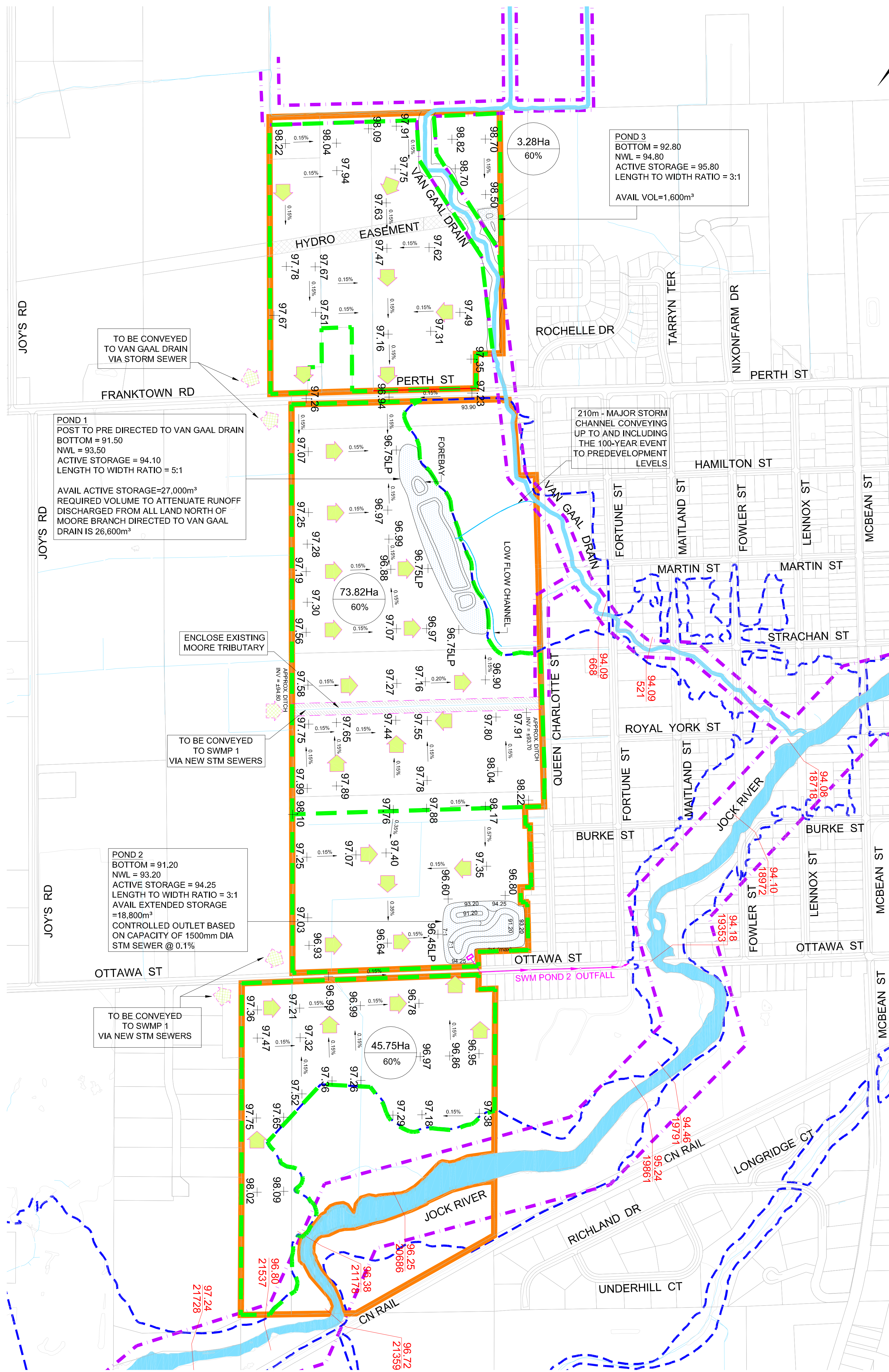
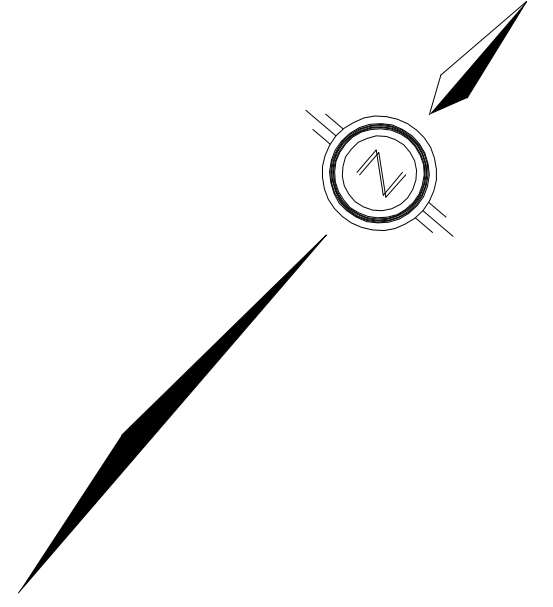


PUBLIC OPEN HOUSE: STORMWATER MANAGEMENT

DRAWING 4: OPTION 2, CONCEPTUAL STORMWATER MANAGEMENT PLAN



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 VOLUME TO ATTENUATE RUNOFF
 DISCHARGED FROM ALL LAND NORTH OF
 MOORE BRANCH DIRECTED TO VAN GAAL
 DRAIN IS 26,600m³

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

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%

POND 4
 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%

210m - 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

TO BE CONVEYED
 TO SWMP 1
 VIA NEW STM SEWERS

- STUDY LIMIT
- MEANDER BELT
- REGULATORY FLOOD LINE
- STORM DRAINAGE AREA
- STORM OUTFALL
- OVERLAND FLOW DIRECTION
- EXTERNAL OVERLAND FLOW DIRECTION
- EXISTING ELEVATION CONTOUR
- FLOOD LINE ELEVATION
- FLOOD LINE SECTION
- EXISTING DITCH
- PROPOSED ELEVATION
- EXISTING ELEVATION
- DRAINAGE AREA
- IMPERVIOUSNESS



CONCEPTUAL SWM PLAN OPTION 2

1:5,000

DRAWING: 4