

RIVERVIEW/EVERGREEN DYKE

Dyke Inspection Sheet

Dyke: Riverview/Evergreen Dyke
Weather: Sunny, 25 °C
Immediate Action Required •

Report No.: 1 of 1

Date: August 17, 2004
Inspected By: N.Oliveira
Further Investigative Work •

General Information	
<u>Section Inspected:</u> Complete <input checked="" type="checkbox"/> Section <input type="checkbox"/> Specify: _____ to _____ m	Overall Condition Rating: 3 (this section only) Comments: Condition rating relates to difficulty in assessing dyke due to dense vegetation present and steep slopes.
<u>Adjacent Property Use:</u> Residential <input checked="" type="checkbox"/> Parkland <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/>	Comments: Adjacent residential properties from St. 0+000 to ~0+225, becoming predominantly heavily wooded land to St. 0+300. Residential properties again border the dyke from St. 0+300 to 0+400 with the CN railway tracks beyond (end of dyke).
Dyke Facing	
<u>Dyke Face Material:</u> Concrete <input type="checkbox"/> Gabion <input type="checkbox"/> Earthfill <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> Specify: Trees, bushes, shrubs, wild grass (photo 8608) and cobbles Condition Rating: 3 Comments: Dyke face consists primarily of dense vegetation (trees, bushes, shrubs, wild grass) to St. 0+360. Wild grass primarily located along dyke face from St. 0+360 to 0+424. Average rating reflects the inability to assess the dyke face from St. 0+000 to 0+225 due to steep slopes encountered.	<u>Structural Condition (Dyke Face):</u> Erosion <input type="checkbox"/> Damage (impact, cracks, etc) <input type="checkbox"/> Movement (including unevenness, slipping, bulging or slumping) <input checked="" type="checkbox"/> Specify type: _____ Condition Rating: 3 Comments: Steep slopes and toppled vegetation noted.
<u>Toe:</u> Toe Protection Material (concrete, gabion, earth or other) Specify: Primarily earth (soil) with overlying dense vegetation. Wild grass from St. 0+360 to 0+424. Erosion Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Condition Rating: 3 Comments: Average rating reflects inability to properly assess majority of toe due to steep slope conditions encountered.	<u>Joints:</u> (not applicable to earthfill dykes) Sealant Present Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, condition rating: Vegetation (in joints) Yes <input type="checkbox"/> No <input type="checkbox"/> Comments: Not applicable.
<u>Vegetation:</u> None <input type="checkbox"/> Full <input checked="" type="checkbox"/> Partial <input type="checkbox"/> Type: Primarily trees with shrubs, bushes, wild grass, etc. Comments: Vegetation generally well established along side slopes of dyke (photo 8614), however some loss has occurred likely due to the steep slope conditions encountered in several areas.	<u>Water Infiltration:</u> (look for where water can leak behind structure) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, due to: Joints <input type="checkbox"/> Cracks <input type="checkbox"/> Liner <input type="checkbox"/> Other (specify) _____ Comments:
<u>Additional Information:</u> Access Available Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Estimated Water Depth: 0.4 to 0.5m from edge (estimated). Comments: Access generally unavailable over the majority of the length of the dyke.	
Top of Dyke	
<u>Dyke Top Material:</u> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Earth <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other <input type="checkbox"/> Specify: _____ Condition Rating: 3 Comments: Average rating relates to inability to assess top of dyke from St. 0+000 to 0+225. Traveled narrow earth pathway from St. 0+225 to 0+360, becoming asphalt pathway until end of dyke (photo 8608).	<u>Structural Condition (Top of Dyke):</u> Erosion (behind wall, etc.) <input type="checkbox"/> Damage (vandalism, etc) <input type="checkbox"/> Movement (including unevenness, heaving or settlement) <input type="checkbox"/> Specify type: _____ Condition Rating: 4 Comments: No noticeable signs of erosion, however top of dyke not accessible from St. 0+000 to 0+225.
<u>Pedestrian Access:</u> Sidewalk <input type="checkbox"/> Pathway <input checked="" type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Specify: _____ If present, width of access way: Condition Rating (if present): 4 Comments: Narrow earth pathway from St. 0+225 to 0+360. Asphalt pathway present from St. 0+360 to 0+424.	<u>Protective Barrier:</u> Fence <input type="checkbox"/> Guard Rail <input type="checkbox"/> None <input checked="" type="checkbox"/> Other <input type="checkbox"/> Specify: _____ Condition Rating (if present): Comments: No protective barrier present.

Top of Dyke - Continued	
<p><u>Joints</u> : (not applicable to earthfill dykes) Sealant Present Yes • No • If yes, condition rating: Vegetation (in joints) Yes • No • Comments: Not applicable.</p>	<p><u>Drainage Conditions:</u> (ponding or low areas present) Good ✓ Poor • Comments: No ponding of water observed along top of dyke, although various low lying areas were noted.</p>
<p><u>Illumination:</u> (check for lighting present along the top of the dyke) Yes ✓ No ✓ Condition Rating: 4 Comments: No apparent lighting present along top of dyke from St. 0+000 to 0+225. Light standards present adjacent to asphalt pathway from St. 0+360 to 0+424 (photo 8607).</p>	<p><u>Vegetation:</u> None • Full ✓ Partial • Type: Wild grass, bushes, etc. Comments: Vegetation bordering traveled pathway from St. 0+225 to 0+360.</p>
<p><u>Additional Information:</u> Comments: Steep slope conditions prohibited access to dyke face and toe from St. 0+000 to 0+225.</p>	
Area behind the Dyke (immediately adjacent)	
<p><u>Predominant Material:</u> Concrete • Asphalt • Earth ✓ Grass ✓ Other ✓ Specify: Rough vegetation Condition Rating: 4 Comments: A mix of rough vegetation and grass appears to border the dyke from St. 0+000 to 0+225 (based upon observations made from other side of river). Primarily rough vegetation and wild grass borders the dyke from St. 0+225 to 0+424 with manicured grass generally beyond belonging to neighboring residential properties.</p>	<p><u>Drainage Conditions:</u> (ponding or low areas present) Good ✓ Poor • Comments: Although ponded water was not observed during the site visit (dry conditions), low lying areas were noted behind the dyke, in several areas. Are catchbasins present? Yes • No ✓ If yes, condition rating: Comments:</p>
<p><u>Vegetation:</u> None • Full ✓ Partial • Type: Comments: See above.</p>	<p><u>Accessibility:</u> (check for access areas behind the dyke only) Sidewalks • Pathways • Roads • None ✓ Condition Rating (if present): 4 Comments: No constructed access paths are available. Limited access to back of dyke from St. 0+225 to 0+350 through dense vegetation. Area behind the dyke generally accessed through wild grass from St. 0+375 to 0+424.</p>
<p><u>Protective Barrier:</u> Fence ✓ Guard • None ✓ Rail Other • Specify: If fence, list type and ownership (i.e. private or city): Privacy fencing from St. 0+000 to 0+225. No protective barrier present elsewhere. Condition Rating (if present): 3 Comments: Average rating reflects inability to access area near privacy fencing for review.</p>	<p><u>Illumination:</u> (check for lighting present behind the dyke) Yes • No ✓ Condition Rating: Comments:</p>
Storm Sewers/Sanitary Sewers/Outlet Structures	
<p>Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: No storm/sanitary sewers or outlet structures observed during the site visit. Reported sanitary manhole near St. 0+210 (as per City of London drawings provided) not observed at the time of the site visit. Condition Rating: Comments:</p>	<p><u>Outlet:</u> (check for presence of gates or grates at the outlet) Flap Gate Yes • No • Safety Gate Yes • No • Condition Rating: Comments:</p>
<p><u>Outlet Flow:</u> (check for condition of channel downstream from pipe, obstructions within pipe, etc.) Obstructions Yes • No • Downstream Erosion Yes • No • Comments:</p>	<p>General Comments:</p>

RATING SYSTEM

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| <p>1 <i>Unsafe Condition</i></p> <p>2 <i>Poor Condition</i></p> <p>3 <i>Fair/Poor Condition</i></p> <p>4 <i>Fair Condition</i></p> <p>5 <i>Good Condition</i></p> | <p>Structure (or element) in very poor or unsafe condition which may pose public safety hazard.</p> <p>Structure (or element) in poor condition with significant deterioration noted. Deteriorations noted may impact on integrity and may require significant capital cost to bring to fair to poor condition rating. No safety hazard noted.</p> <p>Structure (or element) condition varies from fair to poor with some signs of significant deterioration in localized areas. Able to perform function, but at reduced capacity.</p> <p>Structure (or element) in fair condition with no visible signs of significant deterioration. Able to perform intended function with no apparent hindrance.</p> <p>Structure (or element) in good condition with minor deterioration. Able to perform intended function with no apparent hindrance.</p> |
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