



POND 3
 BOTTOM = 92.80
 NWL = 94.80
 ACTIVE STORAGE = 95.80
 LENGTH TO WIDTH RATIO = 3:1
 AVAIL. VOL. = 1600m³

POND 1
 BOTTOM = 91.30
 NWL = 93.30
 ACTIVE STORAGE = 94.10
 LENGTH TO WIDTH RATIO = 4.5:1
 AVAIL. VOL. = 2,300m³

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 STN. SERV. @ 0.1%

TO BE CONVEYED TO VAN GAAL DRAIN VIA ENGINEERED OPEN CHANNEL PER JSFA MEMO APPENDIX I

TO BE CONVEYED TO VAN GAAL DRAIN THROUGH EXISTING ROAD SIDE DITCHES

450m - MAJOR STORM CHANNEL CONVEYING UP TO AND INCLUDING THE 100-YEAR EVENT TO PREDEVELOPMENT LEVELS

275m - LOW FLOW CHANNEL - CONVEYING FLOW UP TO AND INCLUDING THE 2-YEAR EVENT TO A MAX. RATE OF 330(L/S)

MORE TRIBUTARY TO BE RECONSTRUCTED PER JSFA MEMO APPENDIX I

TO BE CONVEYED TO VAN GAAL DRAIN VIA ENGINEERED OPEN CHANNEL PER JSFA MEMO APPENDIX I



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VILLAGE OF RICHMOND
 CONCEPTUAL SWM PLAN
 OPTION 3B
 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: 2010-03-10
DRAWN BY: KM / ADF
SCALE: 1:10,000
DRAWING: 6

