

# TECHNICAL MEMORANDUM

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**To:** Nevada Environmental Response Trust

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**Cc:** Dana Grady and David Bohmann, Tetra Tech

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**From:** Chris Hayes and Kyle Avery

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**Date:** May 16, 2022

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**Subject:** Site Management Plan Work Plan for Soil Scarification in an Excavation Control Area  
East Road Improvements

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## BACKGROUND

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At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) is required to pave a section of gravel road on the EMD leasehold area as shown in **Figure 1** (herein referred to as 'East Road'). The road will be used for transporting water within the NERT Site from the Unit 4 Building to Process Tank T-201. Based on a geotechnical evaluation of the area of East Road to be paved, the existing gravel road needs to be scarified to a depth of six inches and recompact prior to placing asphalt. A portion of the area to be scarified and recompact is located inside Excavation Control Areas (ECAs) C14 and E2. During the project construction phase, Tetra Tech expects to disturb an approximate area of 71,000 square feet (ft<sup>2</sup>) of soil within ECA C14 and 23,000 ft<sup>2</sup> of soil within ECA E2. No soil within the ECAs will be excavated or moved from its current location.

This Site Management Plan (SMP) Work Plan is being prepared and submitted to the Nevada Division of Environmental Protection (NDEP) in accordance with Section 4, Risk Management for Soil, of the SMP, Revision 7 dated January 12, 2022. The planned road paving area, expected scarification areas, and ECA boundaries are presented on **Figure 1**. This work will be conducted within 50 feet of a GWETS component; therefore, a Contingency Plan will also be submitted.

## WORK PLAN FOR SOIL SCARIFICATION FOR ROAD PAVING

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The following provides a preliminary summary of the planned work for the construction phase soil-disturbing activities for the East Road Improvements project.

1. Scarification work will likely be completed using a tractor, bulldozer, or similar equipment.
2. Soils will be scarified in place to a depth of six inches and moisture conditioned in place using water.
3. After moisture conditioning, the soil will be recompact using a roller or other suitable compaction equipment.

4. No ECA soil will be excavated, stockpiled, or disposed of as part of this work. Therefore, no soil samples will be collected for analysis.
5. In non-ECA areas, Tetra Tech will observe the soil during construction and assess if the soil is discolored, stained, oily and/or has an odor that would require special testing. If special testing is warranted due to observations of discolored, stained, oily and/or odorous soil, Tetra Tech will stop the work immediately and notify the Trust and the Nevada Department of Environmental Protection (NDEP) within 24 hours as described in the SMP.
6. Equipment used for the soil-disturbing activities shall be broom cleaned as necessary before leaving the ECA to avoid tracking soil off-site.
7. A water truck will be used, as necessary, during construction activities to provide dust control.

In accordance with the SMP, if impacted soil is discovered during the soil-disturbing activity in non-ECA areas, contingency actions will be implemented as described within Section 4.3 of the SMP, including development and approval of a work plan summarizing the planned activities and soil management procedures.

## CERTIFICATION

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I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

**Description of Services Provided:** Prepared Work Plan for Soil Scarification in an Excavation Control Area East Road Improvements.



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**David S. Wilson, CEM**  
Principal Engineer  
Tetra Tech, Inc.

May 16, 2022

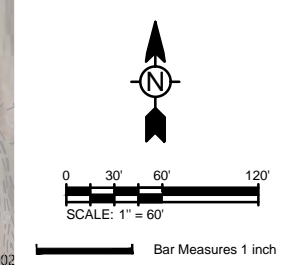
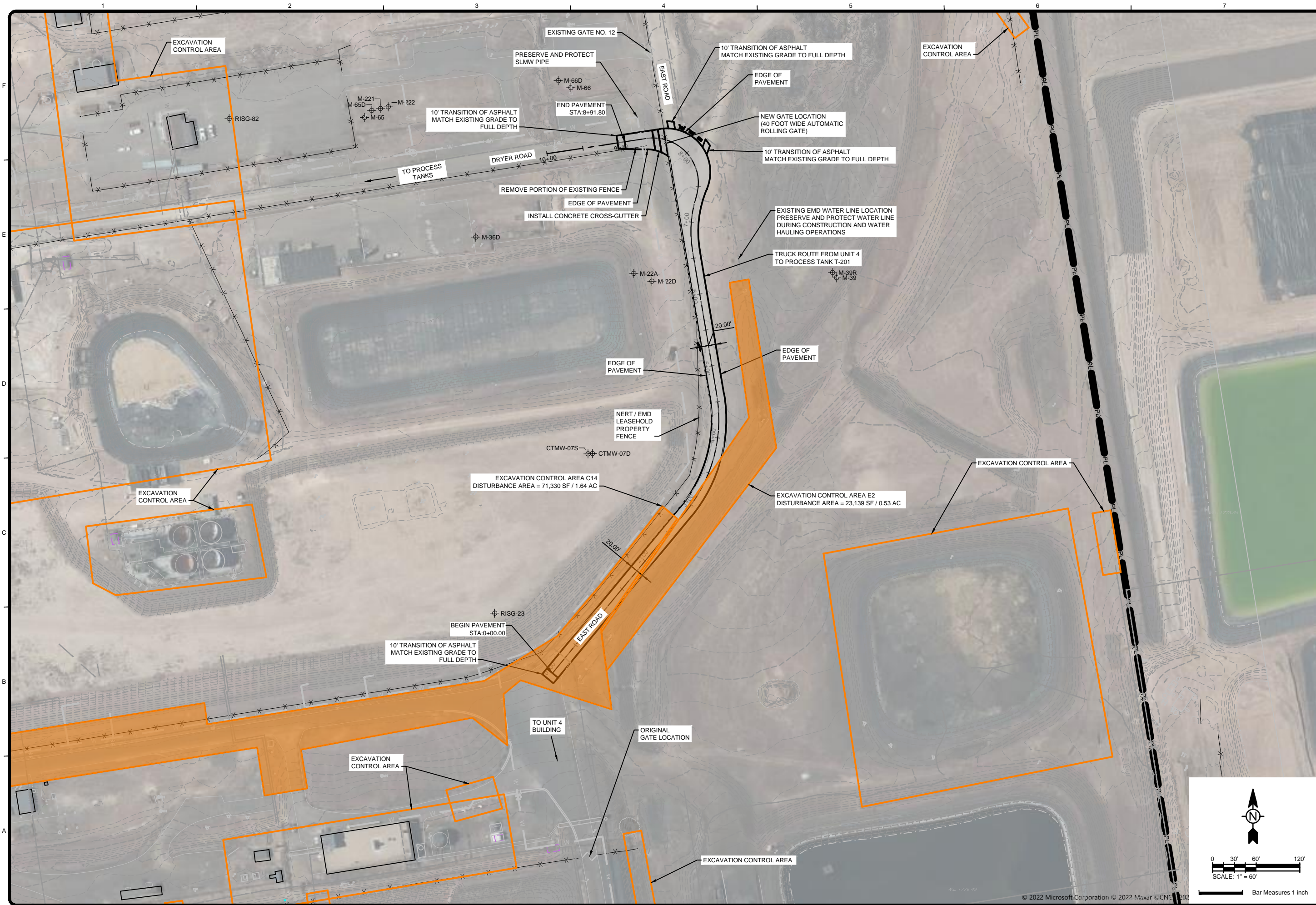
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Date

Nevada CEM Certificate Number: 2385  
Nevada CEM Expiration Date: September 19, 2022

## Figures

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**TETRA TECH**  
 www.tetra.tech.com  
 150 S 4th Street, Unit A  
 Henderson, NV 89015  
 Phone: 702.854.2293 Fax: 702.957.7140

**FOR REVIEW  
 NOT FOR CONSTRUCTION**

MARK	DATE	DESCRIPTION	BY
A	4/5/22	ISSUED FOR REVIEW	KRA

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A	4/5/22	ISSUED FOR REVIEW	KRA

NEVADA ENVIRONMENTAL RESPONSE TRUST  
 HENDERSON, NEVADA  
**EAST ROAD IMPROVEMENTS**  
**CONTINGENCY PLAN**

Project No.: 117-7502021-M21  
 Designed By: K. AVERY  
 Drawn By: L. WEATHERL  
 Checked By: C. HAYES

**FIG 01**

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