CARDINAL CREEK VILLAGE PHASE 4
CITY FILE NO. D07-16-13-002 PH4
PREPARED BY DSEL, SEPT. 2017
CONSTRUCTION COMPLETED.

CARDINAL CREEK VILLAGE PHASE 5&6
CITY FILE NO. D07-16-13-002 PH5PH6
PREPARED BY DSEL, MAY 2021.
CONSTRUCTION COMPLETED.

OUTLET STRUCTURE, PIPES AND ARMOUR STONE SPILLWAY SHOWN CONCEPTUALLY, DESIGN OF AMOUR STONE SPILLWAY TO BE PROVIDED BY GEOMORPHIX AT DETAILED DESIGN

EX. 600ø CSP CULVERT IN INV.=91.92 OUT INV.=91.87

EX. 500ø CSP CULVERT INV.=91.55

MATCH EXISTING SWALE

ABANDON EXISTING CULVERT

EX. 900ø CSP CULVERT IN INV.=88.48 OUT INV.=88.53

REGRADE EXISTING SWALE. REMOVE LOW POINT AND DIRECT FLOW FROM DITCH TO SOUTH CULVERT.

EX. 600ø CSP CULVERT IN INV.=89.09 OUT INV.=89.03

EX. 900ø CULVERT IN INV=87.31 OUT INV=87.31

EX. CULVERT

XS 1107.3 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR =77.67

XS 1281.8 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR =80.47

XS 881.4 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR =73.64

XS 951.3 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR =74.04

XS 829.4 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR =73.30

XS 1424.5 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR = 82.59

XS 1590.4 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR = 86.80

XS 1727.5 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR = 87.64

XS 1852.6 PER CARDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013

SOUTH TRIBUTARY HAZARD LIMITS PER PATERSON GROUP (PROJ# PG5201-1) DATED NOVEMBER 29, 2021

FUTURE DEVELOPMENT LANDS

LEGEND

- SUBJECT LANDS
- STORM TRUNK
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- STORM DRAINAGE AREA
- 100-YEAR STORM DRAINAGE AREA
- EXTERNAL STORM DRAINAGE AREA
- STORM MANHOLE
- DRAINAGE AREA / RUNOFF COEFFICIENT / UPSTREAM/DOWNSTREAM MANHOLE / STORM FREQUENCY
- EXTERNAL DRAINAGE
- EXTERNAL DRAINAGE AREA IN HECTARES / EXTERNAL RUNOFF COEFFICIENT / UPSTREAM MH / DOWNSTREAM MH / STORM FREQUENCY
- INFILL WORK AREA

SOUTH TRIBUTARY HAZARD LIMITS PER PATERSON GROUP (PROJ# PG5201-1) DATED NOVEMBER 29, 2021:

- EROSION ACCESS ALLOWANCE
- TOE EROSION ALLOWANCE/ LIMIT OF HAZARD LANDS
- STABLE SLOPE ALLOWANCE
- HIGH WATER LINE
- TOP OF SLOPE
- 30m SETBACK FROM NHWM

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CARDINAL CREEK VILLAGE SOUTH

CITY OF OTTAWA

STORM SERVCING PLAN

SCALE:	1:1500	PROJECT No.:	19-1153
DATE:	NOVEMBER 2024	DRAWING:	2