AREAS - STANDARD COLOUR AND PATTERN ARE TO BE SELECTED; TO BE DETERMINED AFTER BRANDING STUDY

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.

DURATHERM® INLAID PREFORMED THERMOPLASTIC INSTALLED JUST BELOW ASPHALT SURFACE IN STAMPED CHANNEL.

TRAFFICSCAPES™ (FLINT TRADING, INC.)
PO BOX 160
THOMASVILLE, NC 27361-0160
PHONE: (336) 475-6600
FAX: (336) 475-7900
www.flintrading.com

DURATHERM® INLAID PREFORMED THERMOPLASTIC ASPHALT PAVEMENT MARKINGS SYSTEM

TRAFFICSCAPES™ DURATHERM® CROSS SECTION
PA.3 BIKE LANE

BICYCLE LANE CONFIGURATION

All bike lanes will run parallel to the sidewalk curbs.

A loading strip will be painted/marked between the parking area and bike lane.

The bike lane marking will be painted with white marking in accordance with the City of Toronto's bylaws which govern how bike lanes may be used by cyclists and motorists.

Bicycle lanes are marked with a solid white line, bicycle symbol, and white diamond marking. The white diamond marking is the marking for a “reserved lane” which means that legally only bicycles may travel in this lane. In this reserved lane motorists are not allowed to park, stand or drive.

Whenever a bike lane crosses a minor intersection StreetBond Xd will be applied to mark the crossing to motorists, pedestrians, and cyclists. The pattern and colour will be determined by the BIA.
PA.4 CONCRETE SIDEWALK

SLOPE PAVING SURFACE TO DRAIN AS SHOWN ON PLAN

CONCRETE PAVING TO BE 30 MPa COMpressive STRENGTH AT 28 DAYS WITH 5% TO 7% AIR ENTRAINMENT. REINFORCE WITH FIBRILATED POLY PROPYlene MD FIBRES.

COMPACTED GRANULAR ‘A’

COMPACT SUBGRADE TO 95% STANDARD PROCTOR DENSITY.

SECTION ON GRADE

NOTE: AT ALL DRIVEWAYS, SIDEWALK THICKNESS SHALL BE 180mm AND SLOPED TO ACCOMMODATE CURB CUTS. * IF CONCRETE IS TO BE USED AT MUNICIPAL WALKWAY INCREASE DEPTH TO 150mm.

NOTES:
1. CONCRETE TO BE 30MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 5% TO 7% AIR ENTRAINMENT.
2. BEDDING TO BE AS SPECIFIED.
3. CONTRACTION JOINTS AT 3.0M INTERVALS.
4. EXPANSION JOINTS AT 6.0M INTERVALS.
5. 10mm THICK EXPANSION JOINT MATERIAL BETWEEN CURB AND CONC. SIDEWALK.

SCORED CONCRETE PAVING DETAIL

nts
COLOURED CONCRETE

1. CONCRETE TO BE 30MPa COMpressive StRENGTH AT 28 DAYS WITH 5% TO 7% AIR ENTRAINMENT.
2. BEDDING TO BE AS SPECIFIED.
3. CONTRACTION JOINTS AT 3.0M INTERVALS.
4. EXPANSION JOINTS AT 6.0M INTERVALS.
5. 10mm THICK EXPANSION JOINT MATERIAL BETWEEN CURB AND CONC. SIDEWALK.

NOTE: AT ALL DRIVEWAYS, SIDEWALK THICKNESS SHALL BE 180mm AND SLOPED TO ACCOMMODATE CURB CUTS. * IF CONCRETE IS TO BE USED AT MUNICIPAL WALKWAY INCREASE DEPTH TO 150mm.
PA.6 ROLLED CURB

NOTES:
1. CONCRETE TO BE 30MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 5% TO 7% AIR ENTRAINMENT.
2. BEDDING TO BE AS SPECIFIED.
3. CONTRACTION JOINTS AT 3.0M INTERVALS.
4. EXPANSION JOINTS AT 6.0M INTERVALS.
5. REINFORCING OF CURB AS PER STRUCTURAL RECOMMENDATIONS.
6. 10mm THICK EXPANSION JOINT MATERIAL BETWEEN CURB AND CONC. SIDEWALK.

Provide Shop Drawing for Approval
F.1 SIGNAGE

Simple Route Marker
- Colour can be coordinated with BIA Brand
- Can be affixed to existing posts
- No text

Iconic Wayfinding
- Colour can be coordinated with BIA Brand or existing street signs
- Cyclist icon can orient in the direction of the water.
- Can be introduced to existing signs or mounted
- Can incorporate a light for enhanced wayfinding

Information Signage
- Can incorporate BIA Brand colours
- Can direct both pedestrian and bicycle traffic to and from the BIA district
- Can illustrate proximity of neighbouring BIA chapters

We recommend:

- Simple Route Markers
- Iconic Wayfinding
- Information Signage
F.1 SIGNAGE

LIGHT-BANNER AND STREET SIGN POLE DETAIL
Blocking the bicycle lane with your car endangers cyclists by forcing them to suddenly merge with motorized traffic.

BLOCKING THE BIKE LANE WITH YOUR CAR, EVEN FOR A MOMENT IS ILLEGAL:

TORONTO MUNICIPAL CODE CHAPTER 886 ARTICLE V

Bicycle Lanes
Chapter 886-8. Lanes designated for the use of bicycles only.

§ 886-10. Operation and stopping of vehicles restricted.
A. Subject to Municipal Code Chapter 886-11, no person shall operate a vehicle other than a bicycle in any bicycle lane except for the purpose of:

(1) Ingress to or egress from a private lane or driveway adjacent to the bicycle lane;
(2) Making a turn at a highway intersecting the bicycle lane;
(3) Entering or exiting a curb lane used for parking;
(4) Loading or unloading of a person with a disability, while actively engaged in doing so;
(5) Operating a school bus while actively engaged in picking up or dropping off school children; or
(6) Operating a taxicab while actively engaged in loading or unloading of passengers.

B. Despite § 886-10A, no person operating a vehicle in a bicycle lane for the purposes set out in § 886-10A shall operate a vehicle in the lane for a distance exceeding 45 metres.

C. Subject to § 886-10A(4), (5) and (6), no person shall stop a vehicle other than a bicycle in a bicycle lane.

The fine for stopping your vehicle in a bike lane is $60, and your vehicle may be towed

§ 886-11. Exemptions.
Section 886-10 does not apply to the following vehicles:
A. Ambulances, police or fire service vehicles or any other vehicle actively engaged in responding to an emergency; or
B. Vehicles actually and actively engaged in works undertaken for or on behalf of:

(1) The City, the Toronto Transit Commission or a public transit agency authorized to operate in the City; or
(2) A public utility, including utilities providing telecommunications, energy, water supply or wastewater related services.

PLEASE... DON'T BLOCK THE BIKE LANE
F.2 BIKE RING

PARK A BIKE, INC.
P: 800-481-8524
F: 800-481-8524

CORPORATE OFFICE
708 Alhambra Blvd.
Sacramento, CA 95816

This product will meet the market in 2015

*patent pending
NOTE: ALL PLANTERS ARE TO BE BLACK IN COLOUR

Wannsee
Available in 3 sizes:
33 x 33 x 29", 39 x 39 x 34",
44 x 44 x 39"

Turn the page for other great product selections
NOTE: ALL PLANTERS ARE TO BE BLACK IN COLOUR

Panama
36 x 12 x 18”

Authorized Distributor of the Jay Scotts Collection in Canada.
F.5 RAILING PLANTER

Dress up your home with these elegant window-boxes. With clean lines and raised panel detailing, they have the look of fine woodworking. But unlike wooden window-boxes these are virtually maintenance free because they’re made from high quality polyethylene — there’s no need for annual painting or staining. With the best UV protection in the industry, these window-boxes have a 15-year guarantee against fading. They’re self-watering, too. Just fill the reservoirs and the planters deliver water to plants as they need it, for healthy, lush flowers and foliage. High quality, UV-protected polyethylene. Includes wall brackets and hardware.

NOTE: ALL PLANTERS ARE TO BE BLACK IN COLOUR

UV-protected polyethylene
• Wall brackets and hardware are included
• 11” W x 48” L x 10-1/2” H
• Holds 48 quarts of container mix
F.6 S-BENCH

EP 1967

Curved bench, 1584mm long, factory assembled.

Aluminum frame with a polyester powder coat finish, standard colors: black:
(meteor grey-as shown)

Wood covering available in Ipe, Jatoba, White Oak or Select Douglas Fir.

Lead time is 8-10 weeks.

Additional colors from RAL color chart available, add $350.00 per order (not per piece).

NOTE: ALL METAL COMPONENTS ARE TO BE BLACK IN COLOUR
F.6  S-BENCH

EP 1967  
Curved Bench

SPECIFICATIONS

Support: 10mm curved aluminum plates and 6mm laser cut aluminum plates

Finish: Painted with polyester powder coat, choice of 3 standard colors: semi-gloss black, meteor grey or metallic silver

Slats (11): 51mm x 152mm nominal wood pieces; machined, lamello jointed and glued

Fasteners: Stainless steel

AVAILABLE COVERINGS

IPE  Ipe with a preservative oil finish
JAT  Jatoba with a preservative oil finish
WOA  Select White Oak with a clear stain finish
DFP  Select Douglas Fir with a clear stain finish

INCLUDING

Assembly Factory assembled

Height: 500mm  Depth:611mm  Length: 1584mm  Weight: 65kg

NOTE: ALL METAL COMPONENTS ARE TO BE BLACK IN COLOUR
F.7  ASTRAL MEDIA + CITY OF TORONTO STREET FURNITURE

ASTRAL MEDIA + CITY OF TORONTO CONSOLIDATED STREET FURNITURE PROGRAM  1-866-827-8725

BENCH

NOTE: ALL METAL COMPONENTS ARE TO BE BLACK IN COLOUR
F.7  ASTRAL MEDIA + CITY OF TORONTO STREET FURNITURE

ASTRAL MEDIA + CITY OF TORONTO CONSOLIDATED STREET FURNITURE PROGRAM 1-866-827-8725

TRASH RECEPTACLE

NOTE: ALL ASTRAL MEDIA FURNITURE TO BE BLACK IN COLOUR
F.7  ASTRAL MEDIA + CITY OF TORONTO STREET FURNITURE

ASTRAL MEDIA + CITY OF TORONTO CONSOLIDATED STREET FURNITURE PROGRAM  1-866-827-8725

MEDIA CONSOLIDATION BOX

NOTE:
ALL METAL COMPONENTS ARE TO BE BLACK IN COLOUR
SIZE AND FOOTING TYPE TO BE DETERMINED BY THE ETOBICOKE LAKESHORE BIA
NOTE: ALL ASTRAL MEDIA FURNITURE TO BE BLACK IN COLOUR
F.8 TREE GRATE

NOTE: TREE GRATE TO BE ALUMINIUM
COLOUR TO BE BLACK

8X hole for
bolt-down screws

NOTE: TREE GRATE TO BE ALUMINIUM
COLOUR TO BE BLACK

12” ø w/
break-outs
to 20” ø

NOTES:
1. Material: cast iron
2. Natural finish
3. 4 pieces, total thickness: 1”
4. Fits: Iron Age
4’ sq. tree grate frame
5. No openings > 1/2”
6. Free Drain Area = 25%
7. Due to casting inconsistancies,
all dimensions are nominal.

drawn by: CD
scale: NTS
date: 04/15/07

Oblio tree grate 4’ sq.
drawing no. 0BL.148x48

2104 SW 152nd st #4
TEL 206.276.0925
Burien, WA 98166
FAX 206.257.0318
www.IronAgeGrates.com

patent pending © 2006–07 Iron Age Designs
F.8  TREE GRATE

Installation of the Iron Age Type "E" Tree Grate Frame

Installation of the Iron Age type "E" Embed tree grate frame.
1. Excavate tree pit to approximate depth of concrete
2. Use interior frame dimensions as guide for form work dimension.
3. Build wooden form for concrete, provide for "H" support at saddle.
4. Support frame (and form) w/ top of frame at height of surrounding concrete surface, using curb stakes – 18” O.C. max.

NOTE: Spreaders or adequate staking will be necessary to prevent the frame from deforming during concrete placement. The actual grates or plywood templates can be used to prevent frame deflection. If using the grates, take care to protect during concrete placement.

5. IMPORTANT: in all situations, be sure to use the bolt-down screws provided to protect the receiving threads from fouling. Bolting down the grates or templates will help hold the frame rigid during concrete placement.
6. Allow concrete to cure before removing forms or preparing tree pit for planting
NOTES:

1. Material: mild steel
2. Natural finish
3. Fits 4'x4', 4 piece tree grate manufactured by: Iron Age™
4. All welds to be kept outside of tree grate bearing surfaces, welds on bearing surfaces to be ground smooth.
**F.8 TREE GRATE**

**Frame Types**

- **perimeter frame**
  - #3 rebar

- **new concrete slab**

- **"E" EMBED**
  - used with new surround slabs

- **"R" RETRO TAB**
  - used with existing surround slabs

- **"IR" INVERTED RETRO TAB**
  - used with existing surround slabs

- **perimeter frame**
  - #3 rebar

- **3/16" thick f.b. cont. stand-off**

- **"SOE" STAND-OFF EMBED**
  - used with pavers, sand setting bed

- **"SOR" STAND-OFF RETRO TAB**
  - used with pavers, grout setting bed

- **"SOC" STAND-OFF RETRO CONTINUOUS**
  - used with pavers, continuous skirt
PL.1 PLANTING

Few opportunities existing within the Mimica Village BIA in which to augment the tree plantings. 1100mm width of space is available in specific locations adjacent to either the curb or top walkway.

3.1 Where space allows

3.2 Refer to the City of Toronto’s Tree Planting Detail

3.3 Refer to the City of Toronto’s recommended tree species list
PL.1 PLANTING

- Cut, loosen and roll back approx. 1/2 of twine, burlap and wire on rootball.
- All twine and burlap must be bio-degradable.
- Backfill in 150 mm lifts and tamp to prevent air pockets.
- Add sandy loam soil if additional backfill is required. Soil to consist of:
  - 50-60% sand
  - 20-40% silt
  - 6-10% clay
  - 2-5% organic
  - 7.5 pH or less
- Carefully remove any loose soil around trunk. Top of rootball should not be disturbed or covered with soil.
- Soak backfilled area to ensure full contact between rootball and backfill.

+1.0 m
Plastic tree protector

- Prune to remove damaged branches. Do not remove leader.
- Remove wrap from trunk and inspect for damage.
- Stakes not to be installed on Ball and Burlapped trees.
- Tree shall be set at same relation to grade as it bore to its previously existing grade. Plant tree 50 - 100 mm above desired grade to allow for some settling.
- Form a soil saucer 125 mm in depth and fill with water. Soon after water has been absorbed, cover with approx. 100 mm of woodchip mulch tapered to ground level at the trunk.
- Loosen surface soil of planting hole.
- Place rootball on undisturbed soil.

Planting Detail for Ball and Burlapped Trees in Turf

Toronto Parks and Recreation Division
Urban Forestry Services
June 2002 Detail PD -101
PL.1  PLANTING

**TREES**

High-branching, disease-resistant, drought and salt-tolerant, healthy deciduous varieties should be planted in the road right-of-way and in continuous tree pits as per City of Toronto Engineering and Urban Forestry standards.

**Deciduous Tree List**

Size: 70mm cal. minimum

<table>
<thead>
<tr>
<th>Tree Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer X Freemanii</td>
<td>Freeman Maple</td>
</tr>
<tr>
<td>Acer Rubrum</td>
<td>Red Maple</td>
</tr>
<tr>
<td>Fagus Sylvatica ‘Fastigiata’</td>
<td>Pyramidal Beech</td>
</tr>
<tr>
<td>Fagus Sylvatica ‘Purpurea’</td>
<td>Purple European Beech</td>
</tr>
<tr>
<td>Ginkgo Biloba</td>
<td>Maidenhair Tree</td>
</tr>
<tr>
<td>Ginkgo Biloba ‘Maggar’</td>
<td>Maggar Maidenhair Tree</td>
</tr>
<tr>
<td>Ginkgo Biloba ‘Princeton Sentry’</td>
<td>Princeton Sentry Maidenhair Tree</td>
</tr>
<tr>
<td>Gleditsia Triacanthos</td>
<td>Thornless Honey-Locust</td>
</tr>
<tr>
<td>Gleditsia Triacanthos ‘Skyline’</td>
<td>Skyline Honey-Locust</td>
</tr>
<tr>
<td>Gleditsia Triacanthos ‘Shademaster’</td>
<td>Shademaster Honey-Locust</td>
</tr>
<tr>
<td>Gymnocladus Dioica</td>
<td>Kentucky Coffee Tree</td>
</tr>
<tr>
<td>Liriodendron Tulipifera</td>
<td>Tulip Tree</td>
</tr>
<tr>
<td>Magnolia Acuminata</td>
<td>Cucumber Tree</td>
</tr>
<tr>
<td>Phellodendron Amurense</td>
<td>Amur Cork Tree</td>
</tr>
<tr>
<td>Platanus X Acerifolia</td>
<td>London Plane Tree</td>
</tr>
<tr>
<td>Pyrus Calleryana ‘Bradford’</td>
<td>Bradford Pear</td>
</tr>
<tr>
<td>Pyrus Calleryana ‘Chantecleer’</td>
<td>Chantecleer Pear</td>
</tr>
<tr>
<td>Pyrus Calleryana ‘Redspire’</td>
<td>Redspire Pear</td>
</tr>
<tr>
<td>Quercus Alba</td>
<td>White Oak</td>
</tr>
<tr>
<td>Quercus Macrocarpa</td>
<td>Bur Oak</td>
</tr>
<tr>
<td>Quercus Palustris</td>
<td>Pin Oak</td>
</tr>
<tr>
<td>Quercus Rubra</td>
<td>Red Oak</td>
</tr>
<tr>
<td>Quercus Robur ‘Fastigiata’</td>
<td>Pyramidal English Oak</td>
</tr>
<tr>
<td>Sassafras Albidum</td>
<td>Sassafras</td>
</tr>
<tr>
<td>Tilia Americana</td>
<td>Basswood</td>
</tr>
<tr>
<td>Tilia Americana ‘Redmond’</td>
<td>Redmond Linden</td>
</tr>
<tr>
<td>Tilia Cordata</td>
<td>Littleleaf Linden</td>
</tr>
<tr>
<td>Tilia Cordata ‘Greenspire’</td>
<td>Greenspire Linden</td>
</tr>
<tr>
<td>Tilia Cordata ‘Green Globe’</td>
<td>Greenspire Linden</td>
</tr>
<tr>
<td>Tilia Cordata ‘Glenleven’</td>
<td>Glenlevel Linden</td>
</tr>
<tr>
<td>Tilia Falvescens ‘Dropmore’</td>
<td>Dropmore Linden</td>
</tr>
<tr>
<td>Tilia Falvescens ‘Glenleven’</td>
<td>Glenleven Linden</td>
</tr>
</tbody>
</table>