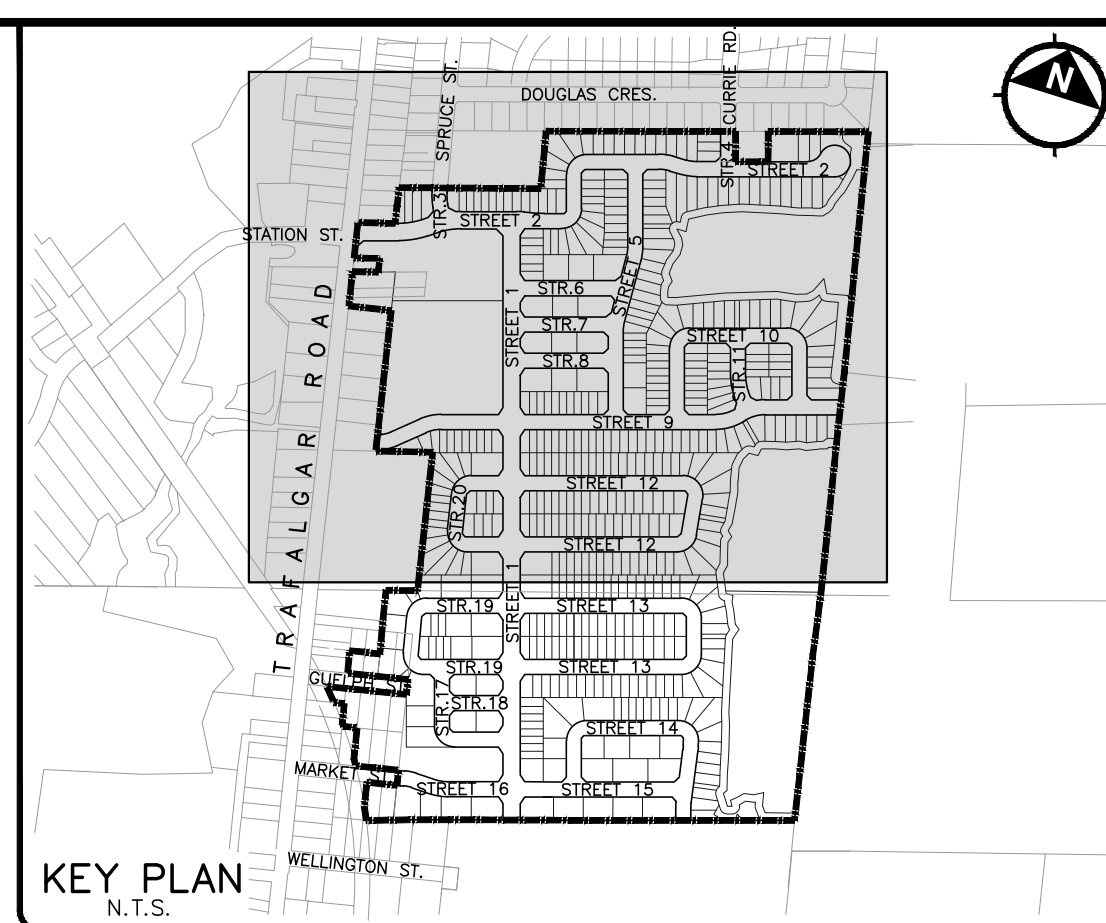
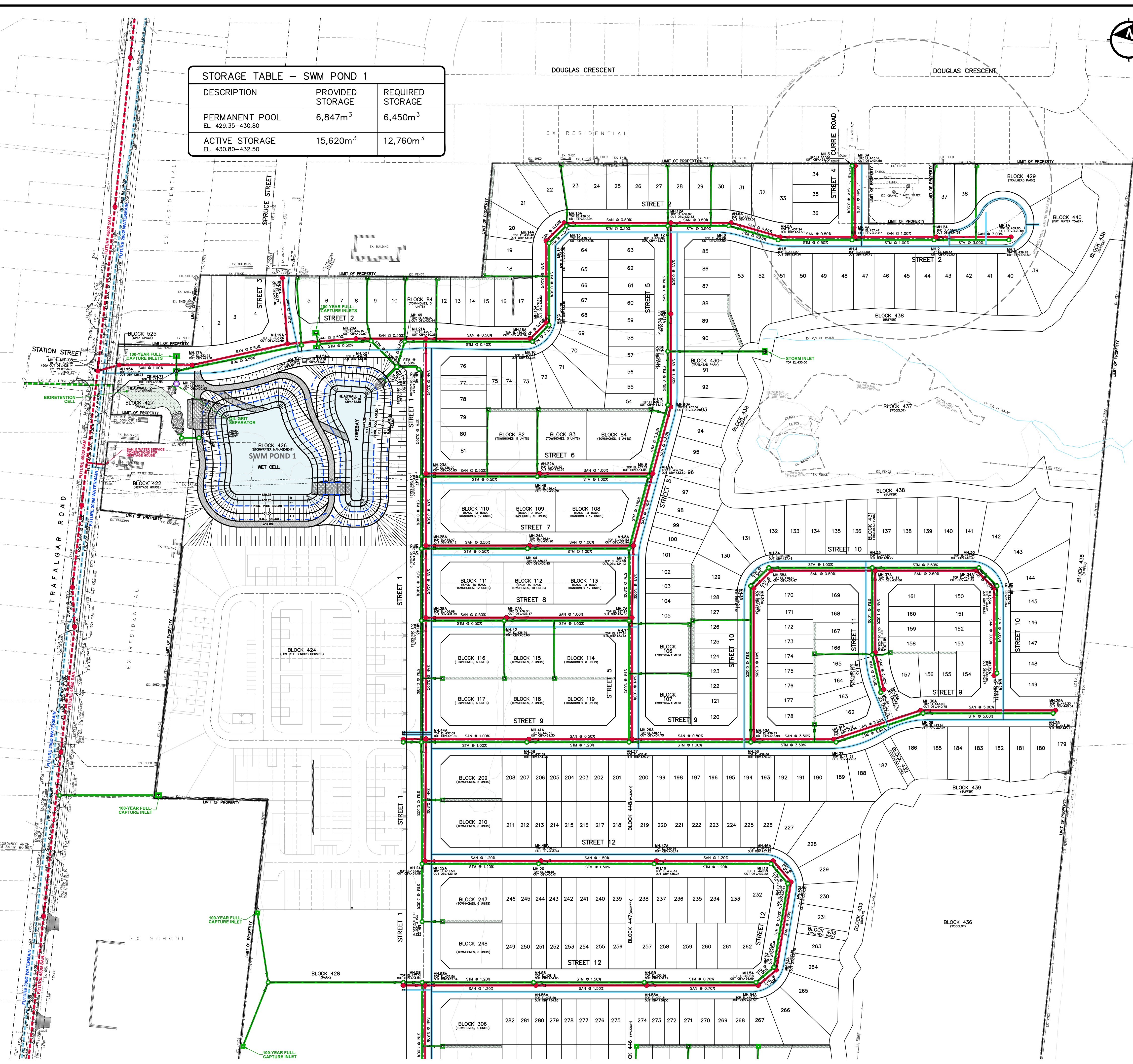


STORAGE TABLE – SWM POND 1		
DESCRIPTION	PROVIDED STORAGE	REQUIRED STORAGE
PERMANENT POOL EL. 429.35–430.80	6,847m <sup>3</sup>	6,450m <sup>3</sup>
ACTIVE STORAGE EL. 430.80–432.50	15,620m <sup>3</sup>	12,760m <sup>3</sup>



**LEGEND**

- DENOTES LIMIT OF DEVELOPMENT
- DENOTES STORM SEWER
- DENOTES SANITARY SEWER
- DENOTES WATERMAIN
- DENOTES RETAINING WALL
- DENOTES REAR YARD INFILTRATION TRENCH
- DENOTES BIORETENTION CELL

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**DRAWING LIST**

FS-01	FUNCTIONAL SERVICING PLAN – PART 1
FS-02	FUNCTIONAL SERVICING PLAN – PART 2
FG-01	FUNCTIONAL GRADING PLAN – PART 1
FG-02	FUNCTIONAL GRADING PLAN – PART 2
FSC-01	FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN

**SUBMISSION HISTORY**

No.	ISSUED FOR	DATE
1.	ISSUED FOR 1st SUBMISSION	MAR.1,2023
2.	ISSUED FOR 2nd SUBMISSION	JAN.17,2024

**REVISIONS**

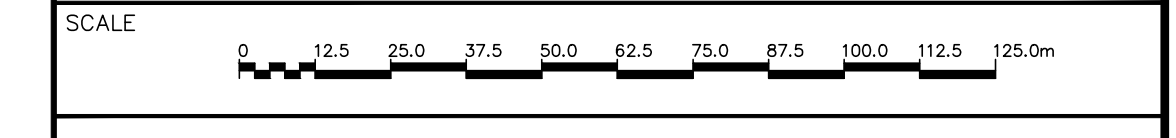
No.	DESCRIPTION	BY	DATE

**BENCHMARK NOTE:**  
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CONSULTANT: MUNICIPAL APPROVAL: \_\_\_\_\_

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 e. general@urbanworkseng.com | w. www.urbanworkseng.com

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 63 & 63A TRAFALGAR ROAD



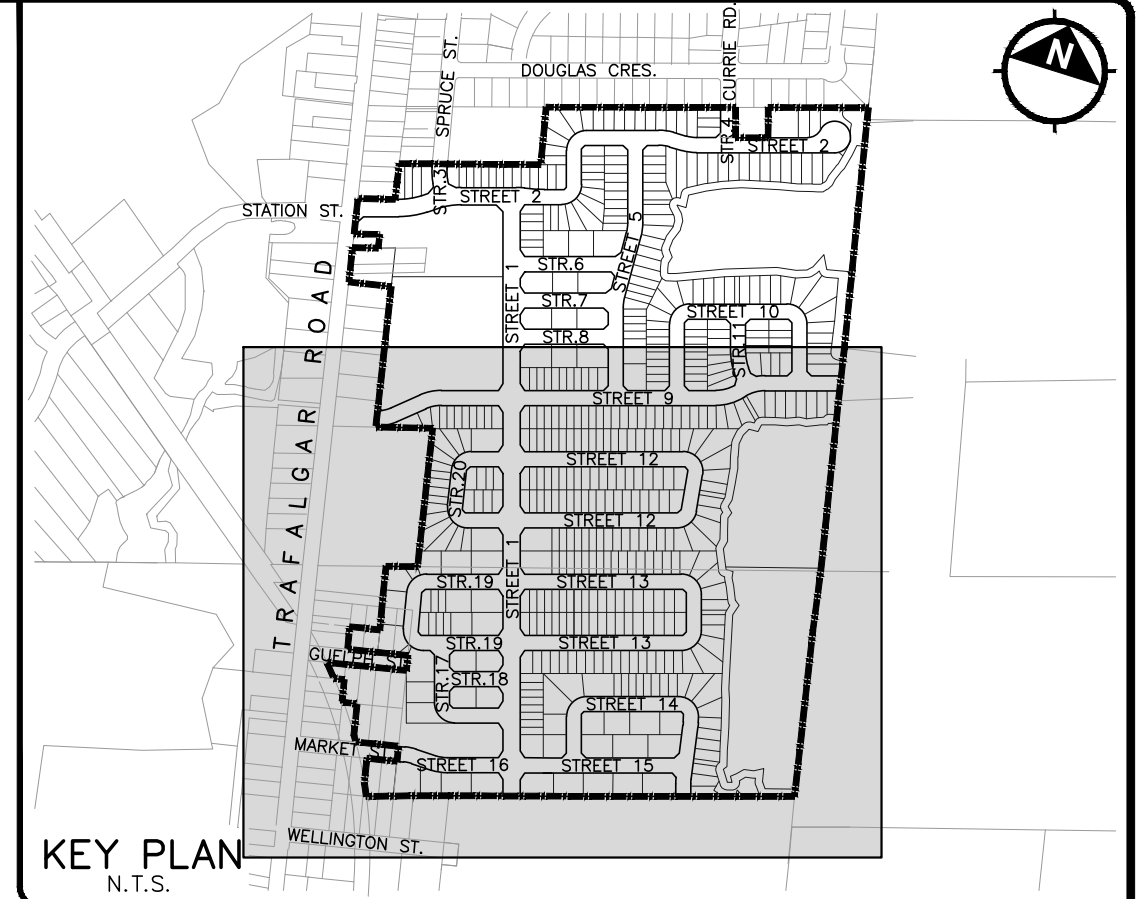
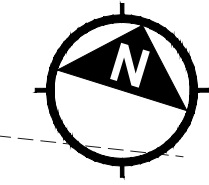
**FUNCTIONAL SERVICING PLAN PART 1**

MUNICIPAL FILE: OPA 23-01  
 Z23-02  
 23T-23003 PROJECT No: **22-0020ER**

DATE: JAN. 17, 2024 DESIGNED BY: T.D. Dwg. No. **FS-01**  
 SCALE: 1:1250 DRAWN BY: T.D.  
 CHECKED BY: M.M.

REFER TO DWG. FS-02

REFER TO DWG. FS-01



- LEGEND**
- DENOTES LIMIT OF DEVELOPMENT
  - DENOTES STORM SEWER
  - DENOTES SANITARY SEWER
  - DENOTES WATERMAIN
  - DENOTES RETAINING WALL
  - DENOTES REAR YARD INFILTRATION TRENCH
  - DENOTES BIORETENTION CELL

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**DRAWING LIST**

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FS-02	FUNCTIONAL SERVICING PLAN - PART 2
FG-01	FUNCTIONAL GRADING PLAN - PART 1
FG-02	FUNCTIONAL GRADING PLAN - PART 2
FSC-01	FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN

**SUBMISSION HISTORY**

No.	ISSUED FOR	DATE
1.	ISSUED FOR 1st SUBMISSION	MAR.1,2023
2.	ISSUED FOR 2nd SUBMISSION	JAN.17,2024

**REVISIONS**

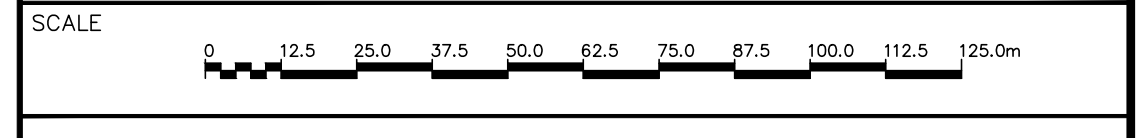
No.	DESCRIPTION	BY	DATE

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**FUNCTIONAL SERVICING PLAN PART 2**

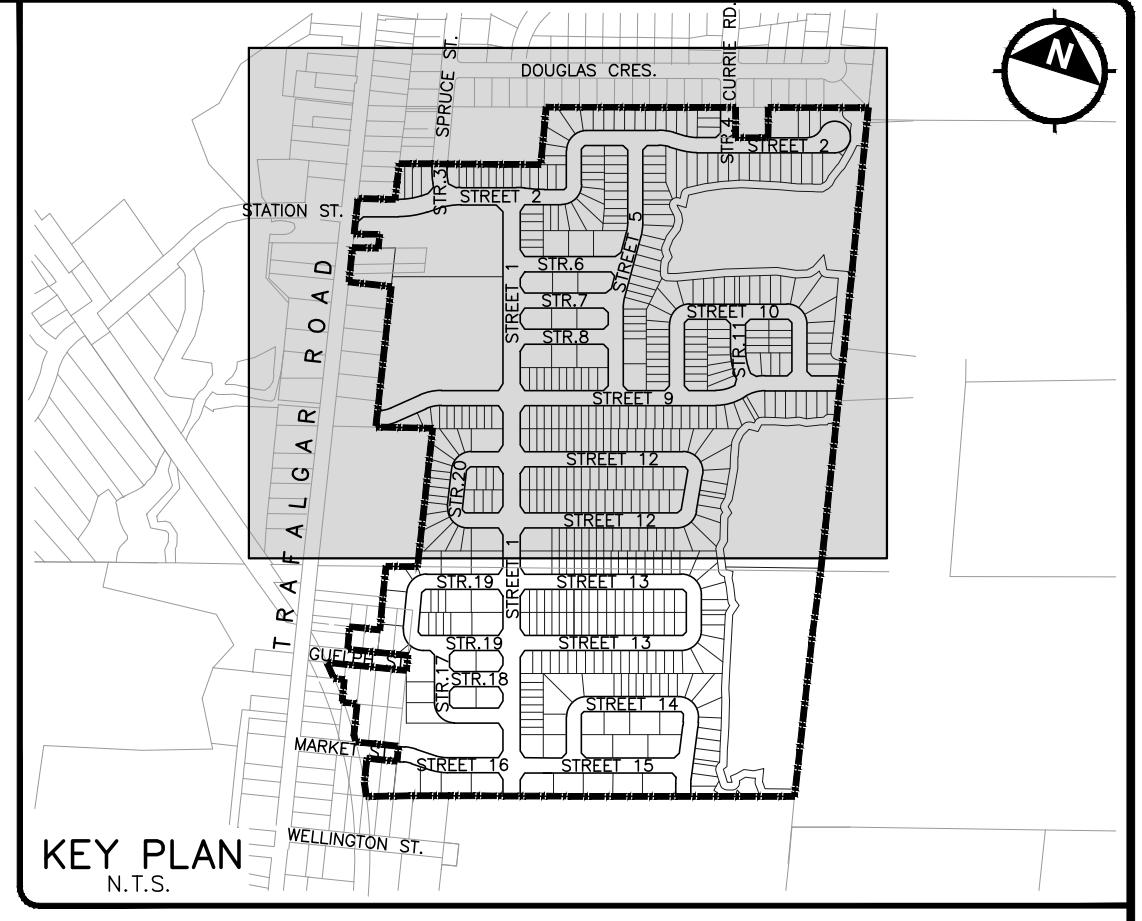
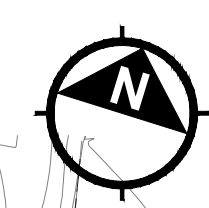
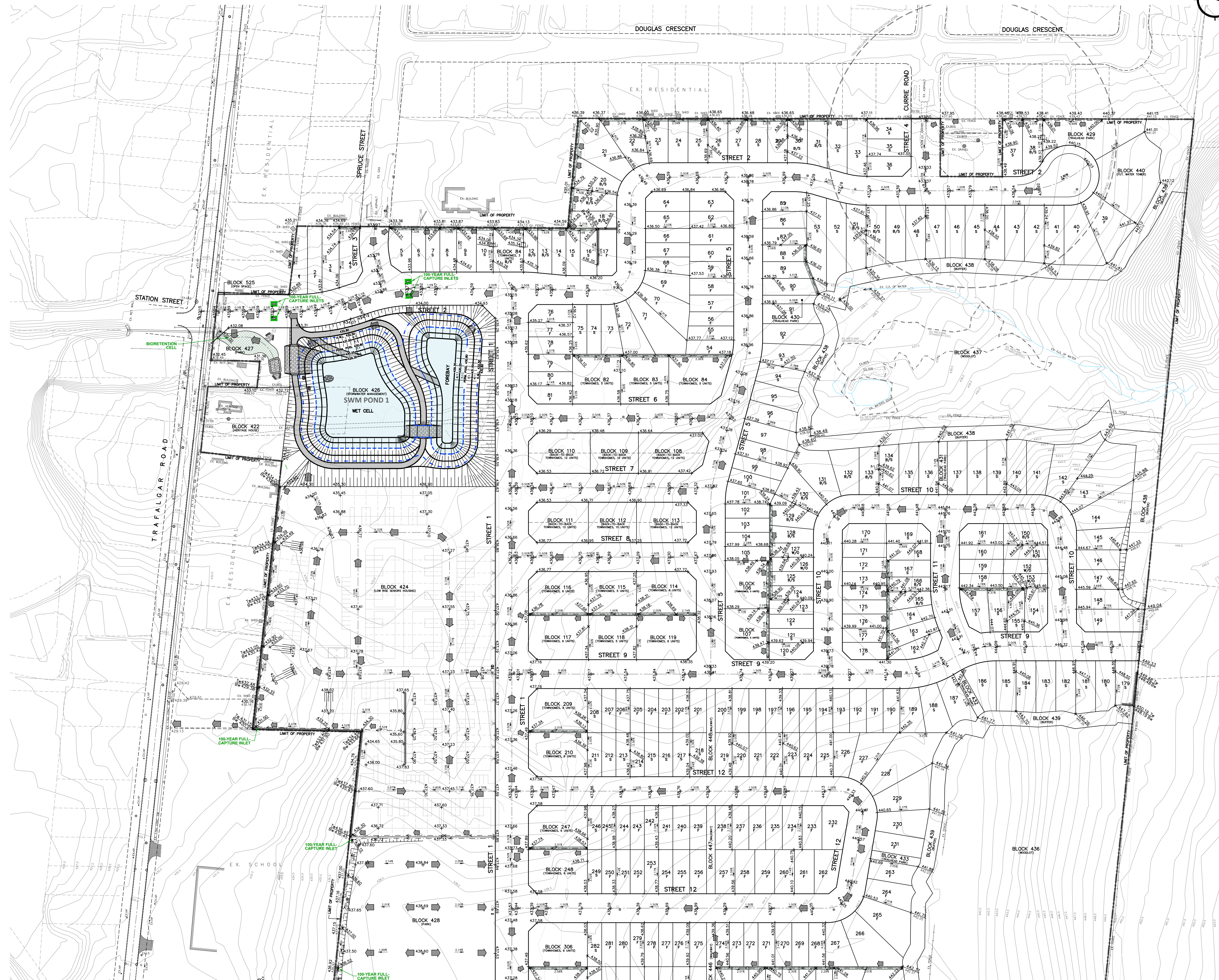
MUNICIPAL FILE:	OPA 23-01 Z23-02 23T-23003	PROJECT No:	<b>22-0020ER</b>
DATE:	JAN. 17, 2024	DESIGNED BY:	T.D.
SCALE:	1:1250	DRAWN BY:	T.D.
		CHECKED BY:	M.M.

**FS-02**



**STORAGE TABLE - SWM POND 2**

DESCRIPTION	PROVIDED STORAGE	REQUIRED STORAGE
PERMANENT POOL EL. 427.50-428.80	5,227m <sup>3</sup>	3,815m <sup>3</sup>
ACTIVE STORAGE EL. 428.80-430.50	13,694m <sup>3</sup>	10,380m <sup>3</sup>



**LEGEND**

---	DENOTES LIMIT OF DEVELOPMENT	←	→	DENOTES SHALE
189.52	DENOTES PROPOSED ELEVATION	▭	▭	DENOTES REAR YARD INFILTRATION TRENCH
193.14	DENOTES EXISTING ELEVATION	▭	▭	DENOTES RETAINING WALL
[189.52]	DENOTES FUTURE ELEVATION	▭	▭	DENOTES BIORETENTION CELL
193.14	DENOTES EXISTING CONTOUR	▭	▭	
→	DENOTES OVERLAND FLOW ROUTE			
F	DENOTES FRONT-DRAINING LOT			
S	DENOTES SPLIT-DRAINING LOT			
B/S	DENOTES BACK-SPLIT LOT			
W/O	DENOTES WALKOUT LOT			
RW/O	DENOTES REVERSE WALKOUT LOT			

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**DRAWING LIST**

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FS-02	FUNCTIONAL SERVICING PLAN – PART 2
FG-01	FUNCTIONAL GRADING PLAN – PART 1
FG-02	FUNCTIONAL GRADING PLAN – PART 2
FSC-01	FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN

**SUBMISSION HISTORY**

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2.	ISSUED FOR 2nd SUBMISSION	JAN.17,2024

**REVISIONS**

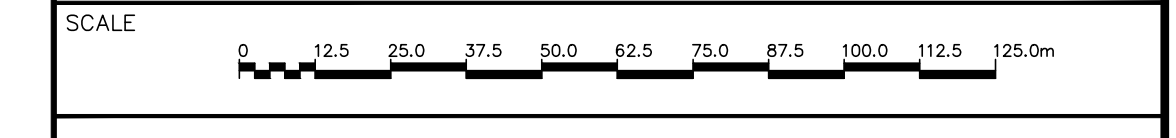
No.	DESCRIPTION	BY	DATE

**BENCHMARK NOTE:**  
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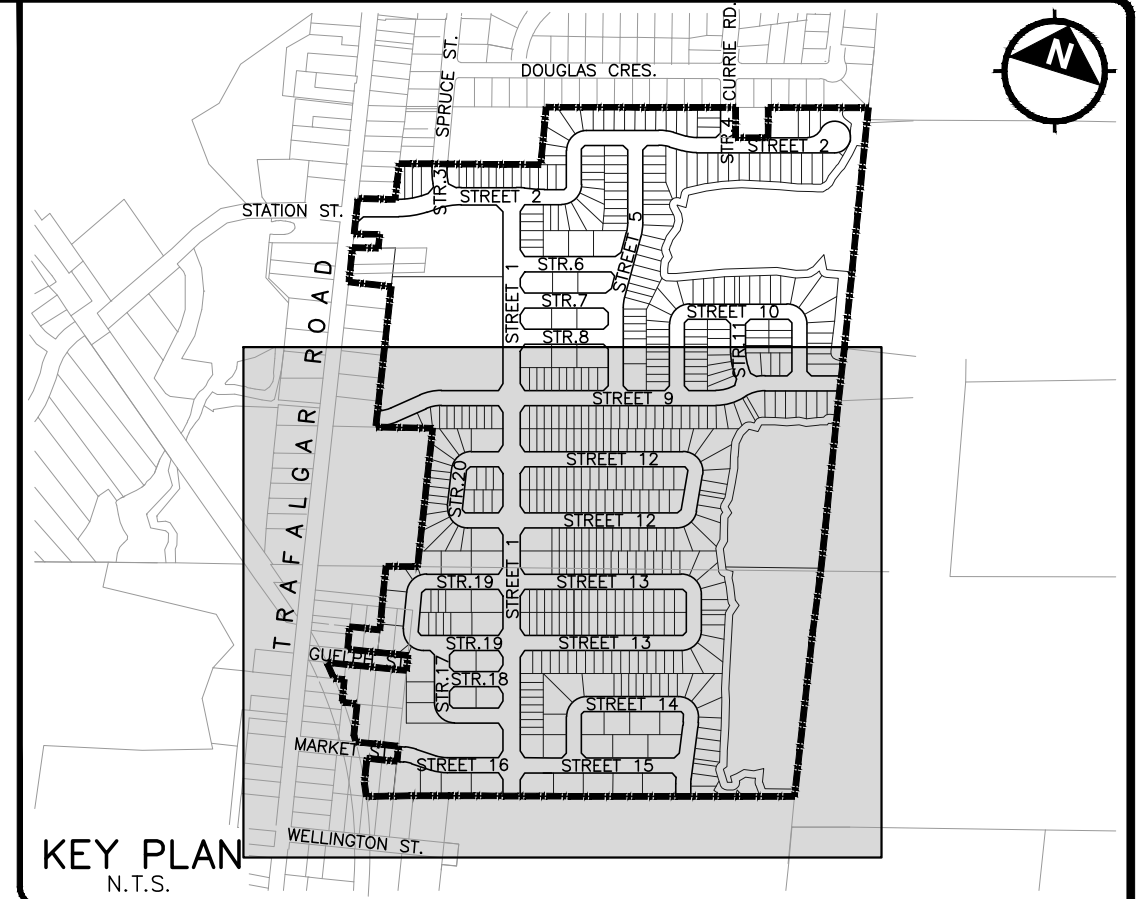
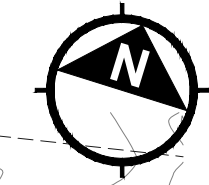
**FUNCTIONAL GRADING PLAN PART 1**

MUNICIPAL FILE:	OPA 23-01 Z23-02 23T-23003	PROJECT No:	<b>22-0020ER</b>
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DATE:	JAN. 17, 2024	DESIGNED BY:	T.D.	DWG. No.	<b>FG-01</b>
SCALE:	1:1250	DRAWN BY:	T.D.		
		CHECKED BY:	M.M.		

REFER TO DWG. FG-02

REFER TO DWG. FG-01



**LEGEND**

- DENOTES LIMIT OF DEVELOPMENT
- 189.52 DENOTES PROPOSED ELEVATION
- 190.14 DENOTES EXISTING ELEVATION
- [189.52] DENOTES FUTURE ELEVATION
- DENOTES OVERLAND FLOW ROUTE
- F DENOTES FRONT-DRAINING LOT
- S DENOTES SPLIT-DRAINING LOT
- B/S DENOTES BACK-SPLIT LOT
- W/O DENOTES WALKOUT LOT
- RW/O DENOTES REVERSE WALKOUT LOT
- DENOTES SWALE
- DENOTES REAR YARD INFILTRATION TRENCH
- DENOTES RETAINING WALL
- DENOTES BIORETENTION CELL

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FS-02	FUNCTIONAL SERVICING PLAN - PART 2
FG-01	FUNCTIONAL GRADING PLAN - PART 1
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FSC-01	FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN

SUBMISSION HISTORY		
No.	ISSUED FOR	DATE
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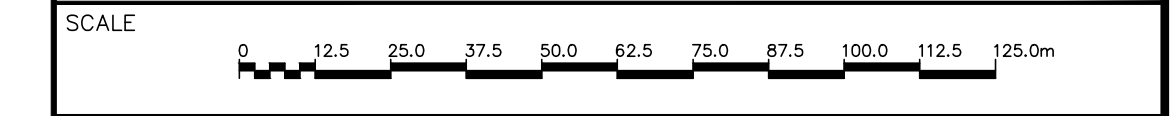
REVISIONS			
No.	DESCRIPTION	BY	DATE

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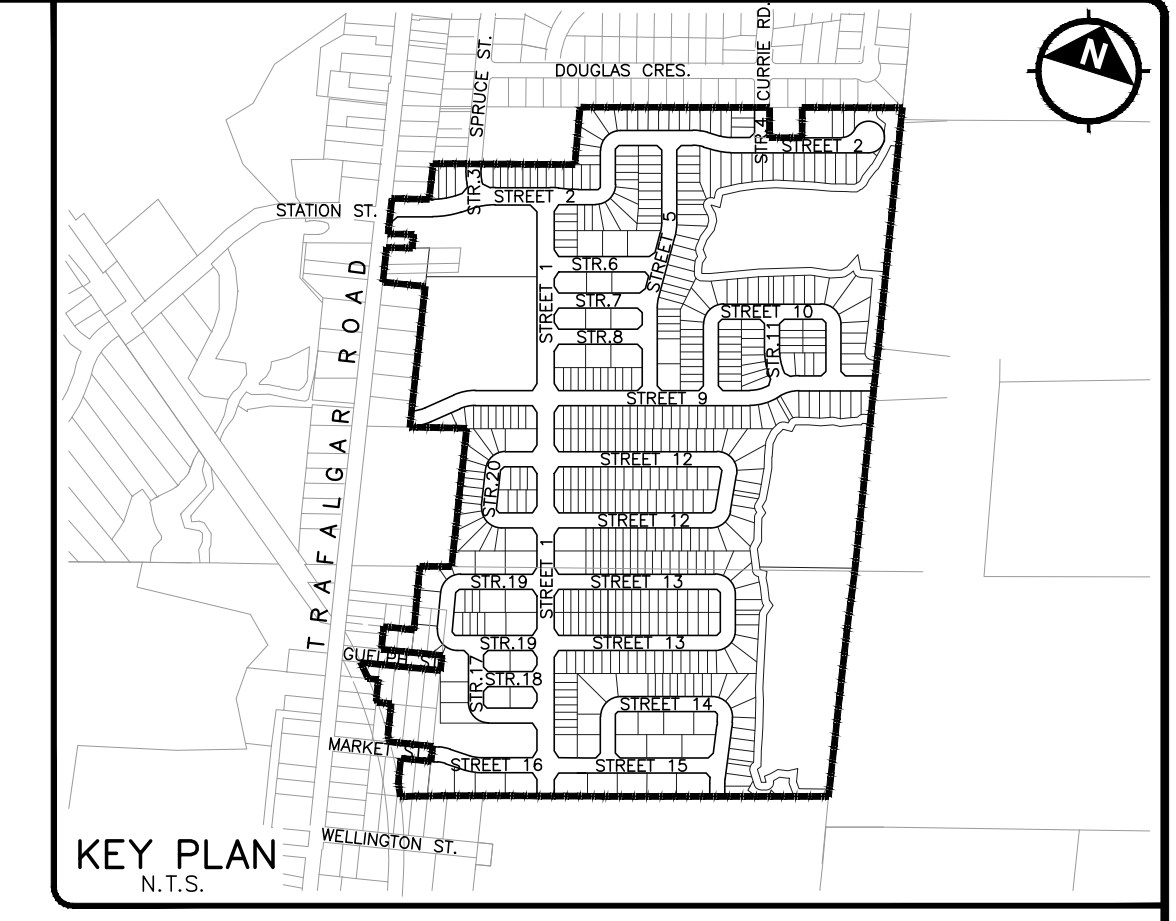
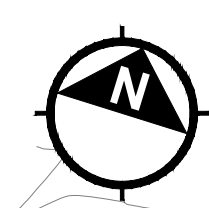
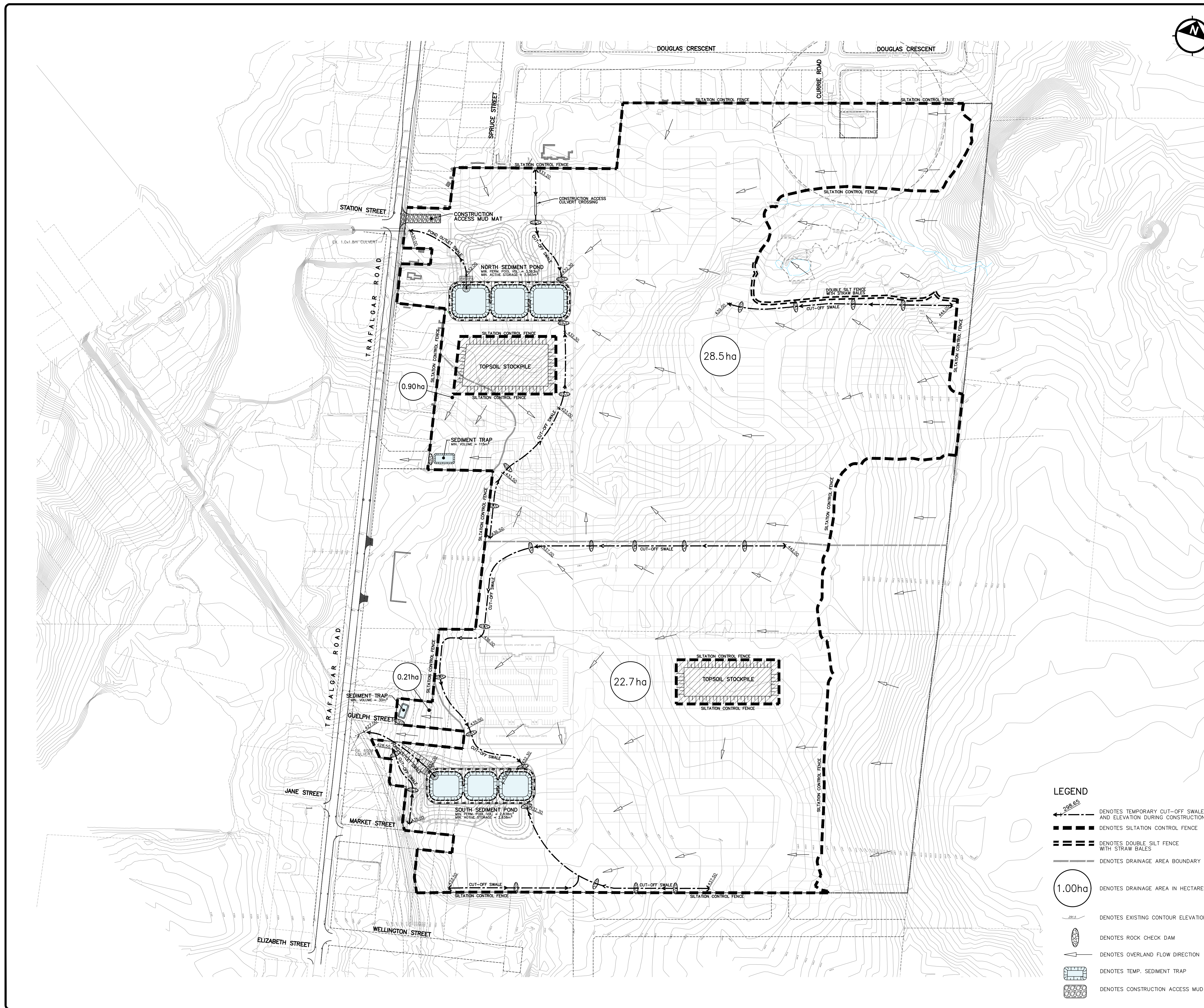


**FUNCTIONAL GRADING PLAN PART 2**

MUNICIPAL FILE:	OPA 23-01 Z23-02 23T-23003	PROJECT No:	<b>22-0020ER</b>
DATE:	JAN. 17, 2024	DESIGNED BY:	T.D.
SCALE:	1:1250	DRAWN BY:	T.D.
		CHECKED BY:	M.M.

**FG-02**





KEY PLAN  
N.T.S.

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DRAWING LIST	
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FS-02	FUNCTIONAL SERVICING PLAN – PART 2
FG-01	FUNCTIONAL GRADING PLAN – PART 1
FG-02	FUNCTIONAL GRADING PLAN – PART 2
FSC-01	FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN

SUBMISSION HISTORY		
No.	ISSUED FOR	DATE
1.	ISSUED FOR 1st SUBMISSION	MAR.1,2023
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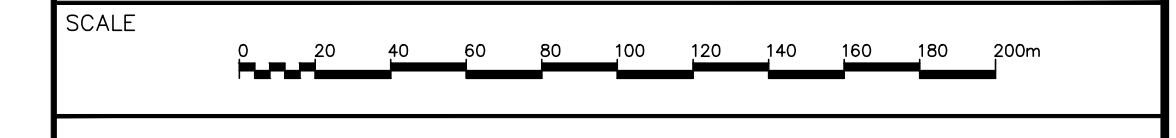
REVISIONS			
No.	DESCRIPTION	BY	DATE

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**FUNCTIONAL EROSION & SEDIMENT CONTROL PLAN**

MUNICIPAL FILE:	OPA 23-01 Z23-02 23T-23003	PROJECT No:	<b>22-0020ER</b>
DATE:	JAN. 17, 2024	DESIGNED BY:	T.D.
SCALE:	1:2000	DRAWN BY:	T.D.
		CHECKED BY:	M.M.

**FSC-01**

- LEGEND**
- DENOTES TEMPORARY CUT-OFF SWALE AND ELEVATION DURING CONSTRUCTION
  - DENOTES SILTATION CONTROL FENCE
  - DENOTES DOUBLE SILT FENCE WITH STRAW BALES
  - DENOTES DRAINAGE AREA BOUNDARY
  - DENOTES DRAINAGE AREA IN HECTARES
  - DENOTES EXISTING CONTOUR ELEVATION
  - DENOTES ROCK CHECK DAM
  - DENOTES OVERLAND FLOW DIRECTION
  - DENOTES TEMP. SEDIMENT TRAP
  - DENOTES CONSTRUCTION ACCESS MUD MAT