



**To:** Tracy Seppala, Waste Management Technical Specialist  
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Superintendent

**Date:** August 11, 2025

**From:** Colleen Wendeborn, M.Sc., P.Geol.  
Sean Buckles, M.Sc., P.Eng.

**File:** 704-SWM.SWOP04071-04.001

**Subject:** Great West Adventure Park Site 2024 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 2024 of the former landfill known as the Great West Adventure Park (GWAP; also referred to as 'the Site'). The GWAP is located at 5221 Taylor Drive, within Lot 1 municipal reserve (MR), Block 2, Plan 8322386, and 5503 56 Avenue, within Lot 0, Block R1, Plan 7820428, within the north half of Section 17-038-27 W4M, in Red Deer, Alberta (Figure 1).

The objectives of the site walkover were to verify site drainage, make observations of the integrity of landfill cover, and to undertake a visual inspection of the groundwater and soil vapour monitoring wells at the Site. Conducting an annual site check follows the ongoing monitoring recommendation presented in the 2022 Tetra Tech report *2021 Groundwater and Soil Vapour Monitoring Report; Great West Adventure Park; North Half of Section 17-038-27 W4M*.

On December 5, 2024, 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.

- The Site was snow covered. No surface exposure of buried waste was observed through the snow nor was there obvious evidence of surface ponding.
- With minor exceptions, all groundwater and soil vapour monitoring wells were found to be in good condition; this includes MW-01 to MW-05 and VW-01 to VW-03.
- MW-02 was covered in soil, so the Tetra Tech representative dug out around the cover to make it visible once more. The cap of the protective casing was broken but present (Photo 1).
- The steel-cap of the protective casing for MW-05 was missing; however, the J-plug was locked (Photo 2 and Photo 3).

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Tetra Tech conducted a site walkover on December 5, 2024. The site cover and monitoring wells were found to be in good condition overall, noting the Site was covered in snow.

An annual site walkover continues to be recommended to confirm the condition of the site drainage, landfill cover, and monitoring wells. It is best if the site walkover is completed when the Site is not covered in snow, to assess potential exposed waste at the ground surface.

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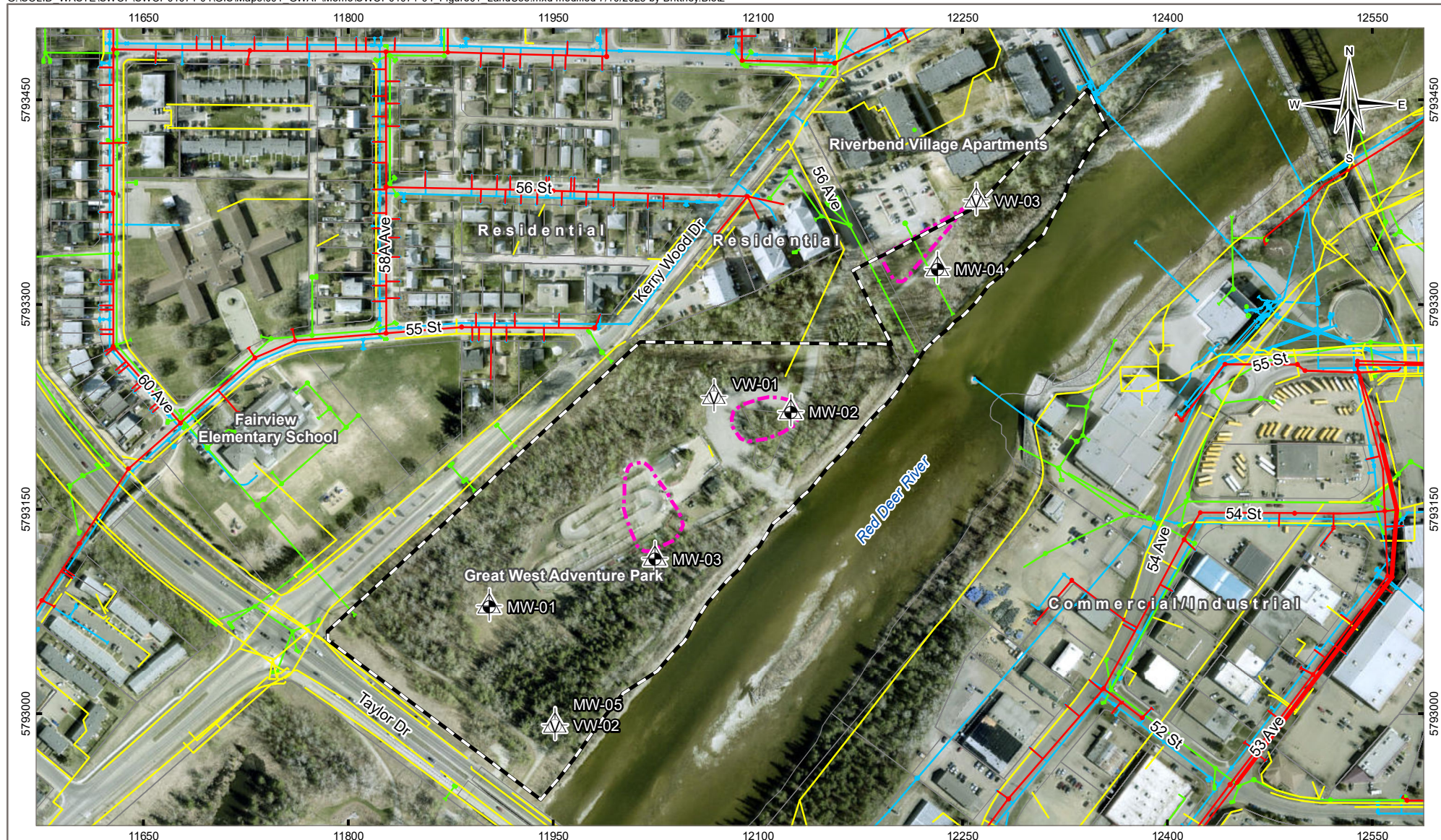
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<p align="center"><b>PERMIT TO PRACTICE TETRA TECH CANADA INC.</b></p> <p>RM SIGNATURE: _____</p> <p>RM APEGA ID #: _____</p> <p>DATE: _____</p> <p><b>PERMIT NUMBER: P013774</b></p> <p align="center"><small>The Association of Professional Engineers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

Site Boundary

Lot Boundary

### Utilities

Electrical

Sanitary

Storm

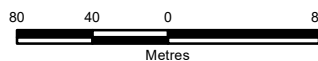
Water

### NOTES

Base data source: Imagery provided by ESRI; Red Deer County (2024)  
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.

**STATUS**  
ISSUED FOR USE

Scale: 1:4,000



### PROJECTION

3TM 114

### DATUM

NAD83

### FILE NO.

SWOP04071-04\_Figure01\_LandUse.mxd

### CLIENT



**CORD AB 2024 ACTIVITIES  
PRE-1972 LANDFILL SITES, 001  
GREAT WEST ADVENTURE PARK SITE**

## Site Plan and Surrounding Land Use

**OFFICE**  
TI-EDM  
**DATE**  
July 10, 2025

DWN	CKD	APVD	REV
BB	SL	WC	0

**PROJECT NO.**  
SWM.SWOP04071-04.001

**Figure 1**





**Photo 1: MW-02 broken cap**



**Photo 2: MW-05 missing protective cap**



**Photo 3: MW-02 uncovered and locked**

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