

NM1-62

**Minor
Modification**

3/5/19

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Gabriel Wade
Acting Director, Oil Conservation Division



March 5, 2019

Arif Mussani
Sundance West, Inc.
1006 6th Street
Eunice, New Mexico

RE: Approval of Minor Modification Associated with Evaporation Ponds at the Sundance West Commercial Surface Waste Management Facility (NM1-62) Located in Section 30 of Township 21 South, Range 38 East NMPM, in Lea County

Mr. Mussani,

The Oil Conservation Division (OCD) has reviewed the application for a minor modification to permit NM1-62 submitted on your behalf by Gordon Environmental PSC and dated January 9th, 2019. This request for modification entails a design change to provide separation between six existing evaporation ponds from four unbuilt ponds; A-4, A-5, B-4, and B-5. This modification request does not appear to entail any increase in the area of the permitted facility, is not a change in the facility's capacity, does not modify the nature of the waste stream, does not involve a new treatment process, or request any exception, waiver, or change to a numeric standard under the rule (19.15.36 NMAC). As such, the OCD agrees the modification is minor in nature.

This minor modification is approved with the following conditions:

- The existing and proposed ponds cannot exceed the 10 acre-foot maximum volume limit under the rule.
- Please update the pond numbering to be consistent with the original permit.
- The permit requires discharges from produced water tanks to be piped through the mechanical oil/water separation unit(s) utilizing dissolved air flotation prior to discharge to the evaporation ponds. Please provide information to the OCD indicating how produced water will be delivered to the ponds in compliance with the permit.
- Sundance West must comply with the previously approved liner construction quality assurance plan described in Volume II, Section 7 of the original permit application during construction of the ponds.

Respectfully,


Gabriel Wade
Acting Director



333 Rio Rancho Blvd. NE, Suite 400

Rio Rancho, New Mexico 87124

505.867.6990

January 9, 2019

Mr. Jim Griswold, Bureau Chief
Environmental Bureau
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Email:
Hard-Copy upon request

**Reference: Permit Modification-Minor
Evaporation Pond Construction Plans
Sundance West, Inc.**

Dear Mr. Griswold:

Sundance West, Inc. (SWI) is proposing the attached minor permit modification to address a change in the design of the final four evaporation ponds (Ponds A-4 & 5 & B-4 & 5). This modification will provide for a physical separation of the final four ponds from the previously constructed six ponds that were completed in 2018. Gordon Environmental/PSC, on behalf of SWI, has developed revised construction plans to reflect the proposed modification to the pond development. In addition:

- This proposed modification does not involve changes to a treatment, remediation, or disposal method.
- The proposed modification will not affect the closure and post-closure plan.
- The proposed modification will not affect the contingency plan.
- The proposed modification will not affect the control of run-on or run-off water at the site.
- The proposed modification will not affect the best management practice plan.

We appreciate your review of this proposed minor permit modification. We look forward to your prompt review and approval of this requested modification. Please let us know if you have any questions about this information.

Sincerely,

GORDON ENVIRONMENTAL/PSC

A handwritten signature in black ink, appearing to read "Charles W. Fiedler P.E.".

Charles W. Fiedler, P.E., LEED, AP
Senior Associate

cc: Arif Mussani, Sundance West, Inc.
Hon. Andrew L. Wambsganss, Esq.
Jim Jordon, P.E.

Attachments:

- OCD Form 137-A Application for Minor Modification to a Surface Waste Management Facility
- Construction plans reflecting the proposed modification

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For State Use Only:

Form C-137A
June 30, 2016

Submit 1 Copy to Santa Fe Office

**APPLICATION FOR MINOR MODIFICATION TO SURFACE WASTE
MANAGEMENT FACILITY**

1. Operator: Sundance West, Inc.
Address: P.O. Box 1737, Eunice, NM088231
Contact Person: Charles W. Fiedler, P.E. Phone: 505-767-6990
2. Location: South /4 1/2 /4 Section 30 Township 21 South Range 38 East
3. Provide permit number NM 1-62
4. Attach a description of the proposed minor modification(s) to the surface waste management facility.
5. If the Minor Modification involves changes to a treatment, remediation, or disposal method, attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation, and disposal method and detailed designs of surface impoundments.
6. If the Minor Modification will affect the closure and post-closure plan, attach an updated closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, and the environment (the closure and post closure plan shall comply with the requirements contained in 19.15.36.18 NMAC).
7. If the Minor Modification will affect the contingency plan, attach an updated contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act).
8. If the Minor Modification will affect the control of run-on or run-off water at the site, attach an updated plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC.
9. If the Minor Modification will affect the best management practice plan, attach a best management practice plan to ensure protection of fresh water, public health, and the environment.
10. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, or the environment and that the surface waste management facility will comply with division rules and orders.

11. CERTIFICATION

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

Name: Sue Mussani

Title: President

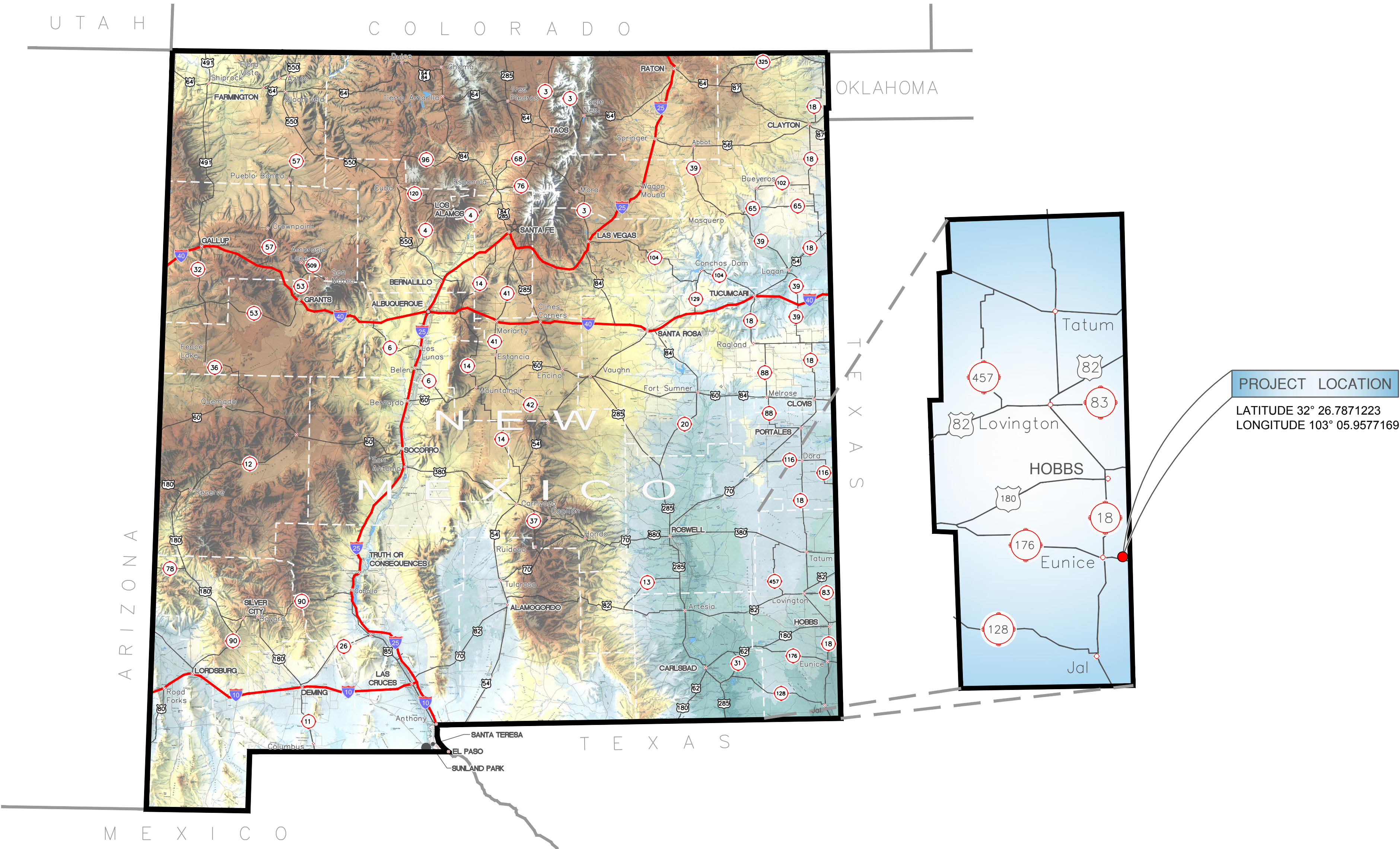
Signature: Sue A. Mussani

Date: January 8, 2019

E-mail Address: MussaniUK@hotmail.com

SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 3 MODIFICATION: EVAPORATION BASINS 4&5/A&B
FOR BASINS 3 A&B UN-DRAINED
CONSTRUCTION PLANS
LEA COUNTY, NEW MEXICO



GORDON

PSC

ENVIRONMENTAL

333 Rio Rancho Blvd., NE. Suite 400
Rio Rancho, New Mexico 87124
505.867.6990

SHEET INDEX	
GENERAL	
G-001	COVER SHEET AND INDEX
CIVIL	
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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 3 - MODIFICATION:
EVAPORATION BASINS 4&5/A&B
FOR BASINS 3 A&B UNDRAINED
CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

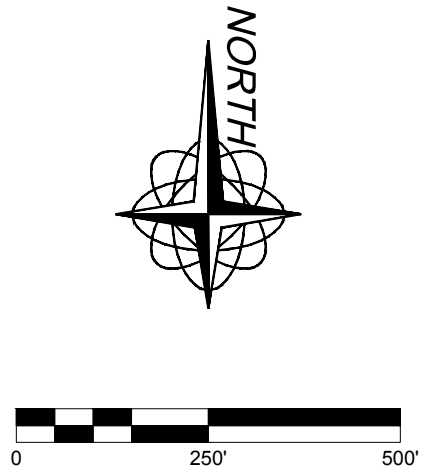
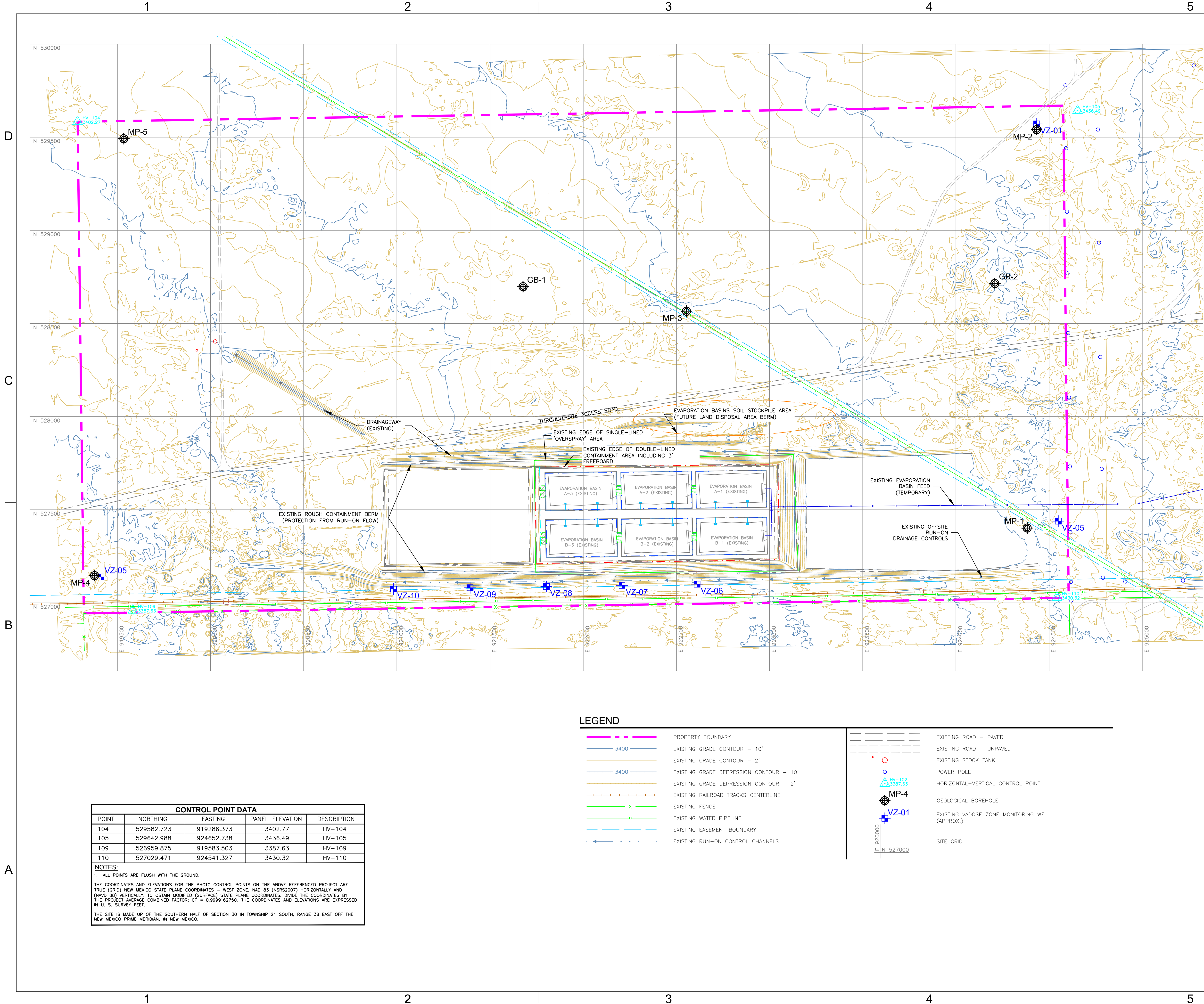
NO	DATE	DESCRIPTION	PROJECT NO.
2	01/07/2018	REGULATORY REVIEW	0111.17
1	09/27/2018	CONSTRUCTION	
-	08/24/2018	CLIENT REVIEW	
ISSUING OFFICE: RIO RANCHO			0111.17

COVER SHEET
AND INDEX

G-001

SET NUMBER

FILE NAME: X:\20170111.1702.DSGM02_DWG050_CIVIL05_ChngOdr-OpUpdateC-101+0111-17.dwg LAYOUT NAME: C-101 PRINTED: Monday, January 07, 2019 - 9:10am USER: andrien



Charles W. Fiedler, P.E.

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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 3 - MODIFICATION: EVAPORATION BASINS 4&5/A&B FOR BASINS 3 A&B UNDRAINED CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

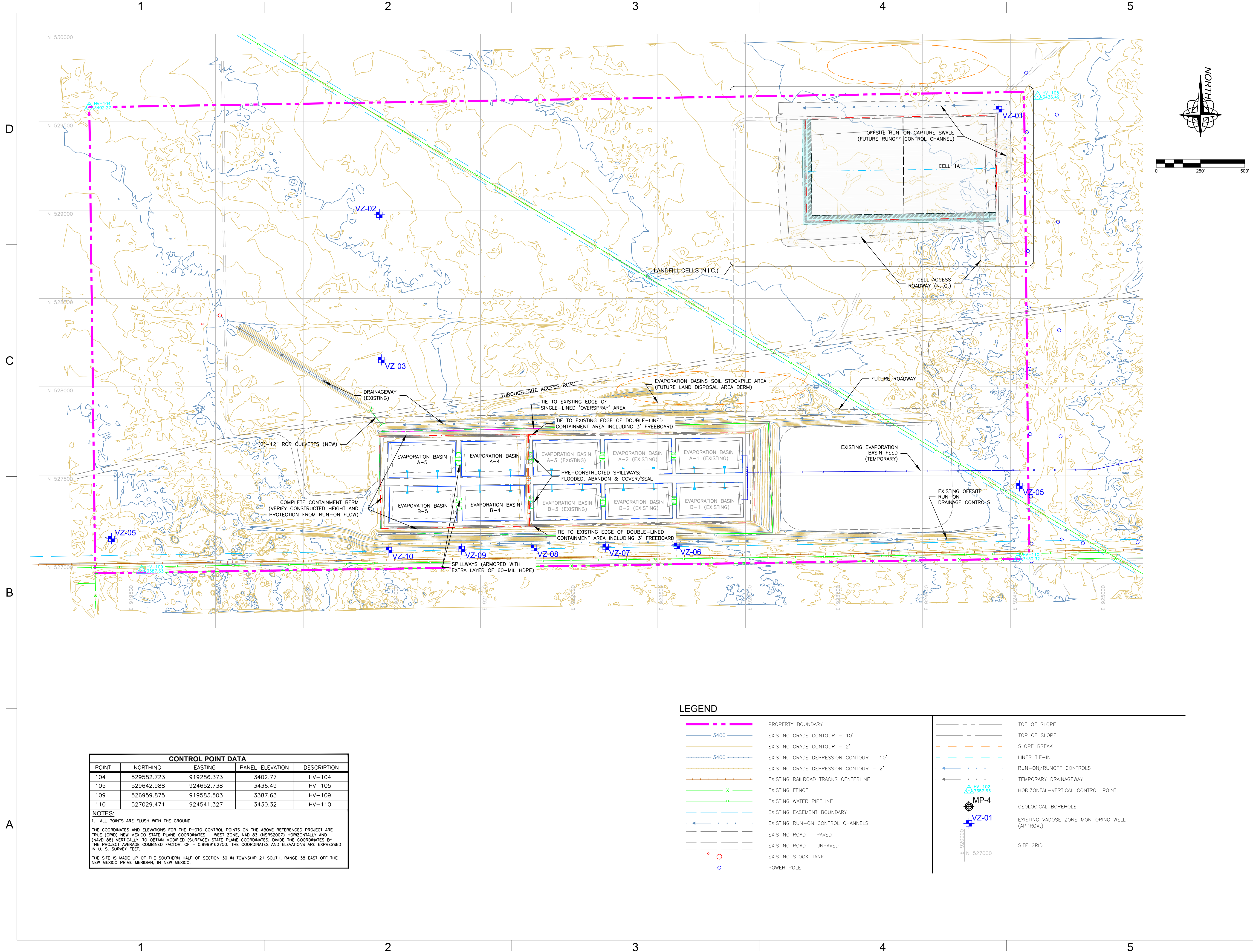
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2	01/07/2018	REGULATORY REVIEW
1	09/27/2018	CONSTRUCTION
-	08/24/2018	CLIENT REVIEW
NO	DATE	DESCRIPTION
ISSUING OFFICE: RIO RANCHO		PROJECT NO: 0111.17

SITE PLAN
EXISTING
CONDITIONS

C-101

FILE NAME: X:\2017\0111.17\02_DSGM02_DWG050_CIVIL05_ChngOrd-OpUpdateC-102-0111-17.dwg LAYOUT NAME: C-102 PRINTED: Monday, January 07, 2019 - 9:08am USER: amchrien



CONTROL POINT DATA				
POINT	NORTHING	EASTING	PANEL ELEVATION	DESCRIPTION
104	529582.723	919286.373	3402.77	HV-104
105	529642.988	924652.738	3436.49	HV-105
109	526959.875	919583.503	3387.63	HV-109
110	527029.471	924541.327	3430.32	HV-110

NOTES:

1. ALL POINTS ARE FLUSH WITH THE GROUND.

THE COORDINATES AND ELEVATIONS FOR THE PHOTO CONTROL POINTS ON THE ABOVE REFERENCED PROJECT ARE TRUE (GRID) NEW MEXICO STATE PLANE COORDINATES - WEST ZONE, NAD 83 (NRS2007) HORIZONTALLY AND (NAVD 88) VERTICALLY. TO OBTAIN MODIFIED (SURFACE) STATE PLANE COORDINATES, DIVIDE THE COORDINATES BY THE PROJECT AVERAGE COMBINED FACTOR: CF = 0.9999162750. THE COORDINATES AND ELEVATIONS ARE EXPRESSED IN U. S. SURVEY FEET.

THE SITE IS MADE UP OF THE SOUTHERN HALF OF SECTION 30 IN TOWNSHIP 21 SOUTH, RANGE 38 EAST OFF THE NEW MEXICO PRIME MERIDIAN, IN NEW MEXICO.

LEGEND	
	PROPERTY BOUNDARY
	EXISTING GRADE CONTOUR - 10'
	EXISTING GRADE CONTOUR - 2'
	EXISTING GRADE DEPRESSION CONTOUR - 10'
	EXISTING GRADE DEPRESSION CONTOUR - 2'
	EXISTING RAILROAD TRACKS CENTERLINE
	EXISTING FENCE
	EXISTING WATER PIPELINE
	EXISTING EASEMENT BOUNDARY
	EXISTING RUN-ON CONTROL CHANNELS
	EXISTING ROAD - PAVED
	EXISTING ROAD - UNPAVED
	EXISTING STOCK TANK
	POWER POLE
	TOE OF SLOPE
	TOP OF SLOPE
	SLOPE BREAK
	LINER TIE-IN
	RUN-ON/RUNOFF CONTROLS
	TEMPORARY DRAINAGEWAY
	HORIZONTAL-VERTICAL CONTROL POINT
	GEOLOGICAL BOREHOLE
	EXISTING VADOSE ZONE MONITORING WELL (APPROX.)
	SITE GRID

Charles W. Fiedler, P.E.

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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 3 - MODIFICATION: EVAPORATION BASINS 4&5/A&B FOR BASINS 3 A&B UNDRAINED CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

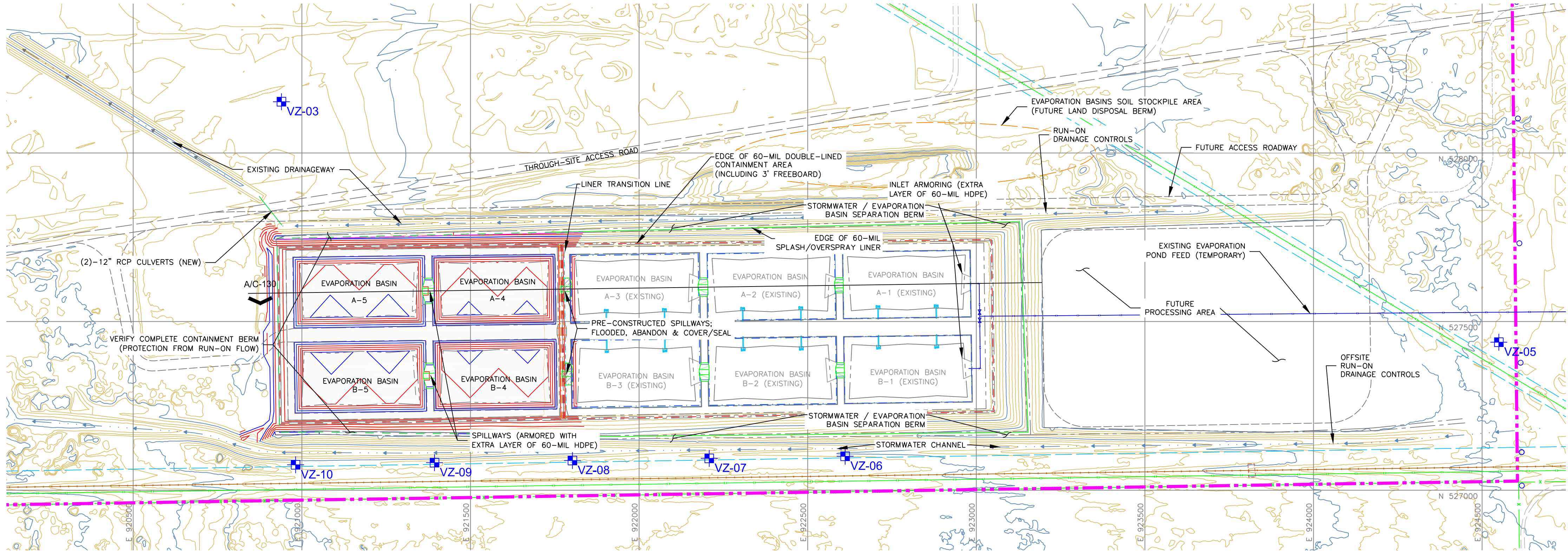
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1	09/27/2018	CONSTRUCTION
-	08/24/2018	CLIENT REVIEW
NO	DATE	DESCRIPTION

ISSUING OFFICE: RIO RANCHO PROJECT NO: 0111.17

SITE DEVELOPMENT PLAN

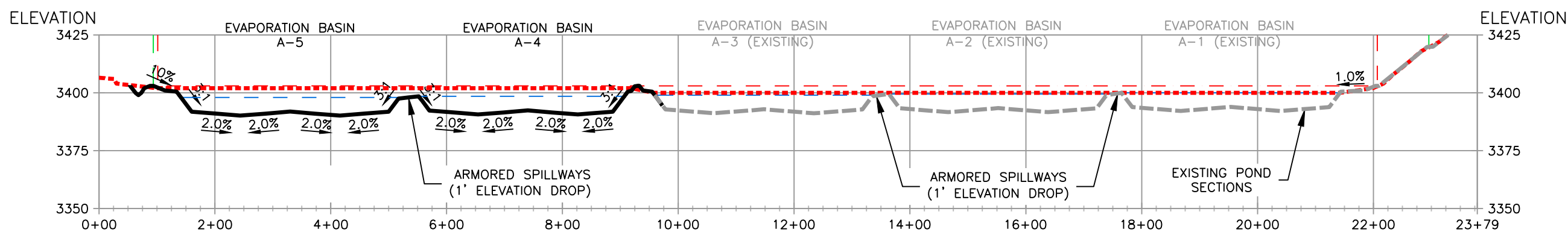
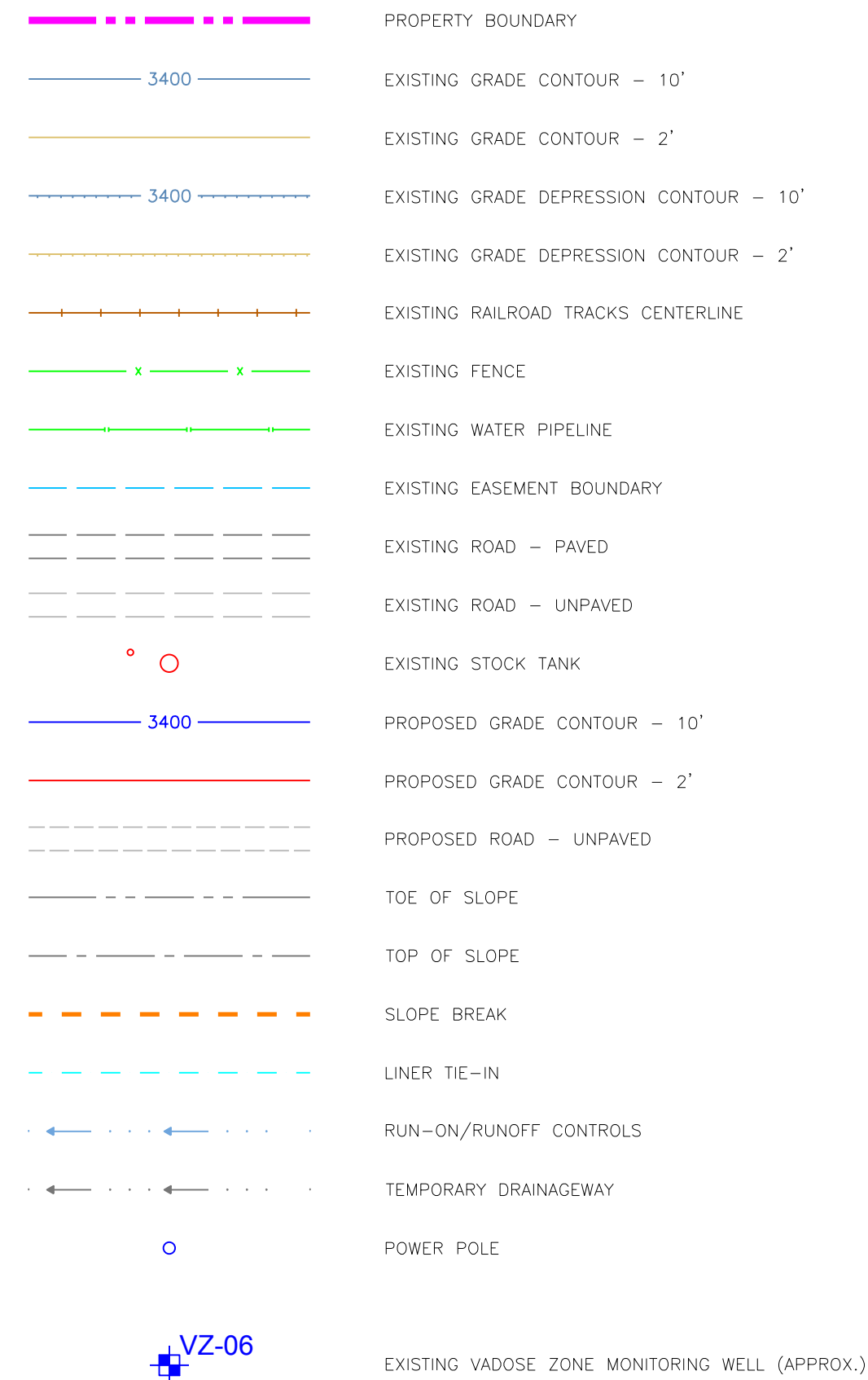
C-102

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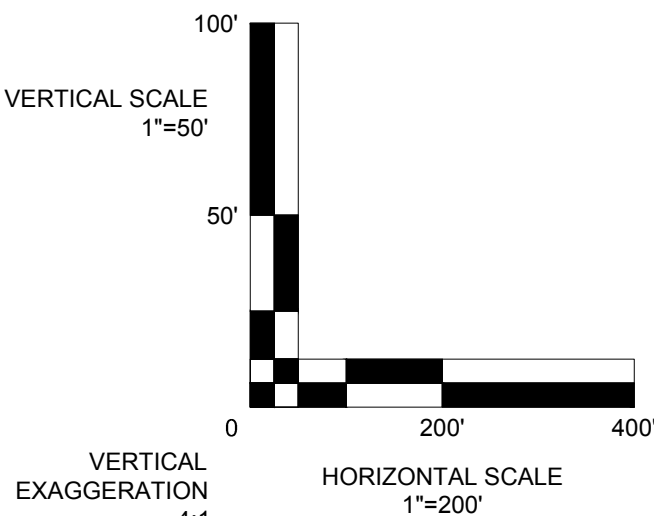
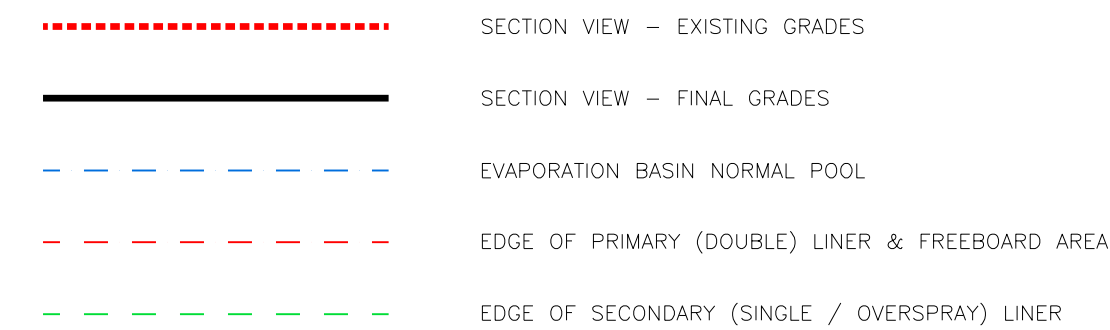
EVAPORATION BASIN AREA PLAN VIEW
INCLUDING SURROUNDING DRAINAGE

PLAN VIEW LEGEND



A BASIN CHAIN 'A' SECTION VIEW
1"=200' 4:1 VERTICAL EXAGGERATION

SECTION VIEW LEGEND



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 3 - MODIFICATION: EVAPORATION BASINS 4&5/A&B FOR BASINS 3 A&B UNDRAINED CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

NO	DATE	DESCRIPTION	PROJECT NO:
2	01/07/2018	REGULATORY REVIEW	0111.17
1	09/27/2018	CONSTRUCTION	
-	08/24/2018	CLIENT REVIEW	
NO	DATE	DESCRIPTION	

EVAPORATION BASINS AREA PLAN AND SECTION WITH DRAINAGE

C-130

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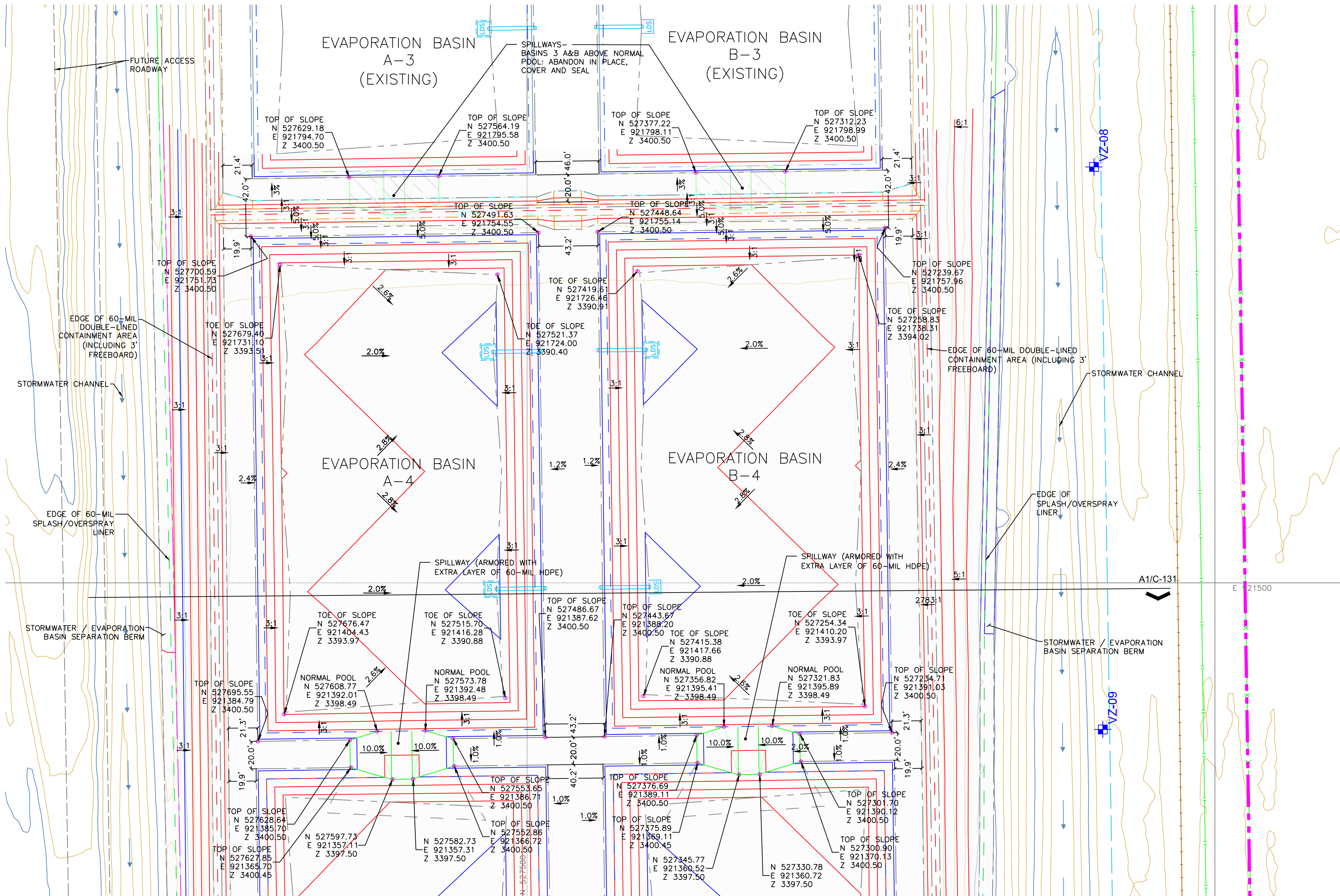
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C

B

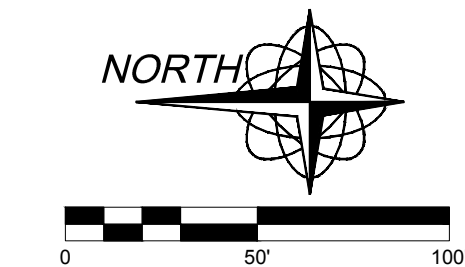
A

EVAPORATION BASINS A-4 AND B-4 PLAN VIEW

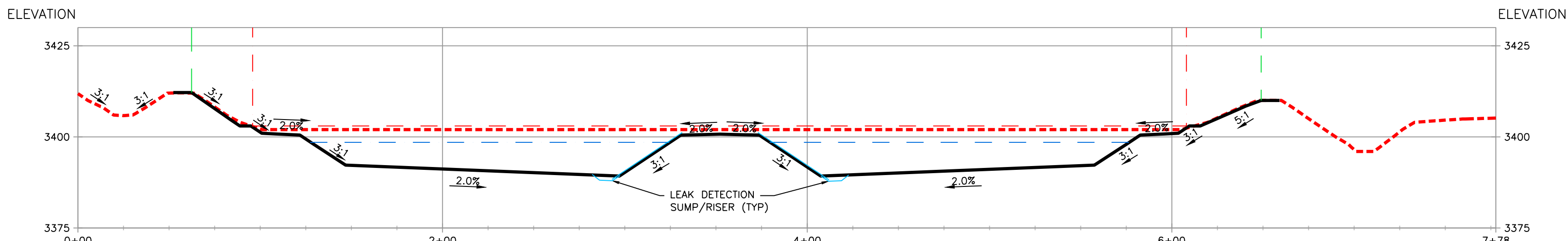


LEGEND

- PROPERTY BOUNDARY
- EXISTING GRADE CONTOUR - 10'
- EXISTING GRADE CONTOUR - 2'
- EXISTING GRADE DEPRESSION CONTOUR - 10'
- EXISTING GRADE DEPRESSION CONTOUR - 2'
- EXISTING RAILROAD TRACKS CENTERLINE
- EXISTING FENCE
- EXISTING WATER PIPELINE
- EXISTING EASEMENT BOUNDARY
- PROPOSED GRADE CONTOUR - 10'
- PROPOSED GRADE CONTOUR - 2'
- TOE OF SLOPE
- TOP OF SLOPE
- SLOPE BREAK
- LINER TIE-IN
- RUN-ON/RUNOFF CONTROLS
- EXISTING VADOSE ZONE MONITORING WELL (APPROX.)
- LEAK DETECTION SUMP AND RISER

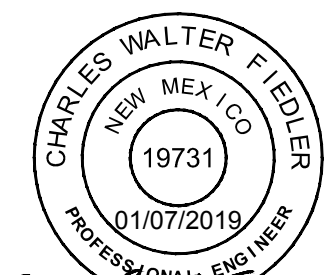
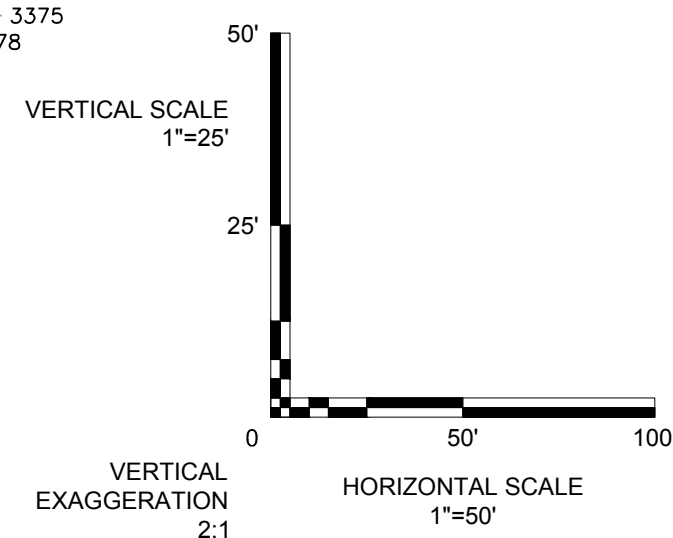


- SECTION VIEW - EXISTING GRADES
- SECTION VIEW - FINAL GRADES
- EVAPORATION BASIN NORMAL POOL ELEVATION
- EDGE OF PRIMARY (DOUBLE) LINER & FREEBOARD ELEVATION
- EDGE OF SECONDARY (SINGLE / OVERSPRAY) LINER



A1 EVAPORATION BASINS A-4 AND B-4

2:1 VERTICAL EXAGGERATION SECTION VIEW



Charles W. Fiedler, P.E.

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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

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LEA COUNTY, NEW MEXICO

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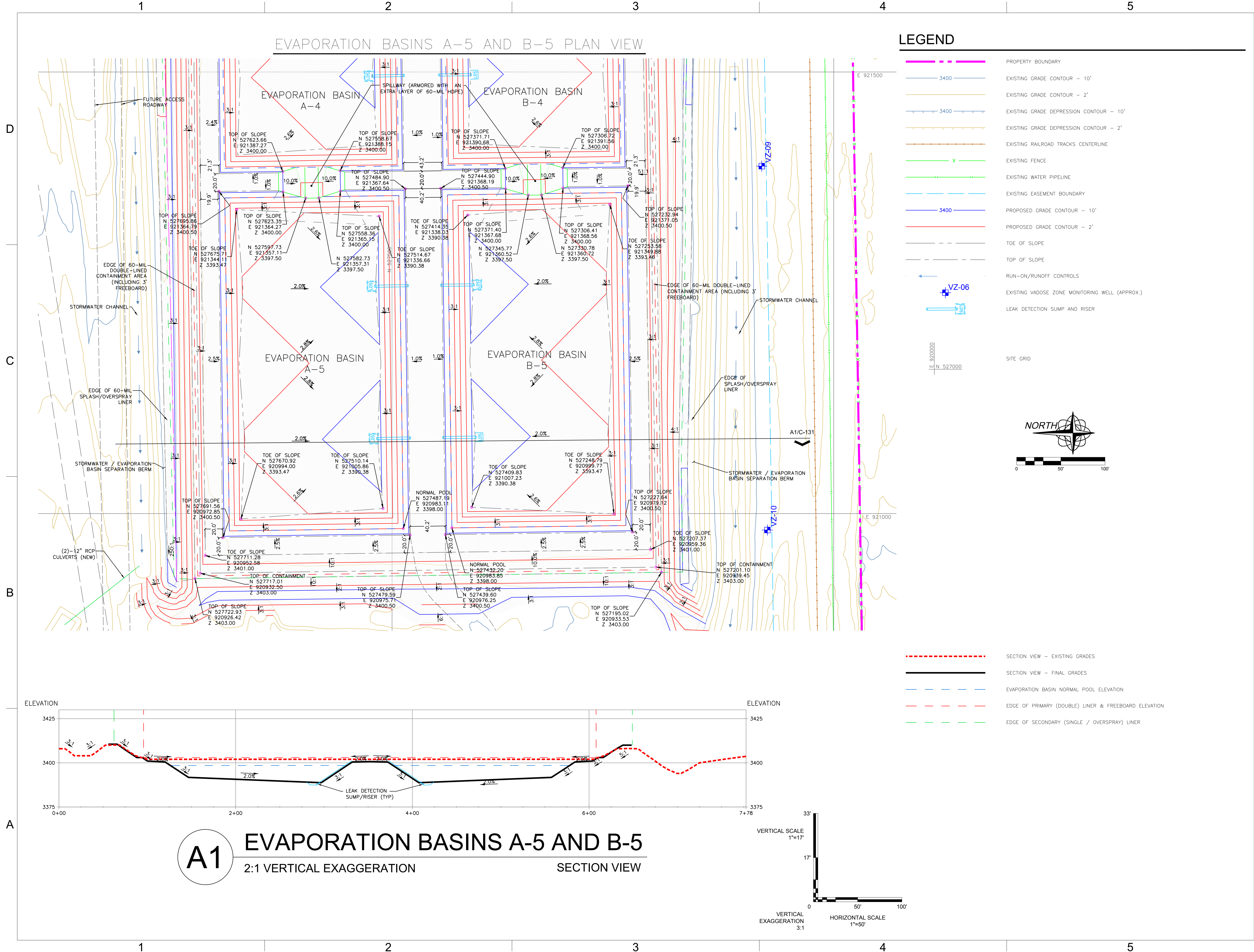
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-	08/24/2018	CLIENT REVIEW

ISSUING OFFICE: RIO RANCHO PROJECT NO: 0111.17

EVAPORATION BASINS A-4 AND B-4 PLAN & SECTION

C-131

FILE NAME: X:\2017\0111.1702_DSGN02_DWG050_CIVIL05_ChngOdr-OpsUpdateC-132-0111-17.dwg LAYOUT NAME: C-132 PRINTED: Monday, January 07, 2019 - 9:12am USER: amcbrien



GORDON PSC
ENVIRONMENTAL

CHARLES WALTER FIEDLER
NEW MEXICO
19731
01/07/2019
PROFESSIONAL ENGINEER

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GORDON ENVIRONMENTAL | PSC

**SUNDANCE WEST
SURFACE WASTE
MANAGEMENT
FACILITY**

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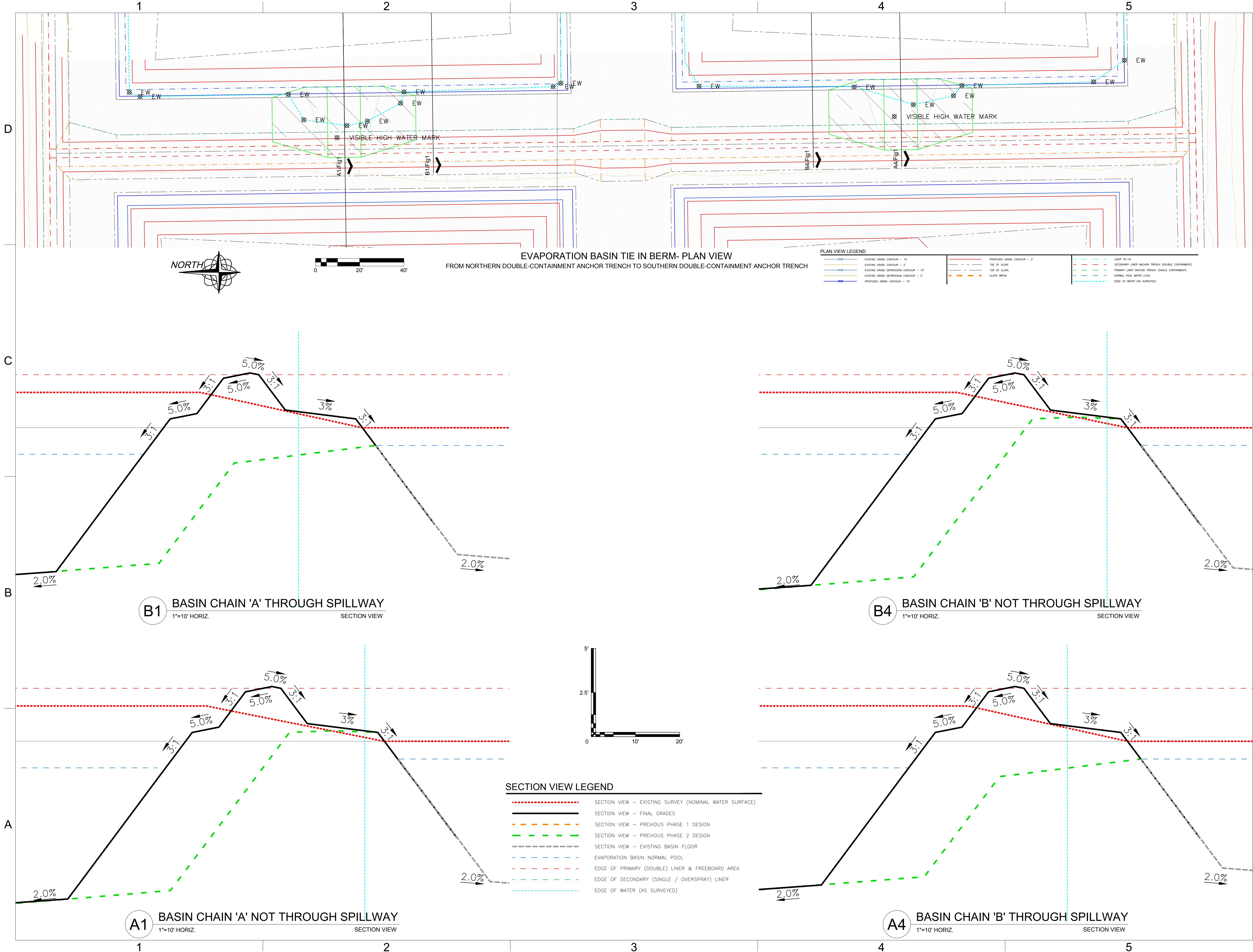
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**EVAPORATION BASINS
A-5 AND B-5
PLAN & SECTION**

C-132

FILE NAME: X:\2017\0111.17\02_DSGN02_DWG\050_CIVIL\05_ChnqOdr-OpsUpdateC-130-0111-17.dwg LAYOUT NAME: Fig1-Berm PRINTED: Monday, January 07, 2019 - 9:21am USER: amcbrien



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

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FOR BASINS 3 A&B UNDRAINED
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LEA COUNTY, NEW MEXICO

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ISSUING OFFICE: RIO RANCHO PROJECT NO: 0111.17

**EVAPORATION BASINS
TIE-IN, BERM TRANSITION
AND WHEELED ACCESS
RAMP & ANCHOR TRENCH**

Fig1-Berm