Proposed realignment of Shirley’s Brook

Major system drainage (>5-yr storm) north of CN Rail directed to Shirley’s Brook

Major system drainage (>5-yr storm) north of CN Rail directed to existing outlet(s) of Kizell Drain

Minor system drainage (5-yr storm) north and south of CN Rail directed to Kizell Cell (Proposed SWM Facility)

Minor system drainage (5-yr storm) north and south of CN Rail directed to existing Beaver Pond

Major system drainage (>5-yr storm) maintained to Shirley’s Brook

Proposed KNL Phase 9 & Northtech Lands storm outlet to existing Beaver Pond

Proposed KNL Phase 7 & 8 storm outlet to Kizell Cell

Kizell Cell - Modify existing pond to provide water quality treatment and quantity control for KNL Phase 7 (minor & major system) & KNL Phase 8 (minor system)

Beaver Pond - Modify existing SWM pond to provide water quality treatment and quantity control for KNL Phase 9 (minor & major system) & Northtech Lands (minor system)

Subwatershed Boundary

Remaining KNL Development Phases 7, 8 & 9

Northtech Lands

Proposed Major System (Overland Flow) Catchment Area

Proposed Minor System (Storm Sewer) Catchment Area

Proposed Direction of Minor System Drainage

Proposed Direction of Major System Drainage

Proposed Storm Sewer Outfall

Existing SWM Facility (no change)

Modifications to Existing SWM Facility

New SWM Facility

Proposed Shirley’s Brook Realignment

Existing Watercourse

Pond

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Basemapping and orthophotography provided by the City of Ottawa.
Diversion of Minor System Drainage for Phase 7 & 8 to Beaver Pond.

Diversion of Portion of Major System Drainage for Phase 7 to Kizell Cell.

Proposed Shirley’s Brook Realignment

Proposed Storm Sewer Outfall

Existing Watercourse

Pond

Proposed realignment of Shirley’s Brook

Minor system drainage (5-yr storm) north of CN Rail directed to Beaver Pond

Major system drainage (>5-yr storm) north of CN Rail directed to Beaver Pond

Major system drainage (>5-yr storm) south of CN Rail directed to Kizell Cell

Minor system area south of CN Rail (5-yr storm) directed to Beaver Pond

Minor system drainage (5-yr storm) south of CN Rail directed to existing Beaver Pond SWM Facility

Major system drainage (>5 yr storm) north of CN Rail directed to existing outlet(s)

Minor system drainage (5-yr storm) maintained to Shirley’s Brook

Shirley’s Brook

Proposed Minor System Drainage

Proposed Major System Drainage

Existing SWM Facility (no change)

Modifications to Existing SWM Facility

New SWM Facility

Subwatershed Boundary

Remaining KNL Development

Phases 7, 8 & 9

Northtech Lands

Proposed Major System (Overland Flow) Catchment Area

Proposed Minor System (Storm Sewer) Catchment Area

Proposed Direction of Minor System Drainage

Proposed Direction of Major System Drainage

Kizell Drain

Kizell Cell

Proposed KNL Phase 7 & 8 storm outlet to existing Beaver Pond

Proposed KNL Phase 9 & Northtech Lands storm outlet to existing Beaver Pond

Minor and major system drainage south of CN Rail directed to existing Beaver Pond

Beaver Pond - Modify existing SWM pond to provide water quality treatment and quantity control for KNL Phase 7 & 8 (minor system) as well as KNL Phase 9 (minor & major) and Northtech Lands (minor system)

Beaver Pond - Modify existing SWM pond to provide water quality treatment and quantity control for KNL Phase 7 & 8 (minor system)
Minor system drainage (5-yr storm) north of CN Rail directed to Beaver Pond

Major system drainage (>5-yr storm) north of CN Rail directed to Shirley’s Brook

Minor system drainage (5-yr storm) directed to existing Beaver Pond SWM Facility

Major system drainage (>5-yr storm) maintained to existing outlet(s) north of CN Rail.

Proposed Shirley’s Brook Realignment

Proposed KNL Phase 7 & 8 storm outlet to existing Beaver Pond

Major system drainage (>5-yr storm) maintained to Kizell Cell

Kizell Cell - No modifications to Kizell Cell. Receives only major system drainage from KNL Phase 7 lands that currently drain to Kizell Cell

Proposed realignment of Shirley’s Brook

Minor system area south of CN Rail (5-yr storm) directed to Beaver Pond

Major system drainage (>5-yr storm) south of CN Rail within Shirley’s Brook subwatershed directed to Shirley’s Brook

Proposed KNL Phase 7 & 8 storm outlet to existing Beaver Pond

Proposed KNL Phase 9 & Northtech Lands storm outlet to existing Beaver Pond

Minor and major system drainage south of CN Rail directed to existing Beaver Pond

Beaver Pond - Modify existing SWM pond to provide water quality treatment and quantity control for KNL Phase 7 & 8 (minor system) as well as KNL Phase 9 (minor & major) and Northtech Lands (minor system)

Shirley’s Brook

Proposed Direction of Minor System Drainage

Proposed Storm Sewer Outfall

Existing SWM Facility (no change)

Modifications to Existing SWM Facility

New SWM Facility

Legend

Subwatershed Boundary

Remaining KNL Development Phases 7, 8 & 9

Northtech Lands

Proposed Major System (Overland Flow) Catchment Area

Proposed Minor System (Storm Sewer) Catchment Area

Proposed Direction of Minor System Drainage

Proposed Direction of Major System Drainage

Proposed Storm Sewer Outfall

Existing SWM Facility (no change)

Modifications to Existing SWM Facility

Baseline SWM Facility

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Basemapping and orthophotography provided by the City of Ottawa.

Date: 04/10/2013

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Minor and major system drainage directed to Shirley's Brook

New SWM pond(s) to provide water quality treatment and quantity control for area north of CN Rail to Shirley's Brook

Proposed storm outlet to Shirley's Brook

New SWM pond(s) to provide water quality treatment and quantity control for area south of CN Rail to Shirley's Brook

Minor system area south of CN Rail (5-yr storm) directed to Shirley's Brook SWM Pond(s)

Proposed realignment of Shirley's Brook

Major system drainage boundary (>5-yr storm) maintained to Kizell Cell

Kizell Cell - No modifications to Kizell Cell. Receives only major system drainage from KNL Phase 7 lands that currently drain to Kizell Cell

Major system drainage (>5-yr storm) directed to existing Beaver Pond SWM Facility

Proposed KNL Phase 9 & Northtech Lands storm outlet to existing Beaver Pond

Major system drainage (>5-yr storm) north of CN Rail directed to existing outlet(s)

Minor system drainage (5-yr storm) directed to existing Beaver Pond SWM Facility

Minor and major system drainage south of CN Rail directed to existing Beaver Pond

Proposed realignment of Shirley's Brook

Beaver Pond - Modify existing SWM pond to provide water quality treatment and quantity control for KNL Phase 9 & Northtech Lands (minor system)