



November 21, 2025

Ms. Victoria Venegas  
New Mexico EMNRD  
Oil Conservation Division  
506 W. Texas Ave.  
Artesia, New Mexico 88210

**Re: Request for Permit Modification for a C-147 Facility, Lost Tank and Container Recycling Facility (1RF-479) in Lea County, New Mexico.**

Ms. Venegas,

Select Water Solutions (Select) (OGRID #289068) would like to request a modification of the permit issued for their Lost Tank and Container Recycle Facility. This submission is necessary to align the permit with the current facility configuration and proposed operational changes and formally register all containments.

Select failed to register and permit the three (3) earthen produced water containments upon construction. This permit modification is being submitted to correct the omission from the original C-147 application. The table below outlines the timeline construction in operation of the five (5) constructed containments:

Containment	Start of Construction	Start of Operation
3 Earthen Containments	November 2022	January 2023
2 Aboveground Storage Tanks	February 24, 2022	July 22, 2022

This is a request for permit modification to officially remove one of the above-ground storage tanks from the current permit. The original C-147 submittal dated January 2022 proposed three 30K BBL ASTs; however, only two were constructed. Select would also like to correct the capacity volumes for the constructed ASTs: AST #1 (North) has a capacity of 34,831 BBLS and AST #2 (South) has a capacity of 35,141. Select would also like to request the addition of three new produced water earthen containments to the facility

This permit modification requires and update to the Closure Cost Estimate (CCE) required by 19.15.34.14 NMAC. Select will file a bond for the amount calculated in the new CCE once that amount is approved by NMOCD. Select intends to comply with all variances granted and all previously approved permit conditions. The only deviations from the original permit will be the addition of the three earthen containments and removal of the aforementioned AST.

Enclosed in this package are all the necessary documents that were affected by the modification of this permit.

- Revised C-147 Forms with the Modification Box Checked
- Revised Closure Cost Estimate Stamped by an Engineer Licensed in the State of New Mexico
- Construction Plans (Designed by Magrym Consulting)

- Revised Closure Plan
- Revised Operation & Maintenance (O&M) Plan
- Revised Design and Construction Plan

A bond in the amount estimated will be filed accordingly once approved.

Should you have any questions or require additional information, please contact me by phone at 580-234-8780 or by email at [mratke@envirotechconsulting.com](mailto:mratke@envirotechconsulting.com) at your convenience.

Thank you for your consideration.

Best regards,

**Envirotech Engineering & Consulting, Inc.**



Mitchell Ratke, P.E.

Senior Project Engineer, Energy Infrastructure

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
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Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-147  
Revised April 3, 2017

## Recycling Facility and/or Recycling Containment

**Type of Facility:** ☒ Recycling Facility ☒ Recycling Containment\*  
**Type of action:** ☒ Permit ☐ Registration  
☒ Modification ☐ Extension  
☐ Closure ☐ Other (explain) \_\_\_\_\_

\* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Select Water Solutions (For multiple operators attach page with information) OGRID #: 289068  
Address: 1820 North I-35, Gainesville, TX 76240  
Facility or well name (include API# if associated with a well): Lost Tank Aboveground Storage Tank #1 North  
OCD Permit Number: 1RF-479 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr L2 & L3 Section 18 Township 22 South Range 32 East County: Lea  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.392173 Longitude -103.720522 NAD83  
Proposed Use: ☒ Drilling\* ☒ Completion\* ☒ Production\* ☒ Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*  
☒ Fluid Storage  
☒ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
☒ **Recycling Containment:**  
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 32.391645 Longitude -103.720590 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness 40/30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 34,831 bbl Dimensions: L \_\_\_\_\_ x W 158 x D 10  
☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

**Bonding:**

- ☐ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- ☒ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$ 2,082,335.38 (work on these facilities cannot commence until bonding amounts are approved)
- ☒ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

**Fencing:**

- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify 8-ft Tall Wire Mesh Game Fence

6.

**Signs:**

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

7.

**Variances:**

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

***Check the below box only if a variance is requested:***

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

**If a Variance is requested, it must be approved prior to implementation.**

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**Siting Criteria for Recycling Containment**

**Instructions:** The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

**General siting****Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No  
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

☐ Yes ☒ No  
☐ NA

- Written confirmation or verification from the municipality; written approval obtained from the municipality

Within the area overlying a subsurface mine.

☐ Yes ☒ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

Within an unstable area.

☐ Yes ☒ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

Within a 100-year floodplain. FEMA map

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

☐ Yes ☒ No

- Topographic map; visual inspection (certification) of the proposed site

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Yes ☒ No

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

Within 500 feet of a wetland.

☐ Yes ☒ No

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site



9.

**Recycling Facility and/or Containment Checklist:**

**Instructions:** Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.


- ☒ Design Plan - based upon the appropriate requirements.
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☒ Closure Plan - based upon the appropriate requirements.
- ☒ Site Specific Groundwater Data -
- ☒ Siting Criteria Compliance Demonstrations -
- ☒ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

**Operator Application Certification:**

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kim Henderson Title: Sr Director

Signature:  Date: 11/19/25

e-mail address: khenderson@selectwater.com Telephone: 405-664-0158

11.

OCD Representative Signature: Victoria Venegas Approval Date: 12/10/2025

Title: Environmental Specialist OCD Permit Number: 1RF-479

☐ OCD Conditions \_\_\_\_\_

☒ Additional OCD Conditions on Attachment

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☒ Modification ☐ Extension  
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1.

Operator: Select Water Solutions (For multiple operators attach page with information) OGRID #: 289068  
Address: 1820 North I-35, Gainesville, TX 76240  
Facility or well name (include API# if associated with a well): Lost Tank Aboveground Storage Tank #2 South  
OCD Permit Number: 1RF-479 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr L2 & L3 Section 18 Township 22 South Range 32 East County: Lea  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude 32.392173 Longitude -103.720522 NAD83

Proposed Use: ☒ Drilling\* ☒ Completion\* ☒ Production\* ☒ Plugging \*

*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*

☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*

☒ Fluid Storage

☒ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_

☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_

☐ For multiple or additional recycling containments, attach design and location information of each containment

☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.

☒ **Recycling Containment:**

☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)

Center of Recycling Containment (if applicable): Latitude 32.391154 Longitude -103.720564 NAD83

☐ For multiple or additional recycling containments, attach design and location information of each containment

☒ Lined ☐ Liner type: Thickness 40/30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

☐ String-Reinforced

Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 35,141 bbl Dimensions: L \_\_\_\_\_ x W 159 x D 10

☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

**Bonding:**

- ☐ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
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- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
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**Signs:**

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
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☐ Yes ☒ No  
☐ NA

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☐ Yes ☒ No  
☐ NA

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**Operator Application Certification:**

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kim Henderson Title: Sr Director  
Signature:  Date: 11/19/25  
e-mail address: khenderson@selectwater.com Telephone: 405-664-0158

11.

OCD Representative Signature: Victoria Venegas Approval Date: 12/10/2025

Title: Environmental Specialist OCD Permit Number: 1RF-479

- ☒ OCD Conditions \_\_\_\_\_
- ☐ Additional OCD Conditions on Attachment

District I  
1625 N. French Dr., Hobbs, NM 88240  
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☒ Modification ☐ Extension  
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1.  
Operator: Select Water Solutions (For multiple operators attach page with information) OGRID #: 289068  
Address: 1820 North I-35, Gainesville, TX 76240  
Facility or well name (include API# if associated with a well): Lost Tank Produced Water Containment #1  
OCD Permit Number: 1RF-479 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr L2 & L3 Section 18 Township 22 South Range 32 East County: Lea  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.392173 Longitude -103.720522 NAD83  
Proposed Use: ☒ Drilling\* ☒ Completion\* ☒ Production\* ☒ Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*  
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☐ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
☒ **Recycling Containment:**  
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 32.393498 Longitude -103.721804 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness 60/40 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 406,845 bbl Dimensions: L 580 x W 342 x D 18  
☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

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NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

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☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

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Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

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☒ **Recycling Facility:**  
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☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*  
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☐ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
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☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 32.393468 Longitude -103.720566 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness 60/40 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 412,017 bbl Dimensions: L 580 x W 342 x D 18  
☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

**Bonding:**

- ☐ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- ☒ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$2,082,335.38 (work on these facilities cannot commence until bonding amounts are approved)
- ☒ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

**Fencing:**

- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify 8-ft Tall Wire Mesh Game Fence

6.

**Signs:**

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

7.

**Variances:**

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

***Check the below box only if a variance is requested:***

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

**If a Variance is requested, it must be approved prior to implementation.**

8.

**Siting Criteria for Recycling Containment**

**Instructions:** The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

**General siting****Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No  
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

☐ Yes ☒ No  
☐ NA

- Written confirmation or verification from the municipality; written approval obtained from the municipality

Within the area overlying a subsurface mine.

☐ Yes ☒ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

Within an unstable area.

☐ Yes ☒ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

Within a 100-year floodplain. FEMA map

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

☐ Yes ☒ No

- Topographic map; visual inspection (certification) of the proposed site

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Yes ☒ No

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

Within 500 feet of a wetland.

☐ Yes ☒ No

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

9.

**Recycling Facility and/or Containment Checklist:**


**Instructions:** Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☒ Design Plan - based upon the appropriate requirements.
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☒ Closure Plan - based upon the appropriate requirements.
- ☒ Site Specific Groundwater Data -
- ☒ Siting Criteria Compliance Demonstrations –
- ☒ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

**Operator Application Certification:**

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kim Henderson Title: Sr Director  
Signature:  Date: 11/19/25  
e-mail address: khenderson@selectwater.com Telephone: 405-664-0158

11.

OCD Representative Signature: Victoria Venegas Approval Date: 12/10/2025

Title: Environmental Specialist OCD Permit Number: 1RF-479

- ☐ OCD Conditions \_\_\_\_\_
- ☐ Additional OCD Conditions on Attachment \_\_\_\_\_

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-147  
Revised April 3, 2017

## Recycling Facility and/or Recycling Containment

**Type of Facility:** ☒ Recycling Facility ☒ Recycling Containment\*  
**Type of action:** ☒ Permit ☐ Registration  
☒ Modification ☐ Extension  
☐ Closure ☐ Other (explain) \_\_\_\_\_

**\* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Select Water Solutions (For multiple operators attach page with information) OGRID #: 289068  
Address: 1820 North I-35, Gainesville, TX 76240  
Facility or well name (include API# if associated with a well): Lost Tank Produced Water Containment #3  
OCD Permit Number: 1RF-479 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr L2 & L3 Section 18 Township 22 South Range 32 East County: Lea  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.392173 Longitude -103.720522 NAD83  
Proposed Use: ☒ Drilling\* ☒ Completion\* ☒ Production\* ☒ Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*  
☒ Fluid Storage  
☐ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
☒ **Recycling Containment:**  
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 32.391729 Longitude -103.721814 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness 60/40 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 426,525 bbl Dimensions: L 600 x W 342 x D 18  
☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

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**Bonding:**

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- ☒ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

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Name (Print): Kim Henderson Title: Sr Director  
Signature:  Date: 11/19/25  
e-mail address: khenderson@selectwater.com Telephone: 405-664-0158

11.

OCD Representative Signature: Victoria Venegas Approval Date: 12/10/2025

Title: Environmental Specialist OCD Permit Number: 1RF-479

- ☒ OCD Conditions \_\_\_\_\_
- ☐ Additional OCD Conditions on Attachment \_\_\_\_\_



# ENVIROTECH

## ENGINEERING

Lost Tank Recycle Facility  
Lea County, New Mexico  
Closure Cost Estimate  
025311-00

Item	Units	Quantity	\$/Unit	Estimate Cost
<b>Facility Closure</b>				
1 Fluid removal				
Lost Tank Produced Water Containment #1	bbls	406,845	\$ 0.50	\$ 203,422.50
Lost Tank Produced Water Containment #2	bbls	412,017	\$ 0.50	\$ 206,008.50
Lost Tank Produced Water Containment #3	bbls	426,525	\$ 0.50	\$ 213,262.50
Lost Tank Above ground Storage Tank #1	bbls	34,831	\$ 0.50	\$ 17,415.50
Lost Tank Above ground Storage Tank #2	bbls	35,141	\$ 0.50	\$ 17,570.50
2 Vac truck (final fluid removal)	hrs	80	\$ 125.00	\$ 10,000.00
3 Liner removal (fold-in-place)				
Erosion Control Liner	SF	110,001	\$ 0.18	\$ 19,800.18
Lost Tank Recycle Facility Liner removal and disposal	SF	2,719,615	\$ 0.18	\$ 489,530.70
4 Equipment removal				
Pit clean-out and residue haul-off	LS	1	\$ 20,000.00	\$ 20,000.00
Equipment removal (tanks, gun barrel, FWKO)	LS	1	\$ 7,500.00	\$ 7,500.00
Electrical decommissioning (pumps and panels)	LS	1	\$ 10,000.00	\$ 10,000.00
Misc equipment clean-up and removal	hr	200	\$ 135.00	\$ 27,000.00
5 Site Restoration				
Lost Tank Recycle Facility	CY	158,265	\$ 5.00	\$ 791,325.00
Dozer - push in berms (bid) and final grading of the site Re-vegetation	AC	33.0	\$ 1,500.00	\$ 49,500.00
<b>Estimated Total</b>			<b>\$ 2,082,335.38</b>	

**Assumptions**

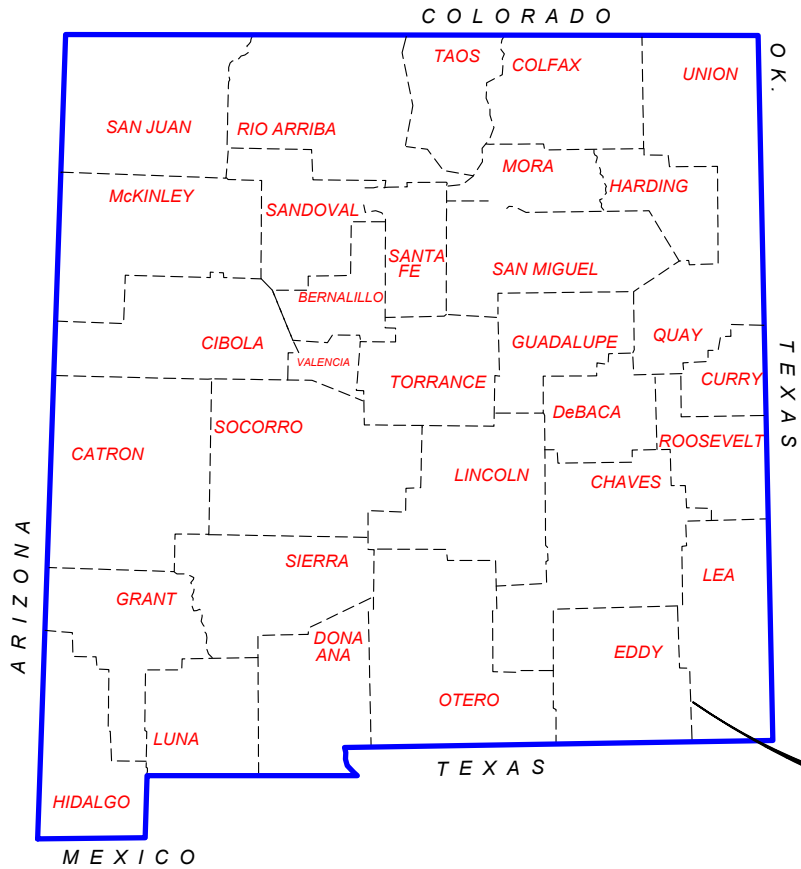
No Remediation will be necessary

Pit is full at time of closure

Pit berms above natural grade will be used to fill voids below natural grade







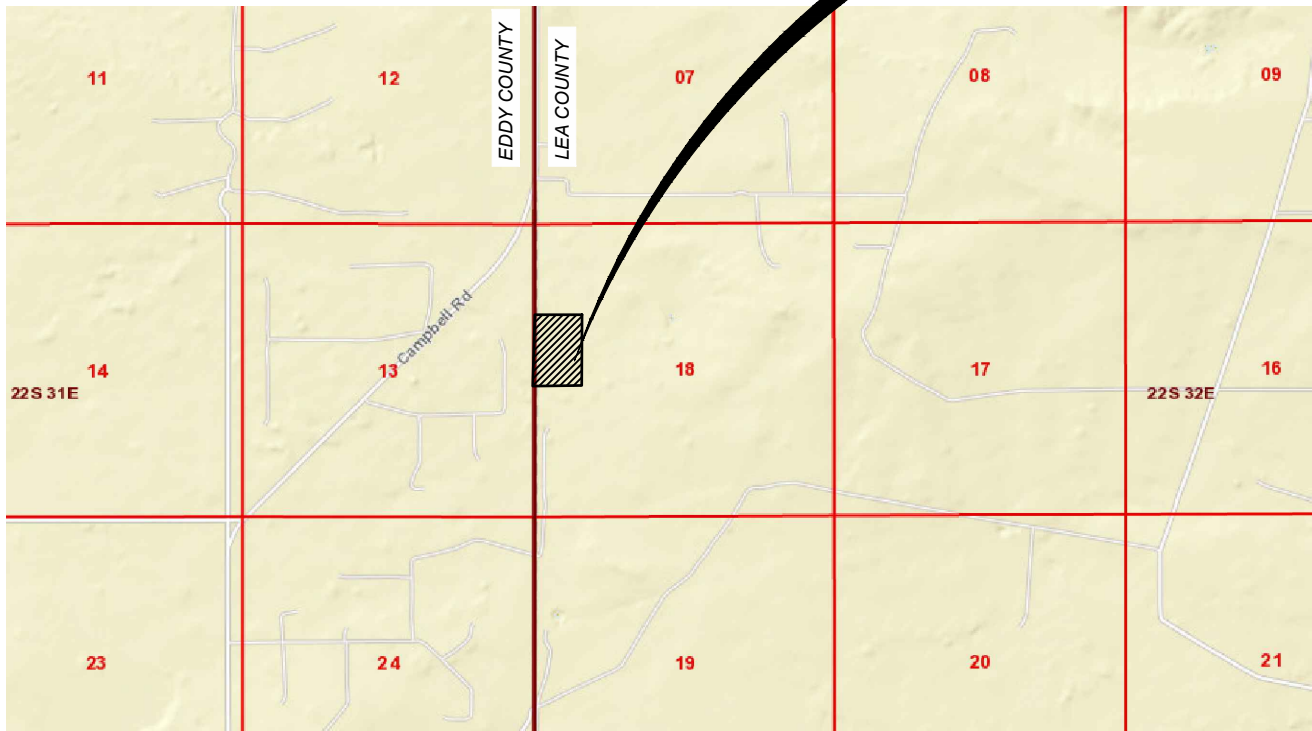
# SELECT ENERGY SERVICES

## LOST TANK WATER TREATMENT AND REUSE FACILITY

### S18, T22S, R32E

### LEA COUNTY, NEW MEXICO

SELECT ENERGY  
LOST TANK



#### INDEX OF SHEETS

- C-100 - COVER SHEET
- C-101 - EXISTING CONDITIONS
- C-102 - OVERALL SITE PLAN
- C-103 - PROPOSED SITE PLAN
- C-104 - PROPOSED LINER AND FENCE PLAN
- C-105 - PROPOSED BIRD HAZER
- C-106 - SUMMARY OF GENERAL NOTES
- C-107 - SUMMARY OF QUANTITIES
- C-108 - GRADING PLAN
- C-109 - CONTROL PLAN I
- C-110 - CONTROL PLAN II
- C-111 - CROSS SECTIONS I
- C-112 - CROSS SECTIONS II
- C-113 - LEAK DETECTION SYSTEM DETAILS
- C-114 - MISCELLANEOUS DETAILS
- C-115 - LEVEE DETAILS
- C-116 - PAD AND ROAD DETAILS
- C-117 - FENCE DETAILS
- C-118 - GAGE / LADDER DETAILS
- C-119 - CATTLE GUARD
- C-120 - AST LEAK DETECTION SYSTEM DETAILS
- C-121 - SLOPE PROTECTION DETAILS



*[Signature]*  
02/01/2022



Magrym Consulting, Inc.  
110 W. Louisiana Ave. Ste 314  
Midland, TX 79701  
(432) 999-2737  
www.magrym.com

IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC
R-X	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			

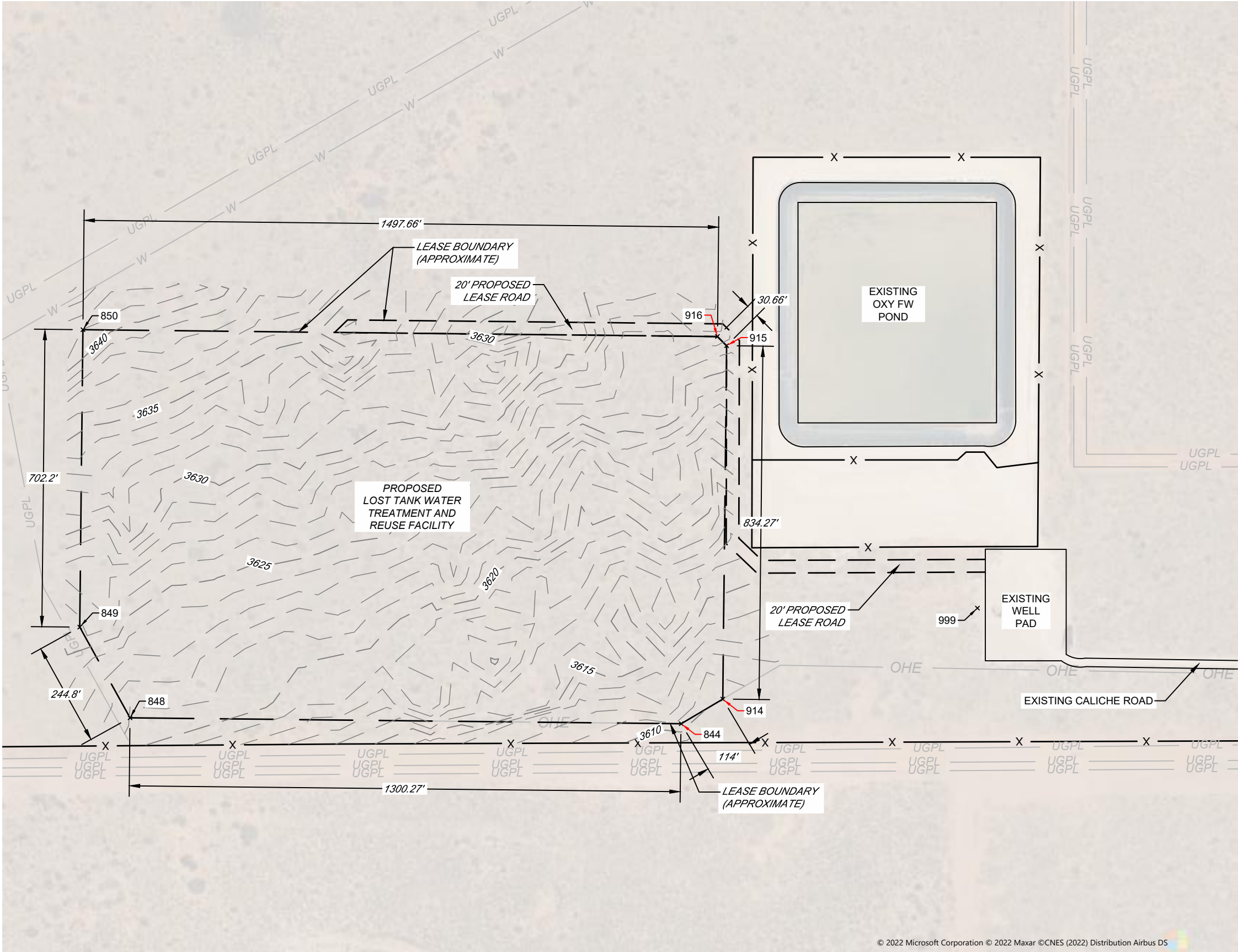


Select Energy Services  
1233 West Loop South  
Suite 1400  
Houston, TX 77027  
www.Selectenergyservices.com

LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

#### COVER SHEET

HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 100



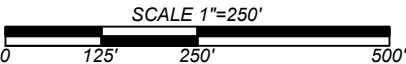
Control Point Table				
Point #	Northing	Easting	Elevation	Desc
916	506388.06'	730702.17'		COR
844	506473.46'	729787.91'		COR
914	506375.41'	729846.06'		COR
850	507885.53'	730718.11'		COR
915	506366.41'	730680.48'		COR
999	505774.38'	730060.82'	3609.7	CP TOPO
848	507774.27'	729801.88'		COR
849	507893.02'	730015.95'		COR

- IMPORTANT SURVEY NOTES:
1. CONTRACTOR SHALL VERIFY ALL COORDINATES AND DIMENSIONS FROM THE LEASE BOUNDARY PLATS.
  2. ALL BOUNDARY, TOPOGRAPHIC AND UTILITY INFORMATION SHOWN ARE BASED ON SURVEY INFORMATION FURNISHED BY BASIN SURVEYS, LLC.
  3. THE CONTRACTOR SHALL IDENTIFY AND LOCATE UTILITY LINES, MONITORING WELLS, SURVEY MONUMENTS, AND OTHER NEARBY STRUCTURES PRIOR TO PERFORMING WORK.
  4. COORDINATE INFORMATION IS BASED ON STATE PLANE NEW MEXICO EAST, NAD 83.

LEGEND	
EXISTING FENCE	— x —
EXISTING WATERLINE	— W —
EXISTING OVERHEAD ELECTRIC	— OHE —
EXISTING PIPELINE	— UGPL —
PROPOSED LEASE BOUNDARY	— X —
EXISTING GRADE CONTOURS (1 FT INTERVAL)	— — — —



02/01/2022



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IFC	DESCRIPTION	DATE	BY
R-X	ISSUED FOR CONSTRUCTION	02/01/22	CSC
REVISIONS (OR CHANGE NOTICES)			

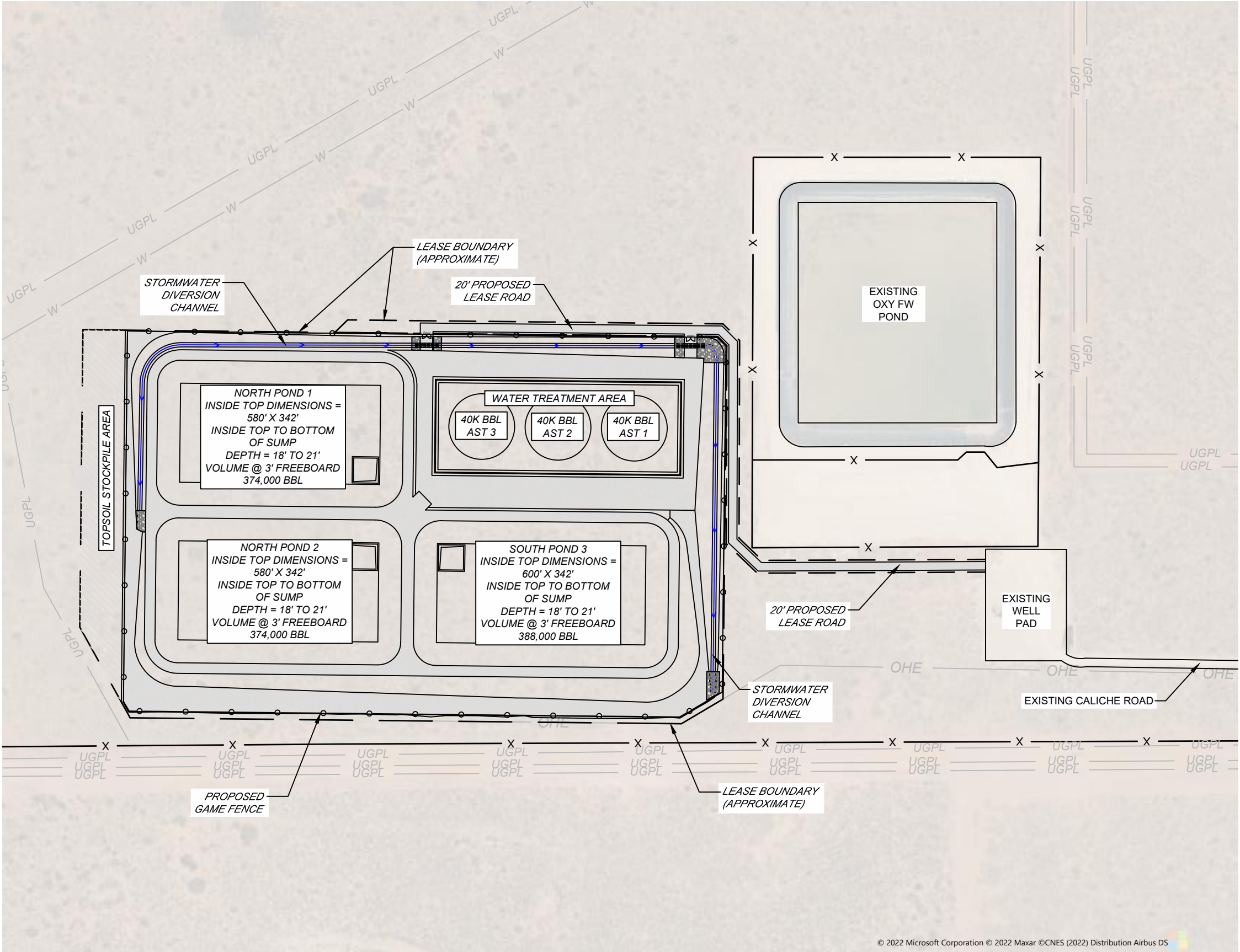


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www.Selectenergyservices.com

LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

EXISTING CONDITIONS	
HORIZONTAL SCALE: 1"=250'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 101





- LEGEND**
- EXISTING FENCE — x —
  - EXISTING OVERHEAD ELECTRIC — W —
  - EXISTING PIPELINE — OHE —
  - EXISTING WATERLINE — UGPL —
  - PROPOSED LEASE BOUNDARY — —
  - PROPOSED 8' GAME FENCE — —
  - PROPOSED DRIVING SURFACE — —
  - PROPOSED STORMWATER FLOW — —
  - PROPOSED RIPRAP — —



02/01/2022



SCALE 1"=250'

0 125' 250' 500'



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IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC
R-X	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			

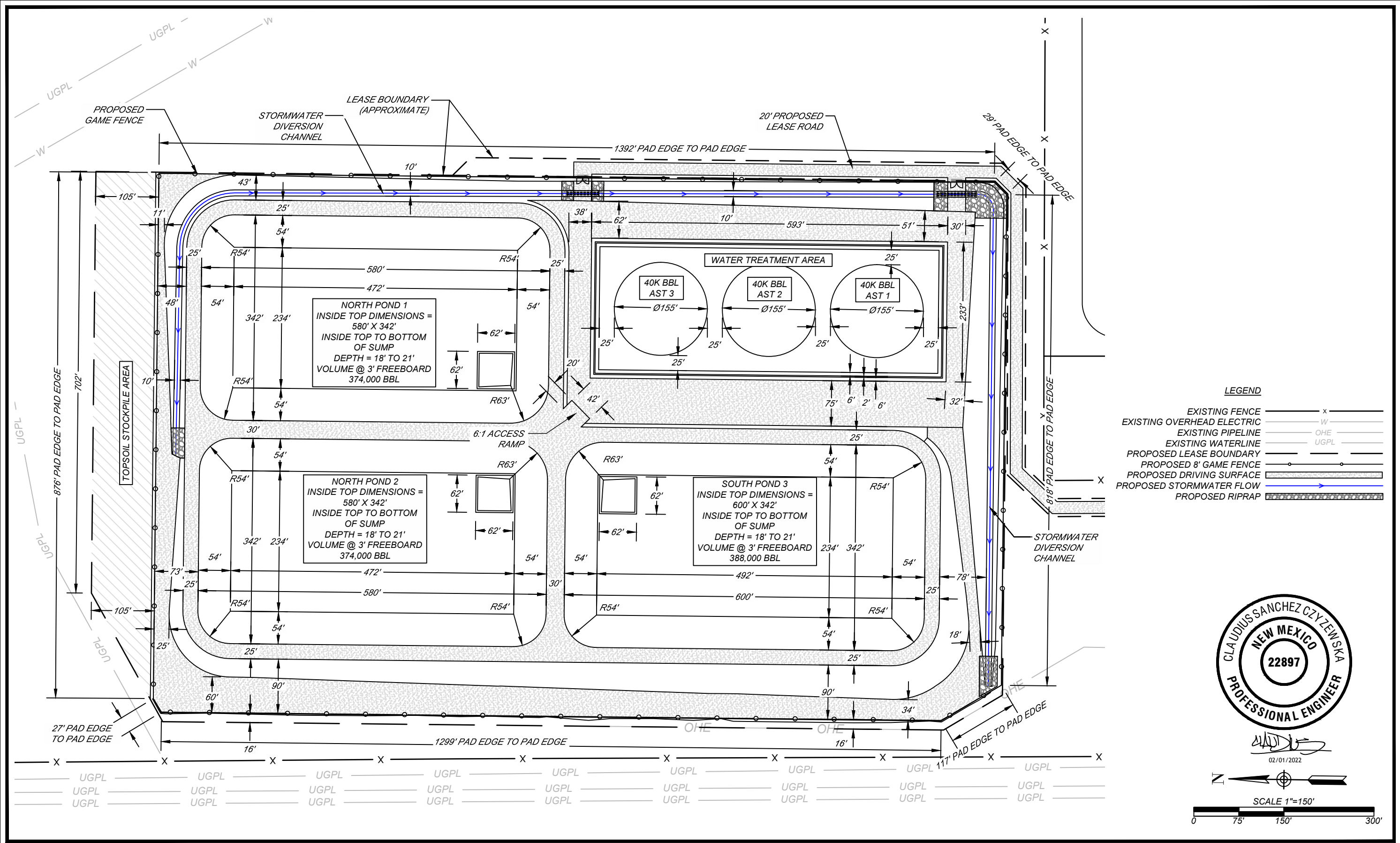


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LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

OVERALL SITE PLAN

HORIZONTAL SCALE: 1"=250'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 102





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IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC
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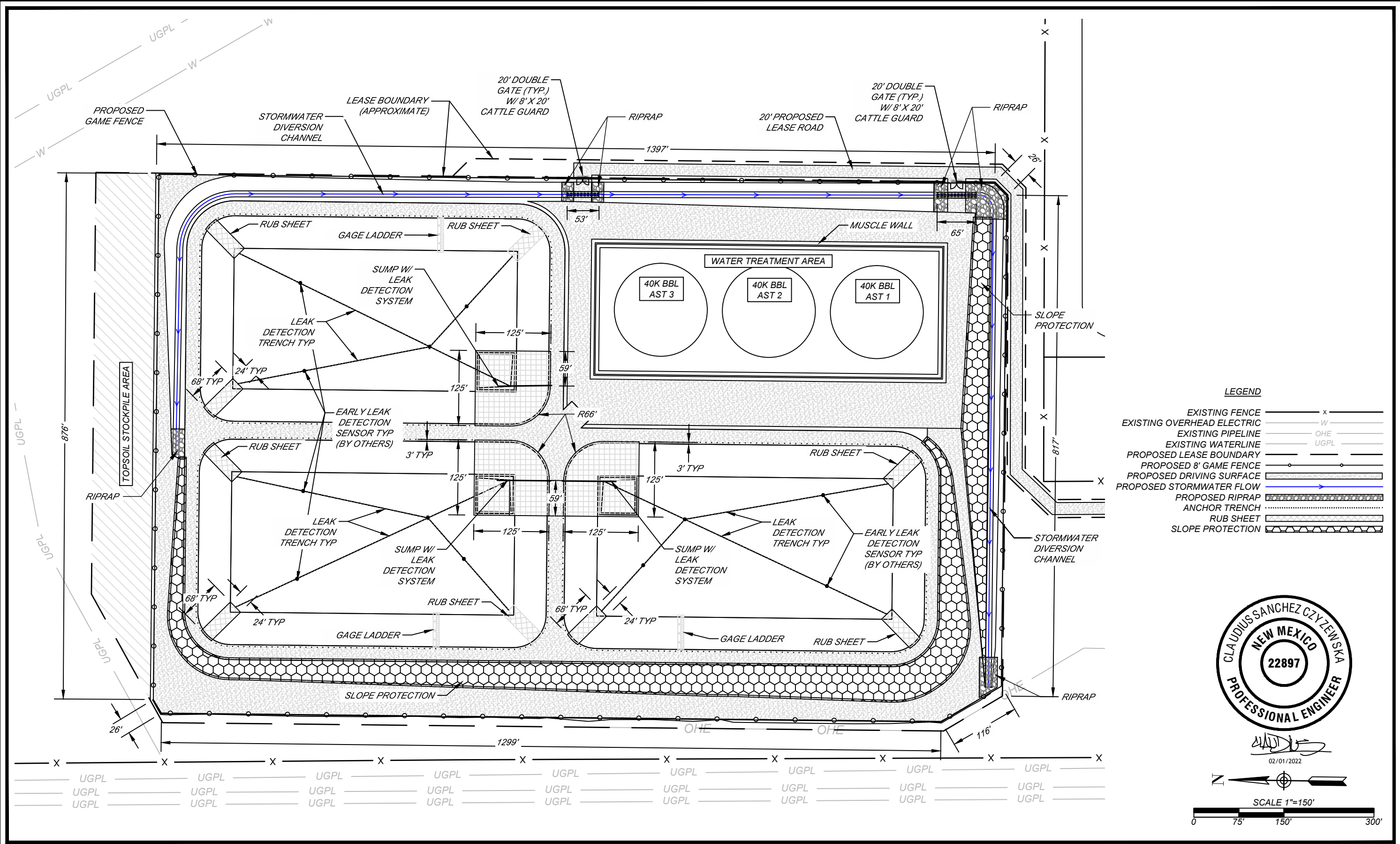


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LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

PROPOSED SITE PLAN	
HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 103







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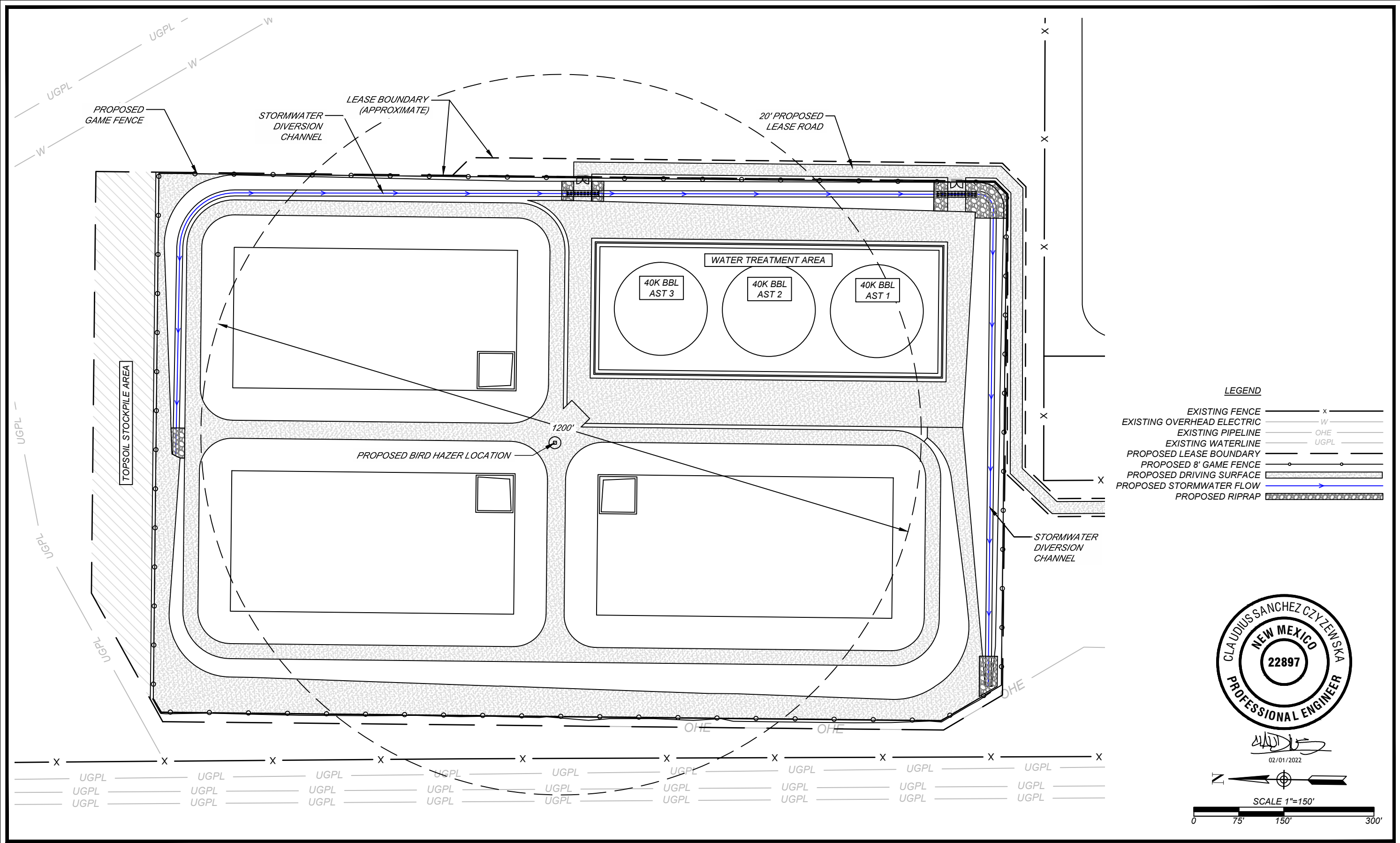
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LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

PROPOSED LINER AND FENCE PLAN	
HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 104



 Magrym Consulting, Inc. 110 W. Louisiana Ave. Ste 314 Midland, TX 79701 (432) 999-2737 www.magrym.com TBPE F-19848				 Select Energy Services 1233 West Loop South Suite 1400 Houston, TX 77027 www.Selectenergyservices.com	<b>LOST TANK WATER TREATMENT AND REUSE FACILITY</b> S18 T22S R32E LEA COUNTY, NM SELECT ENERGY SERVICES	<b>PROPOSED BIRD HAZER</b> HORIZONTAL SCALE: 1"=150' PRINT DATE: 2/1/2022 PROJECT NO. 20-104 SUBSET: CIVIL VERTICAL SCALE: NTS DESIGNED BY: NC CHECKED BY: CSC/EMH SHEET: C - 105	
	IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC			
	R-X	DESCRIPTION	DATE	BY			
	REVISIONS (OR CHANGE NOTICES)						



GENERAL NOTES

- NEW MEXICO ADMINISTRATIVE CODE TITLE 19, CHAPTER 15, PART 34, DESIGN CRITERIA FOR RECYCLING CONTAINMENTS SHALL APPLY TO THIS PROJECT.
- ALL BOUNDARY, TOPOGRAPHIC AND UTILITY INFORMATION SHOWN ARE BASED ON SURVEY INFORMATION FURNISHED BY BASIN SURVEYS, LLC.
- THE CONTRACTOR SHALL IDENTIFY AND LOCATE UTILITY LINES, MONITORING WELLS, SURVEY MONUMENTS, AND OTHER NEARBY STRUCTURES PRIOR TO PERFORMING WORK.
- COORDINATE INFORMATION IS BASED ON STATE PLANE COORDINATES, NEW MEXICO EAST, NAD 83.
- THE CONTRACTOR SHALL IDENTIFY ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION AND CONTACT THE ENGINEER IN WRITING.
- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN BEST MANAGEMENT PRACTICES (BMPs) TO MINIMIZE EROSION AND CONTROL SEDIMENT TO PROTECT SURFACE WATER QUALITY DURING STORM EVENTS.

EARTHWORK NOTES

- THE CONTRACTOR SHALL USE WATER FOR COMPACTION AT ALL TIMES. THE CONTRACTOR SHALL ENSURE THEIR BID INCLUDES CONSTRUCTION WATER. NO EARTHWORK OPERATIONS SHALL TAKE PLACE IF CONSTRUCTION WATER IS NOT AVAILABLE ONSITE.
- THE CONTRACTOR SHALL BUILD THE LEVEES USING COMPACTED LAYERS. UNCONTROLLED AND INCONSISTENT PUSHING AND PILING OF MATERIAL FOR LEVEE CONSTRUCTION IS NOT ACCEPTABLE. THE CONTRACTOR SHALL DEVELOP A SUCCESSFUL COMPACTION PATTERN EARLY IN THE PROCESS, VERIFIED THROUGH NUCLEAR DENSITY OR SAND CONE TESTING, AND SHALL MAINTAIN CONSISTENCY IN THE COMPACTIVE EFFORT AS LONG AS THE MATERIALS ENCOUNTERED REMAINS CONSISTENT. IF ONSITE SOILS ENCOUNTERED CHANGE, THE CONTRACTOR SHALL DEVELOP A NEW COMPACTION PATTERN. FILL FOR LEVEES SHALL BE PLACED AND COMPACTED IN HORIZONTAL LIFTS WITH MAXIMUM LOOSE LIFT THICKNESS OF 10 INCHES, OR AS DIRECTED BY ENGINEER. CONSTRUCT EACH LAYER CONTINUOUSLY AND APPROXIMATELY HORIZONTAL FOR THE WIDTH AND LENGTH OF THE LEVEE. FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D698 AND AT MOISTURE CONTENT WITHIN +2% TO -2% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY A STANDARD PROCTOR SOILS TEST ON SAMPLES FROM THE SOURCE AREA.
- FILL SHALL NOT BE PLACED AND COMPACTED WHEN THE MATERIALS ARE TOO WET TO PROPERLY COMPACT. MATERIAL WHICH IS TOO WET SHALL BE SPREAD ON THE FILL AREA AND PERMITTED TO DRY, ASSISTED BY HARROWING IF NECESSARY, UNTIL THE MOISTURE CONTENT IS REDUCED TO ALLOWABLE LIMITS. IF THE ENGINEER DETERMINED THAT ADDED MOISTURE IS REQUIRED, WATER SHALL BE APPLIED UNIFORMLY OVER THE AREA TO BE TREATED, AND GIVE COMPLETE AND ACCURATE CONTROL OF THE AMOUNT OF WATER TO BE USED. IF TOO MUCH WATER IS ADDED, THAT AREA SHALL BE PERMITTED TO DRY BEFORE COMPACTION IS CONTINUED.
- PERFORM ONE NUCLEAR DENSITY GAGE TEST PER 2500 CY MINIMUM OR AS DIRECTED BY THE ENGINEER.
- EARTHWORK CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF THE FINISHED COMPACTED POND BOTTOM AND SIDE SLOPES BEFORE HDPE LINER INSTALLATION, REMOVING ALL DEBRIS, SHARP OBJECTS AND GRAVEL LARGER THAN 3/4 INCH.
- EARTHWORK CONTRACTOR SHALL ROLL SURFACE WITH A SMOOTH ROLLER TO ELIMINATE RUTS.

LINER NOTES

- LINER CONTRACTOR SHALL INSPECT GRADED SURFACE FOR DEBRIS, ROCKS OR OTHER MATERIAL THAT MAY DAMAGE THE LINER AND COORDINATE WITH OWNER IF ADDITIONAL SUBGRADE RESURFACING IS NEEDED PRIOR TO PERFORMING WORK.
- LINER CONTRACTOR TO PROVIDE SUBMITTAL OF LINER PANEL LAYOUT.
- LINER CONTRACTOR TO SIGN SUBGRADE ACCEPTANCE FORM (PROVIDED BY OWNER REPRESENTATIVE) DAILY PRIOR TO INSTALLATION.
- LINER TO BE INSTALLED PER GRI SPECIFICATIONS, GUIDES AND PRACTICES.
- CONTRACTOR SHALL PLACE SANDBAGS ON LINER DURING INSTALLATION AS REQUIRED TO PREVENT WIND UPLIFT UNTIL POND IS FILLED TO A DEPTH OF 3 FEET.
- CONTRACTOR SHALL USE BLACK 60 MIL HDPE SMOOTH GEOMEMBRANE AS THE PRIMARY LINER AND BLACK 40 MIL HDPE SMOOTH GEOMEMBRANE AS THE SECONDARY LINER.
- A 3' DIAMETER MINIMUM PIECE OF 40MIL LINER SHALL BE EXTRUDED WELDED WHERE THE PIE SHAPED CORNER SECTIONS MEET FOR SEAM REINFORCEMENT.
- INSTALL A FULL DOUBLE WIDTH SECTION OF BLACK OR WHITE 60 MIL TEXTURED HDPE GEOMEMBRANE RUB SHEET. EXTRUDE WELD TO LINER. WELDS SHALL BE 2" LONG AND SPACED EVERY 12" ALONG BOTH SIDES OF THE SHEET. DO NOT WELD END EDGES. SECTION SHALL EXTEND FROM SUMP AND INSTALLED INTO LINER ANCHOR TRENCH AS SHOWN.
- ALL SEAMS MUST BE WELDED WITH A 6" MINIMUM OVERLAP.
- CONTRACTOR SHALL NON-DESTRUCTIVELY TEST ALL SEAMS THEIR FULL LENGTH USING AN AIR PRESSURE OR VACUUM TEST, THE PURPOSE OF THIS TEST IS TO CHECK THE CONTINUITY OF THE SEAM.
- FOR AIR PRESSURE TESTING (ASTM 5820), THE FOLLOWING PROCEDURES ARE APPLICABLE TO THE SEAMS WELD WITH DOUBLE SEAM FUSION WELDER.
  - THE EQUIPMENT USED SHALL CONSIST OF AN AIR TANK OR PUMP CAPABLE OF PRODUCING A MINIMUM 35 PSI AND A SHARP NEEDLE WITH A PRESSURE GAUGE ATTACHED TO INSERT INTO THE AIR CHAMBER.
  - SEAL BOTH ENDS OF THE SEAM BY HEATING AND SQUEEZING THEM TOGETHER. INSERT THE NEEDLE WITH THE GAUGE INTO THE AIR CHANNEL. PRESSURIZE THE AIR CHANNEL TO A MINIMUM OF 35 PSI. NOTE TIME STARTS AND WAIT A MINIMUM OF 5 MINUTES TO CHECK. IF PRESSURE AFTER 5 MINUTES HAD DROPPED LESS THAN 2 PSI THE TEST IS SUCCESSFUL (THICKNESS OF MATERIAL MAY CAUSE VARIANCE).
  - CUT OPPOSITE SEAM END AND LISTEN FOR PRESSURE RELEASE TO VERIFY FULL SEAM HAS BEEN TESTED.
  - IF THE TEST FAILS, FOLLOW THESE PROCEDURES.
    - WHILE CHANNEL IS UNDER PRESSURE WALK THE LENGTH OF THE SEAM LISTENING FOR A LEAK.
    - WHILE CHANNEL IS UNDER PRESSURE APPLY A SOAPY SOLUTION TO THE SEAM EDGE AND LOOK FOR BUBBLES FORMED BY AIR ESCAPING.
    - RE-TEST THE SEAM IN SMALLER INCREMENTS UNTIL THE LEAK IS FOUND.
  - ONCE LEAK IS FOUND USING ONE OF THE PROCEDURES ABOVE, CUT OUT THE AREA AND RETEST THE PORTIONS OF THE PORTIONS OF THE SEAMS BETWEEN THE LEAK AREAS PER 6A AND 6B ABOVE. CONTINUE THIS PROCEDURE UNTIL ALL SECTIONS OF THE SEAM PASS THE PRESSURE TEST.
  - REPAIR THE LEAK WITH A PATCH AND VACUUM TEST.
- ALL NON-DESTRUCTIVE TESTS WILL BE NOTED IN THE NON-DESTRUCTIVE LOGS.
- LINER SHALL BE PROTECTED WITH A 8 OZ. NONWOVEN GEOTEXTILE IF ROCK OR OTHER ANGULAR MATERIALS WITH A DIMENSION GREATER THAN 3/4 INCH ARE PRESENT.
- SUMPS SHALL BE BACKFILLED WITH NON-ANGULAR MAXIMUM 3/8 INCH SIZED PEA GRAVEL.
- LINER GAS VENTS SHALL BE SPACED ALONG THE INSIDE SLOPE AT APPROXIMATELY 100 FEET ON CENTER OR MINIMUM 2 VENTS PER SIDE.
- WHEN ANY PIPING EQUIPMENT, INLET, OR OUTLET IS IN DIRECT CONTACT WITH THE LINER, AN APRON CONSISTING OF 60 MIL HDPE MATERIAL SHALL BE INSTALLED BENEATH THE EQUIPMENT OR STRUCTURE TO PROTECT THE PRIMARY LINER.
- LAY BOTH LINERS IN ANCHOR TRENCH. BACKFILL ANCHOR TRENCH IN 2 LIFTS AND COMPACT.

SUGGESTED CONSTRUCTION SEQUENCE

- CLEAR EXISTING VEGETATION.
- STRIP AND STOCKPILE TOPSOIL AT THE LOCATION DESIGNATED ON THESE PLANS.
- PERFORM EARTHWORK OPERATIONS:
  - CONSTRUCT STORMWATER DIVERSION CHANNEL.
  - PERFORM RIPPING/EXCAVATING OPERATIONS.
  - REPLACE EXCAVATED MATERIAL IN COMPACTED LAYERS ON THE LEVEE/PAD IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.
  - FINISH SLOPES USING A SMOOTH ROLLER.
  - DIG ANCHOR TRENCH.
- INSTALL NEW GAME FENCE, CATTLE GUARDS AND GATES.
- INSTALL GEOMEMBRANES:
  - INSTALL GEOTEXTILE AS NEEDED, SECONDARY LINER, GEONET, LEAK DETECTION SYSTEM AND PRIMARY LINER.
  - INSTALL RUB SHEETS AND WATER LEVEL GAGE/LADDER.
  - BACKFILL AND COMPACT ANCHOR TRENCH.
  - INSTALL SLOPE PROTECTION.
- INSTALL CULVERTS AND RIPRAP.
- GRADE TREATMENT AREA
- INSTALL MUSCLE WALL AND SECONDARY CONTAINMENT
- INSTALL WATER TREATMENT COMPONENTS
- INSTALL BIRD HAZER.



*[Signature]*  
02/01/2022

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										HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
										PRINT DATE: 2/1/2022	DESIGNED BY: NC
	IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC						PROJECT NO. 20-104	CHECKED BY: CSC/EMH
	R-X	DESCRIPTION	DATE	BY						SUBSET: CIVIL	SHEET: C - 106
	REVISIONS (OR CHANGE NOTICES)										

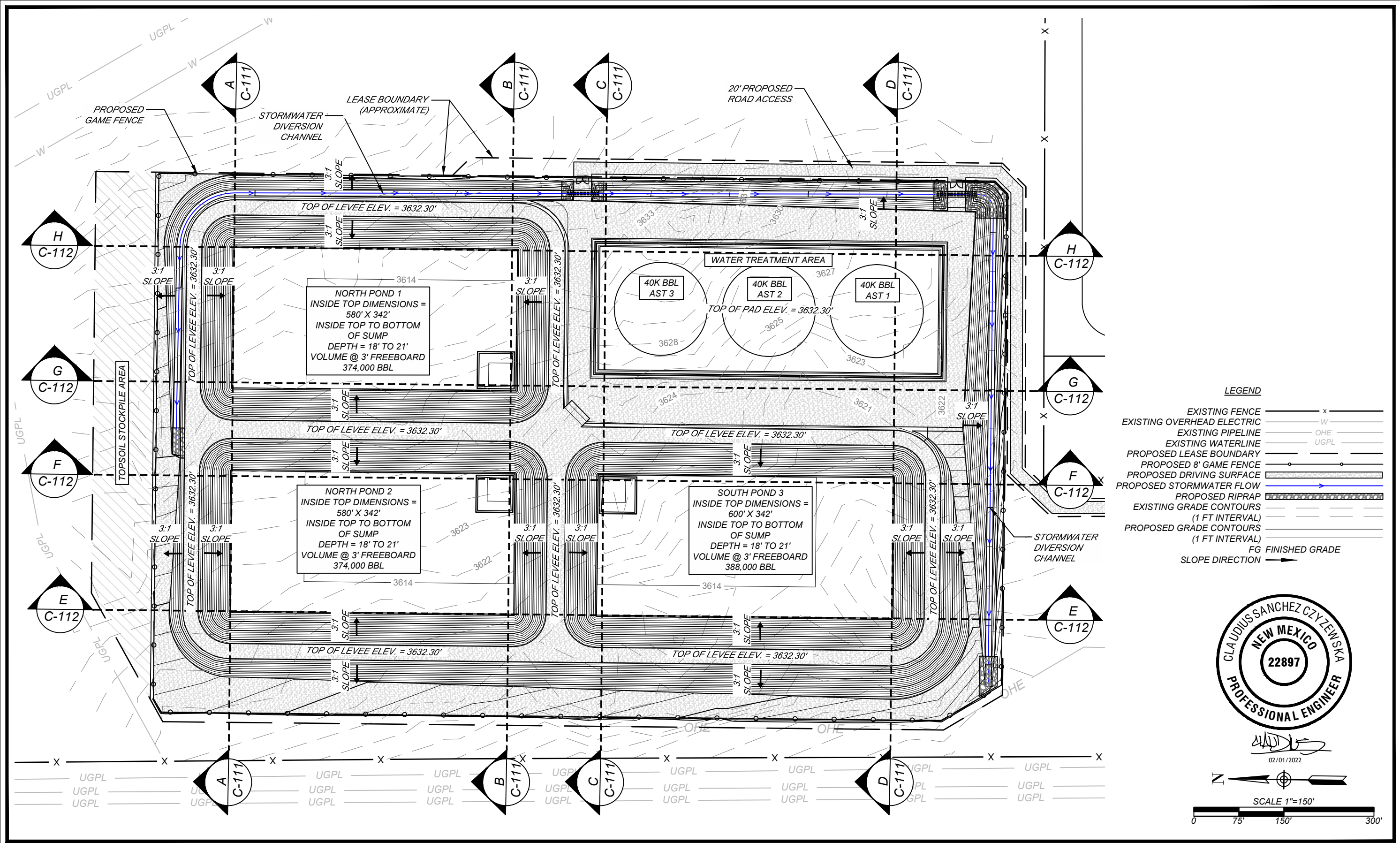


STAGE STORAGE			
POND ELEVATION (FT)	NORTH POND 1 VOLUME (BBL)	NORTH POND 2 VOLUME (BBL)	SOUTH POND 3 VOLUME (BBL)
3611.3	0	0	0
3612.3	186	186	186
3613.3	807	807	807
3614.3	8,891	8,891	9,206
3615.3	28,942	28,942	30,103
3616.3	49,756	49,756	51,781
3617.3	71,344	71,344	74,256
3618.3	93,715	93,715	97,535
3619.3	116,878	116,878	121,627
3620.3	140,843	140,843	146,544
3621.3	165,619	165,619	172,292
3622.3	191,216	191,216	198,883
3623.3	217,644	217,644	226,326
3624.3	216,030	216,030	254,630
3625.3	273,027	273,027	283,804
3626.3	302,003	302,003	313,859
3627.3	331,846	331,846	344,803
3628.3	362,567	362,567	376,646
3629.3	394,175	394,175	409,398
3630.3	426,686	426,686	443,073
3631.3	460,111	460,111	477,684
3632.3	494,454	494,454	513,235

SUMMARY OF QUANTITIES - SITE			
ITEM NUMBER	ITEM	UNIT	QTY
1	CLEARING AND GRUBBING	ACRES	33
2	STRIP AND STOCKPILE TOPSOIL (6" AVERAGE)	CUBIC YARD	23,522
3	ESTIMATED CUT (BELOW EXISTING GRADE)*	CUBIC YARD	181,307
4	ESTIMATED FILL (ABOVE EXISTING GRADE)**	CUBIC YARD	158,265
5	8' GAME FENCE	LINEAR FEET	4,601
6	20' DOUBLE GATE	LINEAR FEET	2
7	RUB SHEET 60 MIL HDPE GEOMEMBRANE (TEXTURED)***	SQUARE FEET	61,836
8	PRIMARY 60 MIL HDPE GEOMEMBRANE (SMOOTH)***	SQUARE FEET	632,023
9	200 MIL GEONET***	SQUARE FEET	632,023
10	SECONDARY 40 MIL HDPE GEOMEMBRANE (SMOOTH)***	SQUARE FEET	632,023
11	8 OZ. GEOTEXTILE***	SQUARE FEET	632,023
12	WATER TREATMENT AREA 60 MIL LLDPE GEOMEMBRANE (TEXTURED)***	SQUARE FEET	129,687
13	6" HDPE DR11 PIPE WITH PERFORATIONS IN SUMP	LINEAR FEET	270
14	GAGE LADDER	EACH	3
15	DRAIN ROCK	CUBIC YARD	3
16	LEAK DETECTION WIRE	LINEAR FEET	3,169
17	ANCHOR TRENCH	LINEAR FEET	5,392
18	RIPRAP WITH GEOTEXTILE	SQUARE YARD	8,954
19	24" CMP CULVERT	LINEAR FEET	418
20	EROSION CONTROL FOR SLOPE PROTECTION (ECB OR 30 MIL HDPE)	SQUARE FEET	110,001
21	STORMWATER DIVERSION CHANNEL	LINEAR FEET	2,586
22	CONSTRUCTION WATER	ALLOWANCE	
23	MATERIALS TESTING	ALLOWANCE	
24	EROSION CONTROL BMP'S	ALLOWANCE	

IMPORTANT QUANTITY NOTES:  
\* CUT QUANTITY (ITEM NUMBER 3) INCLUDES TOPSOIL QUANTITY (ITEM NUMBER 2).  
\*\* GEOTECHNICAL INFORMATION WAS NOT AVAILABLE AT THE TIME THESE PLANS WERE PREPARED. 20% FILL FACTOR WAS ASSUMED AND APPLIED TO THE FILL QUANTITY. THE CONTRACTOR SHALL FIELD VERIFY SHRINKAGE AND SWELLING OF EXISTING SOILS. CUT AND FILL QUANTITIES SHOWN ON THIS TABLE PERTAIN TO THE ENTIRE PROJECT AREA. LEVEE, PAD, ADJACENT DRIVING SURFACE AND ROAD MATERIAL ARE INCLUDED IN THE FILL QUANTITY.  
\*\*\* THESE ARE COMPLETE-IN-PLACE QUANTITIES. OVERLAP, ANCHOR, WRINKLE, SCRAP AND/OR SPOIL QUANTITIES ARE NOT INCLUDED IN THIS BID ITEM. THE CONTRACTOR SHALL ACCOUNT FOR THESE ADDITIONAL QUANTITIES IN THEIR BID.








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R-X	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			

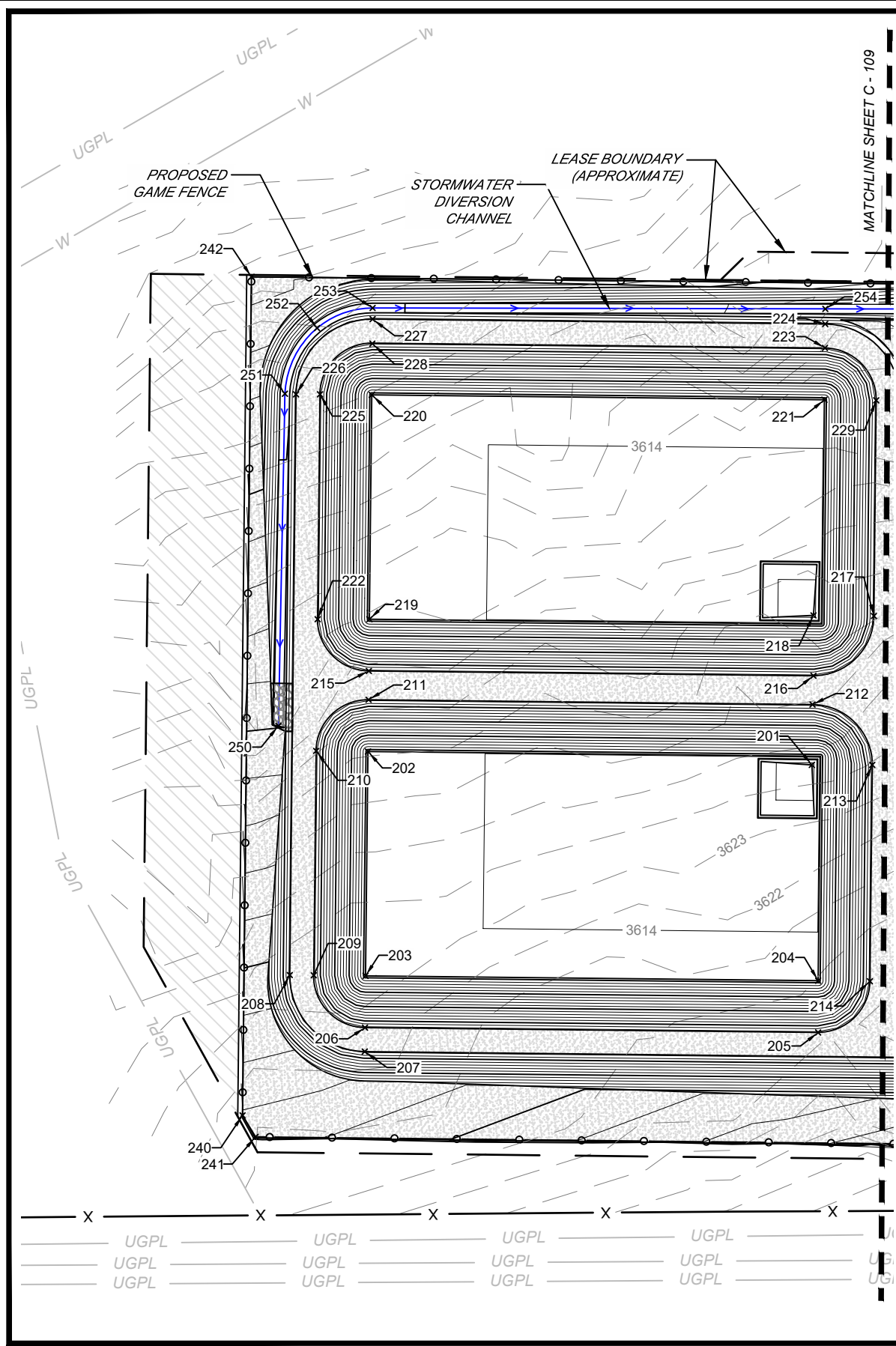


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LOST TANK WATER TREATMENT AND REUSE FACILITY  
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LEA COUNTY, NM  
SELECT ENERGY SERVICES

GRADING PLAN	
HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 108



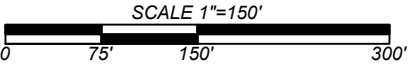


POINT TABLE				
Point #	Northing	Easting	Desc	Finished Grade Elevation
201	507196.19'	730205.87'	FG	3611.3'
202	507659.07'	730219.86'	FG	3614.3'
203	507661.59'	729985.87'	FG	3614.3'
204	507189.61'	729980.78'	FG	3614.3'
205	507189.61'	729926.78'	FG	3632.3'
206	507662.17'	729931.87'	FG	3632.3'
207	507662.44'	729906.87'	FG	3632.3'
208	507740.58'	729986.72'	FG	3632.3'
209	507715.58'	729986.45'	FG	3632.3'
210	507713.06'	730220.44'	FG	3632.3'
211	507658.41'	730273.85'	FG	3632.3'
212	507195.51'	730268.86'	FG	3632.3'
213	507133.19'	730205.87'	FG	3632.3'
214	507135.62'	729980.20'	FG	3632.3'
215	507658.16'	730303.85'	FG	3632.3'
216	507194.51'	730298.86'	FG	3632.3'
217	507131.51'	730361.18'	FG	3632.3'
218	507194.51'	730361.86'	FG	3611.3'
219	507657.58'	730357.85'	FG	3614.3'
220	507655.06'	730591.83'	FG	3614.3'
221	507183.09'	730586.75'	FG	3614.3'
222	507711.58'	730357.85'	FG	3632.3'
223	507182.50'	730640.75'	FG	3632.3'
224	507182.24'	730665.74'	FG	3632.3'
225	507709.06'	730592.42'	FG	3632.3'
226	507734.06'	730592.42'	FG	3632.3'
227	507654.21'	730670.83'	FG	3632.3'
228	507654.48'	730645.25'	FG	3632.1'
229	507129.09'	730586.17'	FG	3632.3'
240	507789.89'	729840.34'	FENCE	3621.9'
241	507776.30'	729817.90'	FENCE	3621.5'
242	507780.56'	730714.99'	FENCE	3639.6'
250	507752.43'	730246.60'	FL	3629.8'
251	507745.68'	730593.03'	FL	3630.1'
252	507712.10'	730661.51'	FL	3630.3'
253	507654.24'	730682.46'	FL	3630.1'
254	507182.11'	730681.54'	FL	3628.7'

- LEGEND
- EXISTING FENCE
  - EXISTING OVERHEAD ELECTRIC
  - EXISTING PIPELINE
  - EXISTING WATERLINE
  - PROPOSED LEASE BOUNDARY
  - PROPOSED 8' GAME FENCE
  - PROPOSED DRIVING SURFACE
  - PROPOSED STORMWATER FLOW
  - PROPOSED RIPRAP
  - EXISTING GRADE CONTOURS (1 FT INTERVAL)
  - PROPOSED GRADE CONTOURS (1 FT INTERVAL)
  - FG FINISHED GRADE
  - FL FLOWLINE
  - FENCE FENCE CORNER



02/01/2022



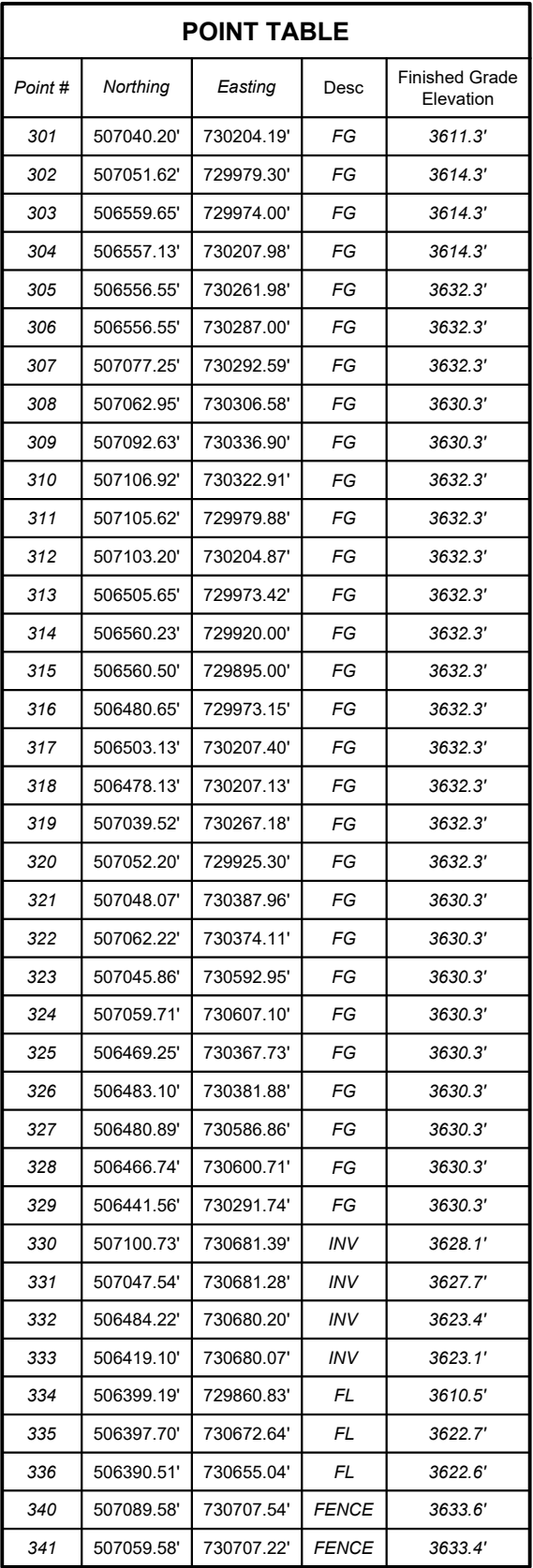
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LOST TANK WATER TREATMENT AND REUSE FACILITY  
S18 T22S R32E  
LEA COUNTY, NM  
SELECT ENERGY SERVICES

CONTROL PLAN I	
HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 109



POINT TABLE				
Point #	Northing	Easting	Desc	Finished Grade Elevation
342	506466.58'	730700.82'	FENCE	3628.0'
343	506436.46'	730700.50'	FENCE	3628.0'
344	506388.80'	730699.98'	FENCE	3627.6'
345	506368.31'	730679.46'	FENCE	3626.6'
346	506377.23'	729862.42'	FENCE	3610.6'
347	506477.77'	729803.95'	FENCE	3611.7'

**LEGEND**

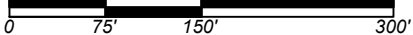
- 
- EXISTING FENCE x  
 EXISTING OVERHEAD ELECTRIC W  
 EXISTING PIPELINE OHE  
 EXISTING WATERLINE UGPL  
 PROPOSED LEASE BOUNDARY  
 PROPOSED 8' GAME FENCE  
 PROPOSED DRIVING SURFACE  
 PROPOSED STORMWATER FLOW  
 PROPOSED RIPRAP  
 EXISTING GRADE CONTOURS (1 FT INTERVAL)  
 PROPOSED GRADE CONTOURS (1 FT INTERVAL)  
 FG FINISHED GRADE  
 FL FLOWLINE  
 FENCE FENCE CORNER  
 INV INVERT ELEVATION



02/01/2022

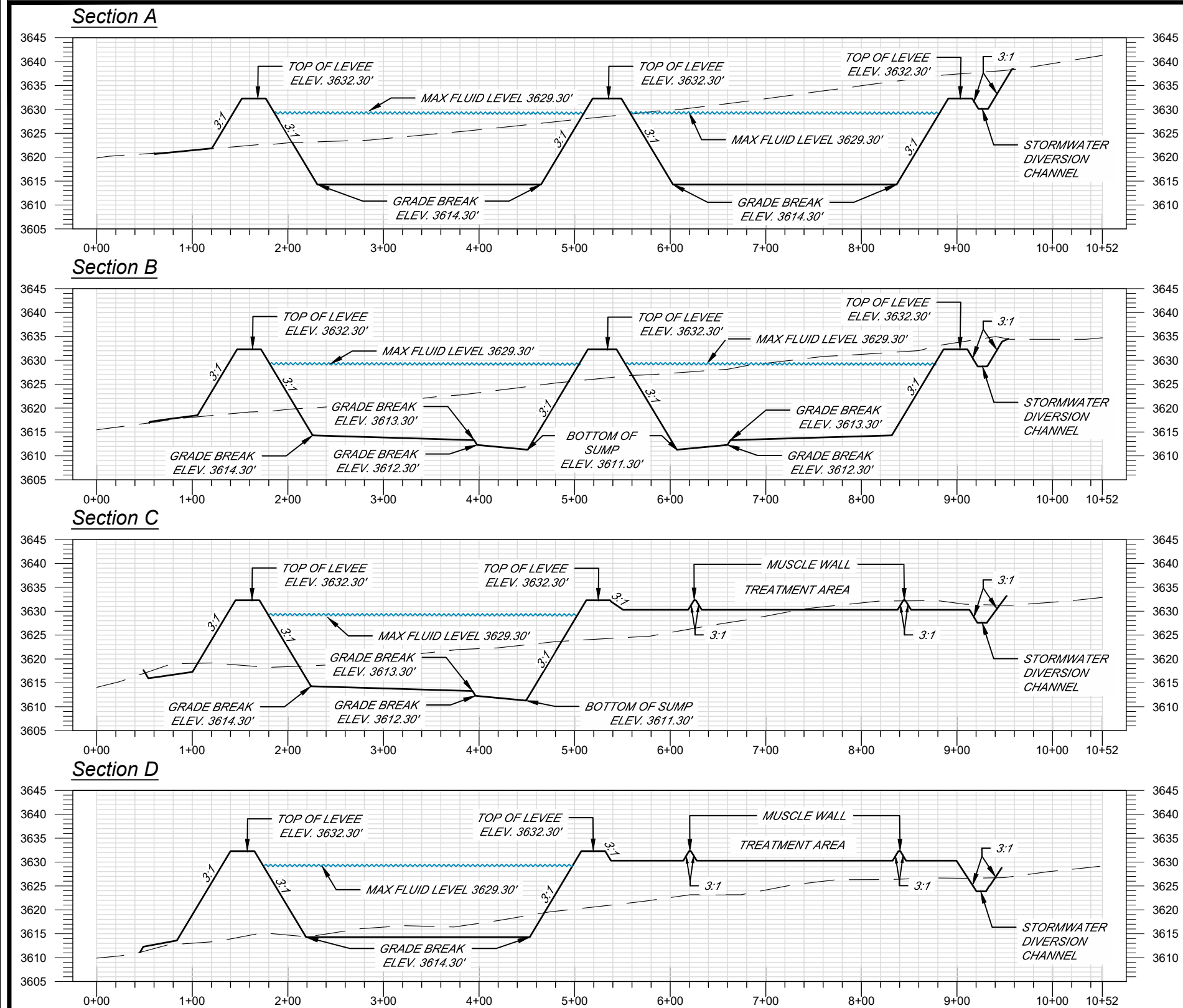


SCALE 1"=150'



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									HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: NTS
	IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC					PRINT DATE: 2/1/2022	DESIGNED BY: NC
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LEGEND

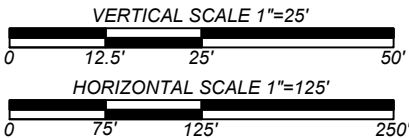
EXISTING GRADE  
FINISHED GRADE

NOTES

FOR LEVEE DETAILS SEE PLAN SHEET C - 115



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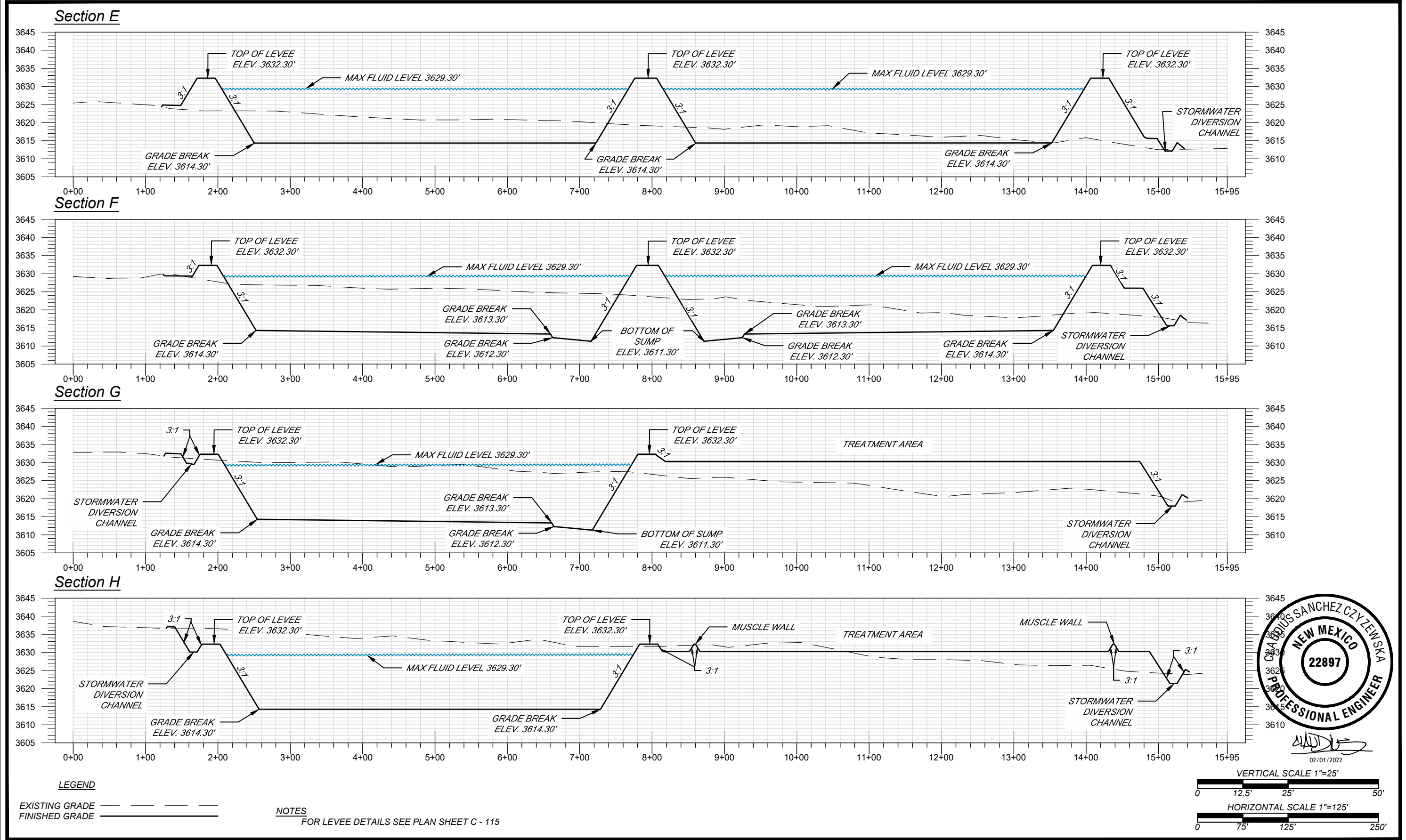


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CROSS SECTIONS I

HORIZONTAL SCALE: 1"=125'	VERTICAL SCALE: 1"=25'
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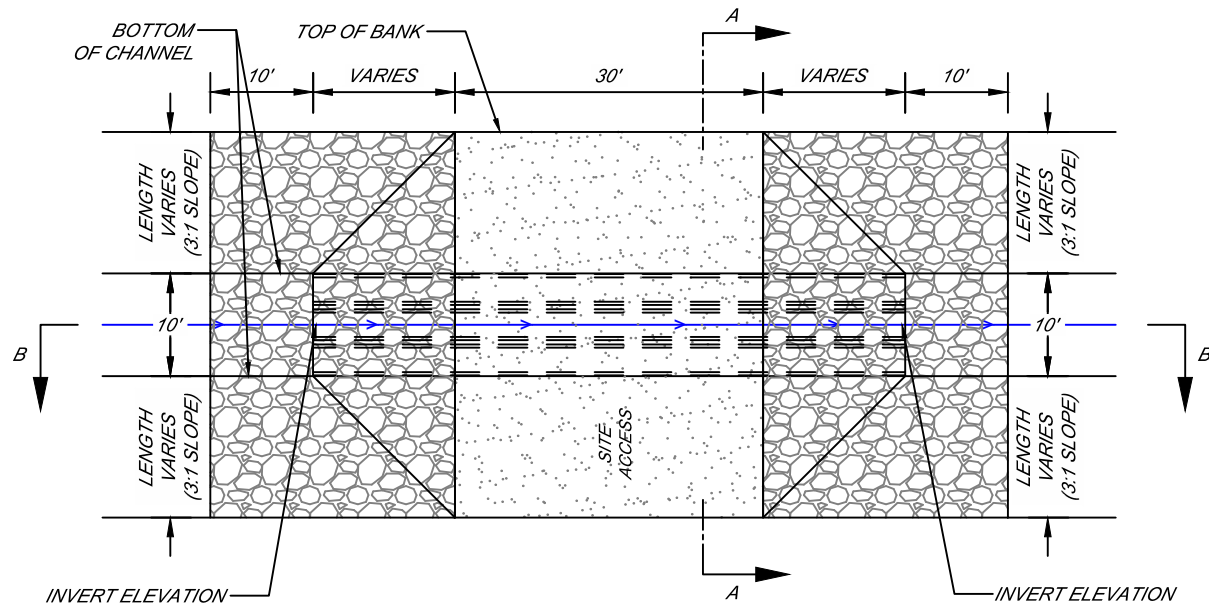


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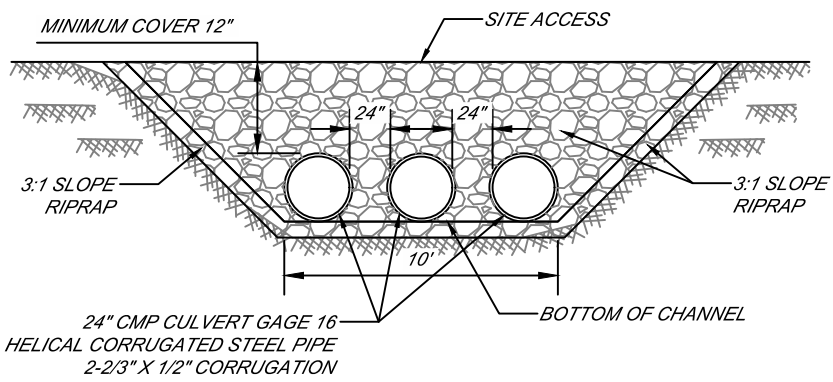


LEAK DETECTION SYSTEM DETAILS	
HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 113

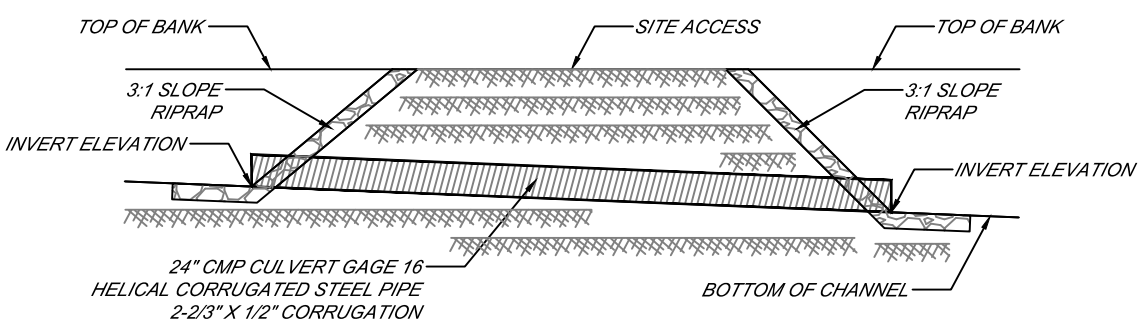




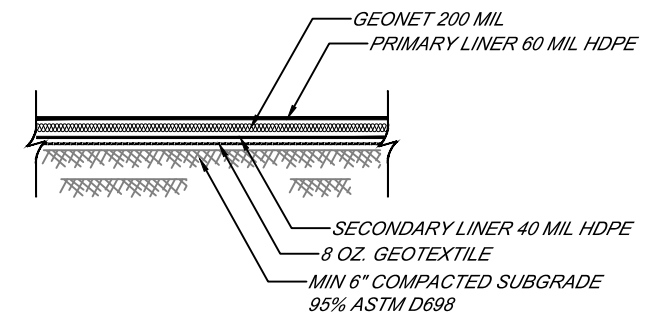
1 **STORMWATER DIVERSION CHANNEL AND SITE ACCESS TOP VIEW**  
NOT TO SCALE



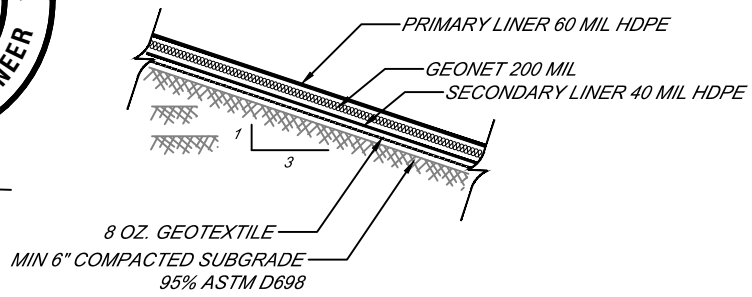
2 **SECTION A-A**  
NOT TO SCALE



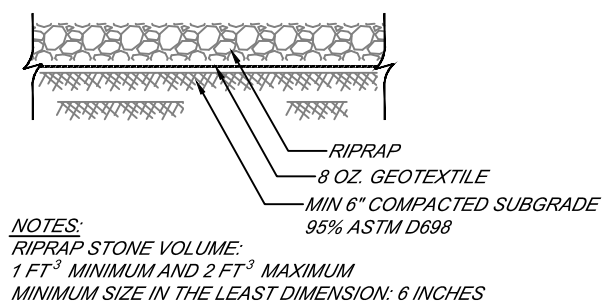
3 **SECTION B-B**  
NOT TO SCALE



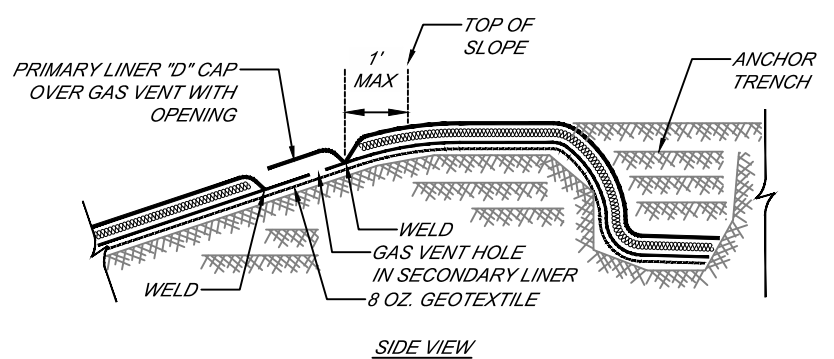
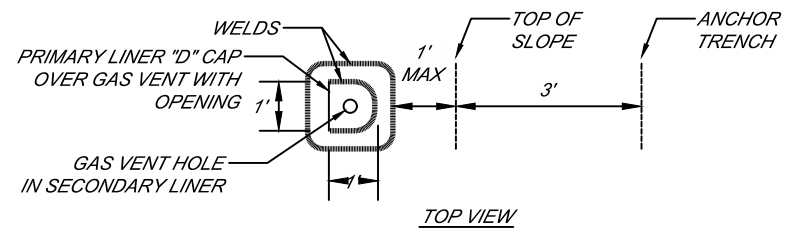
4 **TYPICAL POND BOTTOM LINER**  
NOT TO SCALE



5 **TYPICAL POND SLOPE LINER**  
NOT TO SCALE

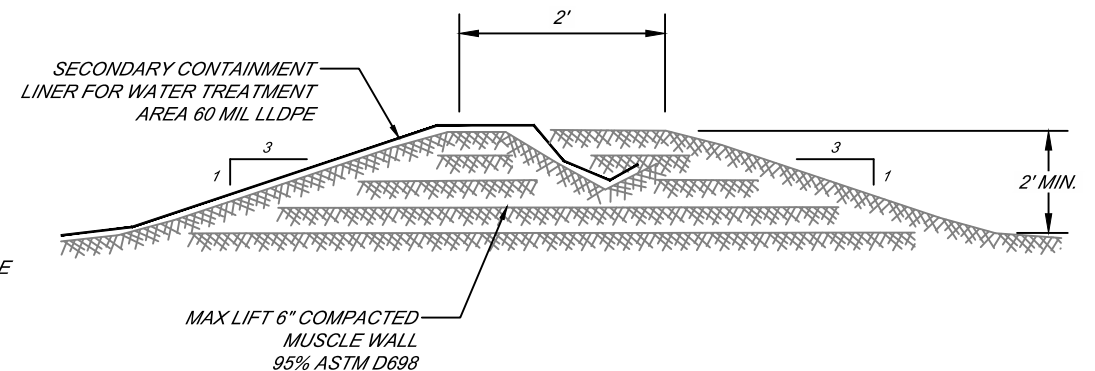


6 **TYPICAL RIPRAP DETAIL**  
NOT TO SCALE



NOTE:  
GAS VENT SPACING SHALL BE INSTALLED  
PER MANUFACTURER'S RECOMMENDATIONS

7 **TYPICAL GAS VENT**  
NOT TO SCALE



8 **MUSCLE WALL**  
NOT TO SCALE



**MAGRIM**  
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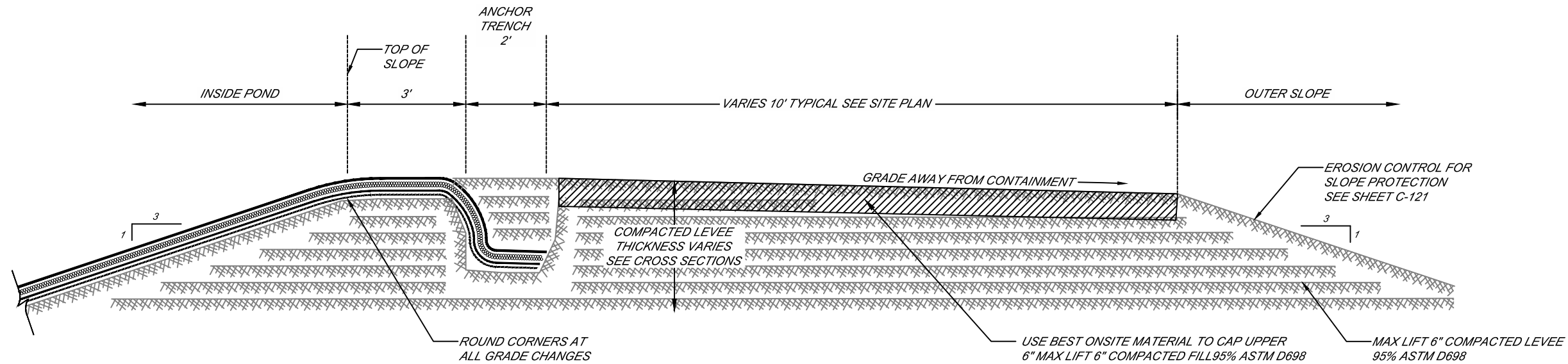
IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC
R-X	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			



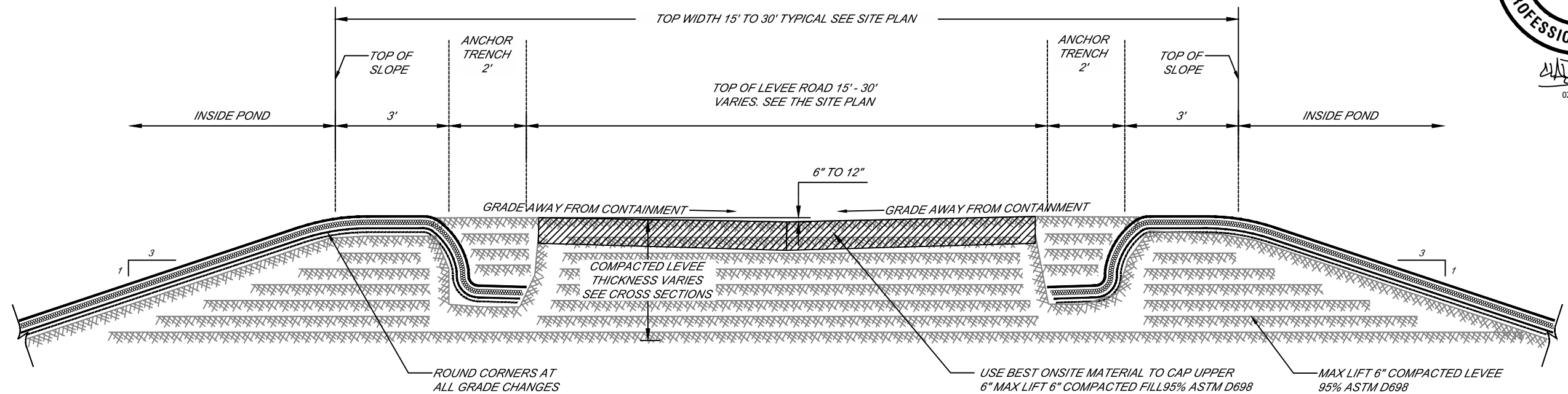
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S18 T22S R32E  
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MISCELLANEOUS DETAILS	
HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
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1 **TYPICAL LEVEE SECTION**  
NOT TO SCALE



2 **TYPICAL LEVEE SECTION BETWEEN CONTAINMENTS**  
NOT TO SCALE



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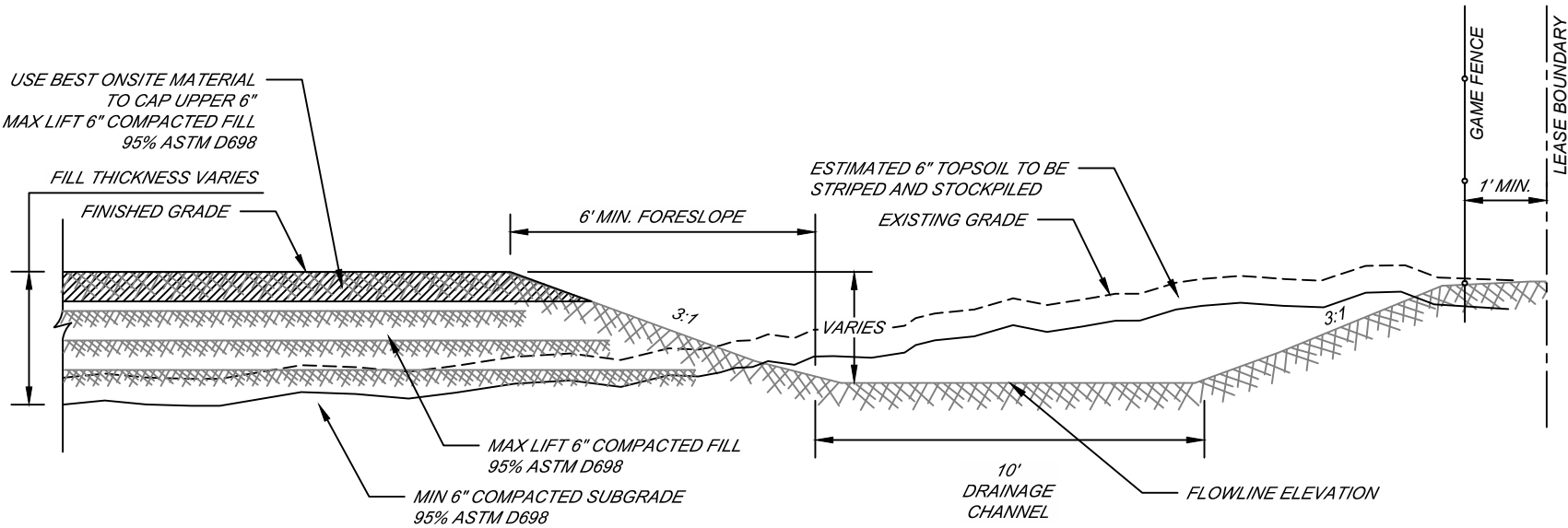


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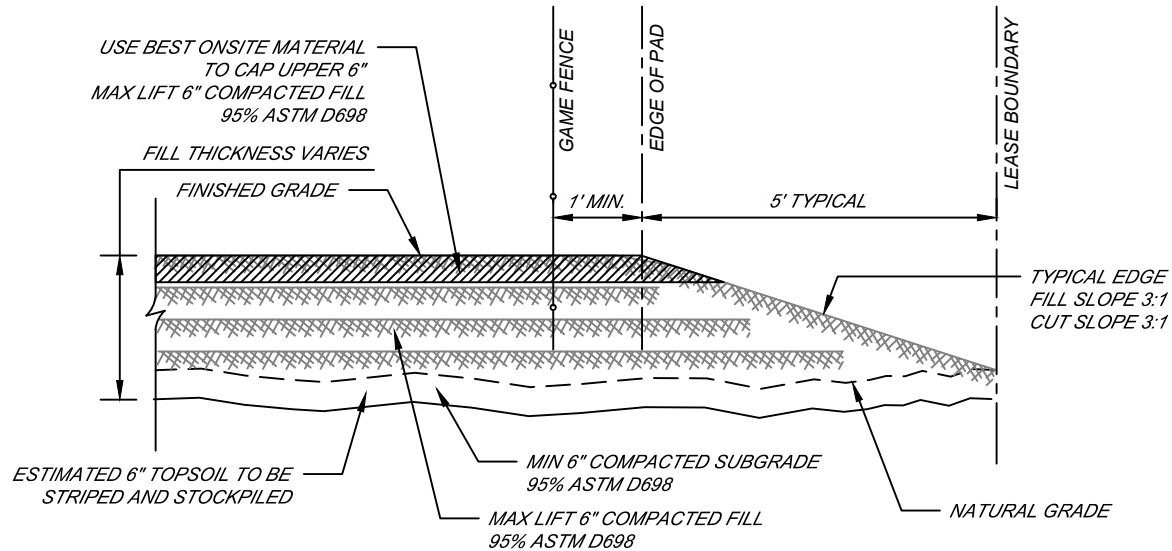
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LEVEE DETAILS

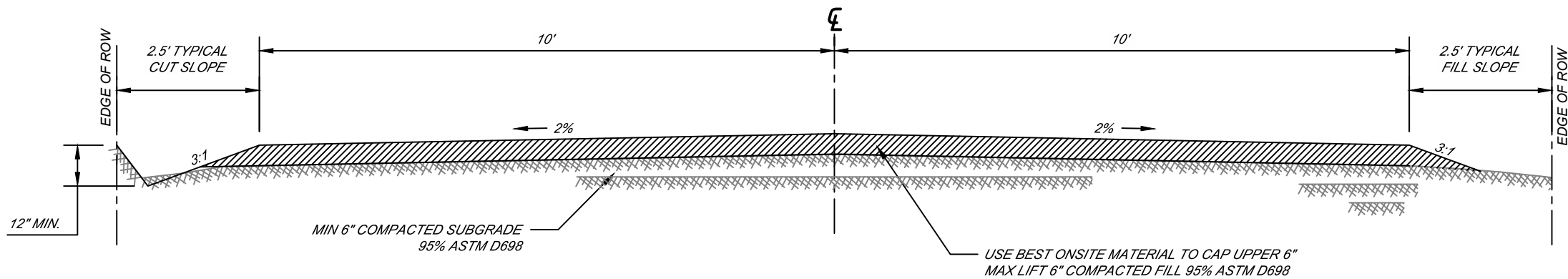
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PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 115



1 TYPICAL PAD AND STORMWATER DIVERSION CHANNEL DETAIL  
NOT TO SCALE



2 TYPICAL PAD EDGE SECTION  
NOT TO SCALE



3 TYPICAL LEASE ROAD SECTION  
NOT TO SCALE



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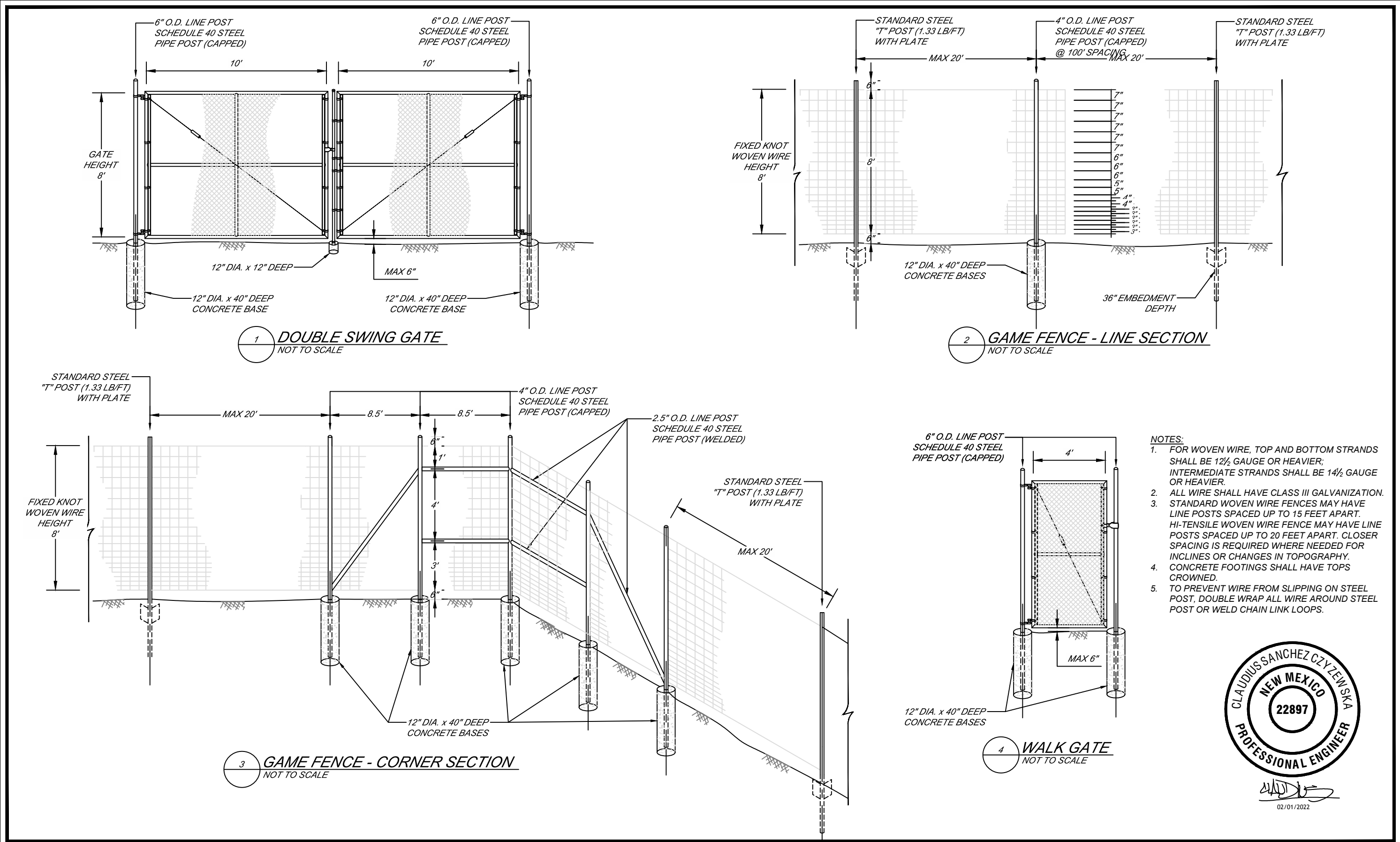
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PAD AND ROAD DETAILS

HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 116

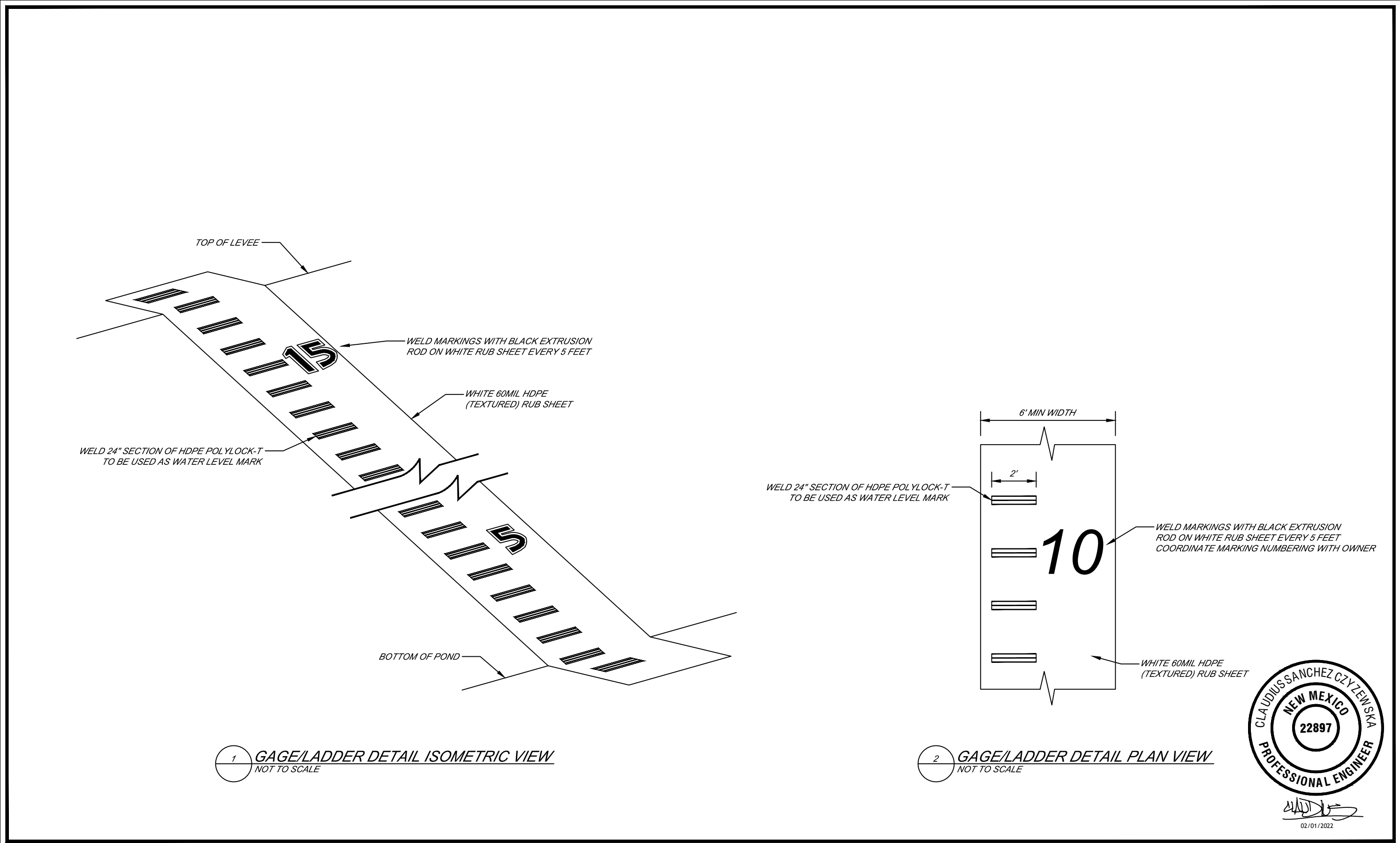




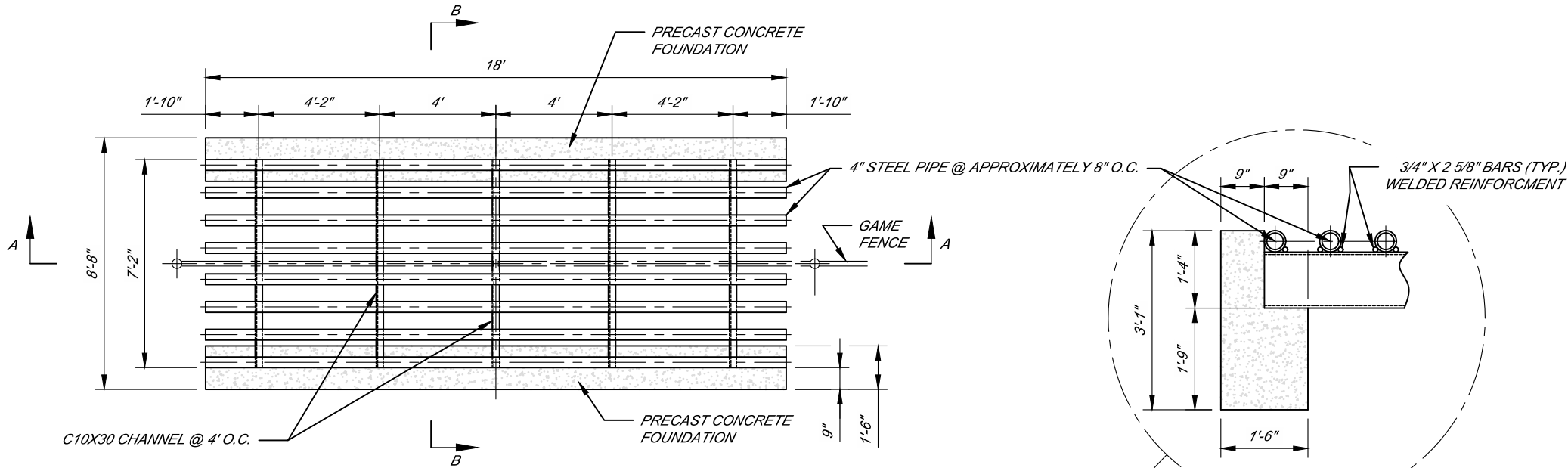
- NOTES:
- FOR WOVEN WIRE, TOP AND BOTTOM STRANDS SHALL BE 12½ GAUGE OR HEAVIER; INTERMEDIATE STRANDS SHALL BE 14½ GAUGE OR HEAVIER.
  - ALL WIRE SHALL HAVE CLASS III GALVANIZATION.
  - STANDARD WOVEN WIRE FENCES MAY HAVE LINE POSTS SPACED UP TO 15 FEET APART. HI-TENSILE WOVEN WIRE FENCE MAY HAVE LINE POSTS SPACED UP TO 20 FEET APART. CLOSER SPACING IS REQUIRED WHERE NEEDED FOR INCLINES OR CHANGES IN TOPOGRAPHY.
  - CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED.
  - TO PREVENT WIRE FROM SLIPPING ON STEEL POST, DOUBLE WRAP ALL WIRE AROUND STEEL POST OR WELD CHAIN LINK LOOPS.



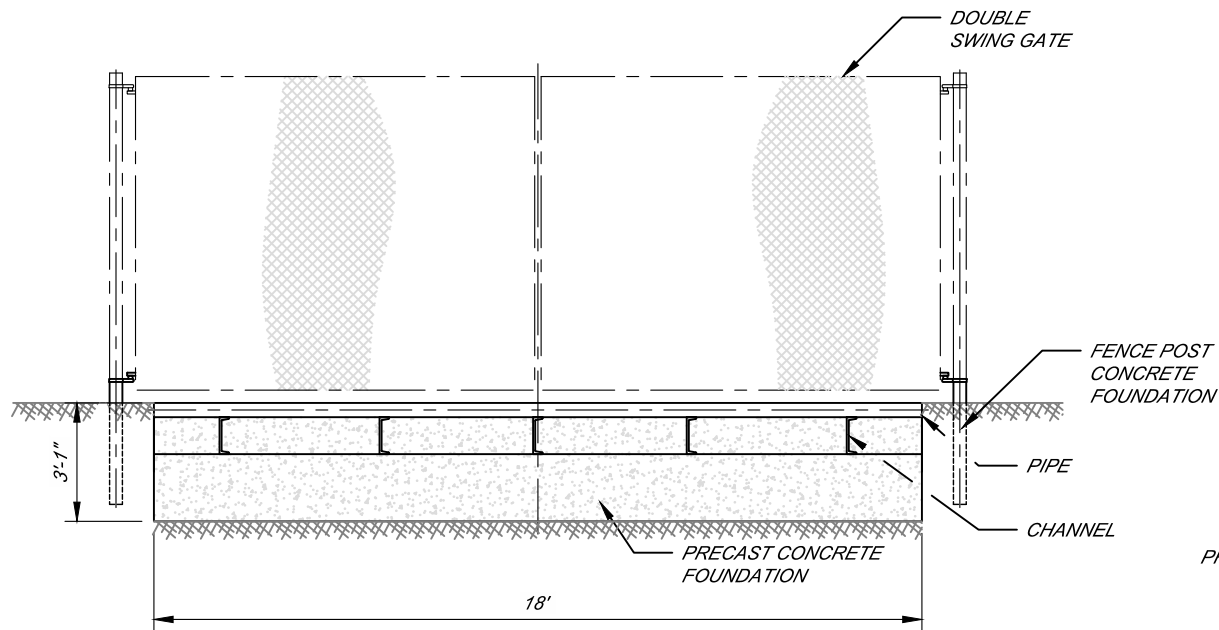
 Magrym Consulting, Inc. 110 W. Louisiana Ave. Ste 314 Midland, TX 79701 (432) 999-2737 www.magrym.com TBPE F-19848						 Select Energy Services 1233 West Loop South Suite 1400 Houston, TX 77027 www.Selectenergyservices.com	LOST TANK WATER TREATMENT AND REUSE FACILITY S18 T22S R32E LEA COUNTY, NM SELECT ENERGY SERVICES				FENCE DETAILS	
							HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS				
							PRINT DATE: 2/1/2022	DESIGNED BY: NC				
							PROJECT NO. 20-104	CHECKED BY: CSC/EMH				
							SUBSET: CIVIL	SHEET: C - 117				
	IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC								
	R-X	DESCRIPTION	DATE	BY								
	REVISIONS (OR CHANGE NOTICES)											



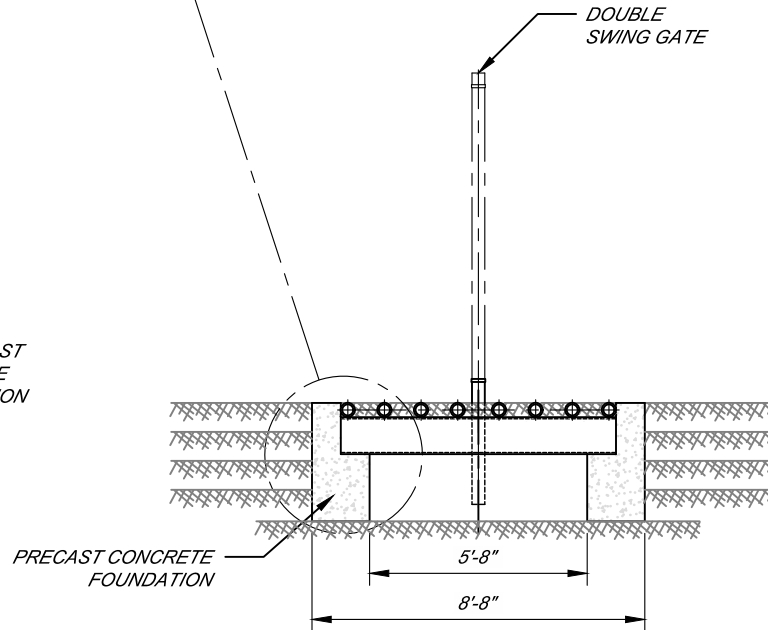
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							HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
							PRINT DATE: 2/1/2022	DESIGNED BY: NC
	IFC	ISSUED FOR CONSTRUCTION	02/01/22			CSC	PROJECT NO. 20-104	CHECKED BY: CSC/EMH
	R-X	DESCRIPTION	DATE			BY	SUBSET: CIVIL	SHEET: C - 118
REVISIONS (OR CHANGE NOTICES)								



1 CATTLE GUARD TOP VIEW  
NOT TO SCALE



2 SECTION A-A  
NOT TO SCALE



3 SECTION B-B  
NOT TO SCALE



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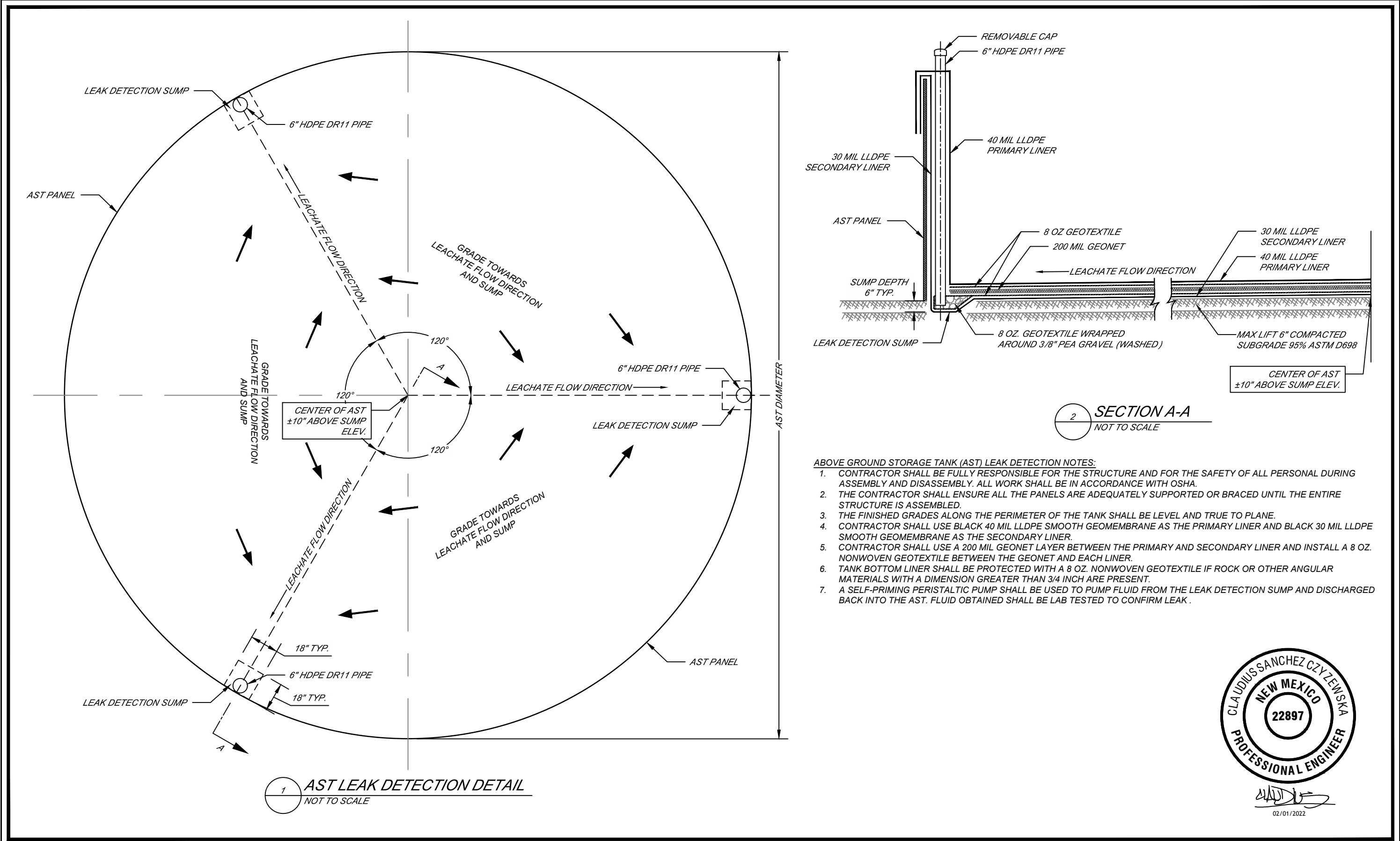


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SELECT ENERGY SERVICES

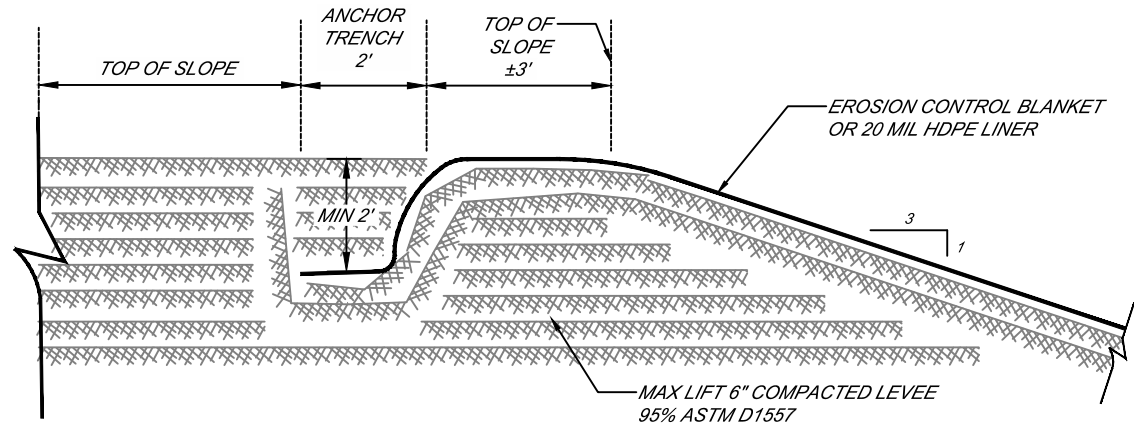
CATTLE GUARD DETAILS

HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
SUBSET: CIVIL	SHEET: C - 119

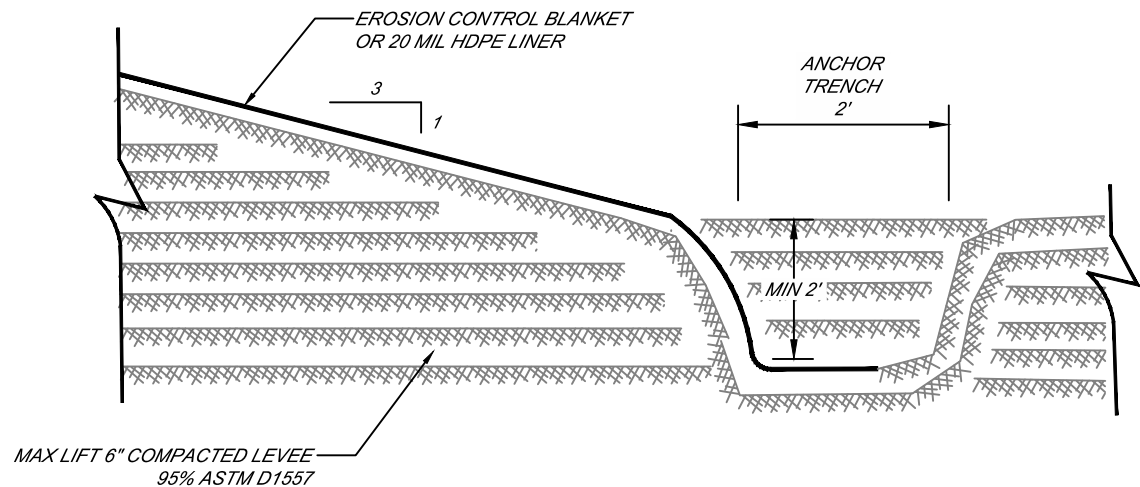


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	IFC	ISSUED FOR CONSTRUCTION	02/01/22	CSC		
	R-X	DESCRIPTION	DATE	BY		
	REVISIONS (OR CHANGE NOTICES)					





1 **EROSION CONTROL FOR SLOPE PROTECTION - TOP OF SLOPE**  
NOT TO SCALE



2 **EROSION CONTROL FOR SLOPE PROTECTION - BOTTOM OF SLOPE**  
NOT TO SCALE

**EROSION CONTROL BLANKET NOTES:**

- THE FOLLOWING EROSION CONTROL BLANKET PRODUCTS OR APPROVED EQUAL MAY BE USED:
  - ECS S-1 STANDARD STRAW
  - LANDLOK BON-TERRA S2, ENS2 OR ENCS2
  - NORTH AMERICAN GREEN S75, S75BN, S150, S150BN, OR SC150
- BURY THE UPSLOPE END OF EACH BLANKET AT LEAST 6 INCHES IN A VERTICAL TRENCH WITH THE SOIL PRESSED FIRMLY AGAINST THE EMBEDDED MAT.
- STAPLE STRIP ENDS AND END OVERLAPS WITH NOT MORE THAN 20 INCHES BETWEEN STAPLES. STAPLE ALL OTHER JOINTS AND EDGES AT 40 INCH INTERVALS.
- USE U-SHAPED STAPLES TO ANCHOR BLANKETS THAT ARE 11 GAUGE OR HEAVIER STEEL WIRE HAVING A SPANWIDTH OF 1 INCH AND A LENGTH OF 6 INCHES OR MORE FROM TOP TO BOTTOM AFTER BENDING.



*[Signature]*  
02/01/2022



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**SLOPE PROTECTION DETAILS**

HORIZONTAL SCALE: NTS	VERTICAL SCALE: NTS
PRINT DATE: 2/1/2022	DESIGNED BY: NC
PROJECT NO. 20-104	CHECKED BY: CSC/EMH
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Select Water Solutions (Select) has constructed three (3) storage pits and two (2) above ground storage tanks (AST) in Section 18, Township 22 south, Range 32 east, in Lea County, New Mexico. This Facility consists of five (5) containments with a total operational volume of approximately 1,315,359 bbls.

### **OPERATION AND MAINTENANCE PROCEDURES**

Applicable mandates in Rule 34 are underlined. This plan addresses construction of lined earthen containments and above ground storage tanks. Select intends to operate the ASTs the same way as an earthen containment. Attached to this submission are the engineering and design plans that were completed by Magrym Consulting (Magrym).

Field conditions may create the need for minor modification of the containment design (e.g. changing the length, width, or depth). Any significant changes to the design will be submitted to the state for permit modification and as-built documentation will be provided.

### **Dike Protection and Structural Integrity**

Design elements are addressed in the section of this submission containing the foundation recommendations. The recommendations are based on site-specific data. The operator, engineer, and selected contractor will review the recommendations prior to beginning any additional earthwork and adhere to the specific recommendations.

The design and operation provide for the confinement of produced water to prevent releases and to prevent overtopping due to wave action or rainfall. Additionally, the design prevents run-on of surface water as the containment is surrounded by an above-grade levee (berm) and diversion ditch to prevent run-on of surface water.

### **Stockpile Topsoil**

Where topsoil is present, prior to constructing containment, the operator will strip and stockpile the topsoil for use as the final cover or fill at the time of closure. The topsoil will be stockpiled adjacent to perimeter fence surrounding the containment or incorporated into the levee.

### **Signage**

The design calls for an upright sign no less than 12-in by 24-in with lettering not less than two inches in height in a conspicuous place on the fence surrounding the containment. The sign is posted in a manner and location such that a person can easily read the legend. The sign will provide the following information:

1. The operator's name,
2. The location of the site by quarter-quarter or unit letter, section, township and range, and
3. Emergency telephone numbers.



## Fencing

The design provides for a fence to enclose the Recycling Containment in a manner that deters unauthorized wildlife and human access. The design calls for a 8-ft tall wire mesh game fence around the containment to exclude wildlife (see detail contained in engineering design drawings by Magrym). This fence provides greater wildlife (and human) deterrence than the minimum required barbed wire fence with four strands evenly spaced in the interval between one foot and four feet above ground level. The fence will be gated to provide access for maintenance and placement of pumps and other necessary equipment. As stated in the O&M plan, the operator will ensure that all gates associated with the fence are closed and locked when responsible personnel are not onsite.

## Netting and Protection of Wildlife

The game fence around the containment will be effective in excluding antelope, deer, coyotes, and most other terrestrial wildlife.

The Recycling Containment is otherwise protective of wildlife, including migratory birds. The containment will contain treated produced water that has not shown to be a material threat to birds due to hydrogen sulfide gas or floating, free-phase hydrocarbons. The O&M plan calls for the operator to inspect for and, within 30 days of discovery, report the discovery of dead migratory birds or other wildlife to the appropriate wildlife agency and to the division district office in order to facilitate assessment and implementation of measures to prevent incidents from reoccurring.

The containment will have a properly constructed foundation and interior slopes consisting of a firm, unyielding base, smooth and free of rocks, debris, sharp edges or irregularities to prevent the liner's rupture or tear. Geotextile may be placed under the liner when needed to reduce localized stress-strain or protuberances that otherwise may compromise the liner's integrity.

The Engineering Drawings (Magrym) shows for earthen containments;

1. The levee has an inside grade no steeper than three horizontal feet to one vertical foot (3H:1V).
2. The levee outside grade is no steeper than three horizontal feet to one vertical foot (3H:1V).
3. The top of the levee is wide enough to install an anchor trench and provide adequate room for inspection and maintenance.
4. The caliche gravel placed on the outside levee provides additional erosion control.

Field conditions may create the need for changes to the design. Any changes to the construction or grade requirements due to unforeseen conditions will be reviewed and approved prior to initiating installation of the liner system. Any design change that does not conform to the NMOCD Rule will be the subject of a variance request and will be submitted to the OCD for review and approval.



## LINER AND DRAINAGE GEOTEXTILE INSTALLATION

The containment has a primary (upper) liner and a secondary (lower) liner with a leak detection system appropriate to the site's conditions.

The primary (upper) liner is a geomembrane liner composed of an impervious, synthetic material that is resistant to ultraviolet light, petroleum hydrocarbons, salts and acidic and alkaline solutions. It is 60-mil HDPE. The secondary liner is 40-mil HDPE. Liner compatibility meets or exceeds a subsequent relevant publication to EPA SW-846 method 9090A.

The Recycling Containment design has a leak detection system between the upper and lower geomembrane liners of 200-mil geonet to facilitate drainage. The leak detection system consists of a properly designed drainage and collection and removal system placed above the lower geomembrane liner in depressions and sloped to facilitate the earliest possible leak detection. The containment floor design calls for a slope toward the sump. This slope, combined with the highly transmissive geonet drainage layer, provides for the earliest possible leak detection.

The liners and drainage material will be installed consistent with the manufacture's specifications. In addition to any specifications of the manufacturer, protocols for liner installation include measures to:

1. Minimize liner seams and orient them up and down, not across, a slope of the levee.
2. Use factory welded seams where possible.
3. Field seams in geosynthetic material are thermally seamed; prior to field seaming, overlap liner four to six inches.
4. Minimize the number of field seams and corners and irregularly shaped areas.
5. Provide for no horizontal seams within five feet of the slope's toe.
6. Use qualified personnel to perform field welding and testing.
7. Avoid excessive stress-strain on the liner.
8. The edges of all liners are anchored in the bottom of a compacted earth-filled trench that is at least 18-in deep.

At points of discharge into the lined earthen containment, the pipe configuration effectively protects the liner from excessive hydrostatic force or mechanical damage during filling. The design shows that at any point of discharge into or suction from the recycling containment, the liner is protected from excessive hydrostatic force or mechanical damage. External discharge or suction lines do not penetrate the liner.

Pumping from the containment to hydraulic fracturing operations is the responsibility of stimulation contractors. Typically, numerous lines are permanently placed in the containment with floats attached to prevent damage to the liner system. The containment may be equipped with permanent HDPE stinger (supported by a sacrificial liner or geotextile) for withdrawal of fluid during operations, if the owner deems necessary. External discharge or suction lines do not penetrate the liner.



### **LEAK DETECTION AND FLUID REMOVAL SYSTEM INSTALLATION**

The leak detection system, contains the following design elements:

1. The 200-mil geonet drainage material between the primary and secondary liner is sufficiently permeable to allow the transport of fluids to the observation ports.
2. The containment floor, sloped towards the monitoring riser pipe, facilitates the earliest possible leak detection of the containment bottom. A pump may be placed in an observation port to provide for fluid removal.
3. Piping will withstand chemical attack from any seepage, structural loading from stresses and disturbances from overlying water, cover materials, equipment operation, and expansion or contraction.
4. The slope of the interior subgrade should be great enough to facilitate drainage.



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LEA COUNTY, NEW MEXICO  
025311-00

Select Water Solutions (Select) has constructed three (3) storage pits and two (2) above ground storage tanks (AST) in Section 18, Township 22 south, Range 32 east, in Lea County, New Mexico. This Facility consists of five (5) containments with a total operational volume of approximately 1,315,359 bbls.

## OPERATION AND MAINTENANCE PROCEDURES

In this plan, the underlined text represents the language of the Rule.

The operator will operate and maintain the lined earthen containments and AST's to contain liquids and solids (blow sand and minimal precipitates from the treated produced water) and maintain the integrity of the liner system in a manner that prevents contamination of fresh water and protects public health and the environment as described below. The purpose of the lined earthen containment and AST's is to facilitate recycling, reuse, and reclamation of produced water derived from nearby oil and gas wells. During periods when water for E&P operations is not needed, produced water will discharge to one of the injection wells in the operator's SWD system. The containment will not be used for the disposal of produced water or other oilfield waste.

The operation of the Recycling Containment is summarized below:

1. Via pipeline, produced water generated from nearby oil and gas wells is delivered to a treatment system located as indicated in the C-147.
2. After treatment, the produced water discharges into the containment.
3. When required, treated produced water is removed from the containment for E&P operations. At this time, treated produced water will be used for drilling beneath the fresh water zones (beneath surface casing), for well stimulation (e.g. hydraulic fracturing) and other E&P uses as approved by OCD.
4. Whenever the maximum fluid capacity of the containment is reached, treatment and discharge to the containment ceases (see Freeboard and Overtopping Plan, below).
5. The operator will keep accurate records and shall report monthly to the division the total volume of water received for recycling, with the amount of fresh water received listed separately, and the total volume of water leaving the facility for disposition by use on form C-148.
6. The operator will maintain accurate records that identify the sources and disposition of all recycled water that shall be made available for review by the division upon request.
7. The containment shall be deemed to have ceased operations if less than 20 % of the total fluid capacity is used every six months following the first withdrawal of produced water for use. The operator will report cessation of operations to the appropriate division district office. The appropriate division district office may grant an extension to this determination of cessation of operations not to exceed six months.

The operation of the lined earthen containment will follow the mandates listed below:

1. The operator will not discharge into or store any hazardous waste (as defined by 40 CFR 261 and NMAC 19.15.2.7.H.3) in the containments.
2. If the containment's primary liner is compromised above the fluid's surface, the operator will repair the damage or initiate replacement of the primary liner within 48 hours of discovery or seek an extension of time from the Division District office.



3. If the primary liner is compromised below the fluid's surface, the operator will remove all fluid above the damage or leak within 48 hours of discover, notify the division district office, and repair the damage or replace the primary liner.
4. If any penetration of the containment liner is confirmed by sampling of fluid in the leak detection system (see Monitoring, Inspection, and Reporting Plan), the operator will:
  - a. Begin and maintain fluid removal from the leak detection/pump-back system,
  - b. Notify the District office within 48 hours (phone or email) of the discovery,
  - c. Identify the location of the leak, and
  - d. Repair the damage or, if necessary, replace the containment liner.
5. The operator will install, or maintain onsite, an oil absorbent boom or other device to contain an unanticipated release and the operator will remove any visible layer of oil from the surface of the recycling containment.
6. The operator will report releases of fluid in a manner consistent with NMAC 19.15.29.
7. The containment will be operated to prevent the collection of surface water run-on.
8. The operator will maintain the containment free of miscellaneous solid waste or debris.
9. The operator will maintain at least 3-ft of freeboard for the containment and will use a welded ladder gauge to allow easy determination of the required 3-ft of freeboard.
10. As described in the design/construction plan, the injection or withdrawal of fluids from the containment is accomplished through hardware that prevents damage to the liner by erosion, fluid jets, or impact from installation and removal of hoses or pipes.
11. The operator shall ensure that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
12. The operator will maintain the fences in good repair.

## MONITORING, INSPECTION, AND REPORTING PLAN

The operator will inspect the recycling containment and associated leak detection systems weekly while it contains fluids. The operator shall maintain a current log of such inspections and make the log available for review by the division upon request.

Weekly inspections consist of:

1. Reading and recording the fluid height of staff gauges,
2. Recording any evidence that the pond surface shows visible oil,
3. Visually inspecting the containment's exposed liners, and
4. Checking the leak detection system for any evidence of a loss of integrity of the primary liner.

As stated above, if a liner's integrity is compromised, or if any penetration of the liner occurs above the water surface, then the operator will notify the District office within 48 hours (phone or email).

Monthly, the operator will:

1. Inspect diversion ditches and berms around the containment to check for erosion and collection of surface water run-on.
2. Inspect the leak detection system for evidence of damage or malfunction and monitor for leakage.
3. Inspect the containment for migratory birds and other wildlife. Within 30 days of discovery, report the discovery of dead migratory birds or other wildlife to the appropriate wildlife agency





and to the division district office in order to facilitate assessment and implementation of measures to prevent incidents from reoccurring.

4. Report to the division the total volume of water received for recycling, with the amount of fresh water received listed separately, and the total volume of water leaving the facility for disposition by use on form C-148.
5. Record sources and disposition of all recycled water.

The operator will maintain a log of all inspections and make the log available for the appropriate Division District office's review upon request.

### **FREEBOARD AND OVERTOPPING PREVENTION PLAN**

The method of operation of the containment allows for maintaining freeboard with very few potential problems. When the capacity of the containment is reached (3-ft of freeboard), the discharge of treated produced water ceases and the produced water generated by nearby oil and gas wells is managed by disposing of fluid at a local injection well.

If rising water levels suggest that 3-ft of freeboard will not be maintained, the operator will implement one or more of the following options:

1. Cease discharging treated produced water to the containment.
2. Accelerate re-use of the treated produced water for purposes approved by the Division.
3. Transfer treated produced water from the containment to a Division approved injection well.

The reading of the staff gauge typically occurs daily when treatment operations are ongoing and weekly when discharge to the containment is not occurring.

### **PROTOCOL FOR LEAK DETECTION MONITORING, FLUID REMOVAL, AND REPORTING**

As shown in Engineering Plans (Magrym), the leak detection system includes a monitoring system. Any fluid released from the primary liner will flow to the collection sump, where fluid level monitoring is possible at the monitoring riser pipe associated with the leak detection system.

Staff may employ a portable electronic water level meter to determine if fluid exists in the monitoring riser pipe. Obtaining accurate readings of water levels in a sloped pipe beneath a containment can be a challenge. An electrician's wire snake may be required to push the probe to the bottom of the port and the probe may be fixed in a 2-in pipe "dry housing" to avoid false readings due to water condensation on the pipe. There are many techniques to determine the existence of water in the sumps, including low-flow pumps and a simple small bailer affixed to an electrician's snake. The operator will use the method that works best for this containment.

If seepage from the containment into the leak detection system is suspected by a positive fluid level measurement, the operator will:

1. Re-measure fluid levels in the monitoring riser pipe on a daily basis for one week to determine the rate of seepage.
2. Collect a water sample from the monitoring riser pipe to confirm the seepage is treated produced water from the containment via field conductivity and chloride measurements.





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3. Notify NMOCD of a confirmed positive detection in the system within 48 hours of sampling (initial notification).
4. Install a pump into the monitoring riser pipe sump to continually (manually on a daily basis or via automatic timers) remove fluids from the leak detection system into the containment until the liner is repaired or replaced.
5. Dispatch a liner professional to inspect the portion of the containment suspected of leakage during a "low water" monitoring event.
6. Provide NMOCD a second report describing the inspection and/or repair within 20 days of the initial notification.

If the point of release is obvious from a low water inspection, the liner professional will repair the loss of integrity. If the point of release cannot be determined by the inspection, the liner professional will develop a more robust plan to identify the point(s) of release. The inspection plan and schedule will be submitted to OCD with the second report. The operator will implement the plan upon OCD approval.



Select Water Solutions (Select) has constructed three (3) storage pits and two (2) above ground storage tanks (AST) in Section 18, Township 22 south, Range 32 east, in Lea County, New Mexico. This Facility consists of five (5) containments with a total operational volume of approximately 1,315,359 bbls.

## **CLOSURE PLAN**

In this plan, the underlined text represents the language of the Rule.

After operations cease, the operator will remove all fluids within 60 days and close the containment within six months from the date the operator ceases operations from the containment for use.

The operator shall substantially restore the impacted surface area to

1. The condition that existed prior to the construction of the recycling containment or
2. To a condition imposed by federal, state trust land, or tribal agencies on lands managed by those agencies as these provisions govern the obligations of any operator subject to those provisions.

## **EXCAVATION AND REMOVAL CLOSURE PLAN - PROTOCOLS AND PROCEDURES**

The storage pits and AST's are expected to contain a small volume of solids, the majority of which will be windblown sand and dust with some mineral precipitates from the water.

The operator will remove all liquids from the pits and either:

- a. Dispose of the liquids in a division-approved facility, or
- b. Recycle, reuse, or reclaim the water for reuse in drilling and stimulation

The operator will close the recycling containment by first removing all fluids, contents, and synthetic liners and transferring these materials to a Division approved facility.

After the removal of the ASTs, pit contents and liners, soils beneath the pit will be tested by collection of a five-point (minimum) composite sample, which includes stained or wet soils, if any. That sample shall be analyzed for the constituents listed in Table 1 of 19.15.34.14.

After review of the laboratory results:

- a. If any contaminant concentration is higher than the parameters listed in Table 1, additional delineation may be required, and the operator must receive approval before proceeding with closure.
- b. If all contaminant concentrations are less than or equal to the parameters listed in Table 1, then the operator will proceed to:
  - i. Backfill with non-waste containing, uncontaminated earthen material or
  - ii. Undertake an alternative closure process pursuant to a variance request after approval by OCD.

The operator will reclaim the containment's location to a safe and stable condition that blends with the surrounding undisturbed area.



Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability, and preservation of surface water flow patterns.

The disturbed area shall then be reseeded in the first favorable growing season following closure of a recycling containment.

### **CLOSURE DOCUMENTATION**

Within 60 days of closure completion, the operator shall submit a closure report on Form C-147, including required attachments, to document all closure activities including sampling results and the details on any backfilling, capping or covering, where applicable. The closure report shall certify that all information in the report and attachments is correct and that the operator has complied with all applicable closure requirements and conditions specified in division rules or directives.

The operator shall notify the division when reclamation and re-vegetation are complete. Specifically, the notice will document that all ground surface disturbing activities at the site have been completed, and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

**Venegas, Victoria, EMNRD**

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**From:** Venegas, Victoria, EMNRD  
**Sent:** Thursday, December 11, 2025 11:11 AM  
**To:** Kim Henderson; Mitchell Ratke  
**Subject:** 1RF-479 - LOST TANK AND CONTAINER RECYCLING FACILITY [fVV2203540475]  
**Attachments:** C-147 1RF-479 - LOST TANK AND CONTAINER RECYCLING FACILITY [fVV2203540475]2.10.2025.pdf

**1RF-479 - LOST TANK AND CONTAINER RECYCLING FACILITY [fVV2203540475]**

Good morning Ms. Henderson.

The NMOCD has reviewed the modification request, submitted by [289068] SELECT WATER SOLUTIONS, LLC on 11/24/2025, Application ID **529303**, for the 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475] in L-18-22S-32E, Lea County, New Mexico.

[289068] SELECT WATER SOLUTIONS, LLC requested a modification of the permit issued for the 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475]. This submission is necessary to align the permit with the current facility configuration and proposed operational changes and formally register all containments. [289068] SELECT WATER SOLUTIONS, LLC failed to register and permit the three (3) earthen produced water containments upon construction. This permit modification is being submitted to correct the omission from the original C- 147 application.

This is a request for permit modification to officially remove one of the above-ground storage tanks from the current permit. The original C-147 submittal dated January 2022 proposed three 30K BBL ASTs; however, only two were constructed. [289068] SELECT WATER SOLUTIONS, LLC would also like to correct the capacity volumes for the constructed ASTs: AST #1 (North) has a capacity of 34,831 BBLS and AST #2 (South) has a capacity of 35,141. [289068] SELECT WATER SOLUTIONS, LLC also requested the addition of three new produced water earthen containments to the facility.

The requested modification has been approved with the following conditions of approval:

- 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475] was approved for five years of operations from the date of the permit application of January 21, 2022. The 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475] permit expires on January 21, 2027.
- [289068] SELECT WATER SOLUTIONS, LLC, shall operate, maintain, close, and reclaim the 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475] in compliance with 19.15.34 NMAC.
- The closure cost estimated provided in the modification request in the amount of \$2,082,335.38 meets the requirements of NMAC 19.15.34.14. The financial assurance should be mailed to:  
**EMNRD - Oil Conservation Division**  
**Administration & Compliance Bureau**  
**Attn: Bond Administrator**  
**1220 S. St. Francis Drive | Santa Fe, NM 87505.**
- If less than 20% of the total fluid capacity is utilized every six months, beginning from the first withdrawal, operation of the facility is considered ceased and notification of cessation of operations should be sent electronically to OCD Permitting. An extension to extend the cessation of operation, not to exceed six months, may be submitted using a C-147 form through OCD Permitting.
- [289068] SELECT WATER SOLUTIONS, LLC, shall comply with 19.15.29 NMAC in the event of any release of produced water or other oil field waste at 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475].

Please let me know if you have any additional questions.  
Regards,

**Victoria Venegas** • Senior Environmental Scientist  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. Artesia, NM 88210  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 529303

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 529303
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
venegas	The NMOCD has reviewed and approved the modification request, submitted by [289068] SELECT WATER SOLUTIONS, LLC on 11/24/2025, Application ID 529303, for the 1RF-479 - Lost Tank and Container Recycling Facility [fVV2203540475] in L-18-22S-32E, Lea County, New Mexico.	12/11/2025