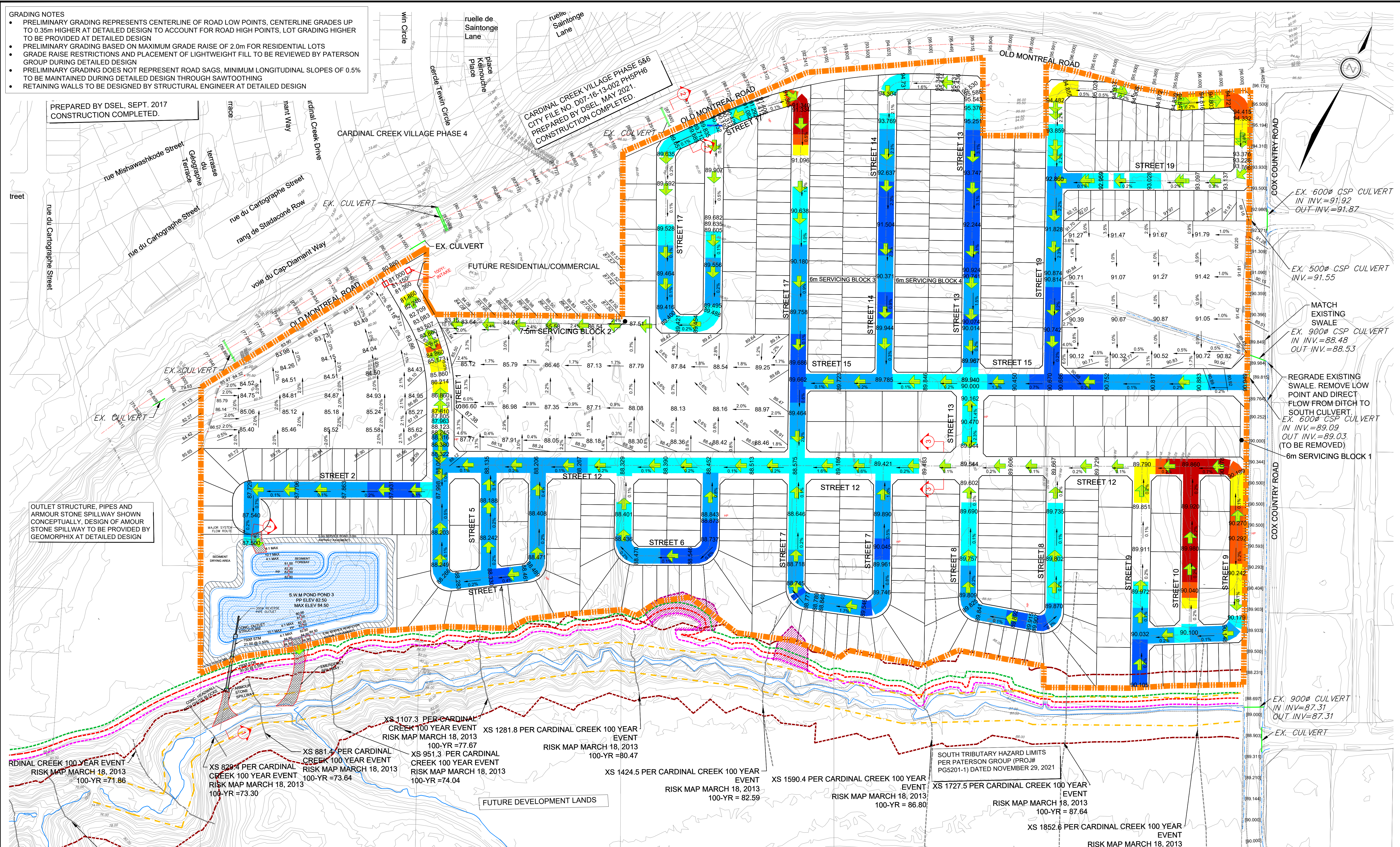


- GRADING NOTES**
- PRELIMINARY GRADING REPRESENTS CENTERLINE OF ROAD LOW POINTS, CENTERLINE GRADES UP TO 0.35m HIGHER AT DETAILED DESIGN TO ACCOUNT FOR ROAD HIGH POINTS, LOT GRADING HIGHER TO BE PROVIDED AT DETAILED DESIGN
 - PRELIMINARY GRADING BASED ON MAXIMUM GRADE RAISE OF 2.0m FOR RESIDENTIAL LOTS
 - GRADE RAISE RESTRICTIONS AND PLACEMENT OF LIGHTWEIGHT FILL TO BE REVIEWED BY PATERSON GROUP DURING DETAILED DESIGN
 - PRELIMINARY GRADING DOES NOT REPRESENT ROAD SAGS. MINIMUM LONGITUDINAL SLOPES OF 0.5% TO BE MAINTAINED DURING DETAILED DESIGN THROUGH SAWTOOTHING
 - RETAINING WALLS TO BE DESIGNED BY STRUCTURAL ENGINEER AT DETAILED DESIGN

PREPARED BY DSEL, SEPT. 2017
CONSTRUCTION COMPLETED.



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

RDINAL CREEK 100 YEAR EVENT RISK MAP MARCH 18, 2013 100-YR = 71.86

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

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 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 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

- LEGEND**
- 192.851 PROPOSED CENTERLINE ELEVATION
 - 193.50 EXISTING ELEVATION
 - PROPOSED ELEVATION
 - EXISTING CENTERLINE ELEVATION
 - INFILL WORK AREA
 - SUBJECT LANDS
 - STORM OVERLAND FLOW ARROW
 - RETAINING WALL
 - HIGH WATER LINE
 - TOP OF SLOPE
 - 30m SETBACK FROM NHWM
 - EROSION ACCESS ALLOWANCE
 - TOE EROSION ALLOWANCE/LIMIT OF HAZARD LANDS
 - STABLE SLOPE ALLOWANCE

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

CUT-FILL DEPTH ALONG CENTER LINE:

CUT DEPTH (m)		FILL DEPTH (m)	
0 - 0.5	1.5 - 2.0	0 - 0.5	1.5 - 2.0
0.5 - 1.0	2.0 - 2.5	0.5 - 1.0	2.0 - 2.5
1.0 - 1.5	> 2.5	1.0 - 1.5	> 2.5

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CARDINAL CREEK VILLAGE SOUTH
CITY OF OTTAWA

GRADING PLAN
SCALE: 1:1500
PROJECT No.: 19-1153
DATE: NOVEMBER 2024
DRAWING: 5