



# Mahler Water Reclamation Facility (MWRF) Interim Improvements

## ADDENDUM NO. 3

### FOR

### SLUDGE BLEND TANK DESIGN-BUILD

To: All Prospective Bidders

The following clarifications, changes, additions and/or deletions are hereby made a part of the Contract Documents issued for the above referenced project as fully and completely as if the same were fully set forth therein.

This Addendum consists of 10 pages, including this cover.

## BIDDER QUESTIONS

**Q1.** Is prequalification necessary to bid on this project?

**A.** No, prequalification is not necessary for this project.

**Q2.** Can a disposal site be identified in the Contract Documents for disposal of the solidified lime and the biofilter?

**A.** It is the responsibility of the Contractor to find a suitable disposal site.

**Q3.** What water source is to be used for the tank hydraulic testing?

**A.** Fill water is available on-site. Design-Builder is responsible to ensure adequate backflow prevention measures are in place. Coordinate with and obtain Owner approval prior to beginning this work.

**Q4.** Where can the water used for hydraulic testing be disposed of?

**A.** Dispose of water used for testing of the tank into the Special Manholes adjacent to the Influent Pump Station (IPS) that convey sewage to the IPS. Obtain Owner approval before disposing of water used for testing. See sheet C-005 for IPS and Special Manhole locations. Water shall be disposed of at a rate of 200 gallons per minute or less.

## CHANGES AND ADDITIONS AND/OR DELETIONS

Additions are shown in underline. Deletions are shown in strikeout.

1. Exhibit A:

**Add: Sheet C-005: SITE DEMOLITION & TREE REMOVAL.**

2. Exhibit A: Sheet C-010, C-020, and M-250

**Replace Sheets with revised Attached Sheets.**

3. Technical Specifications

**Add: Section 02 41 00 in its entirety.**

4. Specification Section 31 10 00, Site Preparation

**Add: Section 3.07, Tree Removal:**

**3.07. TREE REMOVAL**

- A. Remove specific trees indicated on the Drawings for removal.
- B. Timber Salvage: Property owners have the rights to any tree with caliper of 6 inches and larger that are felled. The Engineer will notify property owners at least 48 hours prior to tree removal. If property owners elect to keep felled trees, they will be granted 7 calendar days after the tree is felled to remove the timber. If timber is not removed after 7 calendar days, the ownership of the timber shall revert back to Contractor.

**End of Addendum No. 3**

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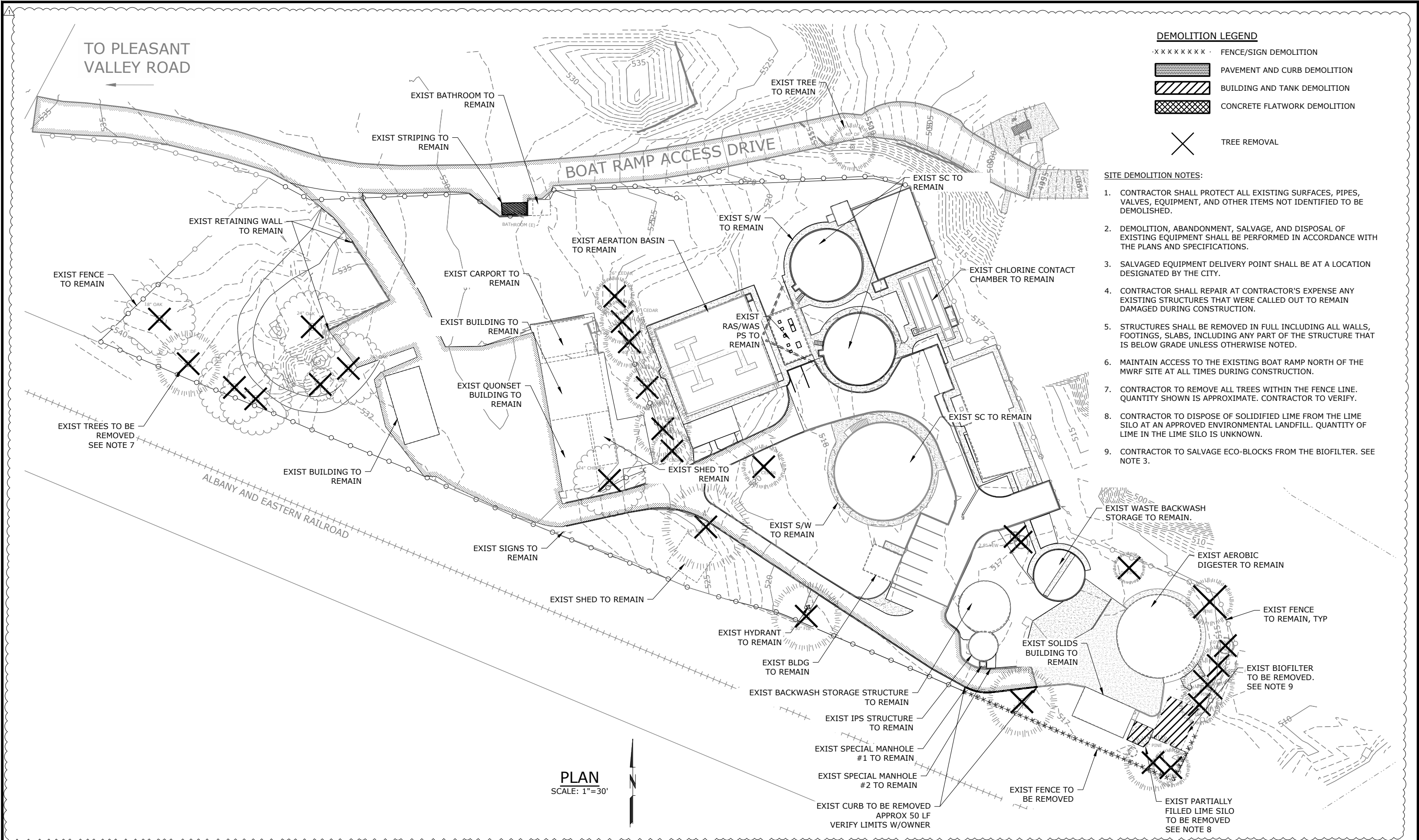
Mr. Greg Springman, Public Works Director

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January 12, 2023

Date

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△	01/09/2023	BVB	ADDENDUM 3
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NO.	DATE	BY	REVISION

NOTICE  
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

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WJM  
CHECKED

**PRELIMINARY ONLY**  
DO NOT USE FOR CONSTRUCTION  
JAN 2023  
**West Yost**



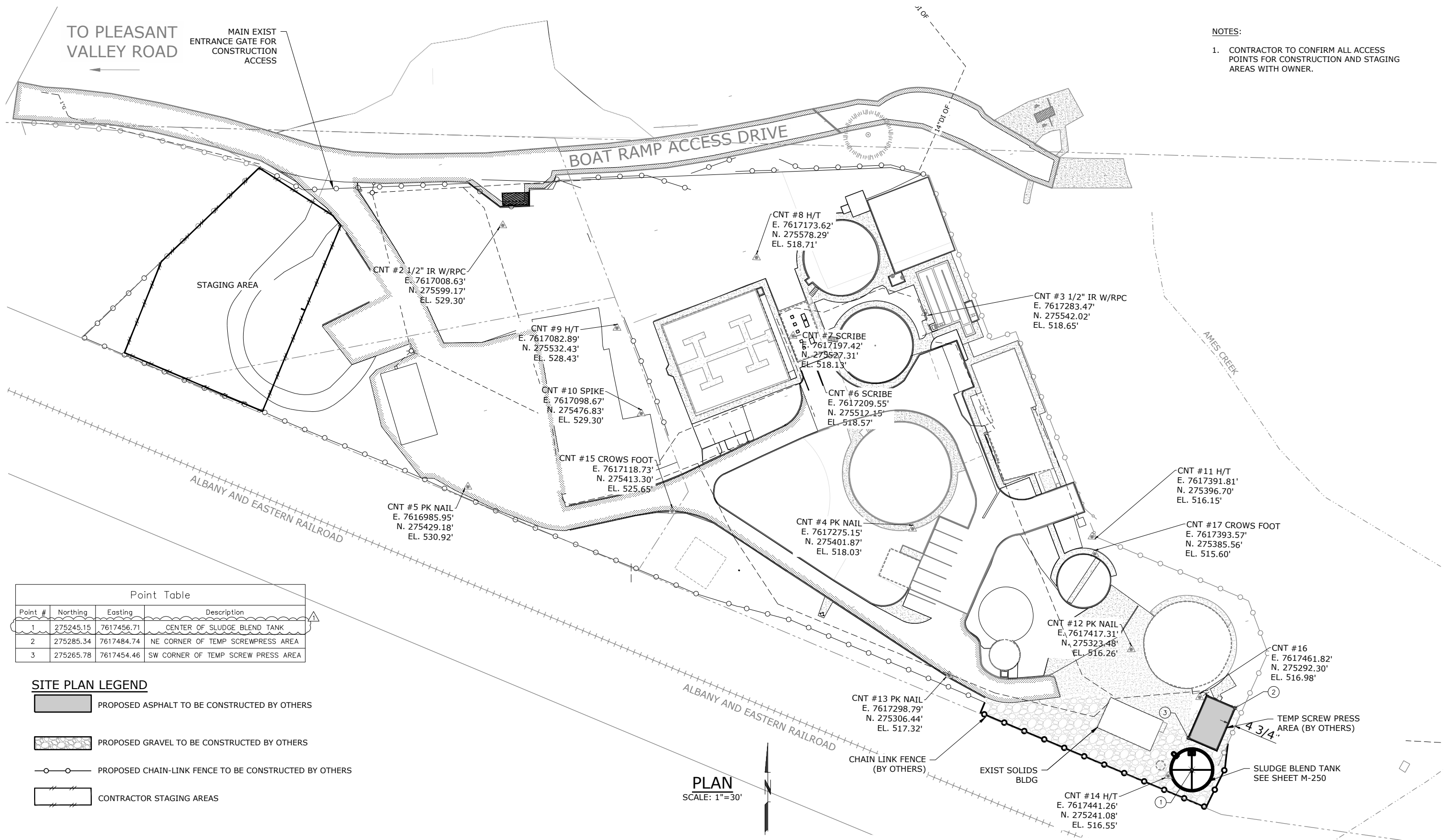
**MAHLER WATER RECLAMATION FACILITY  
SLUDGE BLEND TANK  
DESIGN BUILD**

**SITE DEMOLITION & TREE REMOVAL PLAN**  
PROJECT NO.: 936-50-21-09 SCALE: AS SHOWN DATE: JANUARY 2023

SHEET  
**C-005**  
XX of XX



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- NOTES:
1. CONTRACTOR TO CONFIRM ALL ACCESS POINTS FOR CONSTRUCTION AND STAGING AREAS WITH OWNER.

Point Table			
Point #	Northing	Easting	Description
1	275245.15	7617456.71	CENTER OF SLUDGE BLEND TANK
2	275285.34	7617484.74	NE CORNER OF TEMP SCREW PRESS AREA
3	275265.78	7617454.46	SW CORNER OF TEMP SCREW PRESS AREA

SITE PLAN LEGEND

- PROPOSED ASPHALT TO BE CONSTRUCTED BY OTHERS
- PROPOSED GRAVEL TO BE CONSTRUCTED BY OTHERS
- PROPOSED CHAIN-LINK FENCE TO BE CONSTRUCTED BY OTHERS
- CONTRACTOR STAGING AREAS

PLAN  
SCALE: 1"=30'

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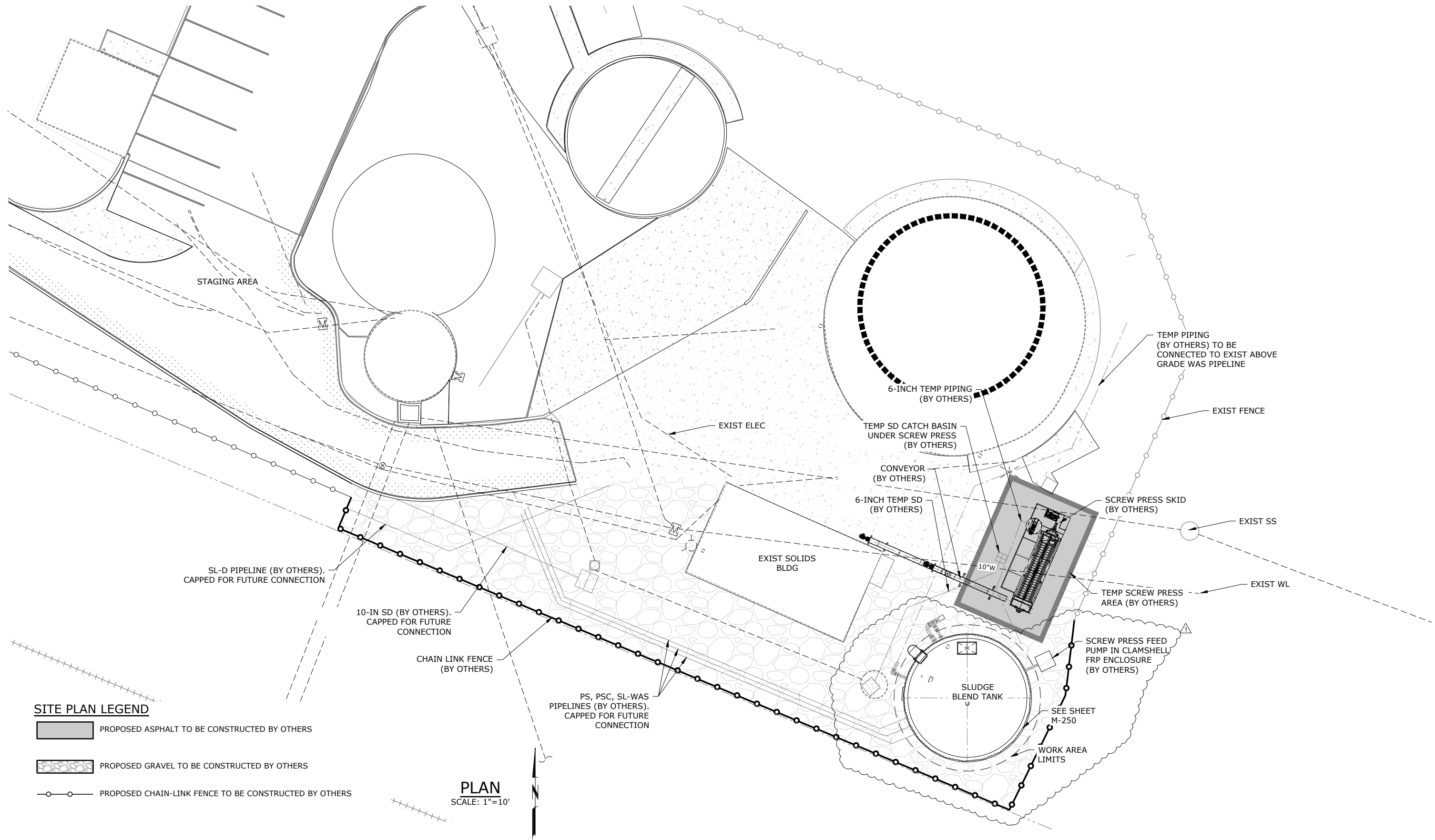
MAHLER WATER RECLAMATION FACILITY  
SLUDGE BLEND TANK  
DESIGN BUILD

OVERALL SITE PLAN, STRUCTURE COORDINATES, STAGING AND ACCESS, SURVEY CONTROL POINTS



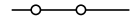
PROJECT NO.: 936-50-21-09 SCALE: AS SHOWN DATE: JANUARY 2023

SHEET  
C-010  
XX of XX

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**SITE PLAN LEGEND**

-  PROPOSED ASPHALT TO BE CONSTRUCTED BY OTHERS
-  PROPOSED GRAVEL TO BE CONSTRUCTED BY OTHERS
-  PROPOSED CHAIN-LINK FENCE TO BE CONSTRUCTED BY OTHERS

**PLAN**  
SCALE: 1"=10'

NO.	DATE	BY	REVISION
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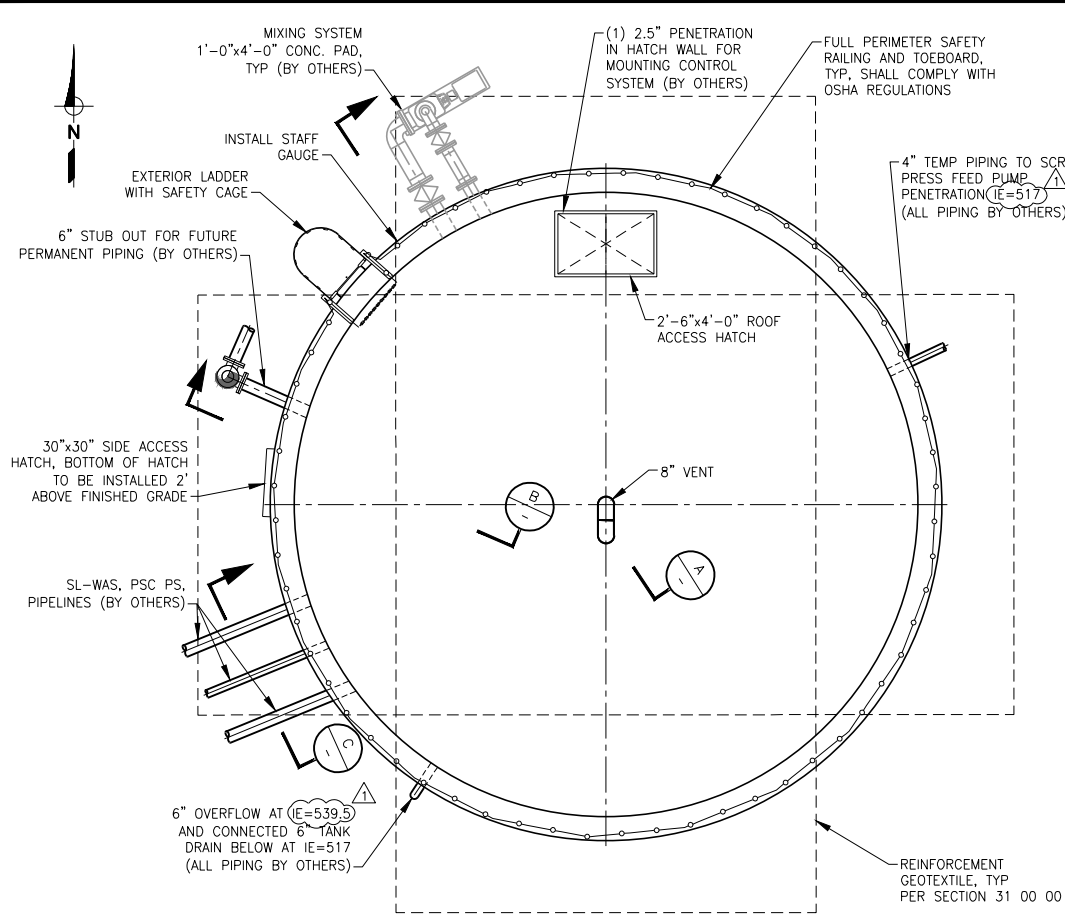


**MAHLER WATER RECLAMATION FACILITY  
SLUDGE BLEND TANK  
DESIGN BUILD**

PROJECT NO.: 936-50-21-09				SCALE: AS SHOWN		DATE: JANUARY 2023	
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SHEET
C-020
3 of XX

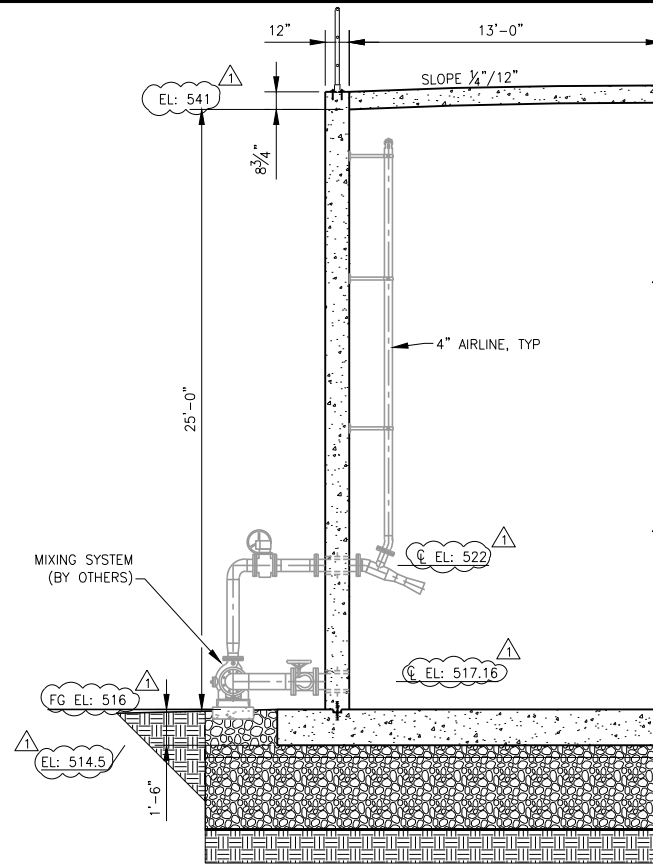
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SLUDGE BLEND TANK

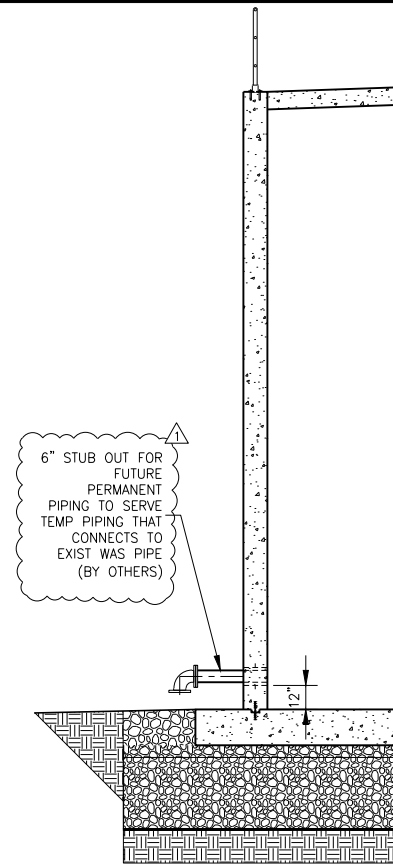
PLAN

SCALE: 1/4"=1'-0"



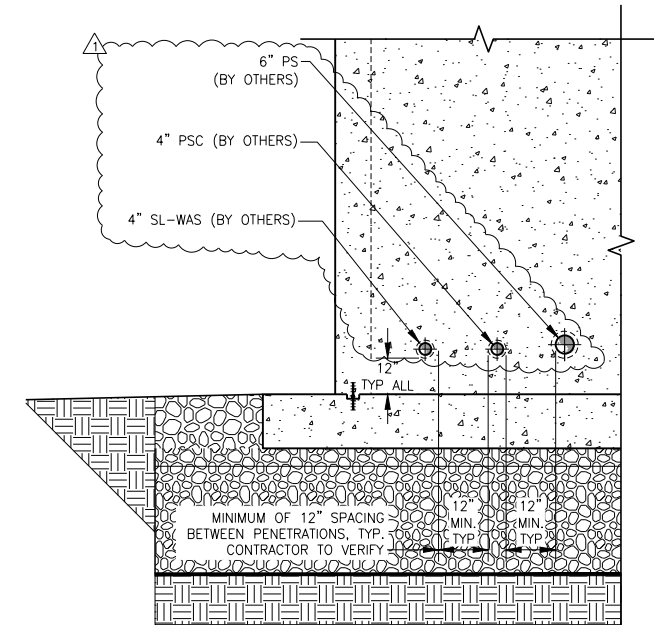
SECTION A-A

SCALE: 1/4"=1'-0"



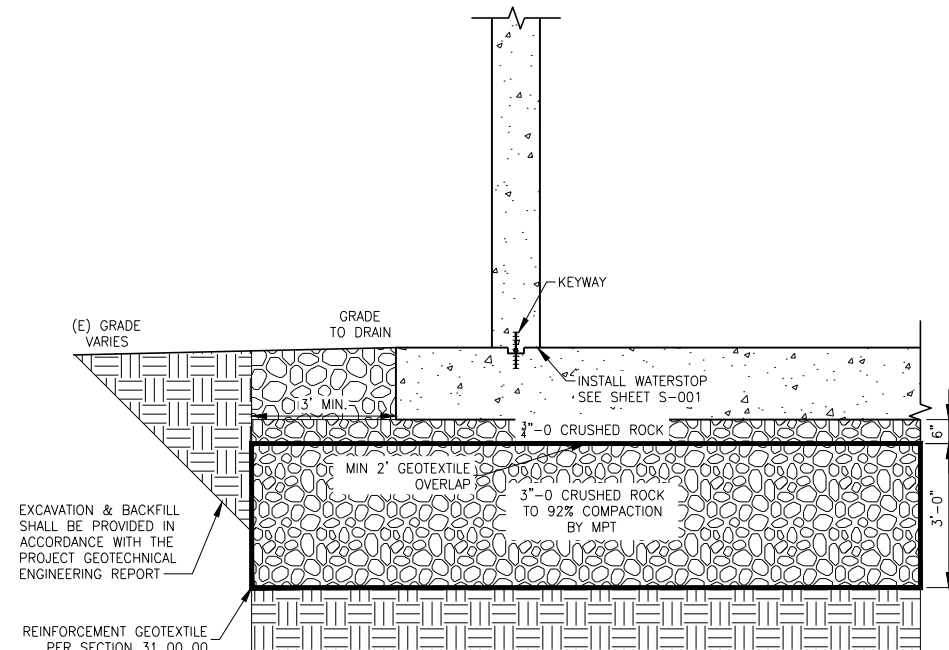
SECTION B-B

SCALE: 1/4"=1'-0"



SECTION C-C

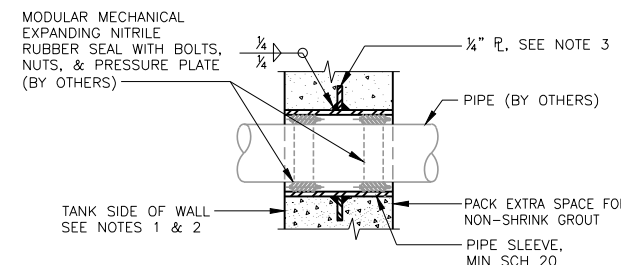
SCALE: 3/8"=1'-0"



TYPICAL BURIED TANK SECTION

DETAIL 1

NOT TO SCALE



TANK WALL PIPE PENETRATION (DOUBLE LINK SEAL)

DETAIL 2

NOT TO SCALE

- NOTES:
1. SLEEVE DIAMETER SHALL BE AS RECOMMENDED BY THE MECHANICAL SEAL MANUFACTURER.
  2. SLEEVE NOT REQUIRED FOR PENETRATION IN EXISTING WALLS.
  3. WEEP RINGS SHALL HAVE A MINIMUM DIAMETER EQUAL TO THE PIPE OR PIPE SLEEVE OUTSIDE DIAMETER PLUS 3-INCHES.
  4. "TANK SIDE OF WALL" SHALL MEAN SIDE OF WALL NORMALLY EXPOSED TO LIQUID, EARTH, OR OUTSIDE ATMOSPHERE.
  5. SEAL WITH MASTIC SEALANT WHERE WALL IS EXPOSED TO LIQUID, EARTH, OR EXPLOSION HAZARD AREA.

NO.	DATE	BY	REVISION
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MAHLER WATER  
RECLAMATION FACILITY  
SLUDGE BLEND TANK  
DESIGN BUILD

SLUDGE BLEND TANK AND MIXING SYSTEM  
PLAN, SECTIONS AND DETAILS

PROJECT NO.: 936-50-21-09 SCALE: AS SHOWN DATE: JANUARY 2023

SHEET

M-250

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**SECTION 02 41 00**  
**DEMOLITION, SALVAGE AND ABANDONMENT**

**PART 1 - GENERAL**

1.01 SECTION INCLUDES

- A. Demolition, salvage, and abandonment of existing facilities.

1.02 REFERENCED SECTIONS

- A. The following Section is referenced in this Section
  - 1. Section 01 33 00 – Submittals
  - 2. Section 31 00 00 – Earthwork

1.03 SUBMITTALS

- A. Comply with Section 01 33 00.
- B. Description of removal procedures for careful removal of materials and equipment and the protection of facilities which are to remain undisturbed.
- C. Time schedule for demolition work. Show demolition in relation to new construction, including any temporary facilities.

1.04 EXISTING CONDITIONS

- A. Prior to the submittal of Bids, Contractor shall visit the site and inspect all facilities to become familiar with existing conditions and utilities.

1.05 REGULATORY REQUIREMENTS

- A. Dispose of debris offsite in accordance with the requirements of agencies having jurisdiction.
- B. Comply with applicable air quality control regulations.
- C. Obtain necessary permits for building demolition, transportation of debris to disposal site(s) and dust control.
- D. Erect appropriate safety devices to protect the general public, Owner's operations personnel, and workers from the hazards of demolition activities. Install barriers, guard rails and fences, and provide appropriate warning signs.

1.06 BURNING

- A. The use of burning at the project site for the disposal of refuse, debris, and waste materials will not be permitted.

**PART 2 - PRODUCTS (NOT USED)**

## **PART 3 - EXECUTION**

### **3.01 GENERAL**

- A. The Drawings identify the major equipment and facilities to be demolished, salvaged, or abandoned. Auxiliary utilities such as water, air, drainage, lubrication oil, electrical wiring, controls, and instrumentation are not necessarily shown. Remove auxiliary utilities, as well as equipment and pipe supports and associated instrumentation devices pertaining to piping or equipment designated to be removed.

### **3.02 PROTECTION OF EXISTING FACILITIES**

- A. Before beginning any cutting, trenching, or demolition work, carefully survey the existing work and examine the Contract Documents to determine the extent of the Work.
- B. Take precautions to prevent damage to facilities which are to remain in place or are to be salvaged, and be responsible for any damages to these facilities resulting from this work. Repair or replace damages to such work to return the facilities to its pre-existing condition at no additional cost to the Owner.

### **3.03 DEMOLITION**

- A. Demolish structures and equipment in an orderly and safe manner.
- B. Dispose of material not identified for salvage or re-installation at a new location.
- C. Minimize dust by sprinkling with water.
- D. Backfill excavations caused by demolition in accordance with Section 31 00 00.

### **3.04 SALVAGE**

- A. Carefully remove and salvage, for reuse by the Owner, items, if any, identified on the Drawings
- B. Remove salvage items in their largest pieces that can be easily handled and stored by Owner's personnel. Remove these items from their existing location and deliver them to a location designated by the Owner.
- C. Remove items to be salvaged in a workmanlike manner and take the necessary precautions to prevent damage to the materials and equipment.

### **3.05 BURIED PIPELINES**

- A. Where buried pipelines are shown to be removed on the Drawings, they may be abandoned in place if there is no conflict with proposed construction and they are not located under or within 10 feet of any proposed structure.

### **3.06 ASBESTOS CEMENT PIPE**

- A. Remove and dispose of asbestos cement pipe disturbed during the performance of the Work. Remove and dispose in accordance with all Federal, State, and local laws, regulations, requirements, and guidelines.
- B. Notify all appropriate authorities prior to performing work related to removal and disposal of asbestos cement pipe.
- C. Provide landfill disposal weight records to Engineer for use as the basis of unit price payment.



- D. Where necessary to connect into existing City asbestos cement potable water lines, perform work in accordance with all Federal, State, and local laws, codes, requirements, and guidelines.

### 3.07 DISPOSAL OF DEMOLISHED MATERIALS

- A. Concrete, site debris, rubbish, and other materials resulting from demolition operations, as well as mechanical and electrical equipment designated to be demolished, shall be the property of the Contractor and shall be legally disposed of at the Contractor's expense.

### 3.08 CLEANING

- A. During and upon completion of the demolition operations, promptly remove unused tools and equipment, surplus materials, rubbish, debris, and dust and shall leave work areas in a clean condition.
- B. Do not sweep, grade, or flush surplus materials, rubbish, or debris into storm drains, channels, lakes, or streams.

**END OF SECTION**

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