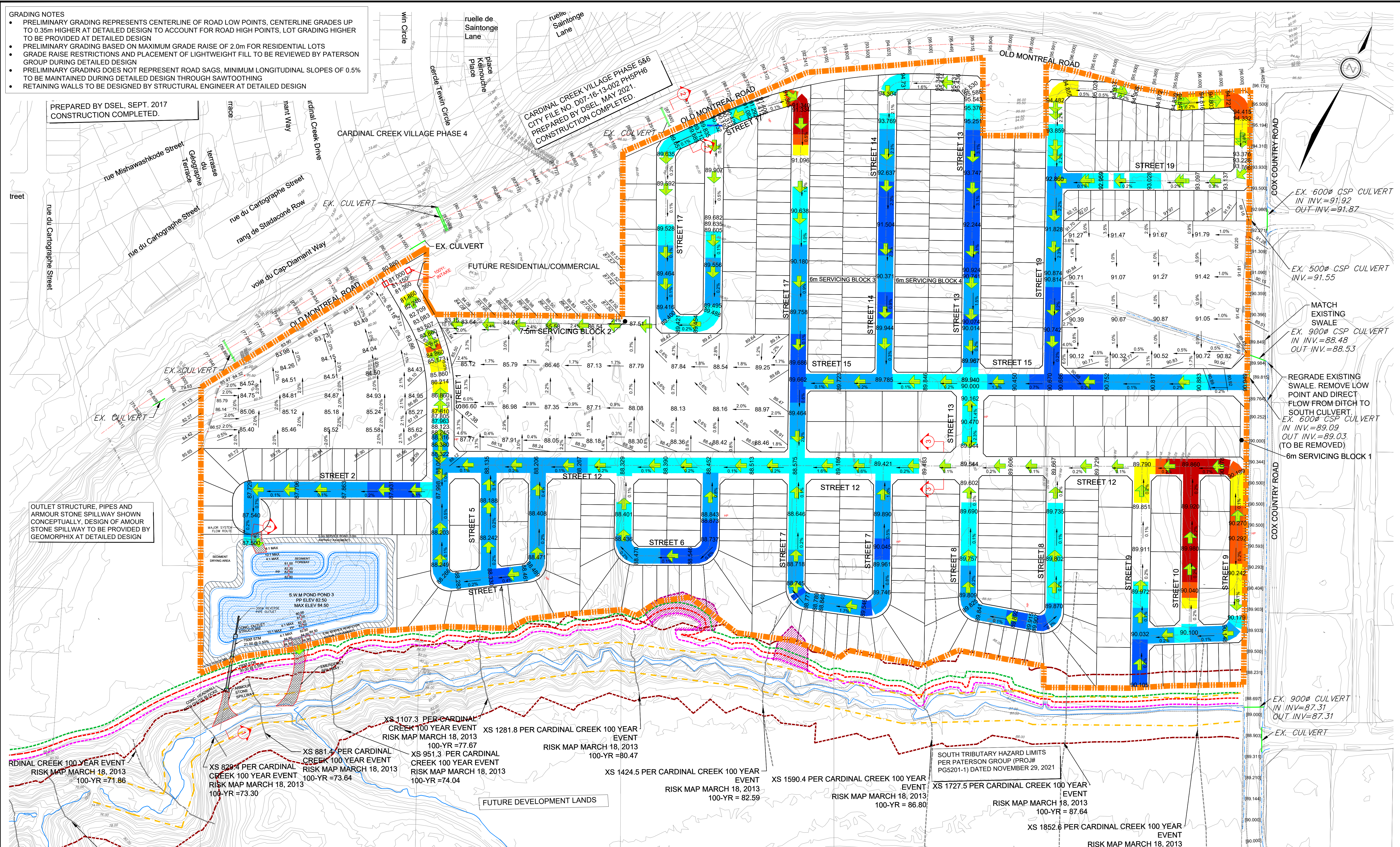


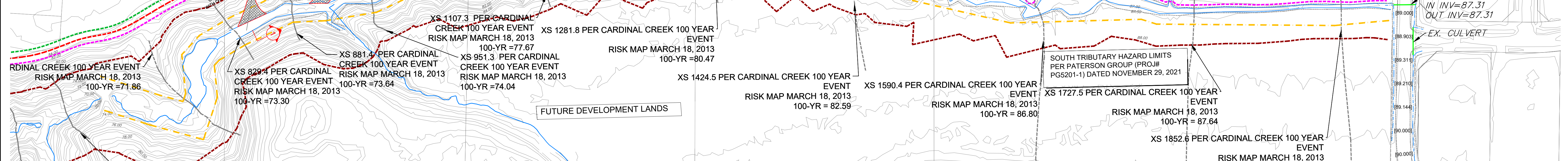
- GRADING NOTES**
- PRELIMINARY GRADING REPRESENTS CENTERLINE OF ROAD LOW POINTS, CENTERLINE GRADES UP TO 0.35m HIGHER AT DETAILED DESIGN TO ACCOUNT FOR ROAD HIGH POINTS, LOT GRADING HIGHER TO BE PROVIDED AT DETAILED DESIGN
  - PRELIMINARY GRADING BASED ON MAXIMUM GRADE RAISE OF 2.0m FOR RESIDENTIAL 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.

CARDINAL CREEK VILLAGE PHASE 5&6  
CITY FILE NO. D07-16-13-002 PHSPH6  
PREPARED BY DSEL, MAY 2021.  
CONSTRUCTION COMPLETED.



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



- LEGEND**
- 192.851 PROPOSED CENTERLINE ELEVATION
  - 193.50 EXISTING ELEVATION
  - PROPOSED ELEVATION
  - EXISTING CENTERLINE ELEVATION
  - INFILL WORK AREA
  - STORM OVERLAND FLOW ARROW
  - RETAINING WALL
  - HIGH WATER LINE
  - TOP OF SLOPE
  - 30m SETBACK FROM NHWM
  - 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

**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

**DSEL**  
120 Iber Road, Unit 103  
Sittsville, Ontario, K2S 1E9  
Tel: (613) 836-8856  
Fax: (613) 836-7183  
www.DSEL.ca

**CARDINAL CREEK VILLAGE SOUTH**  
**CITY OF OTTAWA**

**GRADING PLAN**

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