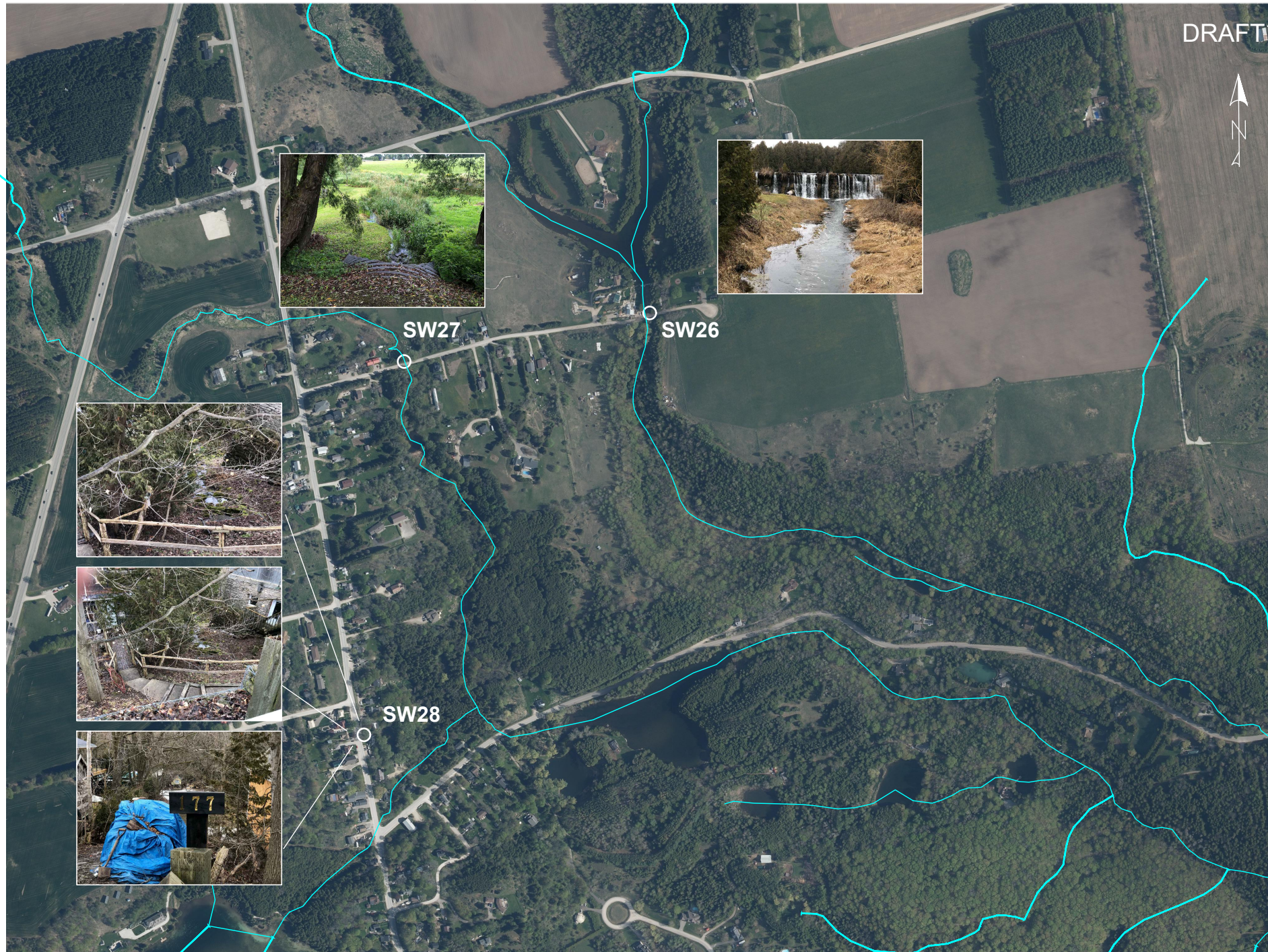


Strada - Additional Stream Flow Monitoring Stations Required

Fig H.27

DRAFT



File Date: October 3, 2024
Scale: 1:800 @ 8.5" x11"

Source: 1) May 25, 2023 Orthophoto from Dufferin county;
2) Water Course from LIO GeoHub;
3) G.Hunter March 1, 2024 Photos

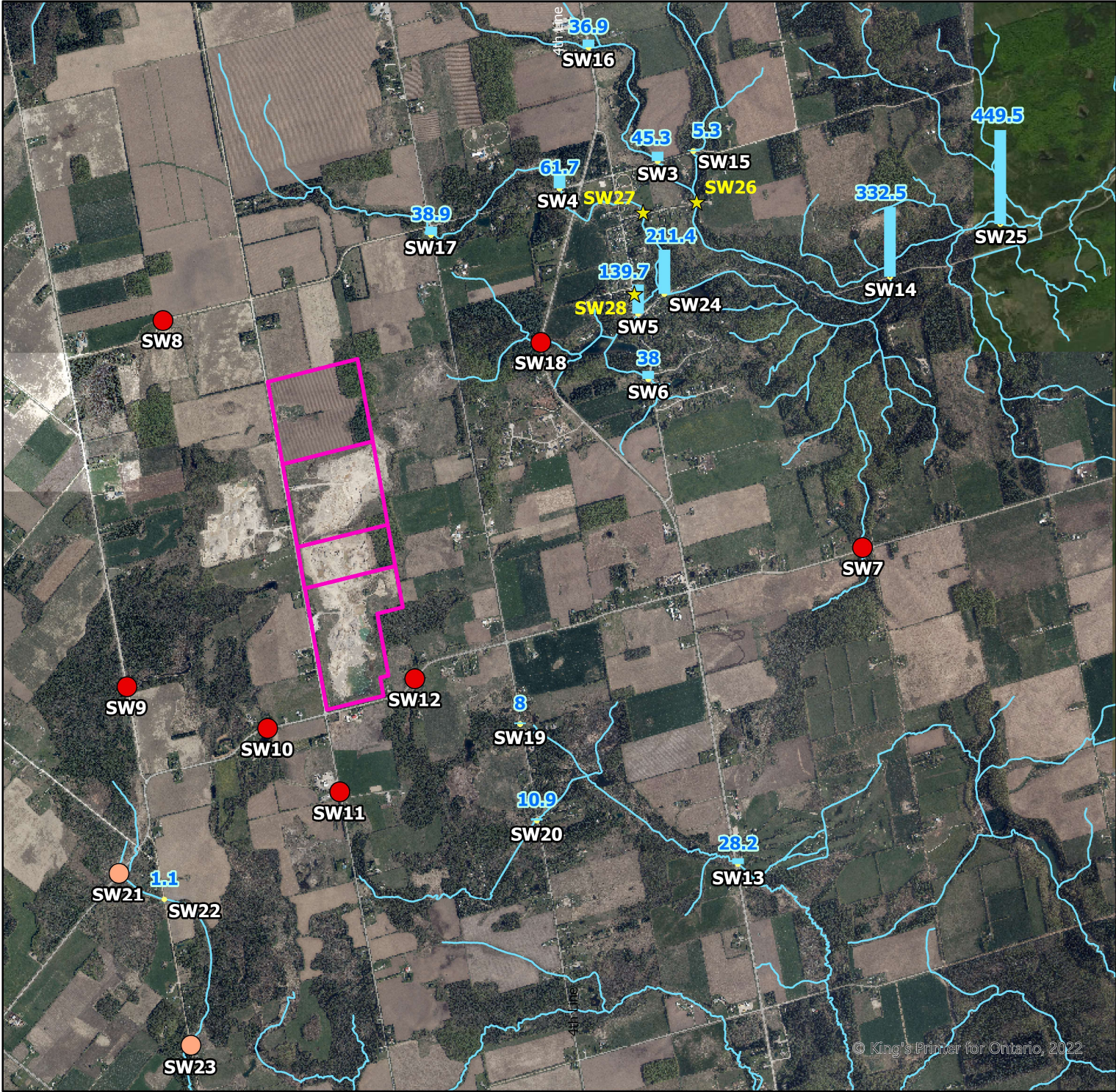
Property of

HUNTER and ASSOCIATES

Environmental and Engineering Consultants

Website: www.hunter-gis.com





Strada Proposed Quarry
DRAFT

Legend

Baseflow Rate (L/s)

August 15, 2024

Flow Rate (L/s)

400
200
0

Flow Rate <1 L/s

Dry

Additional Monitor Station Required

Strada Pits Licence Area (MHBC Planning Ltd)

OHN Watercourse

Source:

1. Strada Manual Streamflow Summary, Received on Sept 20, 2024 from NDACT
2. Table A-4 Streamflow Monitoring Network, Appendix A: Field Program Methodology, Strada Aggregates Proposed Strada Pit/Quarry, by Earthfx Inc, Aug 15, 2024
3. 2023 Orthophoto, Dufferin County
4. 2015 Orthophoto, LIO Web Map Service
5. Watercourse, LIO GeoHub

File Date: October 4, 2024
Scale: 1:40,000 @ 8.5 x 11"

0 500 1,000 2,000 Meters

N
W E
S

Table H.4

Strada Proposed Quarry
Model vs Observed Stream Flows

Geographic Location	Appendix E Model Virtual Base Flow ¹⁾ Lowest Aug. to Sept.			Strada Observed Flows Aug 15, 2024 ²⁾		Melancthon Mega Quarry Observed Flows Sept 17, 2009 ³⁾	
	Station		L/s	Station	L/s	Station	L/s
Newell Funston	STR2	Fig 3.22	0	SW17	38.9	SW8	30
15th SR	STR3	Fig 3.22	13	SW4	61.7	-	
H.M Lake	STR9	Fig 4.10	18	-		-	
Main Street	STR8	Fig 4.11	56	SW5	139.7	-	
Mill Pond R.R	STR7	Fig 4.11	85	SW24	211.4	SW9	174
Campbell 124 Cty Rd	STR1		NA	SW16	36.9	SW7	29
Campbell 15th SR	STR4		NA	SW3	45.3	-	
Honeywood 15th SR				SW15	5.3	SW14	15
Townline R.R				SW14	332.5	SW10	311
Honeywood Line R.R				SW25	449.5	-	
Pine River at Everett ⁴⁾		Fig 3.38	830	-		-	
Golf Course 124	STR14	Fig 3.18	0	SW13	28.2	-	

Note: R.R: River Road H.M: Horning's Mills NA: Not Available

Date Source:

1) Draft Impact Assessment Report, Proposed Strada Pit/Quarry, by Earthfx Inc, August 2024

2) Strada Manual Streamflow Summary, Received on Sept 20, 2024 from NDACT

3) Table E-2, Surface Water Flow Rates, The Highland Companies Proposed Melancthon Quarry Hydrogeologic and Hydrologic Assessment, Geographic Township of Melancthon, County of Dufferin, Volume 4 of 4, by Genivar Inc., January 2011

4) Appendix D Model Development and Calibration Report, Proposed Strada Pit/Quarry, by Earthfx Inc, August 2024