



**Dyke Inspection Sheet** Dyke: Ada/Jacqueline Dyke Weather: Sunny, 27 °C Immediate Action Required •

Report No.: 1 of 2
Date: June 21, 2004

Inspected By: N.Oliveira, S.Jeater Further Investigative Work •

General Information	
Section Inspected:	Overall Condition Rating: 3 (this section only)
Complete •	Comments: Fair/poor condition rating reflects both the condition of
Section ✓ Specify: 0+000 to 0+350 m	the vegetation, minor instability of rip-rap material along dyke face and plugging of the storm outlet structure.
Adjacent Property Use:	Comments: Adjacent residential properties from 0+000 to 0+230.
Residential ✓ Parkland ✓	Primarily parkland from 0+230 to 0+350 with residential homes
Commercial • Industrial •	beyond.
Dyke Facing	
Dyke Face Material:	Structural Condition (Dyke Face):
Concrete	Erosion • Damage (impact, cracks, etc) •
Gabion •	Movement (including ✓ Specify type: Fallen trees
	unevenness, slipping, along dyke face. bulging or slumping)
Earthfill ✓	Condition Rating: 3
Other ✓ Specify: Rip-Rap	Comments: No noticeable signs of erosion, however minor signs of
Condition Rating: 3	rip-rap movement observed in selected areas from 0+000 to 0+160.
<b>Comments:</b> Dyke face consists of large rip-rap intermixed with sparse to heavy vegetation (photo 7586) up to St. 0+160. From	Signs of toppled vegetation (primarily trees) along steep slopes from 0+160 to ~0+325, however relatively heavy adjacent vegetation
St. 0+160 to ~0+330, dyke face consists primarily of earth with	appears to protect against slope instability.
heavy vegetation. A mix of vegetation with rip-rap is present	Recommendation: Monitor for both excessive vegetation growth
from ~0+330 to 0+350.	and potential for failure along steep side slopes.
<u>Toe</u> :	Joints : (not applicable to earthfill dykes)
Toe Protection Material (concrete, gabion, earth or other)  Specify: Earth (soil) and rip-rap from 0+000 to 0+160. Toe	Sealant Present Yes • No •
consists of earth (soil) with rough vegetation from 0+160 to	
0+350.	
Erosion Yes • No ✓	If yes, condition rating:
Condition Rating: 4	Vegetation (in joints) Yes • No •
Comments: No signs of erosion noted.	Comments: Not applicable.
Vegetation:	Water Infiltration: (look for where water can leak behind structure)
None • Full ✓ Partial •	Yes • No ✓
Type: Primarily trees with shrubs, bushes, wild grass, etc.	If yes, due to:
<b>Comments:</b> Vegetation well established along side slopes of dyke. Some large trees/branches have broken and fallen along	Joints • Cracks •   Liner • Other (specify) •
steeper slopes (~St. 0+160 to 0+325, see photo 7573).	Comments:
Additional Information:	
Access Available Yes • No ✓	Estimated Water Depth: Variable ~ 20 to 30cm at edge.
<b>Comments:</b> Although access along the dyke face from St. 0+000 slopes consisting of rough vegetation and loose rin-rap. Access al	ong the dyke face from St. 0+160 to 0+350 is limited due to the rough
vegetation present.	ong the taylor labe from et. ex ree to exceed to infinited due to the rough
Top of Dyke	
Dyke Top Material:	Structural Condition (Top of Dyke):
Concrete • Asphalt •	Erosion (behind wall, etc.) • Damage (vandalism, etc) •
Earth ✓ Rip Rap •	Movement (including • Specify type:
	unevenness, heaving or settlement)
Other • Specify:	
Condition Rating: 3	Condition Rating: 4
Comments: Well vegetated (trees and bush). Some toppling of	Comments: No noticeable signs of erosion.
trees and branches generally from 0+160 to 0+325 which has blocked the traveled pathway in several areas.	
Pedestrian Access:	Protective Barrier:
Sidewalk • Pathway ✓ None ✓	Fence • Guard Rail • None ✓
Other • Specify:	Other • Specify:
If present, width of access way:	Condition Rating (if present):
Condition Rating (if present): 2 Comments: Traveled pathway from St. 0+000 to ~0+160 via dirt	Comments:
path adjacent to vegetation line (photo 7578). Similar dirt	
pathway available from St. 0+160 to 0+350, however pathway	
intermittent in areas and generally blocked by fallen or overgrown	
vegetation.	

Top of Dyke - Continued	
Joints : (not applicable to earthfill dykes)	Drainage Conditions: (ponding or low areas present)
Sealant Present Yes • No •	Good ✓ Poor •
If yes, condition rating:	<b>Comments:</b> Drainage from top of dyke generally down either dyke
Vegetation (in joints) Yes • No •	face or to nearby adjacent properties (generally low lying). From St. 0+000 to ~0+125, drainage directed to roadway and catchbasins.
Comments: Not applicable.	0+000 to ~0+125, drainage directed to roadway and catchbasins.
Illumination: (check for lighting present along the top of the dyke)	Vegetation:
Yes • No ✓	None • Full ✓ Partial •
Condition Rating:	Type: Trees, shrubs, bush, manicured and wild grass.
Comments:	Comments: Vegetation generally not maintained along the top of
	dyke over the section reviewed. Wild grass typical along the majority of the top with exception of a few manicured areas adjacent to
	residential homes from St. 0+160 to 0+325 (likely maintained by home
	owner).
Additional Information:	
	, primarily from 0+160 to 0+325 due to dense vegetation and lack of
proper access points.  Area behind the Dyke (immediately adjacent)	
Area behind the Dyke (immediately adjacent)	Dusting any Conditionary (conditionary)
Predominant Material:	<u>Drainage Conditions</u> : (ponding or low areas present)  Good ✓ Poor
Concrete • Asphalt ✓ Earth • Grass ✓	Good ✓ Poor •  Comments: Drainage generally towards catchbasins located along
Other • Specify:	Jacqueline Street for St. 0+000 to 0+125. Low lying areas located
	behind the dyke from 0+125 to 0+325, between the dyke and nearby
Condition Rating: 3	residential properties.  Are catchbasins present? Yes ✓ No •
Comments: Predominantly wild grass from 0+000 to 0+125 with	If yes, condition rating: 3
adjacent asphalt (Jacqueline St.). Moderate to dense vegetation	Comments: Low rating relates to condition of storm outlet (refer to
from 0+125 to 0+325 with areas of well manicured grass and	storm sewer/outlet structure section).
vegetation maintained by adjacent home owners.	Accordibility: (about far accord areas babind the duke anti-)
<u>Vegetation</u> :  None • Full ✓ Partial •	Accessibility: (check for access areas behind the dyke only)  Sidewalks • Pathways ✓ Roads ✓ None •
Type:	Condition Rating (if present): 3
Comments: See above.	Comments: As previously mentioned, Jacqueline Street borders the
	area behind the dyke from St. 0+000 to 0+125. Limited accessibility
	from 0+125 to 0+325 due to vegetation growth. A small parkland area with asphalt pathways is located behind the dyke from ~0+325 to
	0+350.
<u>Protective Barrier</u> :	Illumination: (check for lighting present behind the dyke)
Fence • Guard ✓ None ✓	Yes ✓ (partial) No •
Rail (partial) Other • Specify:	
If fence, list type and ownership (i.e. private or city): An	Condition Rating: 4
aluminum railing present from ~0+325 to 0+350 is owned by the	Comments: Limited lighting, primarily near St. 0+330 only.
City. No railing is present from St. 0+000 to ~0+325.	
Condition Rating (if present): 4 Comments: Minor bends noted along the barrier, primarily on	
the top rail.	
Storm Sewers/Sanitary Sewers/Outlet Structures	
Yes ✓ No • (if no, proceed to next section)	Outlet: (check for presence of gates or grates at the outlet)
If yes, type of structure (i.e. outlet, headwall, drainage pipe,	Flap Gate Yes • No •
channel or flush): Specify: Concrete headwall with 675mm storm outlet and steel grate at ~St. 0+125 (photo 7590) and	Safety Grate Yes ✓ No •
manhole structure along top of dyke (photo 7577).	
Comments: Outlet appeared to be completely plugged with	Comments: Safety grate blocking the debrie from entering river
<b>Comments:</b> Outlet appeared to be completely plugged with vegetation, debris, etc.	<b>Comments:</b> Safety grate blocking the debris from entering river (photo 7590).
Outlet Flow: (check for condition of channel downstream from pipe,	General Comments: Rip-rap located along outlet discharge (photo
obstructions within pipe, etc.)	7590).
Obstructions Yes • No ✓ Downstream Erosion Yes ✓ No •	
Comments: Minor erosion noted near floodgate and below	
discharge of PVC storm outlet.	
1 Unsafe Condition Structure (or element) in very poor or unsafe con	FING SYSTEM dition which may pose public safety hazard.
2 Poor Condition Structure (or element) in poor condition with sign	ificant deterioration noted. Deteriorations noted may impact on integrity and may
require significant capital cost to bring to fair to p  3 Fair/Poor Condition Structure (or element) condition varies from fair t	oor condition rating. No safety hazard noted. o poor with some signs of significant deterioration in localized areas. Able to perform
function, but at reduced capacity.	
4 Fair Condition Structure (or element) in fair condition with no vis	sible signs of significant deterioration. Able to perform intended function with no

Fair Condition Structure (or element) in fair condition with no visible signs of significant deterioration. Able to perform intended function with no 4 apparent hindrance.

5 **Good Condition** Structure (or element) in good condition with minor deterioration. Able to perform intended function with no apparent hindrance.



**Dyke Inspection Sheet** Dyke: Ada/Jacqueline Dyke Weather: Sunny, 27 °C Immediate Action Required •

Report No.: 2 of 2

Date: June 21, 2004 Inspected By: N.Oliveira, S.Jeater Further Investigative Work •

General Information	
Section Inspected:	Overall Condition Rating: 4 (this section only)
Complete •	<b>Comments:</b> Condition rating assumed proper functioning of the flap
Section ✓ Specify: <u>0+350</u> to <u>0+525</u> m	gate which could not be confirmed at the time of the visual assessment.
Adjacent Property Use:	Comments: Adjacent parkland from 0+375 to 0+475. Pumping
Residential • Parkland ✓	station and parkland adjacent to dyke from 0+475 to 0+525. The
Commercial • Industrial ✓	Adelaide Street bridge borders the dyke from 0+350 to ~0+375.
Dyke Facing	
Dyke Face Material:	Structural Condition (Dyke Face):
Concrete •	Erosion • Damage (impact, cracks, etc) •
Gabion •	Movement (including • Specify type:
	unevenness, slipping,
Earthfill ✓	bulging or slumping)  Condition Rating: 4
Other ✓ Specify: Rip-rap / concrete rubble	Comments: No noticeable signs of erosion.
Condition Rating: 4	Community its noticeable digital of discioli.
<b>Comments:</b> Dyke face consists of large rip-rap intermixed with	
sparse vegetation from St. 0+350 to ~0+400 (photo 7555) with	
concrete rubble noted adjacent to headwall structure. From St.	
0+400 to 0+450, dyke face consists primarily of earth with heavy	
vegetation. The dyke face consists of manicured grass from	
~0+450 to 0+525.	lointo: (not analicable to anothfill dules-)
<u>Toe</u> : Toe Protection Material (concrete, gabion, earth or other)	<u>Joints</u> : (not applicable to earthfill dykes)   Sealant Present
Specify: Earth (soil) and rip-rap from 0+350 to 0+400. Toe	Sediant Flesent Tes 1 No 1
consists of earth (soil) with dense vegetation from 0+400 to	
0+450 (photo 7552). Earth with manicured grass characterizes	
the toe along St. 0+450 to 0+525 (photo 7540).	
Erosion Yes • No ✓	If yes, condition rating:
Condition Rating: 4	Vegetation (in joints) Yes • No •
Comments: No signs of erosion noted.	Comments: Not applicable.
Vegetation:	Water Infiltration: (look for where water can leak behind structure)
None • Full • Partial ✓	Yes • No ✓
Type: Primarily trees with shrubs, bushes, wild grass, etc.	If yes, due to:
<b>Comments:</b> Vegetation well established along side slopes of	Joints • Cracks •
dyke from St. 0+375 to 0+400. Predominantly rip-rap with little	Liner • Other (specify) •
vegetation from 0+350 to 0+375. Manicured grass along dyke face from 0+400 to 0+525.	Comments:
Additional Information: Access Available Yes ✓ No •	Estimated Water Depth: Variable ~ 20 to 30cm at edge.
	rareas near ~ St. 0+425 are difficult to access due to dense vegetation.
Top of Dyke	and the state of t
Dyke Top Material:	Structural Condition (Top of Dyke):
Concrete • Asphalt ✓	Erosion (behind wall, etc.) • Damage (vandalism, etc) •
Earth ✓ Rip Rap •	Movement (including • Specify type:
	unevenness, heaving or
0" "	settlement)
Other • Specify:	Condition Pating: 4
Condition Rating: 4 Comments: Asphalt pathway along top of dyke (approximately)	Condition Rating: 4 Comments: No noticeable signs of erosion.
from St. 0+350 to 0+400 (photo 7554). Well vegetated (trees	Comments. No noticeable signs of crosion.
and bush) from 0+400 to ~0+450. Manicured grass from 0+450	
to 0+525 (photo 7540).	
Pedestrian Access:	Protective Barrier:
Sidewalk • Pathway ✓ None ✓	Fence • Guard Rail ✓ None ✓
0	(partial) (partial)
Other • Specify:	Other • Specify:
If present, width of access way:  Condition Rating (if present): 4 (for constructed pathway)	Condition Rating (if present): 4 Comments: Aluminum railing present from St. 0+350 to ~0+390.
Comments: Asphalt pathway along top of dyke from St. 0+350	Top rails along several areas observed to be bent, however barrier
to 0+400. Limited access from 0+400 to 0+450 due to dense	typically sound. Aluminum railing present along headwall structure for
vegetation (no formal path constructed). Although no	storm outlet (St. 0+400, see photo 7546) in good condition. No railing
constructed pathway exists from 0+450 to 0+525, the top of dyke	or protective barrier elsewhere along the section reported.
(open grass) is easily accessible.	

Judins: not applicable to earthill dykes) Sealant Present I Yes - No	Ton of Bodes - Continued	
Sealant Present   Yes   No   Cood   Poor   Comments: No ponding of water observed along top of dyke. Defining of water observed along top of dyke. Drainage typically towards dyke face or adjacent land (St. 04-10 to 0-1526 also ortains back to the adjacent partial and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 17-527. See photo 17-527 also ortains back to the adjacent partial and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 17-528 also ortains back to the adjacent partial and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 17-528 also ortains back to the adjacent partial and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 17-528 also ortains back to the adjacent partial and pumping station and gravel parking to the second partial 17-102. The seed of the partial 17-102 area and to adjacent storm drainage ditches. See photo 17-528 also ortains back to the adjacent partial ortains. Yes partial 17-102. The seed of the partial 17-102 area and to adjacent storm drainage proper to the seed to the partial 17-102. The seed of the partial 17-102 area and to adjacent storm drainage proper to the seed to the partial 17-102. The seed of the partial 17-102 area and to adjacent storm drainage proper to the seed to the partial 17-102. The partial 17-102 area and to adjacent storm drainage partial 17-102. The partial 17-102 area and to adjacent storm drainage partial 17-102. The partial 17-102 area and to adjacent storm drainage partial 17-102. The partial 17-102 area and to adjacent storm drainage partial 17-102. The partial 17-102 area and the concrete the back of the dyke over this section is still considered accessable primarily for inspection proposes.  Protective Barrier:  Protective	Top of Dyke - Continued	
## Vegetation (in joints) * Ves * No * Onements: No ponding of water observed along top of dyke. Onements: Not applicable.  ## Comments: Not applicable.  ## Drainage typically lowards dyke face or adjacent (\$1.0 + 0.4 to 0.0 +0.5 to 3.6 slas of drains back to the adjacent parkland and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 7542).  ## Wegetation: Continuation: Continuation: Continuation: Comments: With exception of dense vegetation encountered near St. 0+400 to 0+450, top of dyke was generally accessible.  ### Additional Information: Comments: With exception of dense vegetation encountered near St. 0+400 to 0+450, top of dyke was generally accessible.  ### Asphali		
Drainage typically towards dyke face or adjacent land (St. 0+410 to 0+252 also drains back to the adjacent parkand upming station on drawel parking area and to adjacent storm drainage ditches. See photo 7542)		
O+525 also drains back to the adjacent parkland and pumping station and gravel parking area and to adjacent storm drainage ditches. See photo 7542).	• •	Drainage typically towards dyke face or adjacent land (St. 0±410 to
See above.   Specify:   Specify:   Partial ones of the dyke on the dyke one of the dyke one		
Internation:   Check for lighting present along the top of the dyke    Yes	Comments. Not applicable.	
Condition Rating: Comments:  No		
Condition Rating: Comments:  No	Illumination: (check for lighting present along the top of the dyke)	
Comments:  Additional Information: Comments: With exception of dense vegetation encountered near St. 0+400 to 0+450, top of dyke was generally accessible.  Area behind the Dyke (immediately adjacent)  Predominant Material: Concrete - Asphalt - Grass - Other - Specify: Rip-rap (0+350 to 0+375) Comments: Predominantly grass from 0+375 to 0+325. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.  None - Full - Partial - Comments: See above.  Protective Barrier:  Protective Barrier: Fence - Guard - None - Rail (partial) Other - Specify: Rip-rap (1+350 to 0+450 to		
Comments: Vegetation from St. 0+400 to 0+525 consisting primarily of manicured grass (City owned).		
Area behind the Dyke (Immediately adjacent)  Predominant Material:  Concrete Asphalt Grass City owned).  Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Asphalt Grass Conditions: (ponding or low areas present)  Condition Rating: Yes No ✓ (manage pipe located within a ditch between St. 04-28 and -04-460 which provides for drainage of the adjacent gravel parking lot was observed to be plugged. Are catchasians present? Yes No ✓ (If yes, condition rating: Comments: No ponding water noted during the site visit, however a drainage pipe located within a ditch between St. 04-28 and -04-480 (which provides for drainage of the adjacent gravel parking lot was observed to be plugged. Are catchasians present? Yes No ✓ (If yes, condition rating: Comments: No ponding water noted during the site visit, however a drainage pipe located within a ditch between St. 04-280 (ponding or low areas present)  Condition Rating: (present): A Comments: No ponding water noted during the set visit, however and drainage pipe present from St. 04-380 to 04-375 to 04-480. No constructed access path exists elsewhere, however the back of the dyke only) Sidewalk's Pathways Accessible primarily for inspection purposes.  Protective Barrier:  Protective Barrier:  Protective Barrier:  Accessibility: (check for lighting present primarily for inspection purposes.  No View for access path exists elsewhere, however the back of the dyke only) Sidewalk's Pathways on the day Read Some Associated advanced to next section in specific purposes.  No View for accessible primarily for inspec	•	<b>Comments:</b> Vegetation from St. 0+400 to 0+525 consisting primarily
Additional Information:   Comments: With exception of dense vegetation encountered near St. 0+400 to 0+450, top of dyke was generally accessible.		
Area behind the Dyke (immediately adjacent)  Predominant Material: Concrete Asphalt Grass / Other / Specify: Rip-rap (0+350 to 0+375)  Condition Rating: 4 Comments: No ponding water noted during the sile visit, however a drainage pipe located within a ditto between St. 0+425 and -0+460 which provides for drainage of the adjacent gravel parking for which provides for drainage pipe gravel for many for a parking for which provides for drainage pipe for adjacent gravel parking for which provides for drainage of the adjacent gravel parking for which provides for drainage of the adjacent gravel parking for which provides for drainage pipe for adjacent gravel parking for season.  Accessibility: (check for recess areas behind the dyke only) Sidewalks Pathway noted along the drainage pipe for solution Rating: (for season)  Illumination: (check fo	Additional Information:	
Predominant Material:   Concrete	·	St. 0+400 to 0+450, top of dyke was generally accessible
Drainage Conditions: (ponding or low areas present)	The state of the s	to the control of the
Drainage Conditions: (ponding or low areas present)	Area behind the Dyke (immediately adjacent)	
Concrete • Asphalt • Grass ✓ Comments: No ponding water noted during the site visit, however a drainage pipe located within a ditch between St. 0+425 and -0+460 which provides for drainage of the adjacent gravel parking lot was observed to be plugged. Are catchbasins present? Yes • No ✓ If yes, condition rating: 4  Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.  Vegetation:  None • Full ✓ Partial • Comments: See above.  Vegetation:  None • Full ✓ Partial • Comments: See above.  Accessibility: (check for access areas behind the dyke only)  Sidewalks • Pathways • Roads ✓ None • Condition Rating (if present): 4  Comments: The asphalt pathway noted along the top of dyke from St. 0+350 to 0+400 directs behind the dyke from St. 0+400 to -0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier:  Fence • Guard ✓ None ✓ Rail (partial)  Other • Specify:  If fence, list type and ownership (i.e. private or city): An aluminum rating present from 0+350 to 0+3010 to 0+320 is owned by the City. No railing is present from St. 0+380 is owned by the City. No railing is present from St. 0+380 to owned by the City. No railing is present from St. 0+380 to owned by the City. No railing present from 0+350 to 0+360 to 0+350 to 0+360 to 0+350 to 0+360		Drainage Conditions: (pending or law gross present)
Comments: No ponding water noted during the site visit, however a drainage pipe located within a ditch between St. 0+425 and 0+4460 which provides for drainage of the adjacent gravel parking lot was observed to be plugged.  **Condition Rating: 4** Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.  **Vegetation:** None * Full * Partial * Partial * Comments: See above.  **Comments: See above.**  **Accessibility: (check for access areas behind the dyke only) Sidewalks * Pasthways * Roads * None * Comments: The asphalt pathway noted along the top of dyke from St. 0+350 to 0+400 directs behind the dyke from St. 0+400 to -0+460. No constructed access path sets leswhere, however the back of the dyke over this section is still considered accessable primarily for inspection purposes.  **Protective Barrier:** Fence * Guard * None * Rall (partial) Other * Rall (partial)	· · · · · · · · · · · · · · · · · · ·	
Other		
Condition Rating: 4 Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.  Vegetation:  None Full Partial Type:  Comments: See above.  Comments: See above.  Comments: See above.  Protective Barrier: Fence Guard None Rail (partial) Other Specify:  If fence, list type and ownership (i.e. private or city): An attuminum railing present from 0+350 to 0+325.  Condition Rating: (present): 4 Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes No (ff no, proceed to next section) If yes, type of structure (i.e. outlet, headwall durainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~St. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at -0+420 (photo 7551).  Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Comments: No signs of concrete deterioration. Headwall structures with pipe, etc.)  Obstructions Yes No Yes No Your Source of condition of channel downstream from pipe, sostarchings within pipe, etc.)  Comments: No signs of consion immediately downstream of the Comments: No signs of consion immediately downstream of the comments and the concept of the Accessibility. (check for access areas behind the dyke only)  Sidwalks Pathways Roads None Condition Rating: (check for incepts behind the dyke from St. 0+400 to -0+4800. No constructed access path pathway noted along the top of dyke from St. 0+400 to +0400 to +0400 the dyke over this section is still considered accessible primarily for inspection purposes.  Illumination: (check for lighting present behind the dyke)  Yes No No No None None None None None None	2,400	
observed to be plugged.  Are catchbasins present? Yes • No ✓ If yes, condition rating:  Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+355 to 0+375.  Vegetation:  None • Full ✓ Partial • Type:  Comments: See above.  Accessibility: (check for access areas behind the dyke only)  Sidewalks • Pathways • Roads ✓ None • Condition Rating (if present): 4  Comments: The asphalt pathway noted along the top of dyke from St. 0+350 to 0+400 direct selbnid the dyke from St. 0+400 to −0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Illumination: (check for lighting present behind the dyke)  Yes • No ✓  Condition Rating: (condition Rating: Comments:  No inspection purposes.  Illumination: (check for lighting present behind the dyke)  Yes • No ✓  Condition Rating: Comments:  Condition Rating: (condition Rating: Condition Rating: Comments:  Condition Rating: (condition Rating: Condition Rating: Condition Rating: Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions Yes No ✓  Comments: No signs of erosion immediately downstream of the		
Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.  Vegetation:  None	0.010)	
If yes, condition rating:   Comments: Predominantly grass from 0+375 to 0+525. Rip-rap and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.	Condition Rating: 4	
and the concrete embankment for the Adelaide Street bridge from St. 0+350 to 0+375.    Vegetation:   None		
Vegetation:   None • Full		Comments:
None Full Partial Type:  Comments: See above.  Sidewalks Pathways Roads None Condition Rating (if present): 4  Comments: The subject to the dyke from St. 0+400 to ~0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier: Fence Guard None Rail (partial) Other Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from St. 0+380 to ~0+380 is owned by the City. No railing is present from St. 0+380 to +0+525.  Condition Rating (if present): 4  Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes No (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~5t. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions Yes No sys No Yes No Your Source of the dyke over this section is still considered accessible primarily for inspection purposes.  Illumination: (check for lighting present behind the dyke)  Yes No Yes No Yes No Your Aluminum railing for safety.  Condition Rating: (check for presence of gates or grates at the outlet)  Flap Gate Yes No Source of Safety Safety Yes No Safety	from St. 0+350 to 0+375.	
Comments: See above.  Comments: See above.  Comments: The asphalt pathway noted along the top of dyke from St. 0+350 to 0+400 directs behind the dyke from St. 0+400 to ~0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier:  Fence	<u>Vegetation</u> :	Accessibility: (check for access areas behind the dyke only)
Comments: The asphalt pathway noted along the top of dyke from St. 0+350 to 0+400 directs behind the dyke from St. 0+400 to ~0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier:  Fence Guard None Mail (partial)  Other Specify:  If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ~0+380 is owned by the City. No railing is present from St. 0+380 to 0+525.  Condition Rating:  Comments: The asphalt pathway noted along the bar of vt. 0+400 (bread access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.    Illumination: (check for lighting present behind the dyke)	None • Full ✓ Partial •	Sidewalks • Pathways • Roads ✓ None •
St. 0+350 to 0+400 directs behind the dyke from St. 0+400 to ~0+460. No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.    Protective Barrier:	Type:	
No constructed access path exists elsewhere, however the back of the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier:  Fence • Guard	Comments: See above.	
the dyke over this section is still considered accessible primarily for inspection purposes.  Protective Barrier: Fence • Guard ✓ None ✓ Rail (partial) Other • Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ~0+380 is owned by the City. No railing is present from St. 0+380 to 0+525. Condition Rating: Condition Rating: Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~5t. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551). Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Obstructions within pipe, etc.) Obstructions  Yes • No ✓ Comments: No signs of erosion immediately downstream of the		
Inspection purposes.  Protective Barrier: Fence • Guard ✓ None ✓ Rail (partial) Other • Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ∼0+380 is owned by the City. No railing is present from St. 0+380 to 0+525. Condition Rating (if present): 4 Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ∼St. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ∼0+420 (photo 7551). Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Obstructions within pipe, etc.) Obstructions Within pipe, etc.) Obstructions Within pipe, etc.) Comments: No signs of erosion immediately downstream of the		
Protective Barrier: Fence • Guard ✓ None ✓ Rail (partial) Other • Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ~0+380 is owned by the City. No railing is present from St. 0+380 to 0+525. Condition Rating (if present): 4 Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~St. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for resence of gates or grates at the outlet) Flap Gate Yes ✓ No • Safety Grate Yes • No • Safety Grate Ye		
Fence • Guard ✓ None ✓ Rail (partial)  Other • Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ~0+380 is owned by the City. No railing is present from \$5.0 +380\$ to 0+525.  Condition Rating (if present): 4  Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~\$1.0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions Yes • No ✓ Comments: No signs of erosion immediately downstream of the	Dualactica Demiser	
Rail (partial) Other • Specify: If fence, list type and ownership (i.e. private or city): An aluminum railing present from 0+350 to ~0+380 is owned by the City. No railing is present from St. 0+380 to 0+525. Condition Rating (if present): 4 Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~5t. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551). Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.) Obstructions  Yes • No ✓ Comments: No signs of erosion immediately downstream of the	· · · · · · · · · · · · · · · · · · ·	
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Comments: Minor bends noted along the barrier, primarily on the top rail.  Storm Sewers/Sanitary Sewers/Outlet Structures  Yes		
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Storm Sewers/Sanitary Sewers/Outlet Structures  Yes		
Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~St. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet: (check for presence of gates or grates at the outlet) Flap Gate Yes ✓ No •  Safety Grate Yes • No •  Condition Rating: 4  Comments: Fair rating assessed as proper functioning of the flap gate could not be confirmed.  General Comments: Stones located at discharge bay of headwall structure helps slow down flow of water prior to entering stream channel.		
Yes ✓ No • (if no, proceed to next section) If yes, type of structure (i.e. outlet, headwall, drainage pipe, channel or flush): Specify: Concrete headwall with 675mm storm outlet and flap gate at ~St. 0+400 (photo 7546) and overflow weir (photo 7549). Sanitary manhole observed adjacent to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet: (check for presence of gates or grates at the outlet) Flap Gate Yes ✓ No •  Safety Grate Yes • No •  Condition Rating: 4  Comments: Fair rating assessed as proper functioning of the flap gate could not be confirmed.  General Comments: Stones located at discharge bay of headwall structure helps slow down flow of water prior to entering stream channel.		
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to toe of dyke at ~0+420 (photo 7551).  Condition Rating: 4  Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions  Yes  No  No  Comments: Stones located at discharge bay of headwall structure helps slow down flow of water prior to entering stream channel.  Condition Rating: 4  Comments: Fair rating assessed as proper functioning of the flap gate could not be confirmed.  General Comments: Stones located at discharge bay of headwall structure helps slow down flow of water prior to entering stream channel.		
Condition Rating: 4 Comments: No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions  Yes  No  No  Comments: No signs of erosion immediately downstream of the		
Comments:       No signs of concrete deterioration. Headwall structure complete with aluminum railing for safety.       Comments:       Fair rating assessed as proper functioning of the flap gate could not be confirmed.         Outlet Flow: Obstructions within pipe, etc.)       (check for condition of channel downstream from pipe, obstructions within pipe, etc.)       Structure helps slow down flow of water prior to entering stream channel.         Downstream Erosion       Yes       No       Comments:         Comments:       No signs of erosion immediately downstream of the		Condition Rating: 4
structure complete with aluminum railing for safety.  Outlet Flow: (check for condition of channel downstream from pipe, obstructions within pipe, etc.)  Obstructions  Yes  No  No  Comments: No signs of erosion immediately downstream of the		
obstructions within pipe, etc.)  Obstructions  Yes  No  No  Comments: No signs of erosion immediately downstream of the Structure helps slow down flow of water prior to entering stream channel.		gate could not be confirmed.
Obstructions Yes • No ✓ channel.  Downstream Erosion Yes • No ✓  Comments: No signs of erosion immediately downstream of the	`	
Downstream Erosion Yes • No ✓ Comments: No signs of erosion immediately downstream of the		· · · · · · · · · · · · · · · · · · ·
Comments: No signs of erosion immediately downstream of the		cnannei.
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Unsafe Condition

RATING SYSTEM

Structure (or element) in very poor or unsafe condition which may pose public safety hazard.

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. Poor Condition 2

3 Fair/Poor Condition 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.

Structure (or element) in fair condition with no visible signs of significant deterioration. Able to perform intended function with no 4 Fair Condition

**Good Condition** Structure (or element) in good condition with minor deterioration. Able to perform intended function with no apparent hindrance.

