



To: Tracy Seppala, Waste Management Technical Specialist
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Superintendent

Date: August 11, 2025

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File: 704-SWM.SWOP04071-04.003

Subject: McKenzie Trails Site 2025 Site Walkover

1.0 INTRODUCTION

The City of Red Deer (The City) retained Tetra Tech Canada Inc. (Tetra Tech) to conduct an annual site walkover in 2025 of the former landfill known as the McKenzie Trails Recreation Area Site (McKenzie Trails; also referred to as 'the Site'). The Site is located within the NE and SE Sections of 28-038-27 W4M, Red Deer, Alberta (Figure 1).

The objectives of the site walkover were to verify site drainage, make observations of the integrity of the landfill cover, and to visually inspect the groundwater and soil vapour monitoring wells at the Site. Conducting an annual site check follows the ongoing monitoring recommendation presented in the *2024 Groundwater Monitoring Report; McKenzie Trails Recreation Area; NE and SE Portions of Section 28-038-27 W4M* prepared by Tetra Tech and dated June 2025.

On May 15, 2025, a Tetra Tech representative attended the Site and completed the site walkover, documenting site drainage, integrity of the landfill cover, and the visual condition of the groundwater and soil vapour monitoring wells.

2.0 SITE WALKOVER OBSERVATIONS

The following observations were made during the walkover.

- Site drainage was positive across the Site, noting that there is a constructed pond south of the site. See Photo 2, Photo 7, and Photo 12.
- The landfill cover was observed to be vegetated with mostly grass cover across the Site, excluding paved roadways and walkways. Minor exposed soils were noted near the rotunda, southern bathroom, and northside of the pond. See Photo 1 to Photo 3, Photo 7, Photo 9, and Photo 12.
- No surface exposure of buried waste was observed. See Photo 12.
- All groundwater and soil vapour monitoring wells were found to be in good condition; this includes MW-01 to MW-03, MW-05, MW-203, and VW-01. See Photo 4 to Photo 6, Photo 8, and Photo 10.
- The above-ground polyvinyl chloride (PVC) casing of MW-04 is damaged and had been temporarily repaired using duct tape. MW-04 is still periodically sampled for volatile organic compounds (VOCs), and the well will require proper repair prior to the next sampling event to remove the potential for cross-contamination from either the damage or the temporary repair. See Photo 5.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Tetra Tech conducted a site walkover on May 15, 2025. The site drainage, cover, and monitoring wells were found to be in good condition overall.

Tetra Tech recommends the following:

- Continue to evaluate the vegetation coverage where exposed soils were observed such as near the pond to confirm conditions do not worsen and result in erosion or waste exposure
- An annual site walkover should continue to be undertaken to confirm the condition of the site drainage, landfill cover, and monitoring wells. The site walkover should be conducted when there is no snow covering the ground surface.
- Repair the PVC casing at MW-04.

4.0 LIMITATIONS OF REPORT

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5.0 CLOSURE

We trust this technical memo meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,
Tetra Tech Canada Inc.

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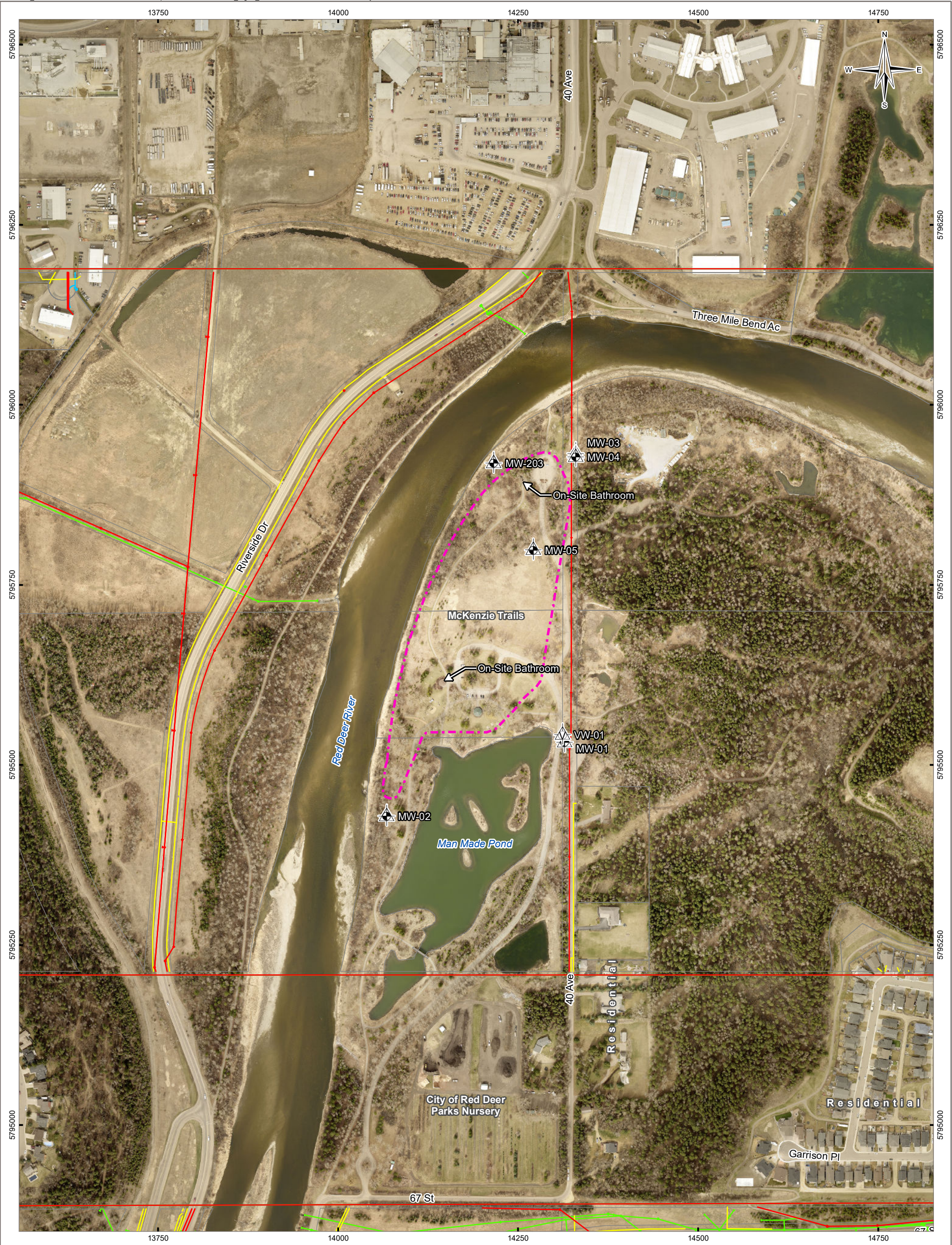
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<p>PERMIT TO PRACTICE TETRA TECH CANADA INC.</p> <p>RM SIGNATURE: _____</p> <p>RM APEGA ID #: _____</p> <p>DATE: _____</p> <p>PERMIT NUMBER: P013774</p> <p>The Association of Professional Engineers and Geoscientists of Alberta (APEGA)</p>

/as

Attachments (3):
Figure 1: Site Plan and Surrounding Land Use
Site Photographs
Tetra Tech's Limitations on the Use of this Document



LEGEND

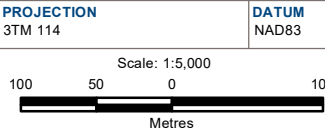
- Monitoring Well
- Vapour Well
- Historic Waste Disposal
(Provided by Tiamat, 2014)

- Lot Boundary
- Utilities
 - Electrical
 - Sanitary
 - Storm
 - Water

NOTES
Base data source: Imagery provided by City of Red Deer (2022)
Roads from City of Red Deer Open Data, 2018
Utilities provided by City of Red Deer.
Locations have not been field verified, and should not be used for construction or other intrusive field activities.

2025 GROUNDWATER MONITORING REPORT
MCKENZIE TRAILS RECREATION AREA

Site Plan and
Surrounding Land Use



FILE NO. SWOP04071-04_Fig02_LandUse.mxd				
OFFICE TI-EDM	DWN DS	CKD MRB	APVD RM	REV 0
DATE February 27, 2025	PROJECT NO. SWM.SWOP04071-04.003			

Figure 1



Photo 1: Exposed soils near southern onsite bathroom



Photo 2: Exposed soils near northern pond



Photo 3: Exposed soils near rotunda



Photo 4: MW-02



Photo 5: MW-03 and MW-04



Photo 6: MW-05



Photo 7: Exposed soils near MW-02



Photo 8: MW-01 and VW-01



Photo 9: Western site area vegetation and pavement



Photo 10: MW-203



Photo 11: Red Deer River north of MW-203



Photo 12: Central waste area, south of MW-05, facing south

LIMITATIONS ON USE OF THIS DOCUMENT

GEOENVIRONMENTAL

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The Client, and any Authorized Party, acknowledges that the Professional Document is based on limited data and that the conclusions, opinions, and recommendations contained in the Professional Document are the result of the application of professional judgment to such limited data.

The Professional Document is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site conditions present, or variation in assumed conditions which might form the basis of design or recommendations as outlined in this report, at or on the development proposed as of the date of the Professional Document requires a supplementary exploration, investigation, and assessment.

TETRA TECH is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the property, the decisions on which are the sole responsibility of the Client.

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In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by TETRA TECH in its reasonably exercised discretion.