



POND 3
 BOTTOM = 92.80
 NWL = 94.80
 ACTIVE STORAGE = 95.80
 LENGTH TO WIDTH RATIO = 3:1
 AVAIL VOL = 1,600m³

POND 1
 POST TO PRE DIRECTED TO VAN GAAL DRAIN
 BOTTOM = 91.50
 NWL = 93.50
 ACTIVE STORAGE = 94.10
 LENGTH TO WIDTH RATIO = 5:1
 AVAIL ACTIVE STORAGE = 27,000m³
 REQUIRED VOL LIME TO ATTENUATE RUNOFF
 DISCHARGED FROM ALL LAND NORTH OF
 MOORE BRANCH DIRECTED TO VAN GAAL
 DRAIN IS 26,600m³

POND 2
 BOTTOM = 91.20
 NWL = 93.20
 ACTIVE STORAGE = 94.25
 LENGTH TO WIDTH RATIO = 3:1
 AVAIL EXTENDED STORAGE
 = 18,800m³
 CONTROLLED OUTLET BASED
 ON CAPACITY OF 1500mm DIA
 STM SEWER @ 0.1%

TO BE CONVEYED
 TO SWMP 1
 VIA NEW STM SEWERS

2100mm MAJOR STORM
 CHANNEL CONVEYING
 UP TO AND INCLUDING
 THE 100-YEAR EVENT
 TO PREDEVELOPMENT
 LEVELS

ENCLOSE EXISTING
 MOORE TRIBUTARY

TO BE CONVEYED
 TO SWMP 1
 VIA NEW STM SEWERS

SWM POND 2 OUTFALL



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VILLAGE OF RICHMOND
 CONCEPTUAL SWM PLAN
 OPTION 2
 CITY OF OTTAWA

LEGEND	
	STUDY LIMIT
	MEANDER BELT
	REGULATORY FLOOD LINE
	STORM DRAINAGE AREA
	STORM OUTFALL
	OVERLAND FLOW DIRECTION
	EXTERNAL OVERLAND FLOW DIRECTION
	EXISTING ELEVATION CONTOUR
	96.80 FLOOD LINE ELEVATION
	21537 FLOOD LINE SECTION
	96.84 EXISTING DITCH
	94.67 PROPOSED ELEVATION
	94.67 EXISTING ELEVATION
	73.82Ha DRAINAGE AREA
	60% IMPERVIOUSNESS

PROJECT No.:	07-303
DATE:	2009-04-01
DRAWN BY:	KM / ADF
SCALE:	1:10,000
DRAWING:	4

