Stantec Consulting Ltd.
100-300 Hagey Boulevard
Waterloo ON N2L 0A4

April 30, 2026
File: 122170424

Kyle Kazda, MBA
Taggart Realty Management/1000147699 Ontario Inc
225 Metcalfe Street. Suite 708
Ottawa ON K2P 1P9

Dear Kyle Kazda,

Reference: Hydrogeological Investigation to Support Proposed Parkdale Development, Ottawa, Ontario

Taggart Realty Management has proposed the redevelopment of a block that is currently occupied by numerous commercial properties in an urban block bound by Parkdale Avenue, Armstrong Street, Hamilton Avenue, and Spencer Street in Ottawa, Ontario (the Site; Figure 1). The municipal addresses include 3 Hamilton Avenue North (which includes units 5, 7A and 7B and 340 Parkdale), and 223, 229, and 233 Armstrong Street, Ottawa Ontario. Stantec Consulting, Ltd. (Stantec) conducted a hydrogeological field investigation in support of the redevelopment, specifically to support site plan approval and construction dewatering planning. This memo is not suitable for submission for dewatering permitting.

Stantec Consulting Ltd. (Stantec) has prepared the following hydrogeological memo detailing the project details (Section 1), geology of the Site (Section 2), field investigation (Section 3), water quality review (Section 4), and preliminary dewatering considerations (Section 5). Figures and tables referenced in this letter are included in Appendix A and Appendix B, respectively. Borehole logs and hydraulic conductivity testing results are included in Appendices C and D, respectively.

1 Project Details

The redevelopment will include demolition of the existing properties and the construction of a multi-story mixed-use (commercial/community and residential) building with underground parking. Excavations to accommodate multiple levels of underground parking (up to 12 m below ground surface (BGS)) will require the removal of overburden soil and several metres of bedrock. It is anticipated that groundwater management will be required during the below-grade construction phase. The total area of the Site is approximately 0.34 hectares (0.84 acres); the footprint of the proposed building is expected to cover the entire Site. The Site is contaminated, with contaminants of concern (COC) identified at the Site being petroleum hydrocarbons (PHC), volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), and metals and inorganics (Stantec, 2025a[1]).

[1] Stantec Consulting Ltd. 2025a. Phase Two Conceptual Site Model. Prepared for Taggart Realty Management / 1000147699 Ontario Inc, April 4, 2025.

2 Geology and Stratigraphy of the Site

2.1.1 Surficial Geology

The Site is located within the Ottawa Valley Clay Plains physiographic region (Chapman and Putnam, 1984[2]). The native surficial soils in the Site consist of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain (Ontario Geological Survey (OGS), 2000[3]).

The soil profile observed by Stantec during the Phase Two Environmental Site Assessment (ESA) (Stantec, 2024[4]) was generally consistent with the profile discussed above, and consisted of up to 1.5 m of silty sand fill which was underlain by limestone bedrock.

2.1.2 Bedrock Geology

Bedrock geology in the vicinity of the Site was mapped as limestone, dolostone, shale, and sandstone of the Gull River Formation (Armstrong and Dodge, 2007[5]). Limestone bedrock was encountered at depths between 0.46 m and 1.5 m BGS during the Phase Two ESA (Stantec, 2024[4]). It was noted in previous site investigations that groundwater in the intermediate (7 m to 12 m BGS) and deep (12 m to 22 m BGS) bedrock unit was determined to flow east and northeast towards a geological fault (Golder, 2019[6]; Stantec, 2024[4]). Groundwater flow direction in the shallow (0 m to 7 m BGS) bedrock was variable (towards the west, north, and east), and either mimics the local topography or is influenced by nearby subsurface structures such as building foundations, weeping tiles and utility trenches.

3 Field Investigation

Previous site investigations classified wells into groundwater zones based on their respective depths (Stantec, 2024[4]). The shallow groundwater zone was classified as being between 0 m to 7 m BGS, the intermediate groundwater zone was classified as being between 7 m to 12 m BGS, and the deep groundwater zone was classified as being deeper than 12 m BGS. For this hydrogeological field investigation, one existing monitoring well from the shallow groundwater zone (MW14-1B) and two existing monitoring wells from the intermediate groundwater zone (MW14-1A and MW19-2B) were chosen for monitoring based on access, construction details, and bedrock fracture details. Stantec completed hydraulic conductivity testing at these three monitoring wells and conducted water level monitoring at one shallow and one intermediate monitoring well. Borehole logs are provided in Appendix C. Water from field investigations outlined in this memo were contained on-site in drums.

---

[2] Chapman L.J. and D.F. Putnam. 1984. The Physiography of Southern Ontario, 3rd Edition. Ontario Geological Survey, Special Volume 2.

[3] Ontario Geological Survey. 2000. 1:1000000 Scale Quaternary geology, seamless coverage of the Province of Ontario. Ontario Geological Survey.

[4] Stantec Consulting Ltd. 2024. Phase Two Environmental Site Assessment, Proposed Hintonburg Development, Ottawa, Ontario, Prepared for Taggart Realty Management, March 1, 2024.

[5] Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology Map of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 219.

[6] Golder Associates Ltd. 2019. April 2018 Targeted Site Wide Groundwater Monitoring, 3 Hamilton Avenue North, Ottawa, Ontario, Prepared for Honeywell Limited, May 2019.

Monitoring wells MW14-1A, MW14-1B, and MW19-12B were developed on April 28, 2025 to remove debris from the well before hydraulic conductivity testing. Due to slow water recovery at the monitoring wells, development involved purging MW14-1B and MW19-12B dry three times and purging MW14-1A once prior to hydraulic conductivity testing.

3.1.1 Hydraulic Conductivity

Hydraulic conductivity testing was completed at MW14-1A, MW14-1B, and MW19-12B on April 29, 2025 using a slug to displace water within the well, then recording the water level as it returned to static by taking manual water levels.

The hydraulic conductivity test results were analyzed using AQTESOLV for Windows Professional Version 3.5 (Duffield, 2003[7]). The Bouwer Rice (1976[8]) solution was used for the analysis. Table 1 presents the calculated hydraulic conductivity for each of the tested monitoring wells. Appendix D contains copies of the 2025 hydraulic conductivity analysis results.

The testing indicated results of:

- 1×10^{-7} m/s to 3×10^{-7} m/s for MW14-1A (intermediate groundwater zone), which is screened within dolostone and limestone.
- 6×10^{-6} m/s for MW14-1B (shallow groundwater zone), which is screened within limestone.
- 2×10^{-7} m/s for MW19-12B (intermediate groundwater zone), which is screened within bedrock.

In comparison to literature values, these measured hydraulic conductivities are within the accepted range for limestone and dolomite of 1×10^{-5} m/s to 1×10^{-9} m/s (Freeze and Cherry, 1979[9]). The geometric mean of the above slug test measurements is 6×10^{-7} m/s, and a 10 m thickness of this rock would have a very low (see Krasny, 1993[10]) transmissivity of approximately 0.5 m^2/day.

As part of the Stantec Geotechnical Investigation (Stantec, 2025b[11]), packer testing was conducted at one borehole drilled in the southern portion of the property. A double packer set-up was used to evaluate hydraulic conductivity in the following intervals: 3.5 - 5.7 m, 6.9 - 9.1 m, and 14.25 - 16.5 m BGS. Injections were performed at five different pressures at each interval, meaning that, effectively, five tests were performed at each interval. Five out of five tests were “no flow” tests (meaning that the volume of water injected was too low to be measured with the equipment on hand) in the shallowest interval, and four out of five were “no flow” tests in the deepest interval. These results suggest very low permeability of the rock at these depths. During the testing of the middle interval, water was observed to be leaking out of the top of the well casing of an adjacent monitoring well, suggesting the presence of a fracture connecting the tested borehole to the adjacent well, but also making the packer test results inadmissible.

[7] Duffield, G.M., 2009. AQTESOLV for Windows Professional Version 4.0
[8] Bouwer, H. and R.C. Rice, 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells, Water Resources Research, vol. 12, no. 3, pp. 423-428.
[9] Freeze, A.R., and Cherry, J.A. 1979 Groundwater. Prentice-Hall, Inc. Englewood Cliff, New Jersey
[10] Kransy, J. 1993. “Classification of Transmissivity Magnitude and Variation”, Groundwater: 31:2: 230-236
[11] Stantec Consulting, Ltd. 2025b. Draft Geotechnical Investigation Report – Parkdale Development at 340 Parkdale, Ottawa, Ontario. Prepared for Taggart Realty Management, August 2025.

3.1.2 Water Level Monitoring

Manual water levels were taken in support of sampling for an ongoing groundwater monitoring program at that Site between June 16, 2025 and June 18, 2025 at 16 monitoring wells (Table 1). Water levels taken over this two-day period range from 1.8 to 4.4 m BGS in the shallow bedrock rock and 3.6 m to 5.6 m BGS in the intermediate and deep bedrock.

Continuous groundwater levels were monitored at MW14-1B (shallow bedrock) from April 28, 2025 to May 26, 2025 and at MW19-12B (intermediate bedrock) from April 28 to June 26, 2025 with the use of Solinst® LT Leveloggers®, with the goal of capturing the high spring groundwater levels at the Site. The Leveloggers, consisting of a pressure transducer and datalogger, were suspended into the water column within the wells and set to record water level fluctuations at set intervals. The Levelogger installed in MW14-1B recorded at a one-minute interval and the Levelogger installed in MW19-12B was set to record at a one-hour interval.

Based on the water level data from April to June 2025, groundwater level in the shallow bedrock (MW14-1B) ranged between 3.5 m and 4.0 m BGS while groundwater level in the intermediate bedrock (MW19-12B) ranged from 3.5 m to 5.0 m BGS (Figure 2). An abrupt increase in water level occurred at both monitoring wells on May 6, 2025. Climate data shown on Figure 2 shows a rainfall event during this day, though it was smaller in magnitude than a rainfall event in April that caused a similar but smaller rise in groundwater levels. It is noted that the precipitation shown on Figure 2 was recorded at the Ottawa Airport located approximately 13 km south of the Site and therefore may not be representative of site conditions. A flood warning was issued for the Lower Ottawa River (which includes the City of Ottawa) by the Province of Ontario and various conservation authorities on May 5, 2025 due to rainfall (South Nation Conservation, 2025[12]). It is expected that high groundwater levels captured by Leveloggers at the Site on May 6, 2025 were likely due to rainfall in the area causing a regional increase in groundwater level. There were no site visits conducted by Stantec on or around that date.

Continuous groundwater monitoring at MW14-1B and MW19-12B shows some influence of precipitation events on groundwater levels. The data also suggest some variation seasonally, with a range in groundwater levels of about 2.6 m in the shallow bedrock zone and about 2 m in the intermediate bedrock zone. Previous field investigations (Stantec, 2024[4]) indicated that surfaces of the site where buildings were not present primarily comprised of paved parking areas, concrete sidewalks, asphalt rights-of-way, and a grassy courtyard area. It is expected that surface water infiltration to the subsurface would be limited to the grassy courtyard.

For the purposes of design and construction, based on the available data, spring groundwater levels should be assumed at 3.5 m BGS, with higher levels of 1 m to 2 m BGS temporarily observed following regional recharge events.

[12] South Nation Conservation, 2025, May 2025. Lower Ottawa River Flood Message. Arnprior to Hawkesbury. https://www.nation.on.ca/sites/default/files/Update_1_Ottawa%20River%20Flood%20Warning%20Statement_May%205%202025.pdf

4 Water Quality

Groundwater quality sampling was completed at 18 monitoring wells in June 2023 and 23 monitoring wells in June 2025. Water samples from the June 2023 sampling event were submitted under Ontario Regulation (O.Reg.) 153/04 for analysis of general chemistry, PHCs, dissolved metals, PAHs, and VOCs. Water samples from the June 2025 sampling event were also submitted under O.Reg. 153/04 for analysis VOCs, PHCs, and PAHs.

Available water quality data from the two sampling events listed above were compared to the City of Ottawa Sewer Use By-law (By-law No. 2025-94), to determine if discharge water generated during construction dewatering may be directed towards the municipal sanitary or storm sewer system. Water quality parameters analyzed under O.Reg. 153/04 do not necessarily include all parameters included under the City of Ottawa Sewer Use By-law. As such, this comparison is a preliminary review of water quality at the Site. Table 2 presents the water quality results, with results compared to City of Ottawa Sewer Use By-law. Based on tested parameters, there were multiple exceedances of both the sanitary and storm sewer criteria for VOCs and PAHs. At one monitoring well, there was also an exceedance of dissolved zinc.

5 Preliminary Dewatering Considerations

Under Ontario Regulation 63/16, the taking of groundwater and storm water related to construction site dewatering is a prescribed activity under the Environmental Protection Act, which, as such and subject to the eligibility requirements, must be registered on the Environmental Activity and Sector Registry (EASR). Registration is required if the taking of water is more than 50,000 litres of ground water, storm water or a combination of ground water and storm water on at least one day during the life of the construction project. Registration of the water taking activity is typically performed by the Contractor, supported by a water taking report and a discharge report, each prepared by a Qualified Person (QP). It is common for the water taking report and the discharge report to be prepared by the project owner's consultants during the design stage. The registration process is online and requires no review by Ministry of the Environment, Conservation and Parks (MECP). Water taking can start almost immediately following registration, assuming any necessary notifications have been made. If the water taking is 100 per cent storm water, it is not necessary to register the activity on the Registry, but the Contractor must still meet certain activity requirements including the requirement to retain a QP to complete a discharge report, the requirement to follow such a report, and the requirement to keep records.

As detailed in Section 3.1.2, water levels are expected to be encountered between 1.8 m and 5.6 m BGS, with water levels being variable across the Site. With the planned excavation depth of 12 m BGS and an excavation size of 60 m x 55 m, it is expected that construction dewatering will be required, as will EASR registration. Dewatering of groundwater alone is expected to be minimal (less than 100,000 L/day), absent of permeable features not characterized at the Site so far. Total pumping rates associated with dewatering will vary according to meteorological conditions and the ability of the contractor to control surface and shallow groundwater flows from entering the excavation.

Based on the groundwater quality results presented in Section 4, it is anticipated that discharge water generated during dewatering will exceed acceptable limits of VOCs, PAHs, and zinc under the City of Ottawa Sewer Use criteria. The preferred alternative for discharge of water during construction dewatering is to treat the water on-site and discharge to the City of Ottawa combined sewer through a Sewer Use Agreement. Treatment would be conducted by a mobile treatment unit with a mobile environmental

compliance approval (ECA) and discharge to the combined sewer must be in compliance with the Sewer Use Agreement. The following are additional considerations related to water management and treatment:

- Considering the relatively low permeability of the rock and the likely low flows of groundwater into the excavation, it may be worth considering methods to separate storm water, which presumably will be free of VOCs, from groundwater.
- Light Non-Aqueous Phase Liquid (LNAPL) has been observed in four wells at the Site. Dense Non-Aqueous Phase Liquid (DNAPL) has not been observed in any monitoring well on the Site (Stantec, 2025[1]). The presence of LNAPL or DNAPL within the excavation may complicate treatment and should be considered during design of the dewatering and water treatment system.
- Water quality monitoring and testing frequency must be completed in accordance with the Sewer Use Agreement and must meet the limits of the City of Ottawa By-Law 2025-94. It is anticipated that, at a minimum, a sample of the treated water will be required prior to first discharge (24-hour rush sample) for the full subset of analytical parameters provided in By-Law 2025-94. Confirmation that hourly and daily volume limits have not been exceeded may also be required, along with periodic reporting of results to the City's Water and Sewer Services group.
- If the preferred alternative cannot be used, discharge water can be contained within holding tanks and removed off-site to a licensed facility with an MECP ECA permitted to receive this water.

We trust this memo meets your current requirements. Should you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

Stantec Consulting Ltd.

Digitally signed by Healey, Allison
Date: 2026.04.30 16:28:35 -04'00'

Date: 2026.04.30 16:23:51-04'00'

Allison Healey M.Sc., P.Geo.
Hydrogeologist
Phone: 519-404-3089
allison.healey@stantec.com

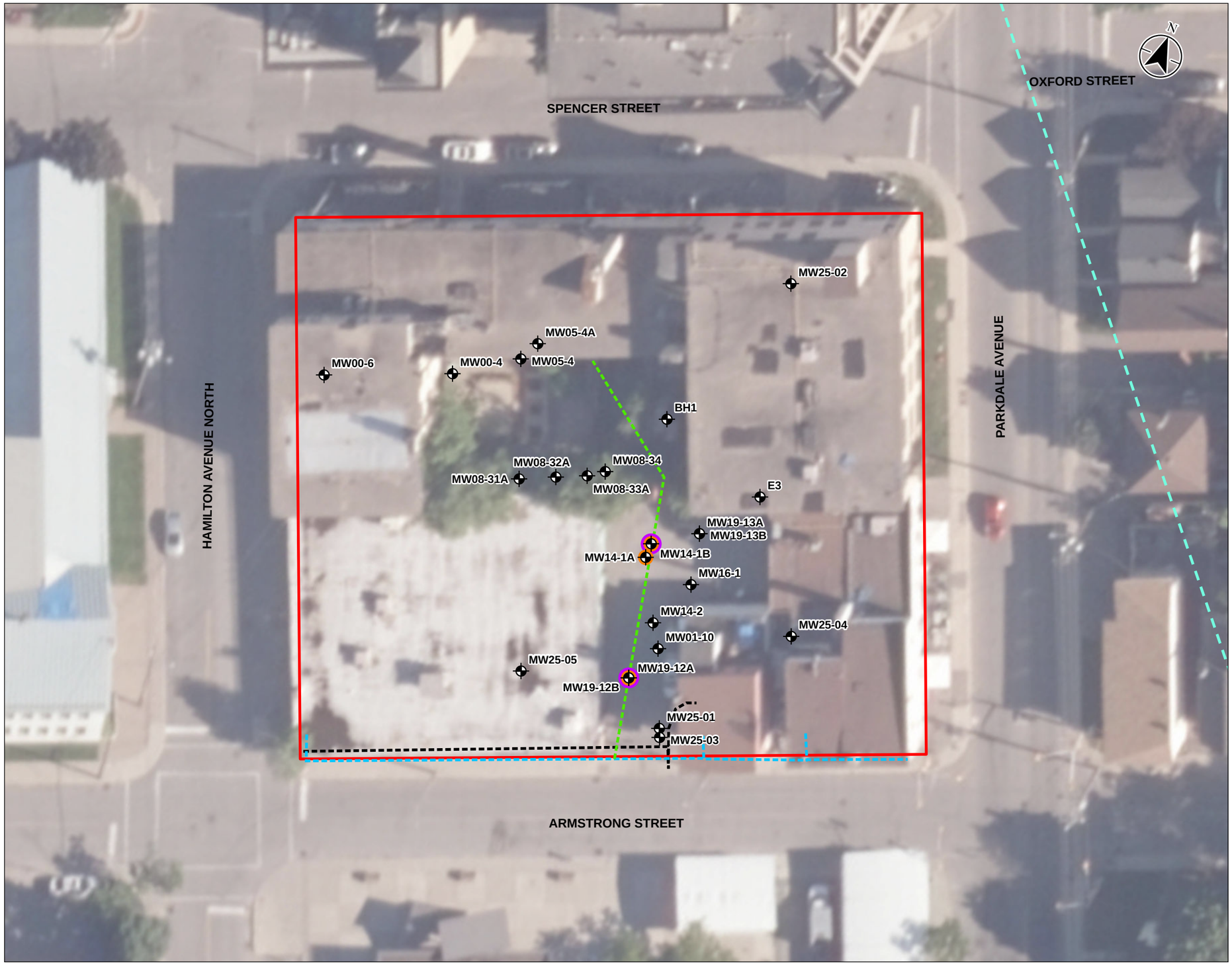
Ant West Ph.D., P.Eng.
Senior Groundwater Modeler
Phone: 613-707-6087
ant.west@stantec.com

Attachments:
Appendix A Figures
Appendix B Tables
Appendix C Borehole Logs
Appendix D Hydraulic Conductivity Testing

April 30, 2026
Kyle Kazda, MBA

Reference: **Hydrogeological Investigation to Support Proposed Parkdale Development, Ottawa, Ontario**

Appendix A Figures



Stantec

Legend

- Approximate Monitoring Well Location
- K-Test Performed
- Logger Installed
- Geological Fault
- Gas Line
- Sanitary Line
- Water Line
- Approximate Site Boundary

MW - Monitoring Well

0 10 20 metres

1:1,800,000 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2023.
3. Orthoimagery © City of Ottawa, 2024. Imagery Date, 2022.

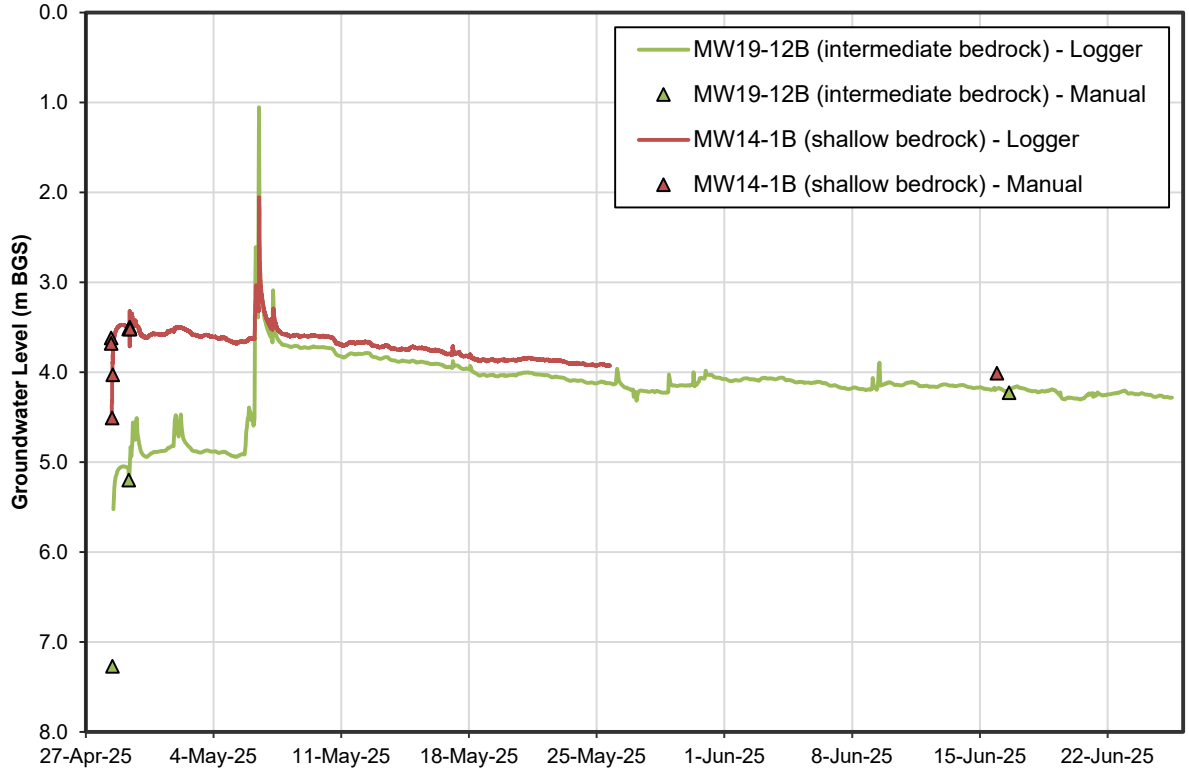
Project Location
Ottawa, ON

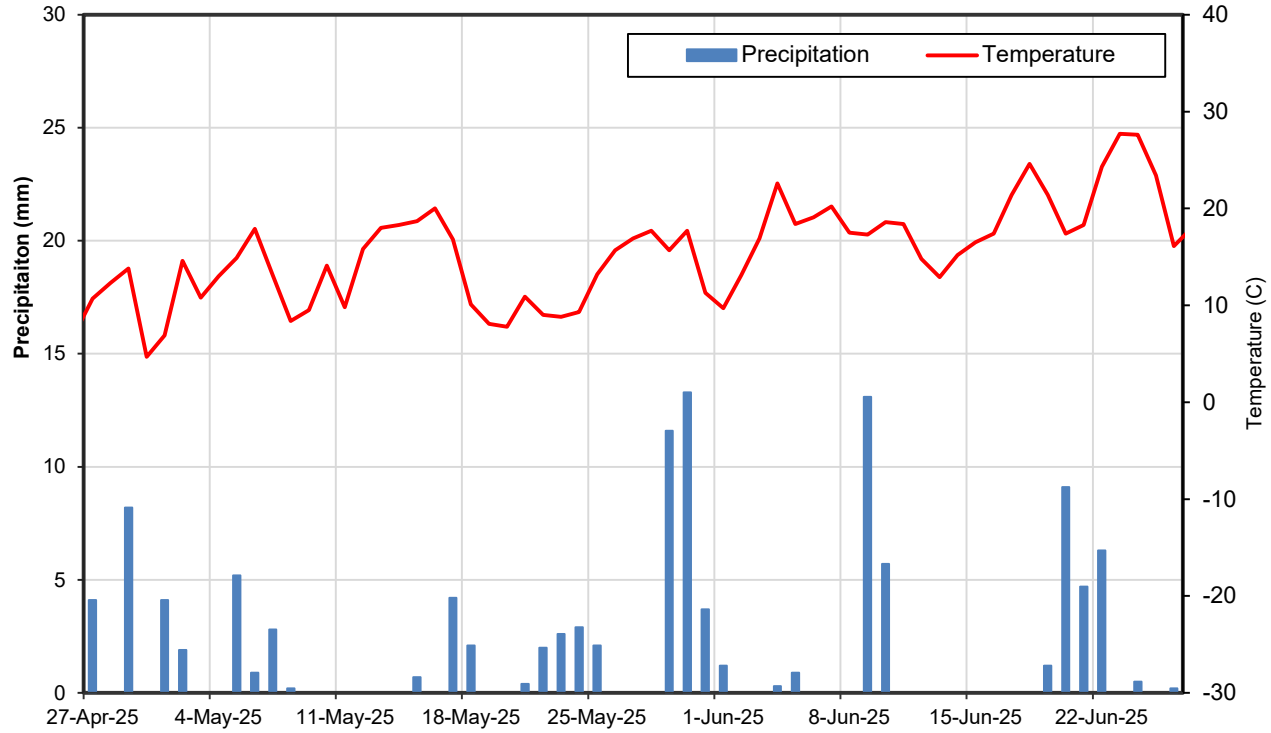
122170424 REVA
Prepared by JAS on 2025-07-11

Client/Project
Taggart Realty Management
1000147699 Ontario Inc. Proposed Hintonburg Redevelopment

Figure No.
1

Title
Site Plan





Notes:
BGS: below ground surface
Climate data provided by the Ottawa International Airport

Client/Project

Parkdale Redevelopment
Hydrogeological Investigation
Taggart Realty Management

Figure No.

2

Title

Hydrograph
MW14-1B, MW19-12B

Stantec

April 30, 2026
Kyle Kazda, MBA

Reference: **Hydrogeological Investigation to Support Proposed Parkdale Development, Ottawa, Ontario**

Appendix B Tables

Table 1
2025 Groundwater Monitoring Wells
Taggart Realty Redevelopment

Monitoring Location	Coordinates		Monitoring Date (dd-mmm-yy)	Depth Classification	Screened Interval (m BGS)	Stick up (m AGS)	Ground Surface Elevation (m ASL)	Top of Pipe Elevation (m ASL)	Water Level Elevation (m ASL)	Water Level Depth (m BTOP)	Water Level Depth (m BGS)	Hydraulic Conductivity (m/s) (Stantec, 2025)
	Easting	Northing										
BH1	442832	5027891	18-Jun-25	Deep	16.4 - 17.9	-	NS	62.37	NC	21.56	Dry	NM
E3	442843.7	5027888	16-Jun-25	Intermediate	2.5 - 11.02	-	NS	62.66	56.29	6.37	NC	NM
MW00-4	442810.2	5027888	18-Jun-25	Shallow	1.4 - 2.9	0.10	62.02	62.12	60.24	1.88	1.78	NM
MW00-6	442798.1	5027883	-	Shallow	1.67 - 3.17	-0.21	62.13	61.92	NC	NM	NC	NM
MW01-10	442839.9	5027870	17-Jun-25	Shallow	1.1 - 4.29	-0.08	62.59	62.51	60.33	2.18	2.10	NM
MW05-4	442816	5027892	18-Jun-25	Shallow	4.6 - 6.04	0.06	62.03	62.09	58.45	3.64	3.58	NM
MW05-4A	442817	5027894	18-Jun-25	Intermediate	6.2 - 9.1	0.06	62.05	62.11	56.9	5.21	5.15	NM
MW08-31A	442820.4	5027880	18-Jun-25	Shallow	3.0 - 6.0	0.82	61.98	62.80	57.55	5.25	4.43	NM
MW08-32A	442823.8	5027882	18-Jun-25	Shallow	4.0 - 6.0	0.96	62.03	62.99	58.88	4.11	3.15	NM
MW08-33A	442826.7	5027883	18-Jun-25	Shallow	4.0 - 6.0	-0.06	62.29	62.23	NC	NM	NC	NM
MW08-34	442828.2	5027884	18-Jun-25	Intermediate	3.0 - 8.8	0.09	62.26	62.35	57.05	5.30	5.21	NM
MW14-1A	442835.3	5027878	29-Apr-25	Intermediate	9.2 - 12.2	-0.09	62.58	62.49	57.63	4.86	4.77	1.0E-07
			16-Jun-25						57.28	5.21	5.12	3.00E-07
MW14-1B	442835.3	5027879	29-Apr-25	Shallow	4.2 - 7.2	-0.08	62.57	62.49	58.97	3.52	3.44	6.00E-06
			16-Jun-25						58.48	4.01	3.93	
MW14-2	442838.5	5027872	17-Jun-25	Intermediate	9.1 - 12.1	-	NS	NS	NC	6.49	Dry	NM
MW16-01	442840.6	5027877	16-Jun-25	Deep	19 - 22	-0.08	62.67	62.59	58.88	3.71	3.63	NM
MW19-12A	442838.3	5027866	17-Jun-25	Deep	15.2 - 18.3	-	63.04	NS	NC	4.19	NC	NM
MW19-12B	442838.3	5027866	29-Apr-25	Intermediate	9.1 - 12.2	-	63.04	NS	NC	5.20	NC	2.00E-07
			17-Jun-25						NC	4.23	NC	
MW19-13A	442839.4	5027882	17-Jun-25	Deep	15.3 - 18.3	-	62.66	NS	NC	NM	NC	NM
MW19-13B	442839.4	5027882	17-Jun-25	Intermediate	8.6 -11.6	-	62.66	NS	NC	NM	NC	NM
MW25-01	442843.1	5027862	17-Jun-25	Deep	9.2 - 12.3	-0.15	62.74	62.59	57.17	5.42	5.57	NM
MW25-02	442838.5	5027909	18-Jun-25	Shallow	1.6 - 4.7	-0.1	62.34	62.24	60.30	1.94	2.04	NM
MW25-03	442843.4	5027861	17-Jun-25	Shallow	1.9 - 5.0	-0.07	62.78	62.71	60.37	2.34	2.41	NM
MW25-04	442852	5027876	16-Jun-25	Shallow	1.6 - 2.7	-0.11	62.92	62.81	60.62	2.19	2.30	NM
MW25-05	442827.9	5027862	16-Jun-25	Shallow	1.9 - 5.0	-0.05	62.46	62.41	60.36	2.05	2.10	NM

Notes:

m BTOP	Metres below top of pipe
m BGS	Metres below ground surface
m ASL	Metres above sea level
m/s	Meters per second
NS	Not Surveyed
NC	Not Calcuable
NM	Not Monitored

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			BH1	E3		MW00-4		MW00-6		MW01-10				MW05-4		MW05-4A		MW08-31A		MW08-32A	
Sample Date			18-Jun-25	29-Jun-23	16-Jun-25	28-Jun-23	18-Jun-25	29-Jun-23	5-Aug-25	29-Jun-23	29-Jun-23		17-Jun-25	28-Jun-23	18-Jun-25	28-Jun-23	18-Jun-25	30-Jun-23	18-Jun-25	30-Jun-23	18-Jun-25
Sample ID			BH1	E3	E3	MW00-4	MW00-4	MW00-6	MW00-6	MW01-10	QC-02		MW01-10	MW05-4	MW05-4	MW05-4A	MW05-4A	MW08-31A	MW08-31A	MW08-32A	MW08-32A
Sampling Company			STANTEC	GGM	STANTEC	GGM	STANTEC	GGM	STANTEC	GGM	GGM		STANTEC	GGM	STANTEC	GGM	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2525382	2326467	2525069	2326467	2525382	2326467	2532120	2326467	2326467		2525246	2326467	2525382	2326467	2525382	2326529	2525382	2326529	2525382
Laboratory Sample ID			2525382-02	2326467-12	2525069-02	2326467-03	2525382-07	2326467-09	2532120-01	2326467-07	2326467-08		2525246-04	2326467-02	2525382-08	2326467-01	2525382-09	2326529-05	2525382-06	2326529-06	2525382-05
Sample Type	Units	Ottawa									Field Duplicate	RPD (%)									
General Chemistry																					
Chloride	mg/L	n/v	-	1,120	-	4	-	161	-	187	258	**32%**	-	266	-	1,150	-	201	-	164	-
Cyanide (Free)	µg/L	2,000[A] 20[B]	-	<2	-	<2	-	<2	-	<2	<2	nc	-	<2	-	<2	-	<2	-	<2	-
pH, lab	S.U.	5.5-12.0[A] 6.0-9.0[B]	-	7.3	-	8.1	-	8.0	-	8.1	7.9	3%	-	7.8	-	7.7	-	8.1	-	7.7	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	n/v	-	<25	-	<25	-	<25	804	<25	<25	nc	38,100 VX	<25	-	<25	-	<25	-	<25	14,000
PHC F2 (>C10-C16 range)	µg/L	n/v	-	359	-	<100	-	<100	<100	<100	918	nc	622,000	<100	-	<100	-	<100	-	640	897
PHC F3 (>C16-C34 range)	µg/L	n/v	-	1,170	-	<100	-	<100	<100	687	3,610	**136%**	498,000	<100	-	<100	-	<100	-	1,060	1,450
PHC F4 (>C34-C50 range)	µg/L	n/v	-	471	-	<100	-	<100	<100	616	1,730	**95%**	235,000 GA	<100	-	<100	-	<100	-	585	442
Metals, Dissolved																					
Antimony	µg/L	5,000[A]	-	<0.5	-	0.5	-	0.6	-	1.3	1.2	nc	-	<0.5	-	<0.5	-	1.4	-	<0.5	-
Arsenic	µg/L	1,000[A] 20[B]	-	4	-	<1	-	<1	-	<1	<1	nc	-	<1	-	<1	-	14	-	<1	-
Barium	µg/L	n/v	-	2,690	-	74	-	109	-	87	61	**35%**	-	817	-	156	-	54	-	100	-
Beryllium	µg/L	n/v	-	<0.5	-	<0.5	-	<0.5	-	<0.5	<0.5	nc	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Boron	µg/L	25,000[A]	-	844	-	59	-	141	-	165	161	2%	-	194	-	483	-	675	-	38	-
Cadmium	µg/L	20[A] 8[B]	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	nc	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Chromium	µg/L	5,000[A] 70[B]	-	<1	-	<1	-	<1	-	<1	<1	nc	-	<1	-	<1	-	<1	-	<1	-
Cobalt	µg/L	5,000[A]	-	0.9	-	<0.5	-	1.2	-	6.4	<0.5	nc	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Copper	µg/L	3,000[A] 40[B]	-	<0.5	-	21.0	-	4.4	-	5.8	5.9	2%	-	2.3	-	0.6	-	2.0	-	1.3	-
Lead	µg/L	5,000[A] 120[B]	-	<0.1	-	0.2	-	<0.1	-	0.1	0.1	nc	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Molybdenum	µg/L	5,000[A]	-	1.9	-	2.0	-	3.6	-	10.4	10.5	1%	-	2.8	-	2.4	-	130	-	2.5	-
Nickel	µg/L	3,000[A] 80[B]	-	2	-	2	-	2	-	10	3	nc	-	1	-	2	-	<1	-	2	-
Selenium	µg/L	5,000[A] 20[B]	-	2	-	<1	-	<1	-	2	<1	nc	-	<1	-	<1	-	<1	-	<1	-
Silver	µg/L	5,000[A] 120[B]	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	nc	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Sodium	µg/L	n/v	-	704,000	-	9,020	-	101,000	-	182,000	180,000	1%	-	121,000	-	570,000	-	425,000	-	40,600	-
Thallium	µg/L	n/v	-	<0.1	-	<0.1	-	0.4	-	0.3	0.3	nc	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Uranium	µg/L	n/v	-	0.4	-	0.2	-	0.9	-	0.6	0.6	0%	-	0.1	-	0.2	-	0.6	-	0.3	-
Vanadium	µg/L	5,000[A]	-	<0.5	-	<0.5	-	<0.5	-	<0.5	<0.5	nc	-	0.8	-	<0.5	-	<0.5	-	<0.5	-
Zinc	µg/L	3,000[A] 40[B]	-	<5	-	<5	-	<5	-	<5	<5	nc	-	<5	-	<5	-	<5	-	<5	-
Metals, Total																					
Antimony	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	1,000[A] 20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	25,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	20[A] 8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	5,000[A] 70[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	1[A] 0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	3,000[A] 80[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	5,000[A] 20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	100[A]	-	0.13	-	<0.05	-	<0.05	<0.05	<1.00	<1.00	nc	<25.0 GEN9	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Acenaphthylene	µg/L	100[A]	-	<0.05	-	<0.05	-	<0.05	<0.05	<1.00	<1.00	nc	<25.0 GEN9	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Anthracene	µg/L	n/v	-	0.05	-	<0.01	-	<0.01	<0.01	<0.20	<0.20	nc	20.2	<0.01	-	<0.01	-	<0.01	-	<0.01	<0.01
Benzo(a)anthracene	µg/L	n/v	-	0.10	-	<0.01	-	<0.01	<0.01	3.64	5.38	**39%**	53.9	<0.01	-	<0.01	-	<0.01	-	<0.01	<0.01
Benzo(a)pyrene	µg/L	n/v	-	0.07	-	<0.01	-	<0.01	<0.01	<0.20	<0.20	nc	41.6	<0.01	-	<0.01	-	<0.01	-	<0.01	<0.01
Benzo(b)fluoranthene	µg/L	n/v	-	0.05	-	<0.05	-	<0.05	<0.05	<1.00	5.08	nc	65.7	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Benzo(g,h,i)perylene	µg/L	n/v	-	<0.05	-	<0.05	-	<0.05	<0.05	2.82	2.87	nc	<25.0 GEN9	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Benzo(k)fluoranthene	µg/L	n/v	-	<0.05	-	<0.05	-	<0.05	<0.05	<1.00	1.84	nc	27.2	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Chrysene	µg/L	n/v	-	0.07	-	<0.05	-	<0.05	<0.05	3.31	5.05	nc	82.4	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Dibenzo(a,h)anthracene	µg/L	n/v	-	<0.05	-	<0.05	-	<0.05	<0.05	<1.00	<1.00	nc	<25.0 GEN9	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Fluoranthene	µg/L	n/v	-	0.22	-	<0.01	-	<0.01	<0.01	7.64	13.7	**57%**	165	<0.01	-	<0.01	-	<0.01	-	<0.01	0.02
Fluorene	µg/L	100[A]	-	<0.05	-	<0.05	-	<0.05	<0.05	<1.00	<1.00	nc	32.3	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/L	n/v	-	<0.05	-	<0.05	-	<0.05	<0.05	2.11	2.60	nc	35.7	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Methylnaphthalene (Total)	µg/L	100[A]	-	0.95	-	<0.10	-	<0.10	<0.10	<2.00	37.3	nc	**524[A]**	<0.10	-	<0.10	-	<0.10	-	<0.10	<0.10
Methylnaphthalene, 1-	µg/L	100[A]	-	0.43	-	<0.05	-	<0.05	<0.05	<1.00	13.6	nc	**195[A]**	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Methylnaphthalene, 2-	µg/L	100[A]	-	0.53	-	<0.05	-	<0.05	<0.05	<1.00	23.7	nc	**330[A]**	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Naphthalene	µg/L	100[A]	-	0.79	-	<0.05	-	<0.05	<0.05	<1.00	35.6	nc	<25.0 GEN9	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Phenanthrene	µg/L	n/v	-	0.34	-	<0.05	-	<0.05	<0.05	<1.00	18.4	nc	234	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Pyrene	µg/L	n/v	-	0.20	-	<0.01	-	<0.01	<0.01	6.07	10.6	**54%**	118	<0.01	-	<0.01	-	<0.01	-	<0.01	0.02

See notes on last page.

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			BH1	E3		MW00-4		MW00-6		MW01-10				MW05-4		MW05-4A		MW08-31A		MW08-32A	
Sample Date			18-Jun-25	29-Jun-23	16-Jun-25	28-Jun-23	18-Jun-25	29-Jun-23	5-Aug-25	29-Jun-23	29-Jun-23		17-Jun-25	28-Jun-23	18-Jun-25	28-Jun-23	18-Jun-25	30-Jun-23	18-Jun-25	30-Jun-23	18-Jun-25
Sample ID			BH1	E3	E3	MW00-4	MW00-4	MW00-6	MW00-6	MW01-10	QC-02		MW01-10	MW05-4	MW05-4	MW05-4A	MW05-4A	MW08-31A	MW08-31A	MW08-32A	MW08-32A
Sampling Company			STANTEC	GGM	STANTEC	GGM	STANTEC	GGM	STANTEC	GGM	GGM		STANTEC	GGM	STANTEC	GGM	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2525382	2326467	2525069	2326467	2525382	2326467	2532120	2326467	2326467		2525246	2326467	2525382	2326467	2525382	2326529	2525382	2326529	2525382
Laboratory Sample ID			2525382-02	2326467-12	2525069-02	2326467-03	2525382-07	2326467-09	2532120-01	2326467-07	2326467-08		2525246-04	2326467-02	2525382-08	2326467-01	2525382-09	2326529-05	2525382-06	2326529-06	2525382-05
Sample Type	Units	Ottawa									Field Duplicate	RPD (%)									
Volatile Organic Compounds																					
Acetone	µg/L	5,000[A]	<5.0	**12,600[A]**	26.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	10[A] 2[B]	<0.5	**297[AB]**	<0.5	<0.5	**6.2[B]**	<0.5	**4.6[B]**	<0.5	<0.5	nc	**3.8[B]**	**19.1[AB]**	1.0	<0.5	1.5	**371[AB]**	**1,040[AB]**	**3.1[B]**	**44.5[AB]**
Bromodichloromethane	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	100[A]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	100[A] 2[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	100[A] 5.6[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	100[A] 6.8[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	100[A]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	10[A]	<0.5	7.0	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	2.1	nc	**34.8[A]**	5.9	1.2	<0.5	1.8	<0.5	**13.4[A]**	<0.5	**50.3[A]**
Dichloroethene, cis-1,2-	µg/L	100[A] 5.6[B]	<0.5	**16,300[AB]**	**59.1[B]**	**65.8[B]**	**87.5[B]**	**27.1[B]**	**4,380[AB]**	**718[AB]**	**1,680[AB]**	**80%**	**62,200[AB]**	**10,700[AB]**	**5,710[AB]**	**189[AB]**	**1,130[AB]**	**62.6[B]**	**12,100[AB]**	**897[AB]**	**78,900[AB]**
Dichloroethene, trans-1,2-	µg/L	100[A]	<0.5	**137[A]**	5.8	8.9	3.9	<0.5	11.4	10.0	17.6	**55%**	**272[A]**	48.8	29.4	3.3	7.2	9.1	**119[A]**	8.4	**570[A]**
Dichloropropane, 1,2-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	100[A] 5.6[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	100[A] 2[B]	<0.5	**18.5[B]**	**13.0[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.4[B]**	nc	<0.5	**2.2[B]**	<0.5	<0.5	<0.5	1.9	**2.5[B]**	1.7	**36.7[B]**
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	100[A]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	100[A]	<5.0	**162[A]**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	100[A]	<5.0	19.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	100[A]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	100[A] 5.2[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	100[A] 4.4[B]	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	100[A] 4.4[B]	0.6	**108[AB]**	4.2	3.3	<0.5	**15.9[B]**	**426[AB]**	**592[AB]**	**6,510[AB]**	**167%**	**109,000[AB]**	1.2	**9.1[B]**	**4.6[B]**	**9.9[B]**	2.0	<0.5	**23.0[B]**	**67.6[B]**
Toluene	µg/L	100[A] 2[B]	<0.5	**544[AB]**	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	**2.8[B]**	nc	**114[AB]**	**5.6[B]**	0.8	<0.5	0.6	**31.2[B]**	**101[AB]**	**2.3[B]**	**79.2[B]**
Trichloroethane, 1,1,1-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	100[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	µg/L	100[A] 7.6[B]	<0.5	**983[AB]**	**20.7[B]**	1.4	<0.5	5.5	**232[AB]**	**141[AB]**	**1,120[AB]**	**155%**	**53,700[AB]**	3.0	**13.2[B]**	**25.6[B]**	**168[AB]**	0.6	<0.5	**20.8[B]**	**148[AB]**
Trichlorofluoromethane (Freon 11)	µg/L	100[A]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	10[A]	<0.5	**12,800[A]**	**101[A]**	**18.8[A]**	**97.3[A]**	3.1	**1,320[A]**	**11.1[A]**	**170[A]**	nc	**4,160[A]**	**2,400[A]**	8.5	**55.0[A]**	**161[A]**	**344[A]**	**2,210[A]**	**293[A]**	**4,190[A]**
Xylene, m & p-	µg/L	n/v	<0.5	40.8	11.4	<0.5	<0.5	<0.5	<0.5	<0.5	6.8	nc	<0.5	1.3	<0.5	<0.5	<0.5	1.2	1.7	1.7	20.0
Xylene, o-	µg/L	n/v	<0.5	20.1	16.1	<0.5	<0.5	<0.5	<0.5	<0.5	5.9	nc	<0.5	0.7	<0.5	<0.5	<0.5	0.5	<0.5	0.5	4.8
Xylenes, Total	µg/L	100[A] 4.4[B]	<0.5	**60.9[B]**	**23.6[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	**12.8[B]**	nc	<0.5	2.0	<0.5	<0.5	<0.5	1.8	1.7	2.2	**24.8[B]**

See notes on last page.

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			MW08-33A				MW08-34		MW14-1A		MW14-1B				MW14-2		MW16-01	MW16-1	MW19-12A	
Sample Date			30-Jun-23	18-Jun-25	18-Jun-25		30-Jun-23	18-Jun-25	30-Jun-23	16-Jun-25	30-Jun-23	16-Jun-25	16-Jun-25		29-Jun-23	17-Jun-25	29-Jun-23	16-Jun-25	29-Jun-23	17-Jun-25
Sample ID			MW08-33A	MW08-33A	QC-02		MW08-34	MW08-34	MW14-1A	MW14-1A	MW14-1B	MW14-1B	QC-01		MW14-2	MW14-2	MW16-01	MW16-1	MW19-12A	MW19-12A
Sampling Company			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		GGM	STANTEC	GGM	STANTEC	GGM	STANTEC
Laboratory			PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2326529	2525382	2525382		2326529	2525382	2326529	2525069	2326529	2525069	2525069		2326467	2525246	2326467	2525069	2326467	2525246
Laboratory Sample ID			2326529-07	2525382-04	2525382-10		2326529-08	2525382-03	2326529-03	2525069-05	2326529-04	2525069-04	2525069-07		2326467-10	2525246-03	2326467-11	2525069-03	2326467-04	2525246-05
Sample Type	Units	Ottawa			Field Duplicate	RPD (%)							Field Duplicate	RPD (%)						
General Chemistry																				
Chloride	mg/L	n/v	565	-	-	-	801	-	916	-	609	-	-	-	1,670	-	568	-	3,190	-
Cyanide (Free)	µg/L	2,000[A] 20[B]	<2	-	-	-	<2	-	<2	-	<2	-	-	-	<2	-	<2	-	<2	-
pH, lab	S.U.	5.5-12.0[A] 6.0-9.0[B]	7.8	-	-	-	7.8	-	7.0	-	7.0	-	-	-	7.6	-	7.9	-	7.5	-
Petroleum Hydrocarbons																				
PHC F1 (C6-C10 range) minus BTEX	µg/L	n/v	<125,000	-	-	-	<25	-	<25	-	<125,000	14,400 VX	13,900 VX	4%	<25	-	<25	-	<25	-
PHC F2 (>C10-C16 range)	µg/L	n/v	<100	-	-	-	<100	-	513	-	63,600	<100	833	nc	<100	-	<100	-	<100	-
PHC F3 (>C16-C34 range)	µg/L	n/v	<100	-	-	-	217	-	2,720	-	6,700	<100	617	nc	<100	-	<100	-	<100	-
PHC F4 (>C34-C50 range)	µg/L	n/v	<100	-	-	-	200	-	1,410	-	39,100	<100	560	nc	<100	-	<100	-	<100	-
Metals, Dissolved																				
Antimony	µg/L	5,000[A]	8.0	-	-	-	<0.5	-	0.9	-	0.7	-	-	-	<0.5	-	6.0	-	<0.5	-
Arsenic	µg/L	1,000[A] 20[B]	4	-	-	-	<1	-	<1	-	<1	-	-	-	<1	-	17	-	3	-
Barium	µg/L	n/v	51	-	-	-	231	-	543	-	205	-	-	-	603	-	76	-	708	-
Beryllium	µg/L	n/v	<0.5	-	-	-	<0.5	-	<0.5	-	<0.5	-	-	-	<0.5	-	<0.5	-	<0.5	-
Boron	µg/L	25,000[A]	1,840	-	-	-	229	-	199	-	153	-	-	-	667	-	992	-	1,160	-
Cadmium	µg/L	20[A] 8[B]	0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-
Chromium	µg/L	5,000[A] 70[B]	<1	-	-	-	<1	-	<1	-	<1	-	-	-	<1	-	<1	-	<1	-
Cobalt	µg/L	5,000[A]	8.8	-	-	-	<0.5	-	0.8	-	0.7	-	-	-	<0.5	-	0.7	-	<0.5	-
Copper	µg/L	3,000[A] 40[B]	3.8	-	-	-	<0.5	-	1.8	-	1.3	-	-	-	0.8	-	<0.5	-	1.5	-
Lead	µg/L	5,000[A] 120[B]	0.2	-	-	-	<0.1	-	<0.1	-	0.1	-	-	-	0.2	-	<0.1	-	<0.1	-
Molybdenum	µg/L	5,000[A]	13.7	-	-	-	0.7	-	1.4	-	1.4	-	-	-	<0.5	-	0.6	-	5.4	-
Nickel	µg/L	3,000[A] 80[B]	59	-	-	-	1	-	3	-	3	-	-	-	1	-	16	-	2	-
Selenium	µg/L	5,000[A] 20[B]	<1	-	-	-	<1	-	<1	-	<1	-	-	-	1	-	5	-	<1	-
Silver	µg/L	5,000[A] 120[B]	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-
Sodium	µg/L	n/v	445,000	-	-	-	424,000	-	293,000	-	293,000	-	-	-	632,000	-	1,230,000	-	1,250,000	-
Thallium	µg/L	n/v	0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-
Uranium	µg/L	n/v	14.2	-	-	-	0.3	-	0.1	-	0.7	-	-	-	0.1	-	0.1	-	5.8	-
Vanadium	µg/L	5,000[A]	3.1	-	-	-	<0.5	-	<0.5	-	1.5	-	-	-	1.5	-	21.3	-	0.6	-
Zinc	µg/L	3,000[A] 40[B]	**118[B]**	-	-	-	<5	-	<5	-	9	-	-	-	<5	-	<5	-	<5	-
Metals, Total																				
Antimony	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	1,000[A] 20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	25,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	20[A] 8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	5,000[A] 70[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	1[A] 0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	3,000[A] 80[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	5,000[A] 20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	100[A]	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	<0.05	nc	<0.25	-	<0.05	-	<0.05	-
Acenaphthylene	µg/L	100[A]	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	<0.05	nc	<0.25	-	<0.05	-	<0.05	-
Anthracene	µg/L	n/v	<0.01	-	-	-	<0.01	-	<0.01	-	2.72	<0.20 GEN9	0.03	nc	0.45	-	<0.01	-	<0.01	-
Benzo(a)anthracene	µg/L	n/v	<0.01	-	-	-	<0.01	-	<0.01	-	1.33	0.24	0.05	nc	0.93	-	<0.01	-	<0.01	-
Benzo(a)pyrene	µg/L	n/v	<0.01	-	-	-	<0.01	-	<0.01	-	0.86	<0.20 GEN9	0.04	nc	0.98	-	<0.01	-	<0.01	-
Benzo(b)fluoranthene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	0.06	nc	1.56	-	<0.05	-	<0.05	-
Benzo(g,h,i)perylene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	1.03	<1.00 GEN9	<0.05	nc	1.48	-	<0.05	-	<0.05	-
Benzo(k)fluoranthene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	<0.05	nc	0.64	-	<0.05	-	<0.05	-
Chrysene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	0.07	nc	0.99	-	<0.05	-	<0.05	-
Dibenzo(a,h)anthracene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	<0.05	nc	0.27	-	<0.05	-	<0.05	-
Fluoranthene	µg/L	n/v	<0.01	-	-	-	<0.01	-	0.13	-	1.89	0.42	0.13	nc	2.09	-	0.02	-	<0.01	-
Fluorene	µg/L	100[A]	<0.05	-	-	-	<0.05	-	<0.05	-	1.11	<1.00 GEN9	0.07	nc	<0.25	-	<0.05	-	<0.05	-
Indeno(1,2,3-cd)pyrene	µg/L	n/v	<0.05	-	-	-	<0.05	-	<0.05	-	<1.00	<1.00 GEN9	<0.05	nc	0.85	-	<0.05	-	<0.05	-
Methylnaphthalene (Total)	µg/L	100[A]	0.38	-	-	-	<0.10	-	1.52	-	15.9	<2.00 GEN9	1.01	nc	<0.50	-	<0.10	-	<0.10	-
Methylnaphthalene, 1-	µg/L	100[A]	0.38	-	-	-	<0.05	-	0.52	-	5.18	<1.00 GEN9	0.37	nc	<0.25	-	<0.05	-	<0.05	-
Methylnaphthalene, 2-	µg/L	100[A]	<0.05	-	-	-	<0.05	-	1.00	-	10.7	1.09	0.64	nc	0.30	-	<0.05	-	<0.05	-
Naphthalene	µg/L	100[A]	1.78	-	-	-	<0.05	-	2.51	-	21.0	7.39	4.74	**44%**	<0.25	-	<0.05	-	<0.05	-
Phenanthrene	µg/L	n/v	<0.05	-	-	-	<0.05	-	0.33	-	4.24	<1.00 GEN9	0.16	nc	1.35	-	<0.05	-	<0.05	-
Pyrene	µg/L	n/v	0.05	-	-	-	<0.01	-	<0.01	-	2.09	0.29	0.11	nc	1.82	-	<0.01	-	<0.01	-

See notes on last page.

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			MW08-33A				MW08-34		MW14-1A		MW14-1B				MW14-2		MW16-01	MW16-1	MW19-12A	
Sample Date			30-Jun-23	18-Jun-25	18-Jun-25		30-Jun-23	18-Jun-25	30-Jun-23	16-Jun-25	30-Jun-23	16-Jun-25	16-Jun-25		29-Jun-23	17-Jun-25	29-Jun-23	16-Jun-25	29-Jun-23	17-Jun-25
Sample ID			MW08-33A	MW08-33A	QC-02		MW08-34	MW08-34	MW14-1A	MW14-1A	MW14-1B	MW14-1B	QC-01		MW14-2	MW14-2	MW16-01	MW16-1	MW19-12A	MW19-12A
Sampling Company			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		GGM	STANTEC	GGM	STANTEC	GGM	STANTEC
Laboratory			PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2326529	2525382	2525382		2326529	2525382	2326529	2525069	2326529	2525069	2525069		2326467	2525246	2326467	2525069	2326467	2525246
Laboratory Sample ID			2326529-07	2525382-04	2525382-10		2326529-08	2525382-03	2326529-03	2525069-05	2326529-04	2525069-04	2525069-07		2326467-10	2525246-03	2326467-11	2525069-03	2326467-04	2525246-05
Sample Type	Units	Ottawa			Field Duplicate	RPD (%)							Field Duplicate	RPD (%)						
Volatile Organic Compounds																				
Acetone	µg/L	5,000[A]	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	2,230	<5.0	***<25,000***	<5.0	<5.0	nc	<5.0	24.9	3,250	<5.0	<5.0	<5.0
Benzene	µg/L	10[A] 2[B]	***<2,500***	**1,980[AB]**	**1,400[AB]**	nc	**2.6[B]**	**2.3[B]**	**31.6[AB]**	**67.1[AB]**	***<2,500***	**99.8[AB]**	**112[AB]**	12%	1.7	0.9	2.0	0.7	**16.8[AB]**	**12.2[AB]**
Bromodichloromethane	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	100[A]	***<1,000***	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	100[A]	***<2,500***	0.6	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	100[A] 2[B]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	100[A] 5.6[B]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	100[A] 6.8[B]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	100[A]	***<5,000***	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	100[A]	***<2,500***	<0.5	**190[A]**	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	10[A]	***<2,500***	**151[A]**	<0.5	nc	0.7	2.2	**20.0[A]**	**80.9[A]**	***<2,500***	**125[A]**	**130[A]**	nc	<0.5	0.9	<0.5	<0.5	7.5	6.1
Dichloroethene, cis-1,2-	µg/L	100[A] 5.6[B]	**118,000[AB]**	**78,800[AB]**	**69,400[AB]**	13%	**2,000 VOCL[AB]**	**4,920[AB]**	**17,000[AB]**	**70,200[AB]**	**95,000[AB]**	**78,800[AB]**	**72,200[AB]**	9%	**282[AB]**	**1,240[AB]**	**13.6[B]**	<0.5	**31,400[AB]**	**13,500[AB]**
Dichloroethene, trans-1,2-	µg/L	100[A]	***<2,500***	**592[A]**	**512[A]**	14%	14.0	32.3	**153[A]**	**172[A]**	***<2,500***	**510[A]**	**515[A]**	nc	6.6	2.3	6.0	5.8	**242[A]**	**343[A]**
Dichloropropane, 1,2-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	<2,500	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	100[A] 5.6[B]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	100[A] 2[B]	***<2,500***	**33.9[B]**	**31.5[B]**	7%	0.6	0.9	**63.6[B]**	**132[AB]**	***<2,500***	**145[AB]**	**152[AB]**	nc	<0.5	<0.5	<0.5	<0.5	1.9	**5.5[B]**
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	100[A]	***<1,000***	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	<5,000	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<5,000	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	100[A]	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	**115[A]**	<5.0	***<25,000***	<5.0	<5.0	nc	<5.0	8.1	**167[A]**	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	100[A]	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	100[A]	***<10,000***	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	***<10,000***	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	100[A] 5.2[B]	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	100[A] 4.4[B]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	100[A] 4.4[B]	**29,800[AB]**	**18,700[AB]**	**20,000[AB]**	nc	**39.9[B]**	2.0	**7,020[AB]**	**2,720[AB]**	**154,000[AB]**	**19,100[AB]**	**20,200[AB]**	6%	**13.7[B]**	**8.4[B]**	**12.3[B]**	<0.5	**12.1[B]**	**995[AB]**
Toluene	µg/L	100[A] 2[B]	***<2,500***	**1,520[AB]**	**1,120[AB]**	nc	1.7	**4.4[B]**	**230[AB]**	**285[AB]**	***<2,500***	**503[AB]**	**522[AB]**	nc	<0.5	<0.5	1.9	<0.5	**14.3[B]**	<0.5
Trichloroethane, 1,1,1-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	100[A]	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	µg/L	100[A] 7.6[B]	**22,000[AB]**	**25,700[AB]**	**23,100[AB]**	nc	**16.0[B]**	**19.7[B]**	**3,440[AB]**	**1,720[AB]**	**24,800[AB]**	**28,100[AB]**	**25,400[AB]**	10%	4.7	5.6	4.1	<0.5	**48.3[B]**	**154[AB]**
Trichlorofluoromethane (Freon 11)	µg/L	100[A]	***<5,000***	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	10[A]	***<2,500***	**4,590[A]**	**4,930[A]**	7%	**274 VOCL[A]**	**1,060[A]**	**4,520[A]**	**12,300[A]**	***<2,500***	**10,800[A]**	**10,600[A]**	2%	**285[A]**	<0.5	<0.5	<0.5	**6,020[A]**	**3,950[A]**
Xylene, m & p-	µg/L	n/v	<2,500	56.2	85.8	**42%**	0.6	<0.5	120	127	<2,500	225	242	nc	<0.5	<0.5	<0.5	<0.5	3.9	12.2
Xylene, o-	µg/L	n/v	<2,500	71.9	59.8	18%	<0.5	<0.5	66.1	59.7	<2,500	81.0	116	**36%**	<0.5	<0.5	<0.5	<0.5	2.7	6.3
Xylenes, Total	µg/L	100[A] 4.4[B]	***<2,500***	**128[AB]**	**146[AB]**	13%	0.6	<0.5	**186[AB]**	**187[AB]**	***<2,500***	**306[AB]**	**358[AB]**	16%	<0.5	<0.5	<0.5	<0.5	**6.7[B]**	**18.4[B]**

See notes on last page.

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			MW19-12B				MW19-13A		MW19-13B		MW25-01	MW25-02	MW25-03	MW25-04	MW25-05	TB-01	FIELD BLANK		TRIP BLANK		
Sample Date			29-Jun-23	29-Jun-23		17-Jun-25	30-Jun-23	17-Jun-25	30-Jun-23	17-Jun-25	17-Jun-25	18-Jun-25	17-Jun-25	16-Jun-25	16-Jun-25	31-Jul-25	30-Jun-23	17-Jun-25	20-Jun-23	12-Jun-25	12-Jun-25
Sample ID			MW19-12B	QC-01		MW19-12B	MW19-13A	MW19-13A	MW19-13B	MW19-13B	MW25-01	MW25-02	MW25-03	MW25-04	MW25-05	TB-01	Field Blank	Field Blank	Trip Blank	TRIP BLANK	Trip Blank
Sampling Company			GGM	GGM		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2326467	2326467		2525246	2326529	2525246	2326529	2525246	2525246	2525382	2525246	2525069	2525069	2532120	2326529	2525246	2326529	2525069	2525246
Laboratory Sample ID			2326467-05	2326467-06		2525246-06	2326529-01	2525246-07	2326529-02	2525246-08	2525246-02	2525382-01	2525246-01	2525069-06	2525069-01	2532120-02	2326529-10	2525246-10	2326529-09	2525069-08	2525246-09
Sample Type	Units	Ottawa		Field Duplicate	RPD (%)												Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
General Chemistry																					
Chloride	mg/L	n/v	3,830	4,320	12%	-	862	-	482	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	2,000[A] 20[B]	<2	<2	nc	-	<2	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	5.5-12.0[A] 6.0-9.0[B]	7.5	7.5	0%	-	7.5	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	n/v	<25	<25	nc	1,970 VX	<25	-	<25	-	-	81	71 VX	<25	3,390 VX	<25	<25	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	n/v	26,200	10,600	**85%**	2,080	<100	-	<100	-	-	<100	<100	<100	<100	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	n/v	36,400	17,100	**72%**	3,000	<100	-	640	-	-	<100	<100	<100	<100	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	n/v	17,300	8,960	**64%**	2,220 SSO	<100	-	340	-	-	<100	<100	<100	<100	-	-	-	-	-	-
Metals, Dissolved																					
Antimony	µg/L	5,000[A]	<0.5	<0.5	nc	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	1,000[A] 20[B]	<1	<1	nc	-	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	4,750	4,560	4%	-	659	-	548	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	<0.5	<0.5	nc	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	25,000[A]	239	237	1%	-	618	-	229	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	20[A] 8[B]	<0.1	<0.1	nc	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	5,000[A] 70[B]	<1	<1	nc	-	1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	5,000[A]	<0.5	<0.5	nc	-	<0.5	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	3,000[A] 40[B]	1.6	1.4	nc	-	1.6	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	5,000[A] 120[B]	<0.1	<0.1	nc	-	0.4	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	5,000[A]	<0.5	<0.5	nc	-	2.7	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	3,000[A] 80[B]	<1	<1	nc	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	5,000[A] 20[B]	<1	<1	nc	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	5,000[A] 120[B]	<0.1	<0.1	nc	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,360,000	1,320,000	3%	-	821,000	-	523,000	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	<0.1	<0.1	nc	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	0.2	0.2	nc	-	4.4	-	7.9	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	5,000[A]	0.9	0.9	nc	-	3.8	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	3,000[A] 40[B]	<5	<5	nc	-	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-
Metals, Total																					
Antimony	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	1,000[A] 20[B]	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	-	-	-	-	-	-	-	-	-	189	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-
Boron	µg/L	25,000[A]	-	-	-	-	-	-	-	-	-	76	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	20[A] 8[B]	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
Chromium	µg/L	5,000[A] 70[B]	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	-	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-
Copper	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-
Lead	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
Mercury	µg/L	1[A] 0.4[B]	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	3.0	-	-	-	-	-	-	-	-	-
Nickel	µg/L	3,000[A] 80[B]	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Selenium	µg/L	5,000[A] 20[B]	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-
Silver	µg/L	5,000[A] 120[B]	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	-	-	-	-	-	-	-	-	-	468,000	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	5,000[A]	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-
Zinc	µg/L	3,000[A] 40[B]	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	100[A]	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-
Acenaphthylene	µg/L	100[A]	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	0.07	-	-	-	-	-	-
Anthracene	µg/L	n/v	<1.00	<0.20	nc	0.23	<0.01	-	<0.01	-	-	0.02	<0.01	0.07	0.04	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	n/v	<1.00	<0.20	nc	0.37	<0.01	-	0.02	-	-	0.03	<0.01	0.13	0.05	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	n/v	<1.00	<0.20	nc	0.33	<0.01	-	<0.01	-	-	0.02	<0.01	0.10	0.04	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	n/v	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	0.16	0.06	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	n/v	13.3	3.63	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	0.05	<0.05	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	n/v	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	0.05	<0.05	-	-	-	-	-	-
Chrysene	µg/L	n/v	<5.00	<1.00	nc	0.82	<0.05	-	<0.05	-	-	<0.05	<0.05	0.13	0.06	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	n/v	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	<1.00	<0.20	nc	0.95	<0.01	-	<0.01	-	-	0.09	<0.01	0.30	0.08	-	-	-	-	-	-
Fluorene	µg/L	100[A]	<5.00	<1.00	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	0.07	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	n/v	8.52	2.28	nc	<0.50 GEN9	<0.05	-	<0.05	-	-	<0.05	<0.05	0.07	<0.05	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	100[A]	<10.0	<2.00	nc	1.68	<0.10	-	<0.10	-	-	<0.10	<0.10	<0.10	1.16	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	100[A]	<5.00	<1.00	nc	1.12	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	0.48	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	100[A]	<5.00	<1.00	nc	0.56	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	0.68	-	-	-	-	-	-
Naphthalene	µg/L	100[A]	31.0	<1.00	nc	<0.50 GEN9	0.47	-	0.42	-	-	<0.05	<0.05	<0.05	2.37	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	<5.00	<1.00	nc	2.01	<0.05	-	<0.05	-	-	0.09	<0.05	0.29	0.14	-	-	-	-	-	-
Pyrene	µg/L	n/v	<1.00	<0.20	nc	0.71	<0.01	-	<0.01	-	-	0.06	<0.01	0.24	0.08	-	-	-	-	-	-

See notes on last page.

Table 2
Summary of Groundwater Analytical Results
Taggart Realty Redevelopment

Sample Location			MW19-12B				MW19-13A		MW19-13B		MW25-01	MW25-02	MW25-03	MW25-04	MW25-05	TB-01	FIELD BLANK		TRIP BLANK		
Sample Date			29-Jun-23	29-Jun-23		17-Jun-25	30-Jun-23	17-Jun-25	30-Jun-23	17-Jun-25	17-Jun-25	18-Jun-25	17-Jun-25	16-Jun-25	16-Jun-25	31-Jul-25	30-Jun-23	17-Jun-25	20-Jun-23	12-Jun-25	12-Jun-25
Sample ID			MW19-12B	QC-01		MW19-12B	MW19-13A	MW19-13A	MW19-13B	MW19-13B	MW25-01	MW25-02	MW25-03	MW25-04	MW25-05	TB-01	Field Blank	Field Blank	Trip Blank	TRIP BLANK	Trip Blank
Sampling Company			GGM	GGM		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order			2326467	2326467		2525246	2326529	2525246	2326529	2525246	2525246	2525382	2525246	2525069	2525069	2532120	2326529	2525246	2326529	2525069	2525246
Laboratory Sample ID			2326467-05	2326467-06		2525246-06	2326529-01	2525246-07	2326529-02	2525246-08	2525246-02	2525382-01	2525246-01	2525069-06	2525069-01	2532120-02	2326529-10	2525246-10	2326529-09	2525069-08	2525246-09
Sample Type				Field Duplicate													Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds																					
Acetone	µg/L	5,000[A]	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	10[A] 2[B]	**17.1**[AB]	**23.1**[AB]	30%	**17.6**[AB]	**60.3**[AB]	**12.7**[AB]	**39.8**[AB]	**67.8**[AB]	1.5	<0.5	0.9	<0.5	**3.2**[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	100[A]	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	100[A] 2[B]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	100[A] 5.6[B]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	100[A] 6.8[B]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	100[A]	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	10[A]	**19.1**[A]	**10.7**[A]	**56%**	7.6	6.7	1.8	**24.3**[A]	**45.3**[A]	1.8	<0.5	<0.5	<0.5	**10.2**[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, cis-1,2-	µg/L	100[A] 5.6[B]	**11,500 VOCL**[AB]	**5,240**[AB]	**75%**	**7,990**[AB]	**14,900**[AB]	**6,780**[AB]	**24,900**[AB]	**50,500**[AB]	**3,940**[AB]	**114**[AB]	<0.5	4.6	**7,890**[AB]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, trans-1,2-	µg/L	100[A]	97.0 VOCL	76.2	nc	**224**[A]	90.8	**331**[A]	77.0	**863**[A]	9.6	1.3	2.3	<0.5	**209**[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropane, 1,2-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	100[A] 5.6[B]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	100[A] 2[B]	**31.0**[B]	**22.6**[B]	**31%**	**8.4**[B]	**42.0**[B]	<0.5	**75.5**[B]	**57.9**[B]	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	100[A]	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	100[A]	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	100[A]	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	100[A]	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	100[A] 5.2[B]	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	100[A] 4.4[B]	**4.8**[B]	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	100[A] 4.4[B]	**7,220 VOCL**[AB]	**3,840**[AB]	**61%**	**712**[AB]	**4.5**[B]	**389**[AB]	**5.6**[B]	**276**[AB]	**1,600**[AB]	**11.6**[B]	**118**[AB]	<0.5	**2,420**[AB]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	100[A] 2[B]	**11.0**[B]	**10.0**[B]	10%	<0.5	**165**[AB]	1.0	**161**[AB]	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,1-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	100[A]	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	µg/L	100[A] 7.6[B]	**3,080 VOCL**[AB]	**1,280**[AB]	**83%**	**107**[AB]	**89.2**[B]	**120**[AB]	**462**[AB]	**63.0**[B]	**872**[AB]	**13.4**[B]	**44.6**[B]	<0.5	**1,010**[AB]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane (Freon 11)	µg/L	100[A]	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	10[A]	**938 VOCL**[A]	<0.5	nc	**6,870**[A]	**5,500**[A]	**2,380**[A]	**8,070**[A]	**6,880**[A]	**670**[A]	4.1	**51.6**[A]	<0.5	**2,590**[A]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene, m & p-	µg/L	n/v	58.0	33.7	**53%**	12.6	51.3	1.6	83.8	45.6	<0.5	<0.5	<0.5	<0.5	6.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene, o-	µg/L	n/v	24.6	15.4	**46%**	6.1	33.6	0.7	45.7	19.6	<0.5	<0.5	<0.5	<0.5	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes, Total	µg/L	100[A] 4.4[B]	**82.7**[B]	**49.1**[B]	**51%**	**18.7**[B]	**84.8**[B]	2.3	**130**[AB]	**65.2**[B]	<0.5	<0.5	<0.5	<0.5	**13.1**[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Ottawa	City of Ottawa Sewer Use By-Law No.2025-94
A	Table 1. Limits for Sanitary and Combined Sewers Discharges
B	Table 5. Limits for Stormwater Discharges to the Storm Sewer
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
GA	The sample was decanted due to sediment content.
GEN9	Elevated reporting limits due to the nature of the sample matrix.
POS	Product was observed in the sample container.
SSO	A surface sheen was observed in the sample container.
VOCL	VOC result based on an analysis taken from a previously analyzed sample vial (due to multiple dilutions). Results may be biased low.
VX	Result reported was mainly due to one non-hydrocarbon compound eluting inside F1 range.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of 30%.
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

April 30, 2026
Kyle Kazda, MBA

Reference: **Hydrogeological Investigation to Support Proposed Parkdale Development, Ottawa, Ontario**

Appendix C Borehole Logs

PROJECT: 13-1122-0009

RECORD OF DRILLHOLE: 14-1A

SHEET 1 OF 2

LOCATION: See Site Plan

DRILLING DATE: September 29, 2014

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: LC-55

DRILLING CONTRACTOR: Downing Drilling

FR/FX-FRACTURE F-FAULT SM-SMOOTH FL-FLEXURED BC-BROKEN CORE
CL-CLEAVAGE J-JOINT R-ROUGH UE-UNEVEN MB-MECH. BREAK
SH-SHEAR P-POLISHED ST-STEPPED W-WAVY B-BEDDING
VN-VEIN S-SLICKENSIDED PL-PLANAR C-CURVED

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	PENETRATION RATE (m/min)	FLUSH	COLOUR % RETURN	RECOVERY TOTAL CORE %	RECOVERY SOLID CORE %	R.Q.D. %	FRACT. INDEX PER 0.3	DISCONTINUITY DATA DIP w.r.t. CORE AXIS	DISCONTINUITY DATA TYPE AND SURFACE DESCRIPTION	HYDRAULIC CONDUCTIVITY K, cm/sec	DIAMETRAL POINT LOAD INDEX (MPa)	NOTES WATER LEVELS INSTRUMENTATION
		GROUND SURFACE															
0	Rotary Drill NQ Core	Overburden		0.00													Flush Mount Protective Casing
1																	
2		**UNIT G2** Fresh to moderately weathered, medium brownish grey, fine to medium grained, partly crystalline, thinly to medium bedded, lithoclastic and stylolitic **Limestone** with trace fossil debris.		1.63													
		UNIT G3 Fresh to slightly weathered, medium to dark grey, very fine grained, thinly bedded, laminar textured, argillaceous **Limestone** with dark grey shaly partings.		2.01	C1												
3																	
4					C2												Bentonite Seal
5																	
		UNIT G4 Fresh, light to medium grey to medium brownish grey, fine to medium grained, partly crystalline, thinly to medium bedded, stylolitic **Limestone** with tabular gypsum casts and disseminated gypsum crystals.		5.57	C3												
6																	
		UNIT G5 Fresh, medium to dark grey, very fine to fine grained, thinly bedded, laminar textured, argillaceous **Limestone** with occasional shaly partings.		6.72	C4												
7																	
8					C5												Silica Sand
		UNIT G6 Fresh, medium grey, fine to medium grained, faintly porous, medium to thickly bedded, massive textured, siliceous **Dolostone** with grey shaly bedding partings.		8.78													
9					C6												38 mm Diam. PVC #10 Slot Screen
10		*CONTINUED NEXT PAGE*															

DEPTH SCALE

1 : 50

LOGGED: RI

CHECKED: JW

Golder Associates

MIS-RCK 001 1311220009.GPJ GAL-MISS.GDT 09/04/15 JEM

PROJECT: 13-1122-0009

RECORD OF DRILLHOLE: 14-1A

SHEET 2 OF 2

LOCATION: See Site Plan

DRILLING DATE: September 29, 2014

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: LC-55

DRILLING CONTRACTOR: Downing Drilling

FR/FX-FRACTURE F-FAULT SM-SMOOTH FL-FLEXURED BC-BROKEN CORE
CL-CLEAVAGE J-JOINT R-ROUGH UE-UNEVEN MB-MECH. BREAK
SH-SHEAR P-POLISHED ST-STEPPED W-WAVY B-BEDDING
VN-VEIN S-SLICKENSIDED PL-PLANAR C-CURVED

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	PENETRATION RATE (m/min)	FLUSH	COLOUR % RETURN	RECOVERY: TOTAL CORE % (80 60 40 20)	RECOVERY: SOLID CORE % (80 60 40 20)	R.Q.D. % (80 60 40 20)	FRACT. INDEX PER 0.3 (5 10 15 20)	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (0 30 60 90)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	HYDRAULIC CONDUCTIVITY K, cm/sec (10^{-6} 10^{-5} 10^{-4} 10^{-3})	DIAMETRAL POINT LOAD INDEX (MPa) (2 4 6)	NOTES WATER LEVELS INSTRUMENTATION
10		*--- CONTINUED FROM PREVIOUS PAGE ---*															
	Rotary Drill NQ Core	**UNIT G6** Fresh, medium grey, fine to medium grained, faintly porous, medium to thickly bedded, massive textured, siliceous **Dolostone** with grey shaly bedding partings.			C6												
11					C7												38 mm Diam. PVC #10 Slot Screen
12		**UNIT G7** Fresh, medium to dark grey, fine grained, thinly to medium bedded, laminar, mottled to nodular textured, argillaceous **Limestone** with interbedded medium grey fine to medium grained partly crystalline, stylolitic limestone and minor calcareous siltstone.		11.98													Silica Sand
		End of Drillhole		12.21													
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

DEPTH SCALE

1 : 50

LOGGED: RI

CHECKED: JW

Golder Associates

MIS-RCK 001 1311220009.GPJ GAL-MISS.GDT 09/04/15 JEM

PROJECT: 13-1122-0009

RECORD OF DRILLHOLE: 14-1B

SHEET 1 OF 1

LOCATION: See Site Plan

DRILLING DATE: October 1, 2014

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: LC-55

DRILLING CONTRACTOR: Downing Drilling

FR/FX-FRACTURE F-FAULT SM-SMOOTH FL-FLEXURED BC-BROKEN CORE
CL-CLEAVAGE J-JOINT R-ROUGH UE-UNEVEN MB-MECH. BREAK
SH-SHEAR P-POLISHED ST-STEPPED W-WAVY B-BEDDING
VN-VEIN S-SLICKENSIDED PL-PLANAR C-CURVED

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	PENETRATION RATE (m/min)	FLUSH	COLOUR % RETURN	RECOVERY: TOTAL CORE %	RECOVERY: SOLID CORE %	R.Q.D. %	FRACT. INDEX PER 0.3	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	HYDRAULIC CONDUCTIVITY K, cm/sec	DIAMETRAL POINT LOAD INDEX (MPa)	NOTES WATER LEVELS INSTRUMENTATION
		GROUND SURFACE															
0	Rotary Drill / NQ Core	Overburden		0.00													Flush Mount Protective Casing
1																	
		UNIT G2 Fresh to moderately weathered, medium brownish grey, fine to medium grained, partly crystalline, thinly to medium bedded, lithoclastic and stylolitic **Limestone** with trace fossil debris.		1.70													Bentonite Seal
2				2.04													
		UNIT G3 Fresh, medium to dark grey, very fine grained, thinly bedded, laminar textured, argillaceous **Limestone** with dark grey shaly partings.			C1												
3					C2												
																	Silica Sand
4					C3												
5																	
		UNIT G4 Fresh, light to medium grey to medium brownish grey, fine to medium grained, partly crystalline, thinly to medium bedded, stylolitic **Limestone** with tabular gypsum casts and disseminated gypsum crystals.		5.57	C4												38 mm Diam. PVC #10 Slot Screen
6																	
		UNIT G5 Fresh, medium to dark grey, very fine to fine grained, thinly bedded, laminar textured, argillaceous **Limestone** with occasional shaly partings.		6.74	C5												
7				7.20													Silica Sand
		End of Drillhole															
8																	
9																	
10																	

DEPTH SCALE

1 : 50

LOGGED: RI

CHECKED: JW

Golder Associates

MIS-RCK 001 1311220009.GPJ GAL-MISS.GDT 09/04/15 JEM

PROJECT: 18111954

RECORD OF BOREHOLE: 19-12

SHEET 1 OF 2

LOCATION: N 5029401.7 ;E 365050.4

BORING DATE: April 1, 2019

DATUM: CGVD28

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.30m	DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m (20 40 60 80)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3})	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		62.86				SHEAR STRENGTH Cu, kPa (20 40 60 80); nat V. +, rem V. ⊕; Q - ●, U - ○	WATER CONTENT PERCENT (20 40 60 80); Wp, W, Wl		
0	GeoMachine Direct Push	GRAVEL pack		0.00							Flush Mount Casing
				62.20							
		GRAVEL, SAND, COBBLES and BOULDERS, with glass and brick (FILL)		0.46							
1				60.98							
	GeoMachine Symmetrix Air-Hammer	BEDROCK		1.58							
2											
3											
4											Bentonite Seal
5											
6											
7											
8											
9											Silica Sand
											25 mm Diam. PVC #10 Slot Screen 'B'
10		*CONTINUED NEXT PAGE*									

DEPTH SCALE

1 : 50

GOLDER

LOGGED: ALB

CHECKED: EL

018006

MIS-BHS 001 18111554.GPJ GAL-MIS.GDT 6/26/20 JEM

PROJECT: 18111954

RECORD OF BOREHOLE: 19-12

SHEET 2 OF 2

LOCATION: N 5029401.7 ;E 365050.4

BORING DATE: April 1, 2019

DATUM: CGVD28

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.30m	DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m (20 40 60 80) / SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q- ●, U- ○) (20 40 60 80)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp, W, Wl) (20 40 60 80)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		-- CONTINUED FROM PREVIOUS PAGE --									
10	GeoMachine Symmetrix Air-Hammer	BEDROCK									
11											25 mm Diam. PVC #10 Slot Screen 'B'
12											Silica Sand
13											Bentonite Seal
14											
15											Silica Sand
16											
17											32 mm Diam. PVC #10 Slot Screen 'A'
18				44.37							
		End of Borehole		18.29							
19											
20											

DEPTH SCALE
1 : 50

GOLDER

LOGGED: ALB
CHECKED: EL

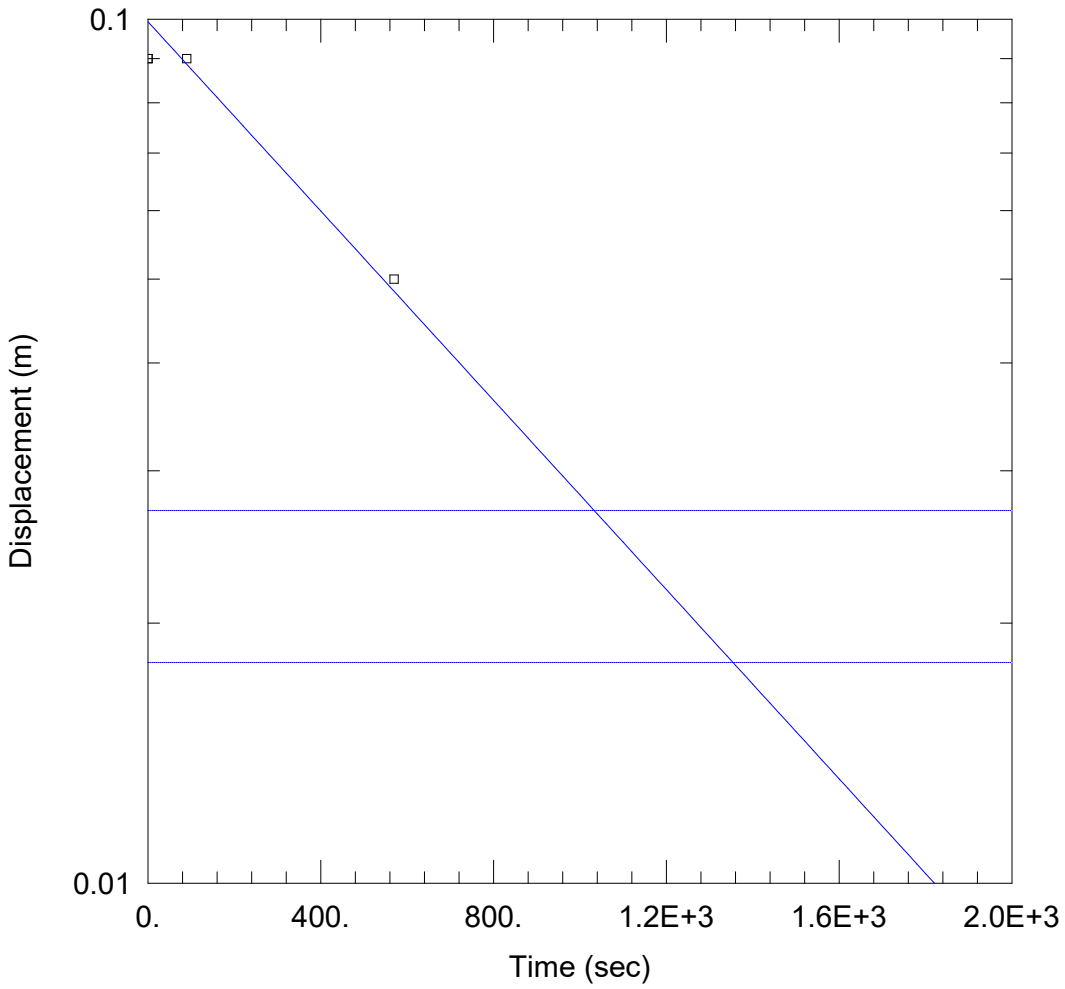
MIS-BHS 001 18111954.GPJ GAL-MIS.GDT 6/26/20 JEM

018007

April 30, 2026
Kyle Kazda, MBA

Reference: **Hydrogeological Investigation to Support Proposed Parkdale Development, Ottawa, Ontario**

Appendix D Hydraulic Conductivity Testing



MW14-1A FALLING HEAD TEST

Data Set: \...\MW14-1A Falling Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:04:03

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1A
Test Date: April 29, 2025

AQUIFER DATA

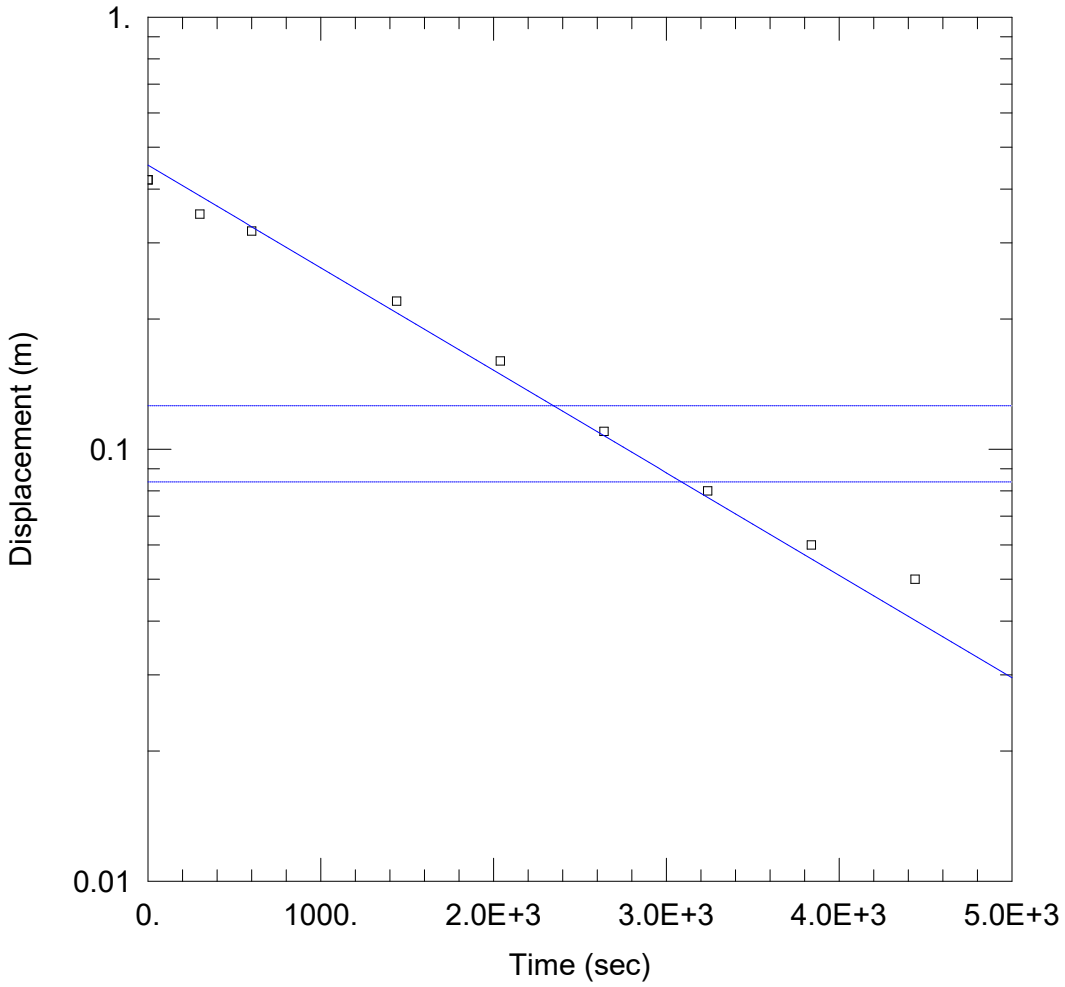
Saturated Thickness: 7.11 m
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1A)

Initial Displacement: 0.09 m
Total Well Penetration Depth: 7.11 m
Casing Radius: 0.0191 m
Static Water Column Height: 7.11 m
Screen Length: 3.05 m
Well Radius: 0.049 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.0E-7 m/sec
y0 = 0.09931 m



MW14-1A RISING HEAD TEST

Data Set: \...\MW14-1A Rising Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:03:08

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1A
Test Date: April 29, 2025

AQUIFER DATA

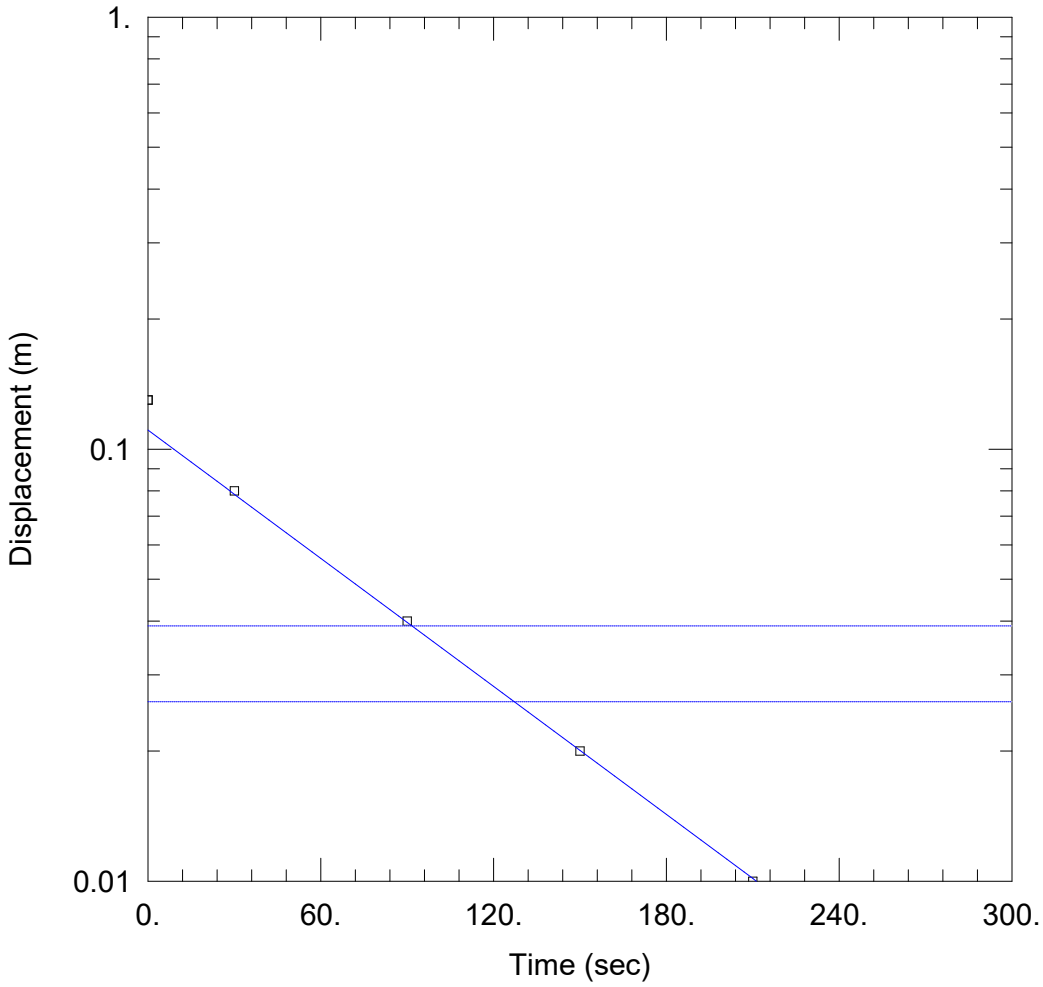
Saturated Thickness: 7.11 m Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1A)

Initial Displacement: 0.42 m
Total Well Penetration Depth: 7.11 m
Casing Radius: 0.0191 m
Static Water Column Height: 7.11 m
Screen Length: 3.05 m
Well Radius: 0.049 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.3E-7 m/sec
y0 = 0.4542 m



MW14-1B RISING HEAD TEST

Data Set: \...\MW14-1B Rising Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:34:05

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1B
Test Date: April 29, 2025

AQUIFER DATA

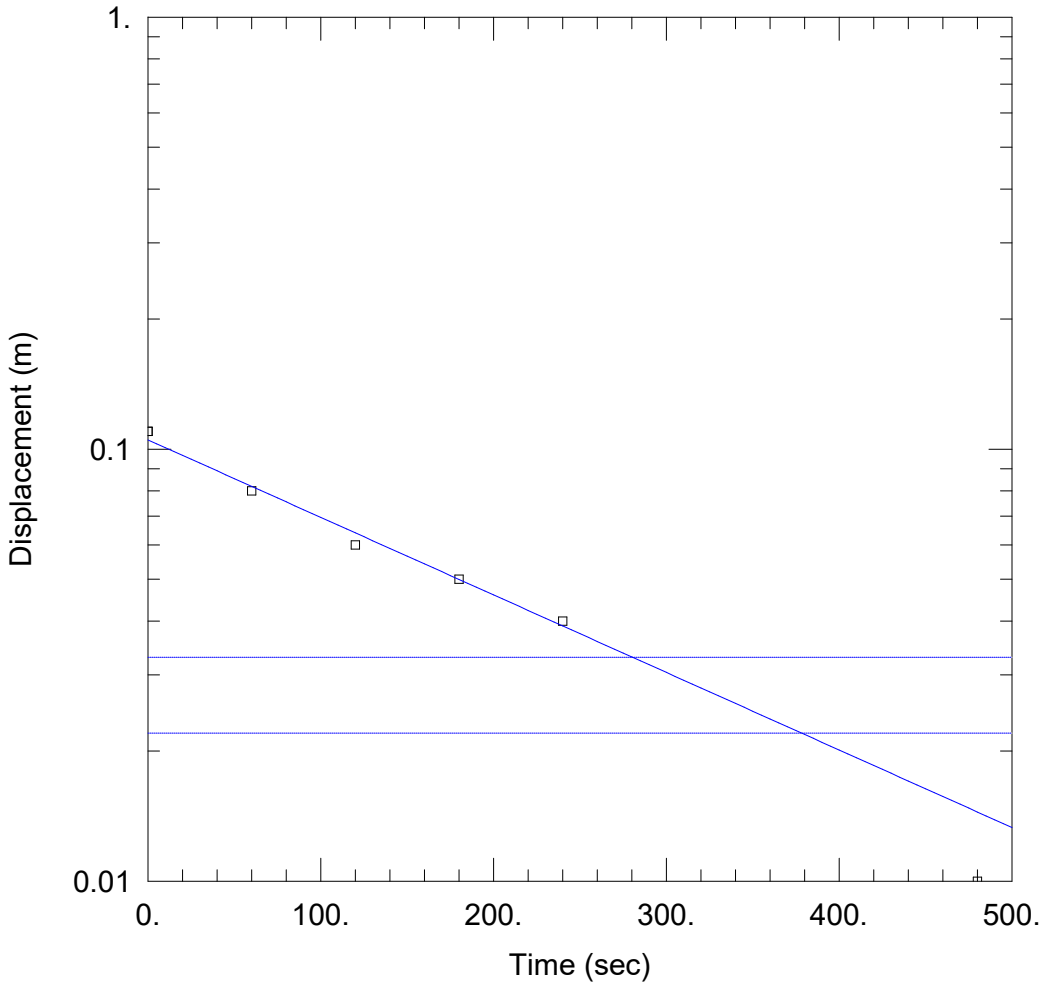
Saturated Thickness: 3.42 m
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1B)

Initial Displacement: 0.13 m
Total Well Penetration Depth: 3.42 m
Casing Radius: 0.0191 m
Static Water Column Height: 3.42 m
Screen Length: 3.05 m
Well Radius: 0.049 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.4E-6 m/sec
y0 = 0.1106 m



MW19-12B RISING HEAD TEST 1

Data Set: \...\MW19-12B Rising Head Test 1_ST_JK.aqt
Date: 06/03/25 Time: 13:59:37

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW19-12B
Test Date: April 29, 2025

AQUIFER DATA

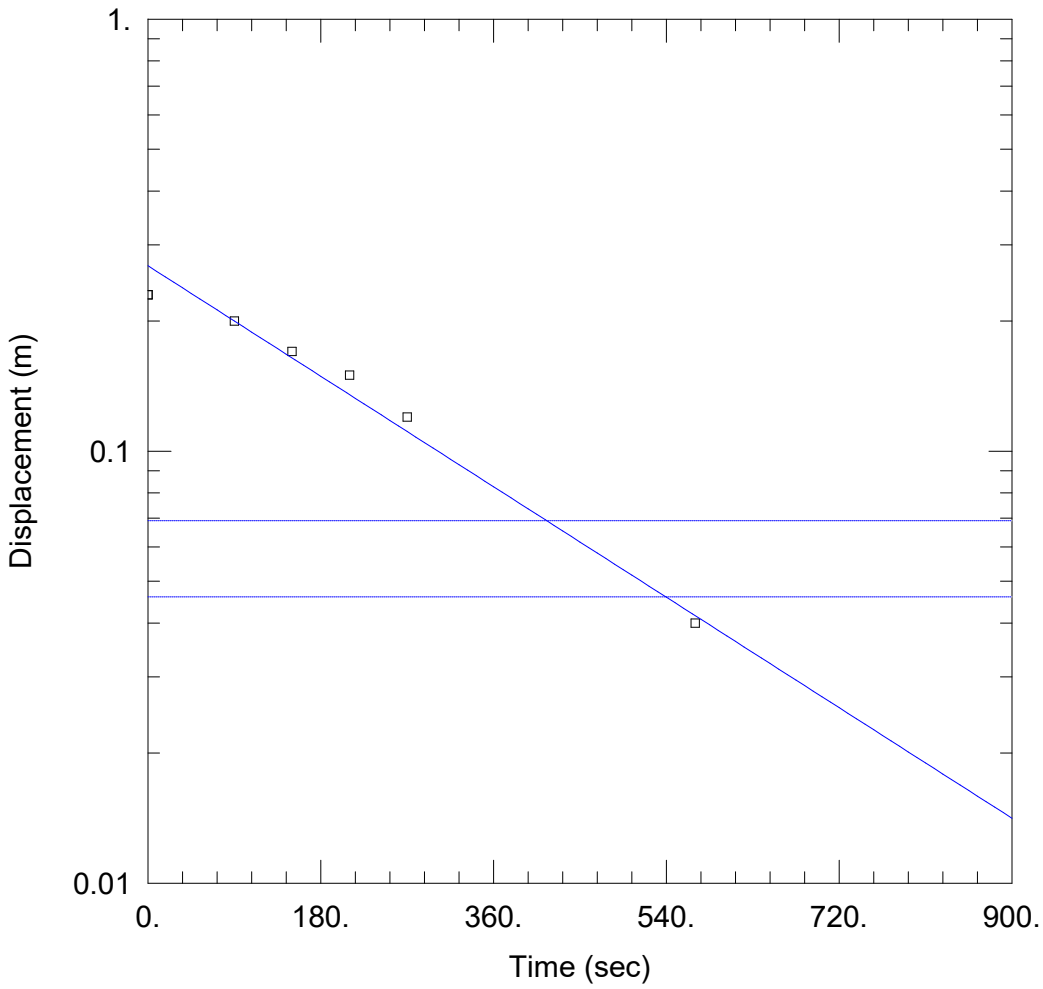
Saturated Thickness: 7.08 m Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW19-12B)

Initial Displacement: 0.11 m
Total Well Penetration Depth: 7.08 m
Casing Radius: 0.0127 m
Static Water Column Height: 7.08 m
Screen Length: 3.05 m
Well Radius: 0.38 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.4E-7 m/sec
y0 = 0.1051 m



MW19-12B RISING HEAD TEST 2

Data Set: \...\MW19-12B Rising Head Test 2_ST_JK.aqt
Date: 06/03/25 Time: 14:02:53

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW19-12B
Test Date: April 29, 2025

AQUIFER DATA

Saturated Thickness: 7.08 m Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW19-12B)

Initial Displacement: 0.23 m
Total Well Penetration Depth: 7.08 m
Casing Radius: 0.0127 m
Static Water Column Height: 7.08 m
Screen Length: 3.05 m
Well Radius: 0.38 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.9E-7 m/sec
y0 = 0.2685 m