



March 6, 2024

Victoria Venegas
Environmental Specialist
New Mexico Oil Conservation Division
506 W. Texas Ave.
Artesia, NM 88210

Re: Permit Modification Request for the Janikowski Recycle Facility (201-2011, 1RF-510)
vv. 04/04/2024

Ms. Venegas,

Pilot Water Solutions (331374) would like to submit a permit modification request for the Pilot Janikowski (1RF-510). Due to a proposed pipeline route, placement of the four recycle containments needs to be changed from the original design. Pilot Water Solutions is requesting this permit modification to stay in compliance with the originally issued Janikowski Permit. Pilot would also like to reduce the size of the AST's from 60K bbl. to 40K bbl.

All setbacks required by NMAC 19.15.34.11 are still met. No changes to the operating plans, maintenance plans, and monitoring plans were made. Pilot intends to comply with all variances granted and all previously approved permit conditions. The only deviations from the original permit will be the placement of the recycling containments as well as the sizing of the AST's.

Enclosed in the package are all necessary documents that were affected by the changes in placement of the recycle containments along with new C-147 forms for each containment with the Modification box marked.

- Updated C-147 form for all containments with Modification Box Checked
- Modified Engineering Drawings
- Updated Closure Cost Estimate

Thank you for your consideration.

Best regards,

ENVIROTECH ENGINEERING & CONSULTING, INC.

A handwritten signature in black ink, appearing to read "Mitchell Ratke".

Mitchell Ratke, P.E.
Project Engineer/Project Manager

District I
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District II
811 S. First St., Artesia, NM 88210
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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: Pilot Water Solutions SWD LLC (For multiple operators attach page with information) OGRID #: 331374
Address: 20 Greenway Plaza Ste 500 Houston, TX 77046
Facility or well name (include API# if associated with a well): Pilot Janikowski Facility - AST East
OCD Permit Number: 1RF-510 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr Section 12 Township 20 S Range 23 E County: Lea
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude 32.591801 Longitude -103.612996 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 32.589050° Longitude -103.619485° NAD83

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

☒ Lined ☐ Liner type: Thickness 40/40 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☐ String-Reinforced

Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 40,000 bbl Dimensions: L _____ x W 155 x D 12

☐ 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 \$1,205,864 (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.

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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.

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

☐ Yes ☒ No
☐ NA

Within the area overlying a subsurface mine.

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

☐ Yes ☒ No

Within an unstable area.

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

☐ Yes ☒ No

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).

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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.

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

☐ Yes ☒ No

Within 500 feet of a wetland.

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

☐ Yes ☒ No

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): David Grounds Title: Vice President, Regulatory Compliance

Signature: David Grounds Date: 04.07.2024

e-mail address: david.grounds@pilotwater.com Telephone: 713-307-8702

11.

OCD Representative Signature: Victoria Venegas Approval Date: 04/04/2024

Title: Environmental Specialist OCD Permit Number: 1RF-510

- ☒ OCD Conditions _____
- ☐ Additional OCD Conditions on Attachment

Type text here

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3.
☒ **Recycling Containment:**
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Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 286,340 bbl Dimensions: L 325 x W 475 x D 21
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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.

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

☐ Yes ☒ No
☐ NA

Within the area overlying a subsurface mine.

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

☐ Yes ☒ No

Within an unstable area.

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

☐ Yes ☒ No

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).

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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.

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

☐ Yes ☒ No

Within 500 feet of a wetland.

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

☐ Yes ☒ No

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): David Grounds Title: Vice President, Regulatory Compliance

Signature: David Grounds Date: 04.07.2024

e-mail address: david.grounds@pilotwater.com Telephone: 713-307-8702

11.

OCD Representative Signature: Victoria Venegas Approval Date: 04/04/2024

Title: Environmental Specialist OCD Permit Number: 1RF-510

- ☒ OCD Conditions _____
- ☐ Additional OCD Conditions on Attachment

JANIKOWSKI RECYCLE FACILITY

PILOT WATER SOLUTIONS

SECTION 12, TOWNSHIP 20 SOUTH, RANGE 33 EAST

32° 35' 20.097" N, -103° 37' 11.5062" W
32.588916°, -103.619863°

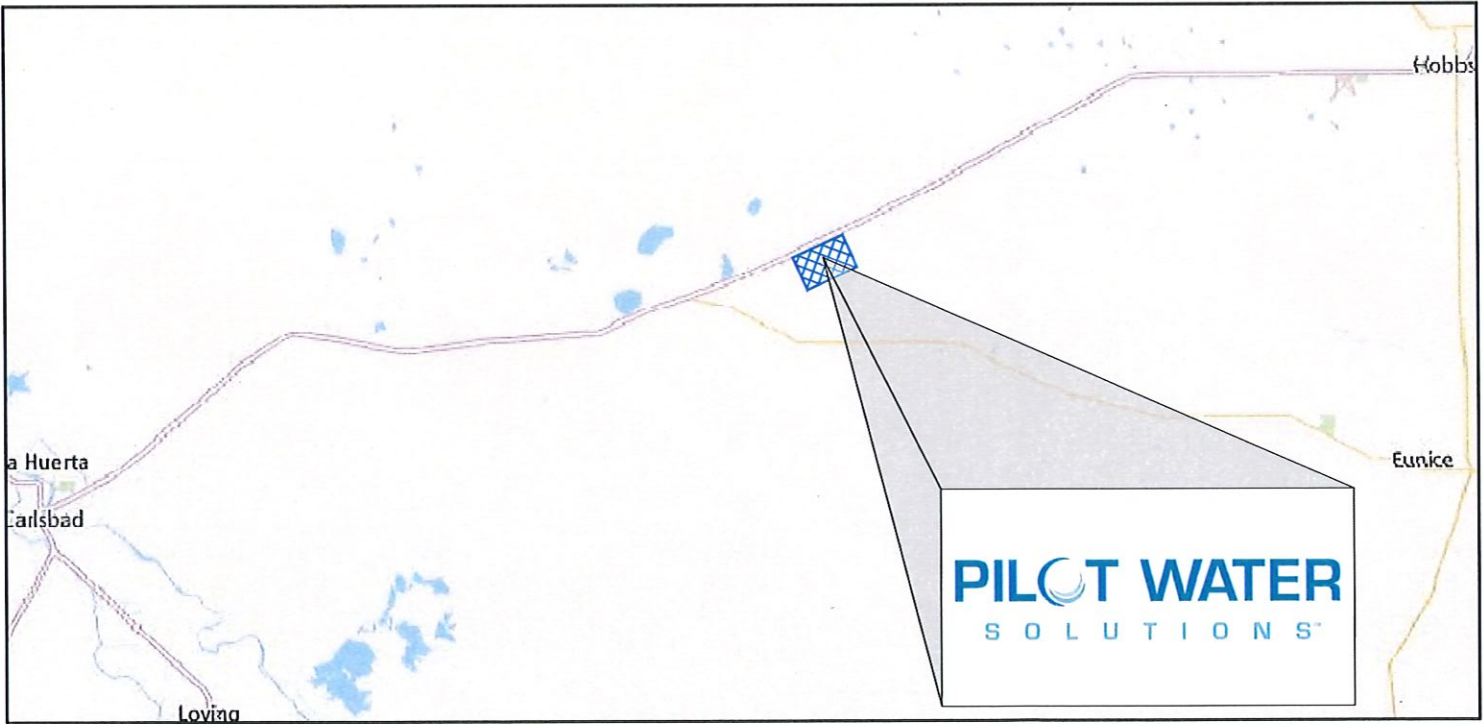
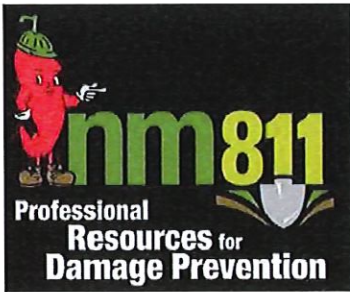


INDEX TO DRAWINGS 11X17

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	PROJECT LOCATION
3	EXISTING SITE FEATURES
4	SITE PLAN
5	PIT CAPACITIES
6	RUB SHEET & FENCE PLAN
7	CROSS SECTIONS
8	CROSS SECTIONS
9	SUMP DETAILS
10	LINER DETAILS
11	FENCE DETAILS
12	AST LEAK DETECTION

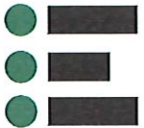
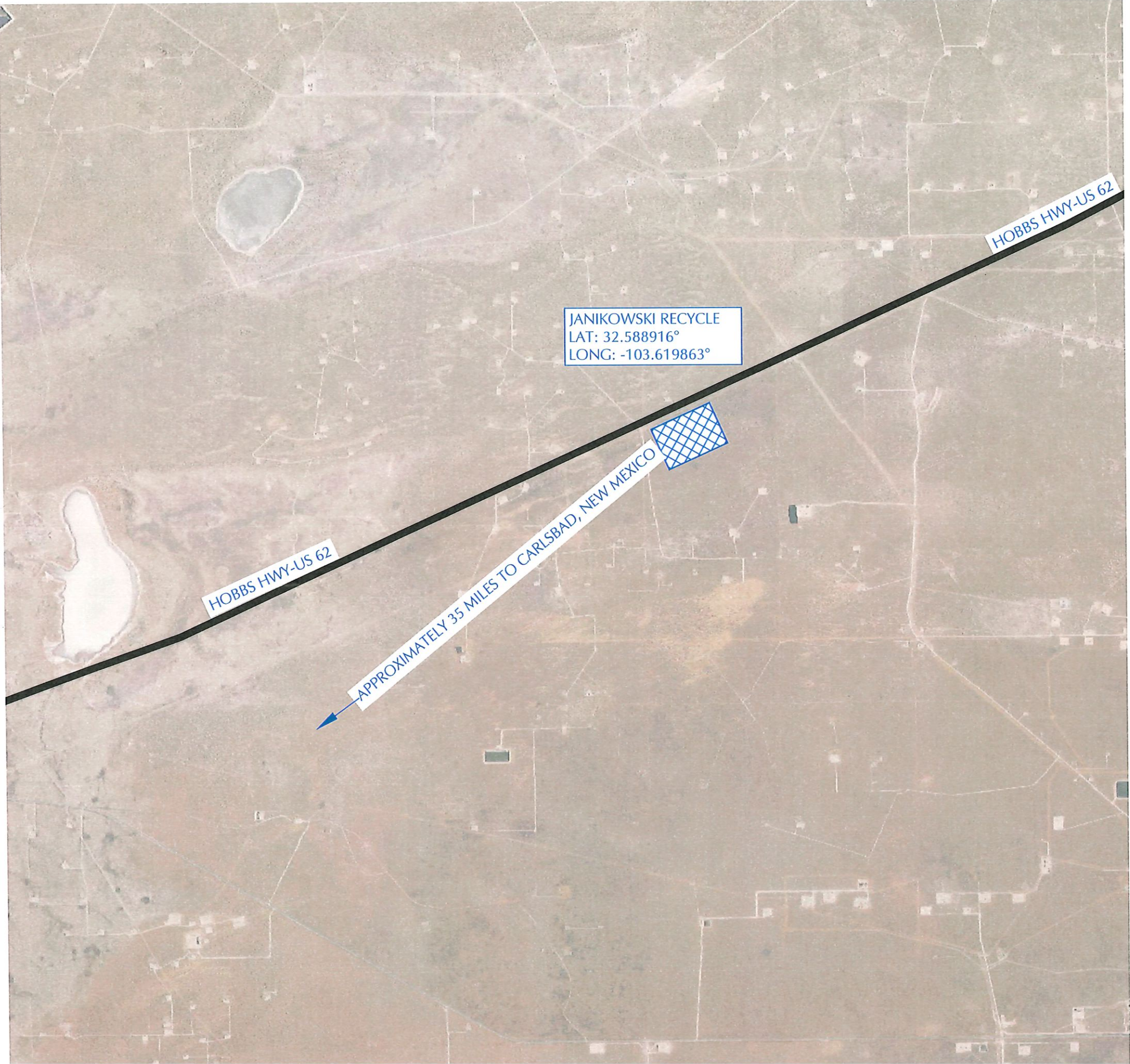
CONTACTS

TAYLOR SMITH - PILOT WATER SOLUTIONS - (830) 237-9668
ENVIROTECH ENGINEERING CONSULTING - MITCHELL RATKE, PE
(580)-234-8780 (DESIGN ENGINEER)
ENVIROTECH ENGINEERING CONSULTING - DOUG SCHRANTZ, PE
(580)-234-8780 (SUPERVISING ENGINEER)



2500 N. Eleventh Street Enid, OK 73701 • 580.234.8780 • envirotechconsulting.com
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CAUTION
NOTICE TO CONTRACTOR
THE CONTRACTOR IS CAUTIONED THE LOCATION AND DEPTH OF EXISTING UTILITIES AS SHOWN ON
THESE PLANS ARE BASED ON PUBLICLY AVAILABLE RECORDS OF THE VARIOUS UTILITY COMPANIES AND
FIELD MEASUREMENTS. THE INFORMATION PROVIDED IS NOT TO BE RELIED ON AS BEING PRECISE OR
COMPLETE. THE CONTRACTOR MUST CONTACT THE LOCAL UTILITY LOCATION CENTER AT LEAST 72



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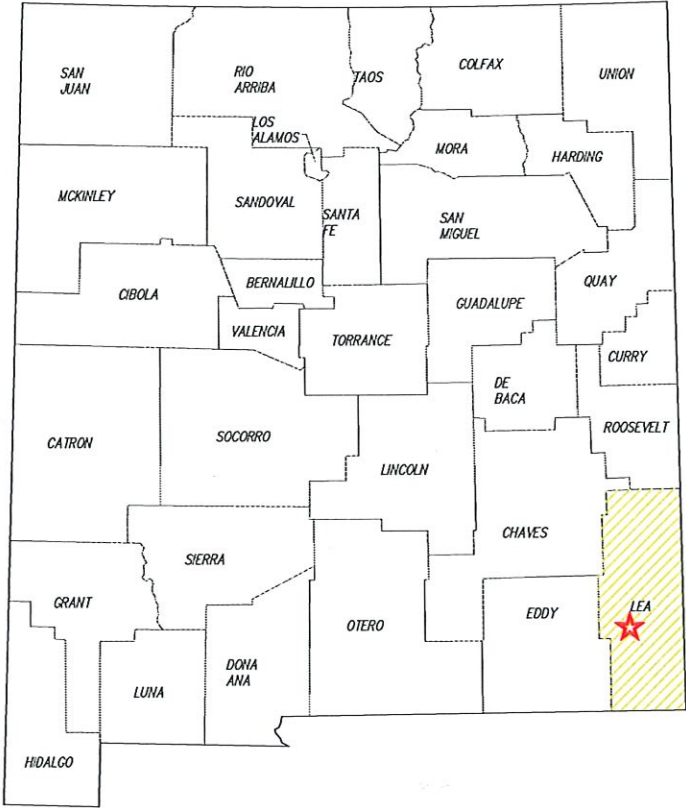
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NO.	DATE	DESCRIPTION

PILOT WATER
SOLUTIONS™



PROJECT LOCATION
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12, TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

DATE:	MARCH 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	M. RATKE
DRAWN BY:	K. TALBOTT
CHECKED BY:	D. SCHRANTZ
PROJECT NO.	024055-00
SHEET NO.	2 OF 12



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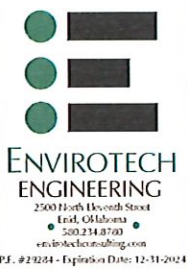
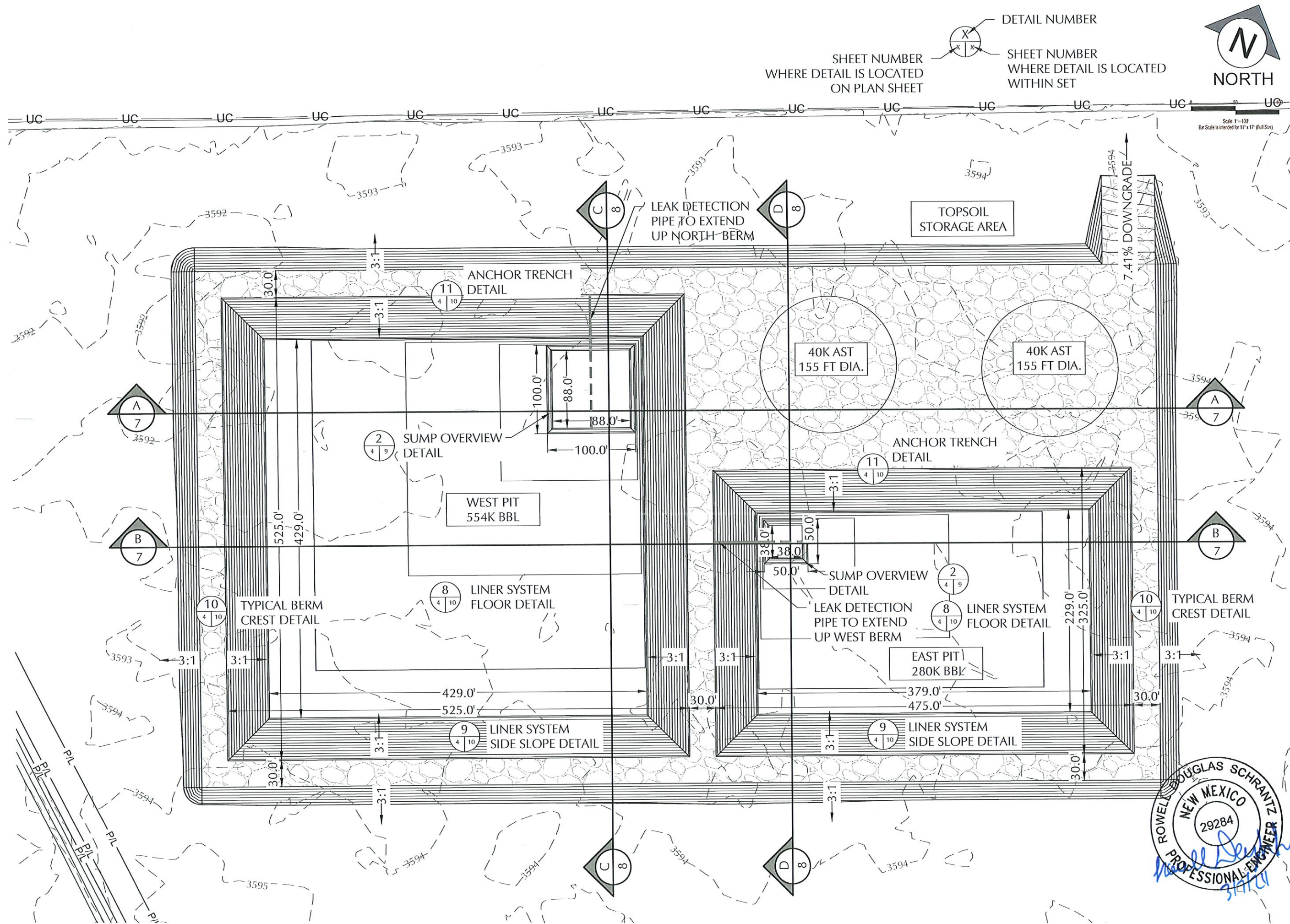
NO.	DATE	DESCRIPTION

EXISTING SITE FEATURES
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12, TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

DATE: MARCH 2024
SCALE: 1" = 200'
DESIGNED BY: M. RATKE
DRAWN BY: K. TALBOTT
CHECKED BY: D. SCHRANTZ
PROJECT NO. 024055-00
SHEET NO. 3 OF 12

PILOT WATER SOLUTIONS

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NO.	DATE	DESCRIPTION

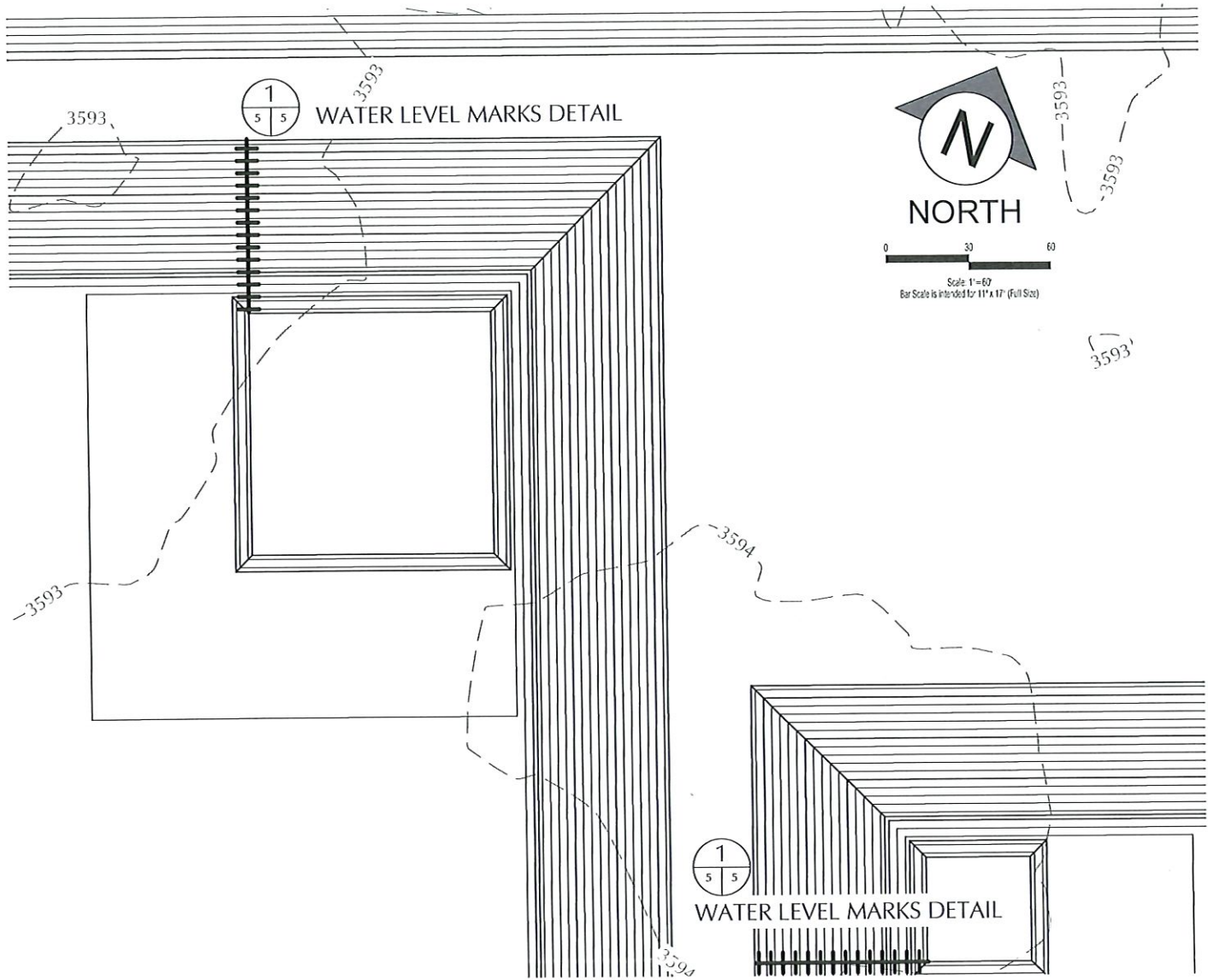


PILOT WATER
SOLUTIONS

SITE PLAN
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12, TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

DATE:	MARCH 2024
SCALE:	1" = 100'
DESIGNED BY:	M. RATKE
DRAWN BY:	K. TALBOTT
CHECKED BY:	D. SCHRANTZ
PROJECT NO.	024055-00
SHEET NO.	

Released to Imaging: 4/4/2024 1:52:59 PM

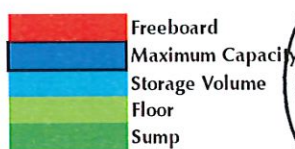


Owner	Pilot Water Solutions		
Site Name	Janikowski Recycle West Storage Pit		
	Top	Bottom	Max
Lagoon Features			Liq. Level
Side slope Ratio	3		3
Maximum Depth (ft)	21.0		18.0
Lagoon Top Width (ft)	525	429	507
Lagoon Top Length (ft)	525	429	507
Maximum Total Vol (ft³)	3,906,867		3,108,124
Maximum Total Vol (bbls)	695,887		553,616

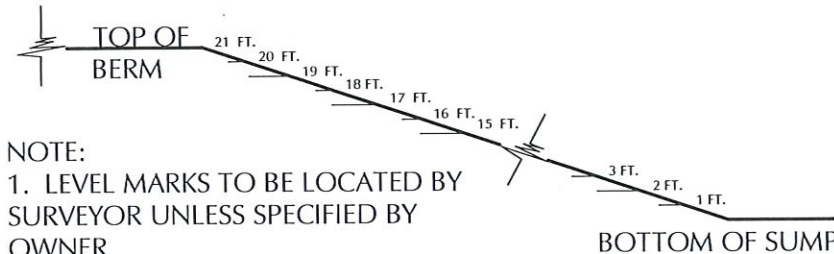
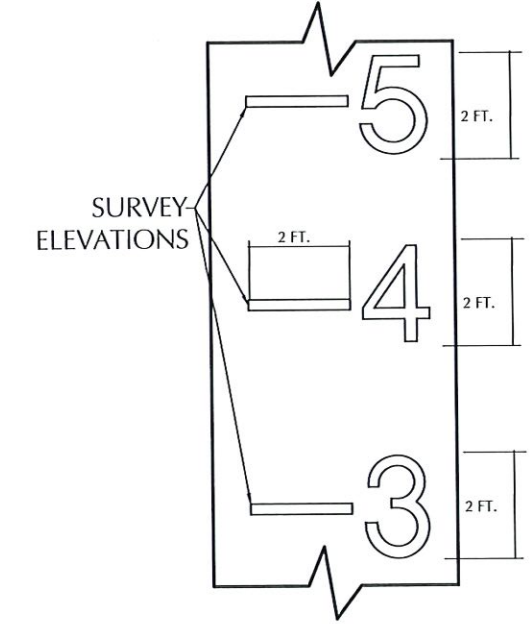


Elevation	Lagoon Liq Depth	Storage	Remaining Stor Vol	Gallons Storage	BBLS Storage	Percent of Total Volume	Vol in lagoon	Gallons Storage	Vol in Lagoon	Vol in Lagoon	Percent Total Vol
ft	ft	ft	ft³	gal	bbls	%	ft³	gal	bbls	ac-ft	%
3601.50	21.0	0.0	-	-	-	0.0%	3,906,867	29,227,269	695,887	89.69	100%
3600.50	20.0	1.0	272,451	2,038,203	48,529	7.0%	3,634,416	27,189,067	647,359	83.43	93%
3599.50	19.0	2.0	538,674	4,029,819	95,948	13.8%	3,368,193	25,192,451	599,939	77.32	86%
3598.50	18.0	3.0	798,742	5,975,391	142,271	20.4%	3,108,124	23,251,879	553,616	71.35	80%
3597.50	17.0	4.0	1,052,727	7,875,452	187,511	26.9%	2,854,139	21,351,817	508,377	65.52	73%
3596.50	16.0	5.0	1,300,701	9,730,544	231,680	33.3%	2,606,166	19,496,726	464,208	59.83	67%
3595.50	15.0	6.0	1,542,736	11,541,206	274,791	39.5%	2,364,131	17,686,063	421,097	54.27	61%
3594.50	14.0	7.0	1,778,903	13,307,974	316,857	45.5%	2,127,964	15,919,295	379,031	48.85	54%
3593.50	13.0	8.0	2,009,275	15,031,388	357,890	51.4%	1,897,591	14,195,881	337,997	43.56	49%
3592.50	12.0	9.0	2,242,023	16,772,576	399,347	57.4%	1,664,843	12,454,693	296,540	38.22	43%
3591.50	11.0	10.0	2,452,922	18,350,310	436,912	62.8%	1,453,945	10,876,960	258,975	33.38	37%
3590.50	10.0	11.0	2,666,340	19,946,892	474,926	68.2%	1,240,526	9,280,377	220,961	28.48	32%
3589.50	9.0	12.0	2,874,252	21,502,277	511,959	73.6%	1,032,615	7,724,992	183,928	23.71	26%
3588.50	8.0	13.0	3,076,728	23,016,999	548,024	78.8%	830,139	6,210,270	147,864	19.06	21%
3587.50	7.0	14.0	3,273,840	24,491,598	583,133	83.8%	633,026	4,735,671	112,754	14.53	16%
3586.50	6.0	15.0	3,465,662	25,926,615	617,300	88.7%	441,205	3,300,654	78,587	10.13	11%
3585.50	5.0	16.0	3,652,264	27,322,585	650,538	93.5%	254,603	1,904,685	45,350	5.84	7%
3584.50	4.0	17.0	3,793,248	28,377,287	675,650	97.1%	113,619	849,983	20,238	2.61	3%
3583.50	3.0	18.0	3,864,201	28,908,086	688,288	98.9%	42,666	319,184	7,600	0.98	1%
3582.50	2.0	19.0	3,889,173	29,094,903	692,736	99.5%	17,694	132,367	3,152	0.41	0%
3581.50	1.0	20.0	3,898,584	29,165,306	694,412	99.8%	8,283	61,963	1,475	0.19	0%
3580.50	0.0	21.0	3,906,867	29,227,269	695,887	100.0%	-	-	-	-	0%

Owner	Pilot Water Solutions		
Site Name	Janikowski Recycle East Storage Pit		
	Top	Bottom	Max
Lagoon Features			Liq. Level
Side slope Ratio	3		3
Maximum Depth (ft)	21.0		18.0
Lagoon Top Width (ft)	475	379	457
Lagoon Top Length (ft)	325	229	307
Maximum Total Vol (ft³)	2,012,870		1,571,080
Maximum Total Vol (bbls)	358,530		279,839



Elevation	Lagoon Liq Depth	Storage	Remaining Stor Vol	Gallons Storage	BBLS Storage	Percent of Total Volume	Vol in lagoon	Gallons Storage	Vol in Lagoon	Vol in Lagoon	Percent Total Vol
ft	ft	ft	ft³	gal	bbls	%	ft³	gal	bbls	ac-ft	%
3601.50	21.0	0.0	-	-	-	0.0%	2,012,870	15,058,279	358,530	46.21	100%
3600.50	20.0	1.0	151,966	1,136,861	27,068	7.5%	1,860,903	13,921,418	331,462	42.72	92%
3599.50	19.0	2.0	299,206	2,238,359	53,294	14.9%	1,713,664	12,819,920	305,236	39.34	85%
3598.50	18.0	3.0	441,790	3,305,029	78,691	21.9%	1,571,080	11,753,250	279,839	36.07	78%
3597.50	17.0	4.0	579,790	4,337,412	103,272	28.8%	1,433,079	10,720,867	255,259	32.90	71%
3596.50	16.0	5.0	713,279	5,336,044	127,049	35.4%	1,299,590	9,722,235	231,482	29.83	65%
3595.50	15.0	6.0	842,329	6,301,465	150,035	41.8%	1,170,541	8,756,814	208,496	26.87	58%
3594.50	14.0	7.0	967,012	7,234,213	172,243	48.0%	1,045,858	7,824,066	186,287	24.01	52%
3593.50	13.0	8.0	1,087,398	8,134,828	193,686	54.0%	925,471	6,923,451	164,844	21.25	46%
3592.50	12.0	9.0	1,203,562	9,003,847	214,377	59.8%	809,308	6,054,432	144,153	18.58	40%
3591.50	11.0	10.0	1,315,574	9,841,810	234,329	65.4%	697,296	5,216,469	124,202	16.01	35%
3590.50	10.0	11.0	1,423,506	10,649,252	253,554	70.7%	589,363	4,409,027	104,977	13.53	29%
3589.50	9.0	12.0	1,527,432	11,426,717	272,065	75.9%	485,438	3,631,562	86,466	11.14	24%
3588.50	8.0	13.0	1,627,421	12,174,739	289,875	80.9%	385,449	2,883,540	68,656	8.85	19%
3587.50	7.0	14.0	1,723,548	12,893,860	306,997	85.6%	289,322	2,164,419	51,534	6.64	14%
3586.50	6.0	15.0	1,815,882	13,584,615	323,443	90.2%	196,988	1,473,664	35,087	4.52	10%
3585.50	5.0	16.0	1,904,497	14,247,545	339,227	94.6%	108,372	810,734	19,303	2.49	5%
3584.50	4.0	17.0	1,969,597	14,734,555	350,823	97.9%	43,273	323,724	7,708	0.99	2%
3583.50	3.0	18.0	2,000,061	14,962,457	356,249	99.4%	12,809	95,822	2,281	0.29	1%
3582.50	2.0	19.0	2,008,974	15,029,136	357,837	99.8%	3,896	29,143	694	0.09	0%
3581.50	1.0	20.0	2,011,186	15,045,683	358,231	99.9%	1,684	12,596	300	0.04	0%
3580.50	0.0	21.0	2,012,870	15,058,279	358,530	100.0%	-	-	-	-	0%



- NOTE:
1. LEVEL MARKS TO BE LOCATED BY SURVEYOR UNLESS SPECIFIED BY OWNER
 2. MARKS TO BE MADE BY AN EXTRUSION WELDER USING BLACK FILAMENT (OR WHITE FILAMENT ON BLACK LINER).
 3. MARKS SHOULD BEGIN AT THE TOP OF BERM AND CONTINUE TO THE BOTTOM OF THE SUMP. (TOP OF BERM SHOULD READ 21-FT, BOTTOM OF SUMP +1-FT SHOULD READ 1-FT)
 4. REFERENCE PIT CAPACITY TABLES FOR ACCURATE ELEVATIONS



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PF: #29284 - Expires on Date: 12-31-2024

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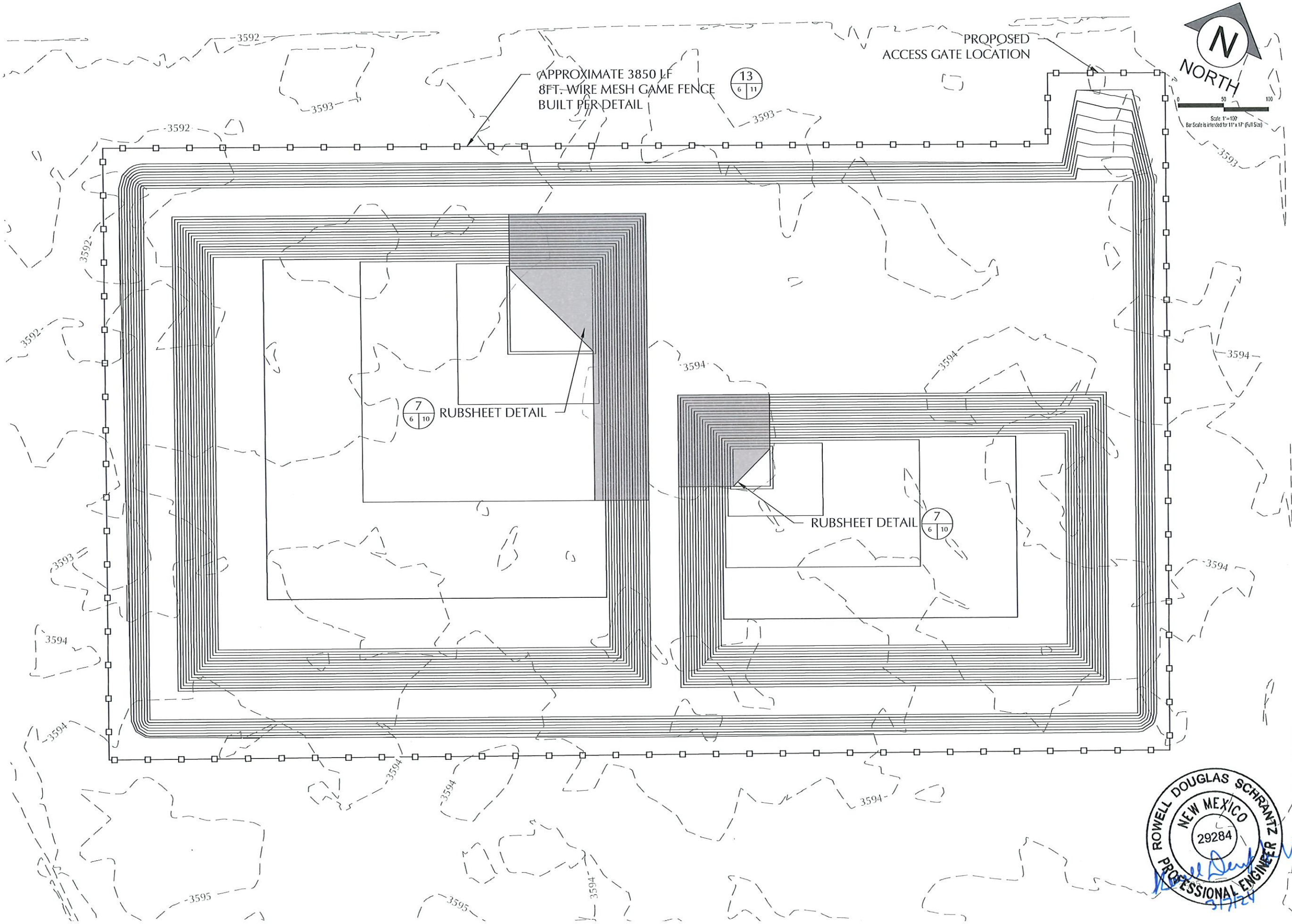
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PIT CAPICITIES
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION

SECTION 12: TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

DATE: MARCH 2024
SCALE: 1" = 60'
DESIGNED BY: M. RATKE
DRAWN BY: K. TALBOTT
CHECKED BY: D. SCHRANTZ
PROJECT NO. 024055-00
SHEET NO.

5 OF 12



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2500 North Eleventh Street

Irish, Oklahoma

560,234,8700

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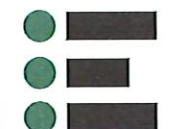
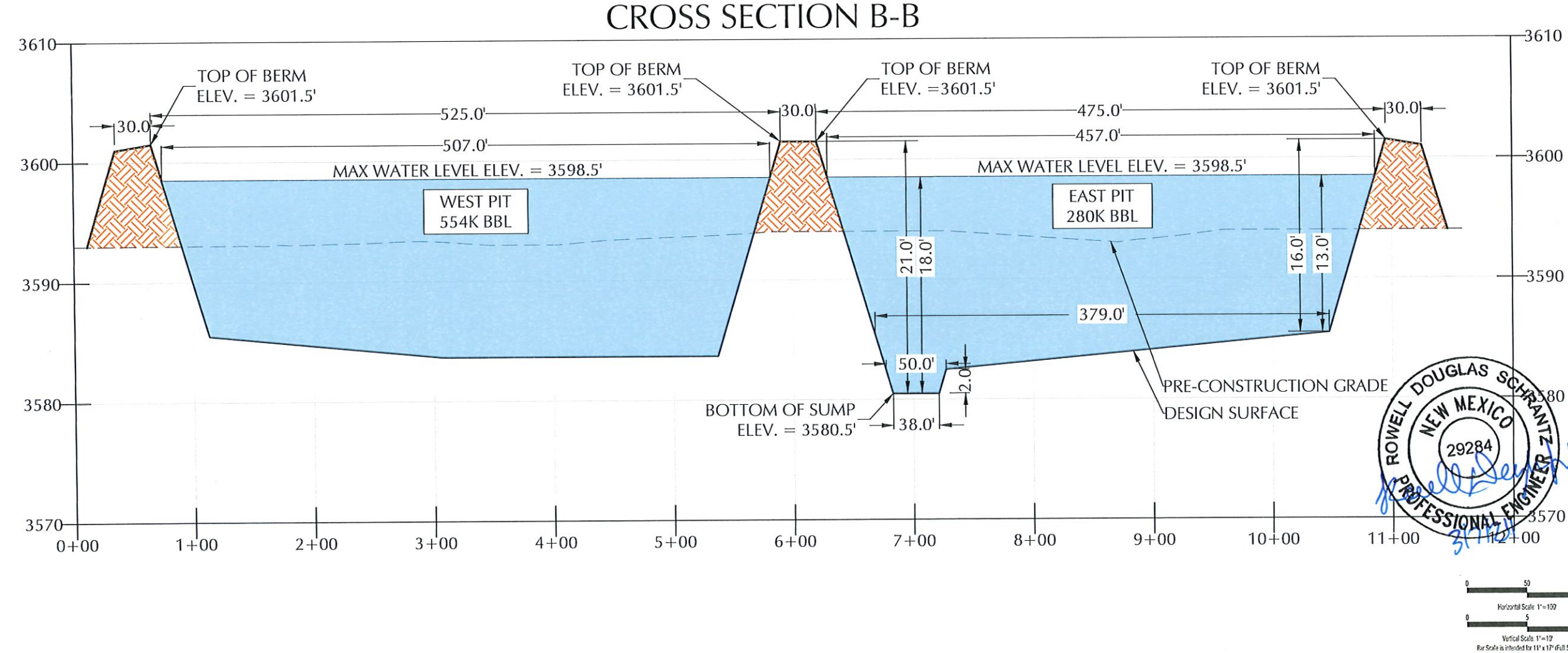
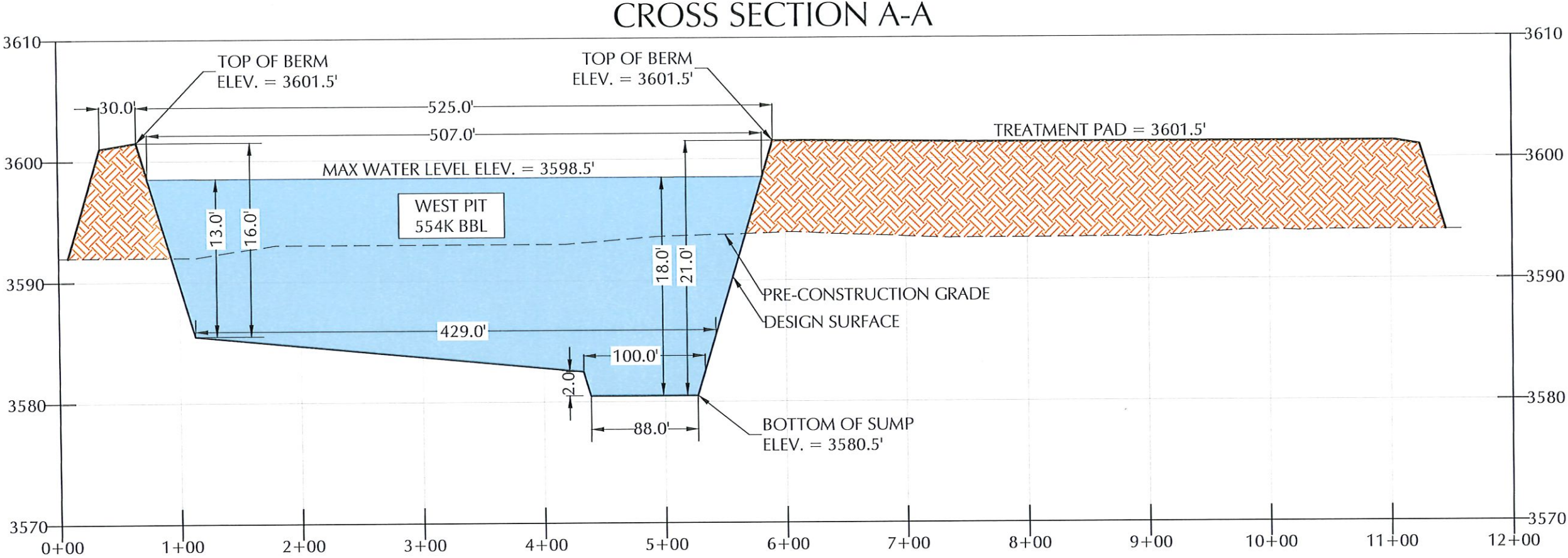
NO.	DATE	DESCRIPTION

PILOT WATER
SOLUTIONS

RUB SHEET & FENCE PLAN
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12, TOWNSHIP 20 SOUTH., RANGE 33 EAST
LEA COUNTY, NEW MEXICO



DATE:	MARCH 2024
SCALE:	1" = 100'
DESIGNED BY:	M. RATKE
DRAWN BY:	K. TALBOTT
CHECKED BY:	D. SCHRANTZ
PROJECT NO.	024055-00
SHEET NO.	6 OF 12



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Tulsa, Oklahoma
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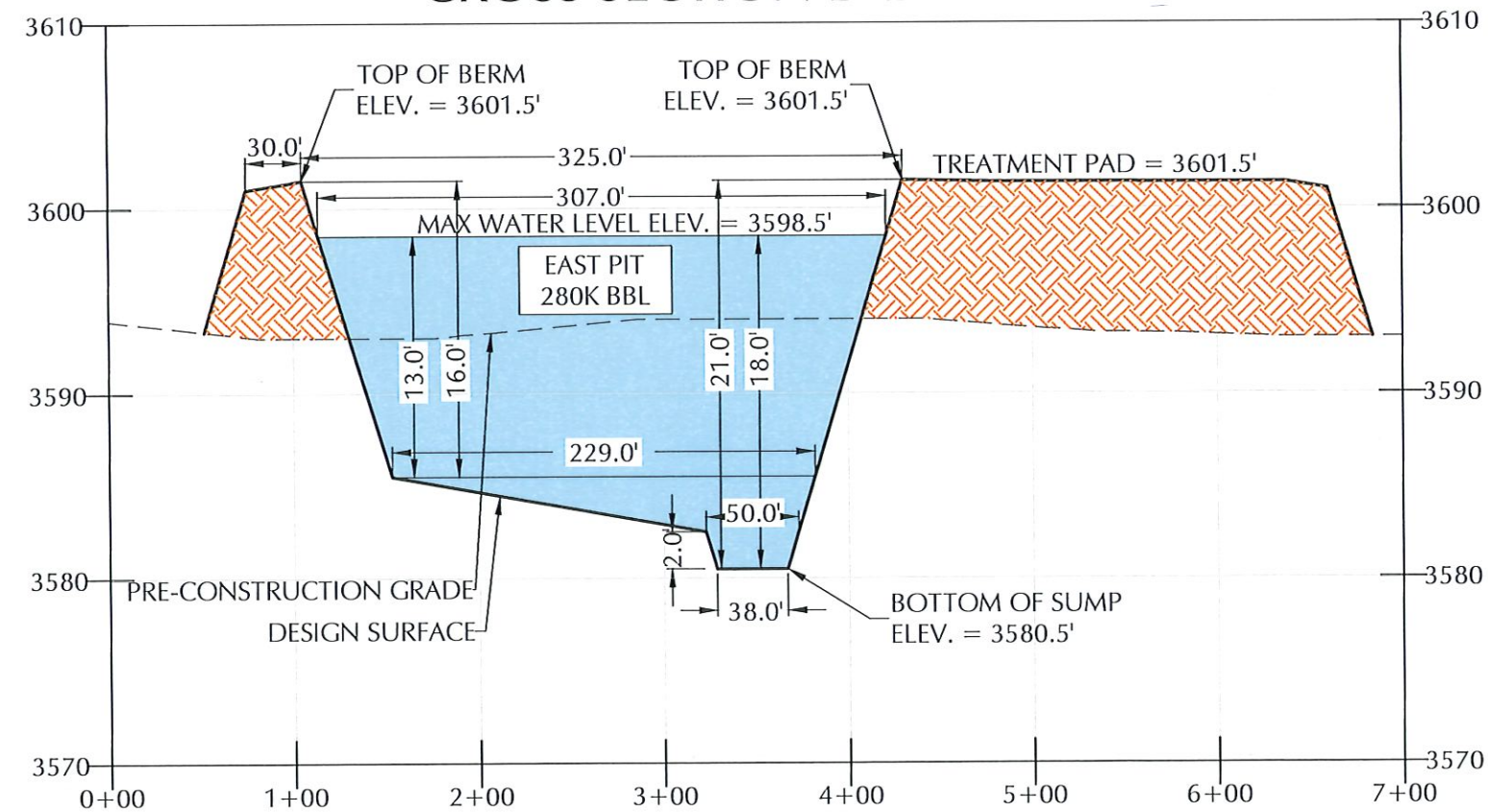
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NO.	DATE	DESCRIPTION

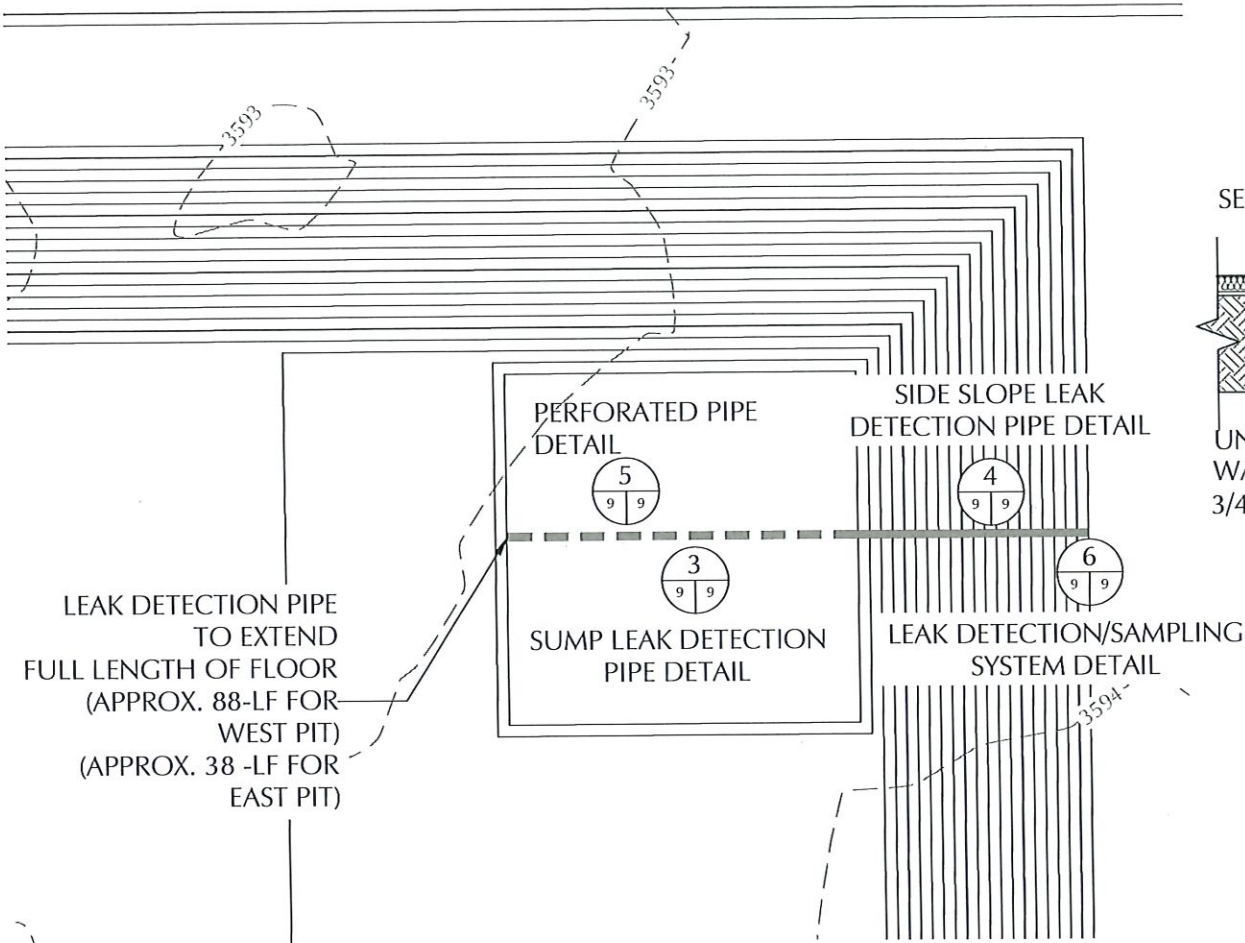
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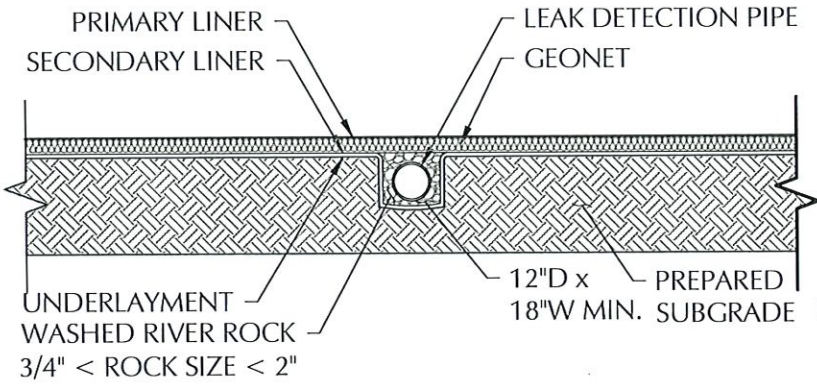
CROSS SECTIONS
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12, TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

DATE:	MARCH 2024
SCALE:	HORIZONTAL = 100' VERTICAL = 10'
DESIGNED BY:	M. RATKE
DRAWN BY:	K. TALBOTT
CHECKED BY:	D. SCHRANTZ
PROJECT NO.	024055-00
SHEET NO.	

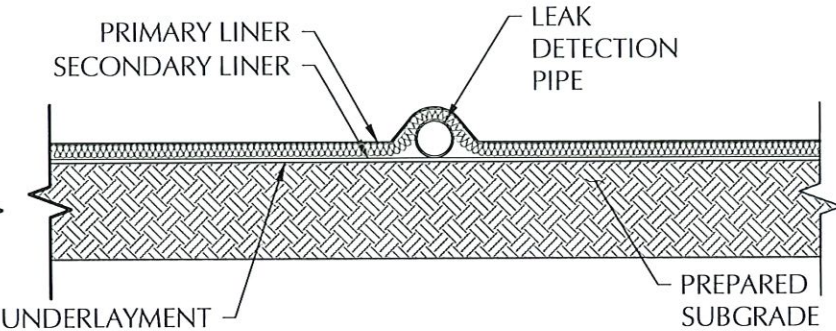
OF 12



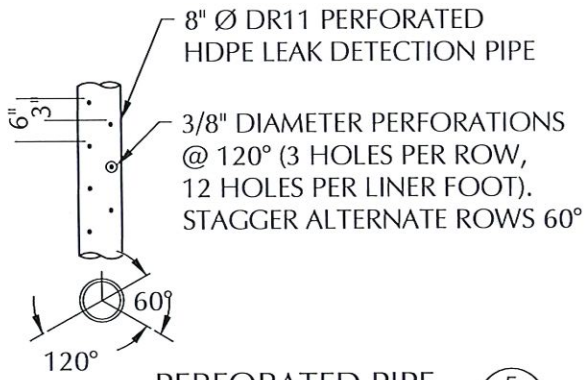
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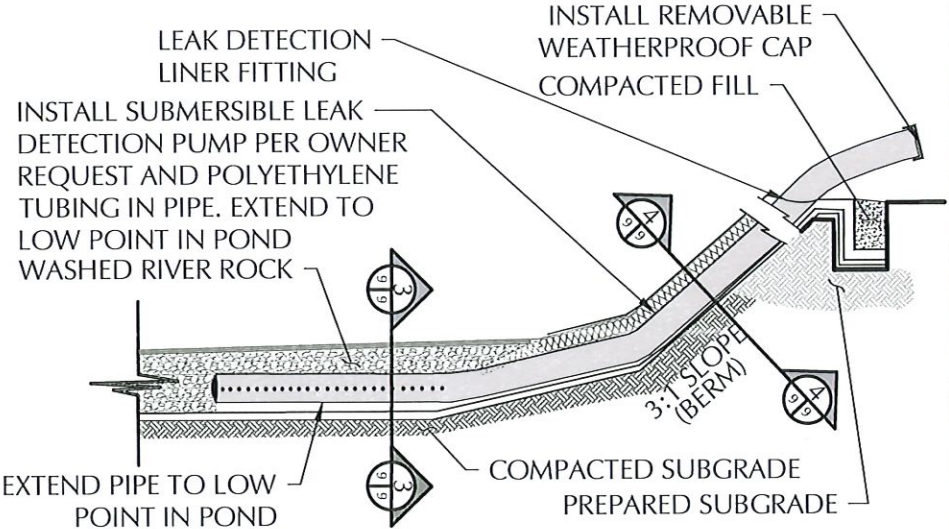
SUMP LEAK DETECTION PIPE DETAIL (3)
NOT TO SCALE



SIDE SLOPE LEAK DETECTION PIPE DETAIL (4)
NOT TO SCALE



PERFORATED PIPE DETAIL (5)
NOT TO SCALE



LEAK DETECTION/SAMPLING SYSTEM DETAIL (6)
NOT TO SCALE

PROPOSED PIT REFERENCE TABLE	
DETAIL	DESCRIPTION
PRIMARY LINER	60- MIL HDPE SMOOTH LINER
LEAK DETECTION	200-MIL GEONET
SECONDARY LINER	40-MIL HDPE SMOOTH LINER
UNDERLAYMENT	10 OZ GEOTEXTILE
SUMP	3580.50-FT ELEVATION
BERM (ROAD CREST)	DESIGN ELEV. 3601.50 FT- RD CREST VARIES (30-FT)
LEAK DETECTION PIPING	8-IN DR11. PERFORATED HDPE LEAK DETECTION PIPE

- NOTES:
1. LEAK DETECTION SYSTEM TO BE INSTALLED BY OWNER.
 2. PERFORATED PIPE TO BE ALONG THE BOTTOM OF THE POND. SOLID PIPE ON THE SIDE SLOPE.
 3. CONSTRUCT COMPACTED SUBGRADE TO 95% STANDARD PROCTOR AS PER ASTM D-698.
 4. WASH RIVER ROCK SHALL BE 3/4" MIN. & 2" MAX.



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Tulsa, Oklahoma 74107
918.241.8700
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P.E. #29284 - Expiration Date: 12-31-2024

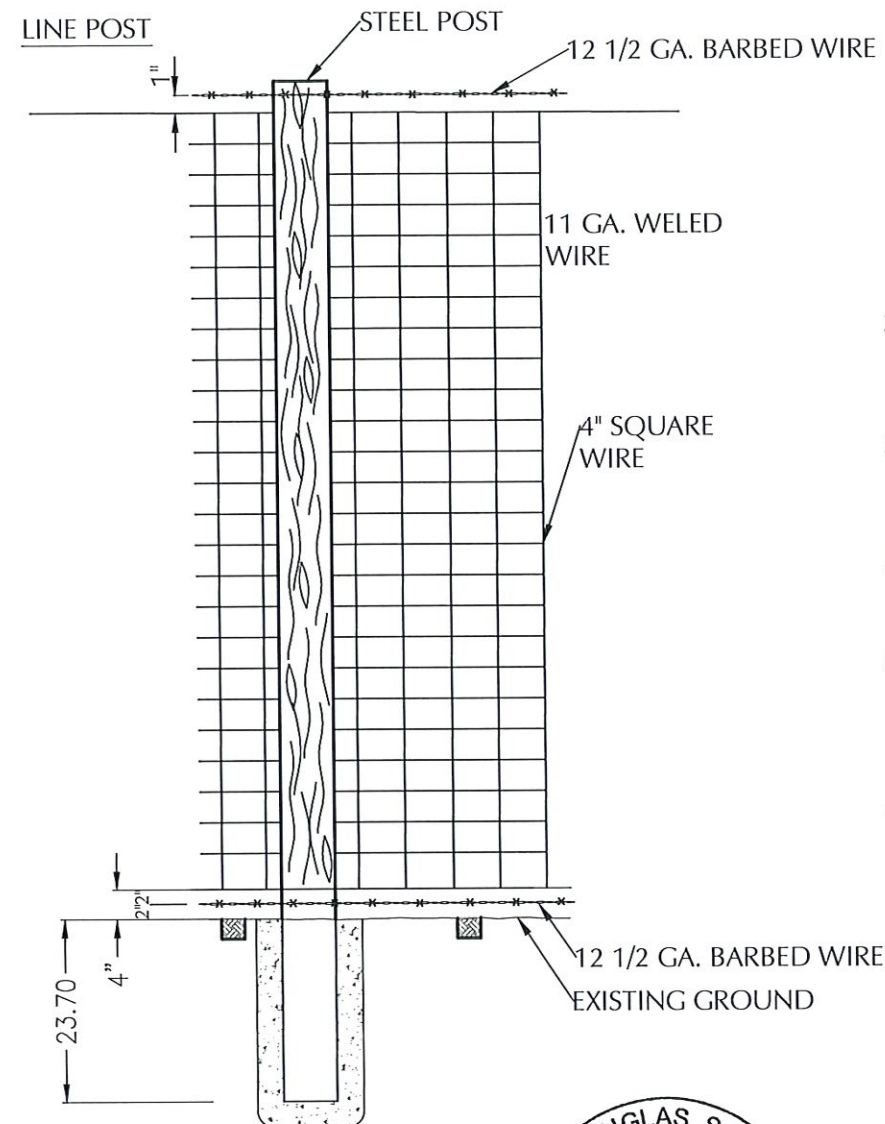
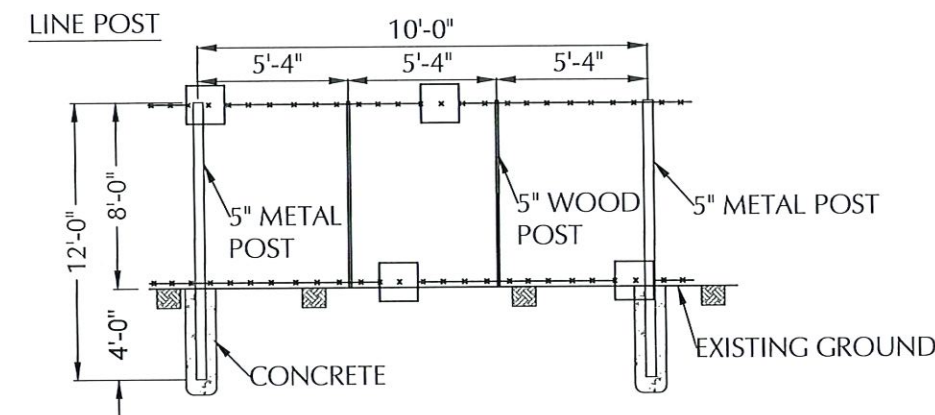
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NO.	DATE	DESCRIPTION

PILOT WATER SOLUTIONS™

SUMP DETAILS
JANIKOWSKI RECYCLE
PILOT WATER SOLUTION
SECTION 12: TOWNSHIP 20 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO

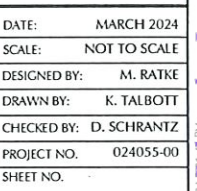
DATE: MARCH 2024
SCALE: NOT TO SCALE
DESIGNED BY: M. RATKE
DRAWN BY: K. TALBOTT
CHECKED BY: D. SCHRANTZ
PROJECT NO. 024055-00
SHEET NO. 9 OF 12



-
- Technical drawing of a corner post assembly for a fence. The drawing shows a corner post (labeled "CORNER POST") with dimensions: 10'-0" spacing between posts, 6" post diameter, 9 GA. WIRE, 8'-0" height, and 4'-0" base height. It also indicates "EXISTING GROUND" and a "6'-0" height" for the wire section.



1. 12V SUBMERSIBLE PUMP SHALL BE MOBILE AND MOVED AS NEEDED BETWEEN EACH OF THE 3 STANDPIPES AS NEEDED
2. LEVEL SENSOR PROBE IN 1 OF 3 LEAK DETECTION PIPES
3. ALL HDPE PIPING SHALL BE SDR 17
4. PREPARED SUBGRADE MEANS COMPACTED SMOOTH SUBGRADE FREE OF ROCK, ROOTS, WOOD DEBRIS, CONCRETE RUBBLE AND ANY SHARP OBJECTS THAT MIGHT PUNCTURE THE LLDPE LINER.
5. ALL ELEVATIONS SHOWN ARE RELATIVE TO EACH OTHER BUT ARBITRARY IN NATURE.



**Pilot Water Solutions
Janikowski Recycle Facility
Closure Cost Estimate**

Item	Units	Quantity	\$/Unit	Estimate Cost
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Facility Closure

1 Fluid removal				
Janikowski East Recycle Containment (286K bbls)	bbls	286,340	\$ 0.50	\$ 143,170.00
Janikowski West Recycle Containment (554K bbls)	bbls	553,616	\$ 0.50	\$ 276,808.00
Janikowski East Recycle AST	bbls	40,000	\$ 0.50	\$ 20,000.00
Janikowski West Recycle AST	bbls	40,000	\$ 0.50	\$ 20,000.00
2 Vac truck (final fluid removal)	hrs	20	\$ 125.00	\$ 2,500.00
3 Liner removal (fold-in-place)				
Covers removal and disposal	SF	1,897,700	\$ 0.18	\$ 341,586.00
4 Equipment removal				
Containment clean-out and residue haul-off	LS	1	\$ 10,000.00	\$ 10,000.00
Equipment removal (tanks, gun barrel, FWKO)	LS	1	\$ 7,500.00	\$ 7,500.00
Electrical decommissioning (pumps and panels)	LS	1	\$ 5,000.00	\$ 5,000.00
Misc equipment clean-up and removal	hr	120	\$ 135.00	\$ 16,200.00
Removal of AST	LS	2	\$ 75,000.00	\$ 150,000.00
5 Site Restoration				
Dozer - push in berms (bid)	CY	103,800	\$ 2.00	\$ 207,600.00
and final grading of the site				
Re-vegetation	ea	1	\$ 5,500.00	\$ 5,500.00

Estimated Total

\$ 1,205,864.00

Assumptions

No Remediation will be necessary

Containment is full at time of closure

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



Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, April 4, 2024 1:50 PM
To: David Grounds
Cc: Mitchell Ratke
Subject: 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058]
Attachments: C-147 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] 04.04.2024.pdf

1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058]

Good afternoon, Mr. Grounds.

NMOCD has reviewed the modification request submitted by [331374] Pilot Water Solutions SWD LLC on 03/29/2024, Application ID 328025, for 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] in Unit Letter F, Section 12, Township 20S, Range 33E, Lea County, New Mexico. The modification request has been approved with the following conditions of approval:

- [331374] Pilot Water Solutions SWD LLC will operate 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] as originally permitted.
- [331374] Pilot Water Solutions SWD LLC will comply with all conditions previously approved for the 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] permit.
- No changes to the operations procedures, maintenance, monitoring procedures, or closure procedures will be made aside from the requested modification.

Please let me know if you have any additional questions.

Regards,

Victoria Venegas • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
<https://www.emnrd.nm.gov/o cd/>



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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 328025

CONDITIONS

Operator: Pilot Water Solutions SWD LLC 20 Greenway Plaza, Suite 500 Houston, TX 77046	OGRID: 331374
	Action Number: 328025
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	The modification request has been approved with the following conditions of approval: • [331374] Pilot Water Solutions SWD LLC will operate 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] as originally permitted. • [331374] Pilot Water Solutions SWD LLC will comply with all conditions previously approved for the 1RF-510 - JANIKOWSKI RECYCLING FACILITY [fVV2331833058] permit. • No changes to the operations procedures, maintenance, monitoring procedures, or closure procedures will be made aside from the requested modification.	4/4/2024