

NM1-62

**Construction
Plans**

**Basins Phase 1
Cell 1A**

7/25/17

August 2, 2017

Mr. Charles W Fiedler, P.E.
Gordon Environmental/PSC
213 S. Camino del Pueblo
Bernalillo, NM 87004

Reference: Confirmation of Compliance
Sundance West, Inc. Surface Waste Management Facility
Construction Plans for the Landfill and Evaporation Ponds

Dear Mr. Fiedler:

The OCD received Construction Plans in accordance with Permit Condition 6.A on August 1, 2017 from Sundance West, Inc. for the development of specific components (i.e. the landfill and evaporation ponds) of the Sundance West Surface Waste Management Facility, NM-1-62. This condition requires the Permittee to "At least 30 days prior to the start of construction of the landfill, evaporation ponds, stabilization and solidification area, or process area the operator shall furnish OCD with a complete set of construction drawings including a major milestone schedule for construction. These construction drawings must substantially comply with the engineering design provided with the application and show the location of pond discharge for the purposes of identifying the location of the sacrificial liner. The major milestone schedule shall be updated throughout construction activities."

The Department has completed their review of the submitted documents relative to the construction of the landfill and evaporation components referenced in the permit documents and find them to be in substantial compliance with the engineering design provided in the approved application. Specifically, the evaporation pond design shows the pond discharges, identifying the location of required sacrificial liners in compliance with the Rule. This submittal also included a major milestone schedule for the proposed construction in compliance with the Condition.

Sundance West requested the Division confirm that the submitted construction drawings conform to 19.15.36.17. B.11 and 12 which specifies three (3) foot of freeboard and a limitation of ten (10) acres feet size of ponds. The design provided in the construction drawing show a cascading pond system through a series of weirs in each pond. The liner system, that complies with the rule, is extended beyond each pond to the perimeter berm approximately twenty feet beyond and surrounds the pond system. This perimeter berm provides both over spray protection and satisfies the 3-foot freeboard requirement. In addition, each pond is designed with a maximum 10-acre foot capacity. In reading 19.15.36.17 NMAC the rule was written in anticipation of pump system being utilized to move water from one pond to another which this design eliminates (ie. weirs). The Division confirms that this design complies with the intent of the Rule. Sundance West will comply with 19.15.36.17.C(5) concerning traps at each weir.

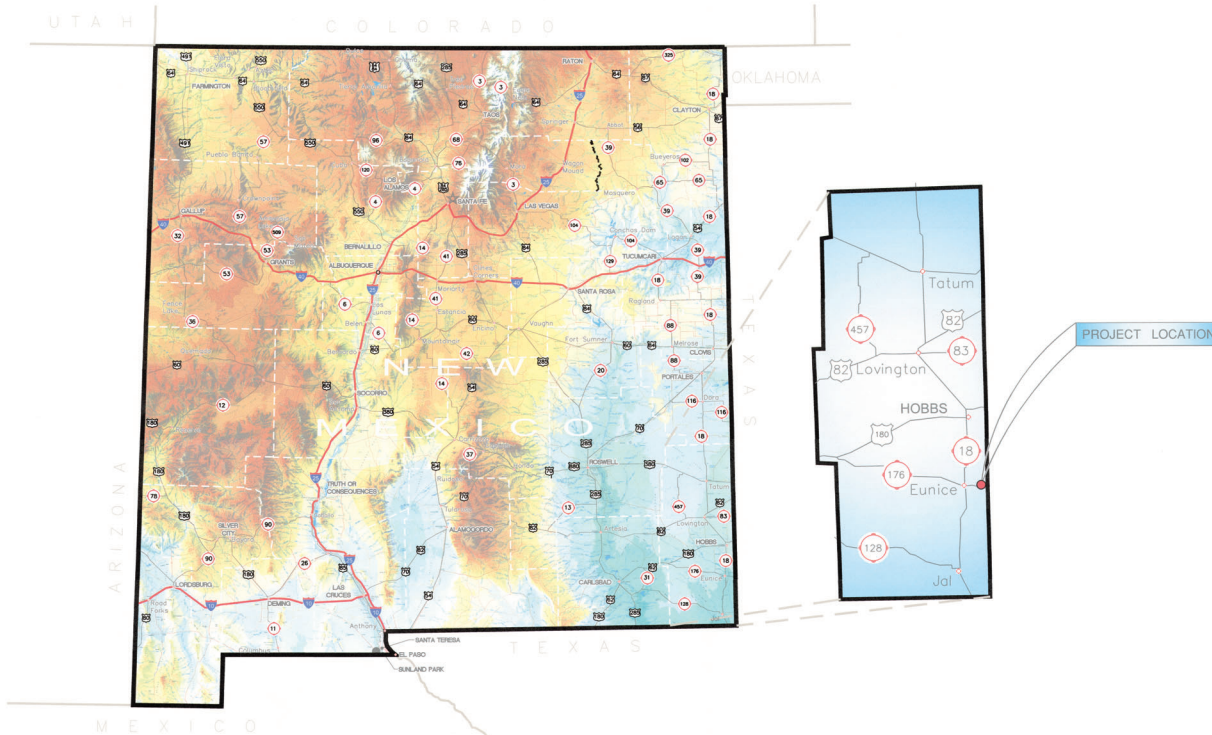
If you have any questions, please contact Jim Griswold, OCD Environmental Bureau Chief at (505) 476-3465 or by email at jim.griswold@state.nm.us. On behalf of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this review process.

Respectfully,

David Catanach,
Director

SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 & SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS LEA COUNTY, NEW MEXICO



GORDON PSC
ENVIRONMENTAL

213 S. Camino del Pueblo
Bernalillo, New Mexico 87004
505.867.6990

SHEET INDEX

GENERAL

G-001 COVER SHEET AND INDEX

CIVIL

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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

1	07/24/2017	FOR CONSTRUCTION
2	05/01/2017	O.C.D. REVIEW DOCUMENTS
NO.	DATE	DESCRIPTION
ISSUING OFFICE:	BERNALILLO	PROJECT NO.: 0111-07

COVER SHEET
AND INDEX

G-001

SET NUMBER



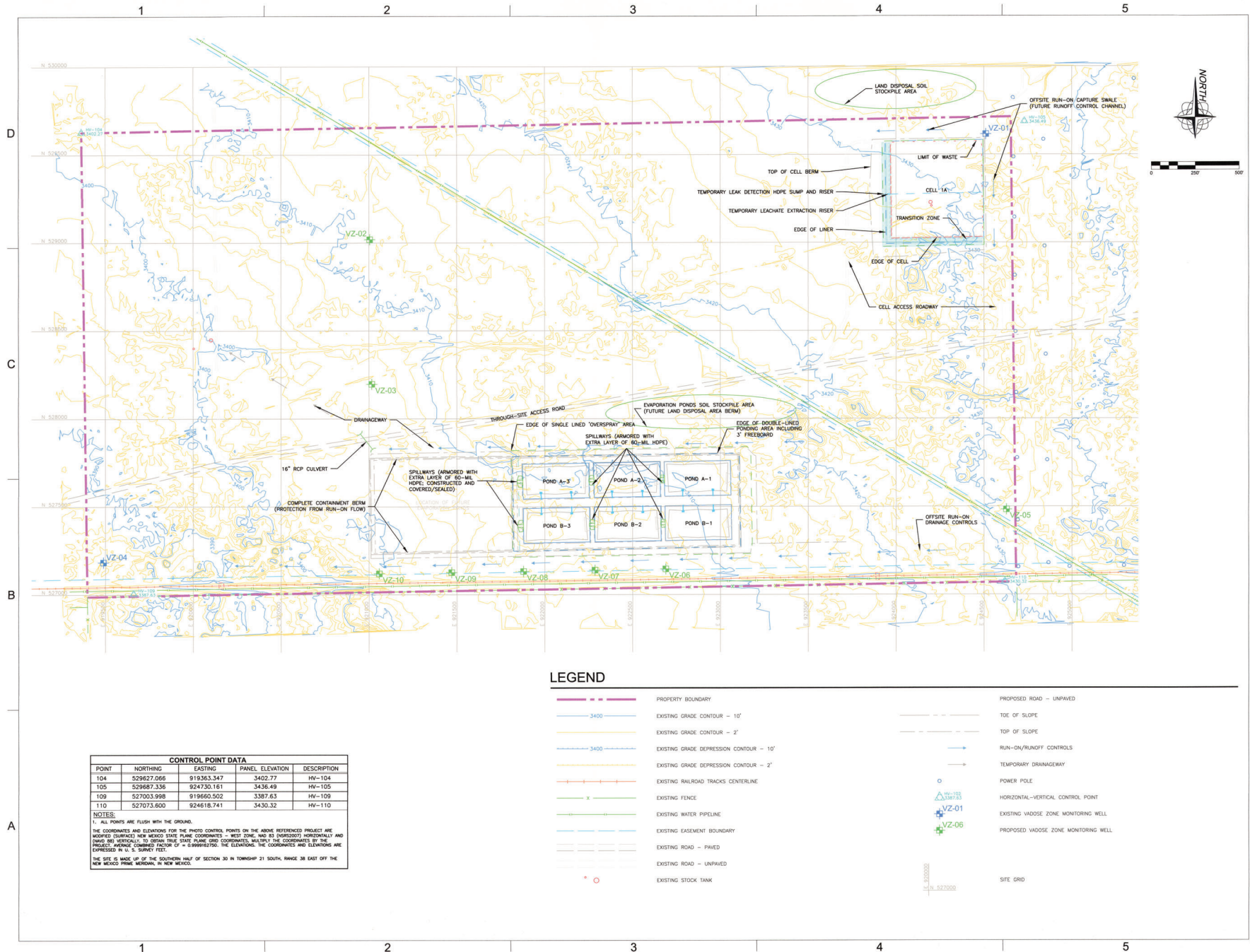
NOTES:

1. ALL POINTS ARE FLUSH WITH THE GROUND.

THE COORDINATES AND ELEVATIONS FOR THE PHOTO CONTROL POINTS ON THE ABOVE REFERENCED PROJECT ARE BASED ON THE MEXICO STATE PLANE COORDINATES - WEST ZONE, AND 85 (NAD83) HORIZONTALLY AND (NAD83 BB) VERTICALLY. TO OBTAIN TRUE STATE PLANE GRID COORDINATES, MULTIPLY THE COORDINATES BY THE ELEVATION COMBINED FACTOR OF 0.9999816750. THE ELEVATIONS, THE COORDINATES AND ELEVATIONS ARE IN FEET.

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

FILE NAME: V:\X_dwg\20170111.1702_DSGN02_DWG050_CIVIL-C-102-011-17.dwg LAYOUT NAME: C-102 PRINTED: Monday, July 24, 2017 9:05am USER: amebien



SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

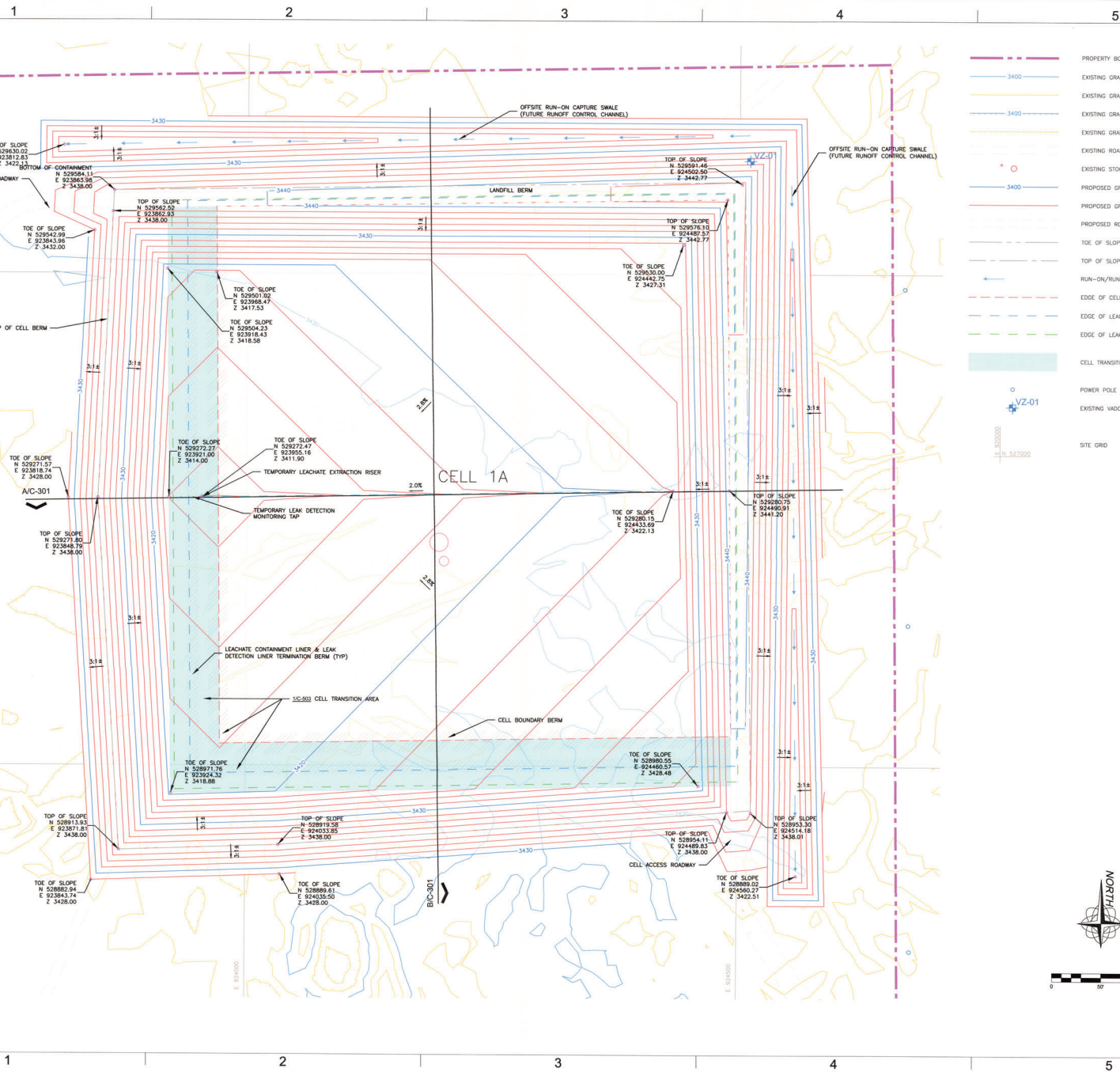
LEA COUNTY, NEW MEXICO

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1	07/24/2017	FOR CONSTRUCTION
2	05/01/2017	O.C.D. REVIEW DOCUMENTS
NO	DATE	DESCRIPTION
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**SITE DEVELOPMENT
PLAN**

C-102



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

**EVAPORATION BASINS PHASE
1 (BASINS 1-6) AND SURFACE
SOLID WASTE DISPOSAL CELL
1A CONSTRUCTION PLANS**

LEA COUNTY, NEW MEXICO

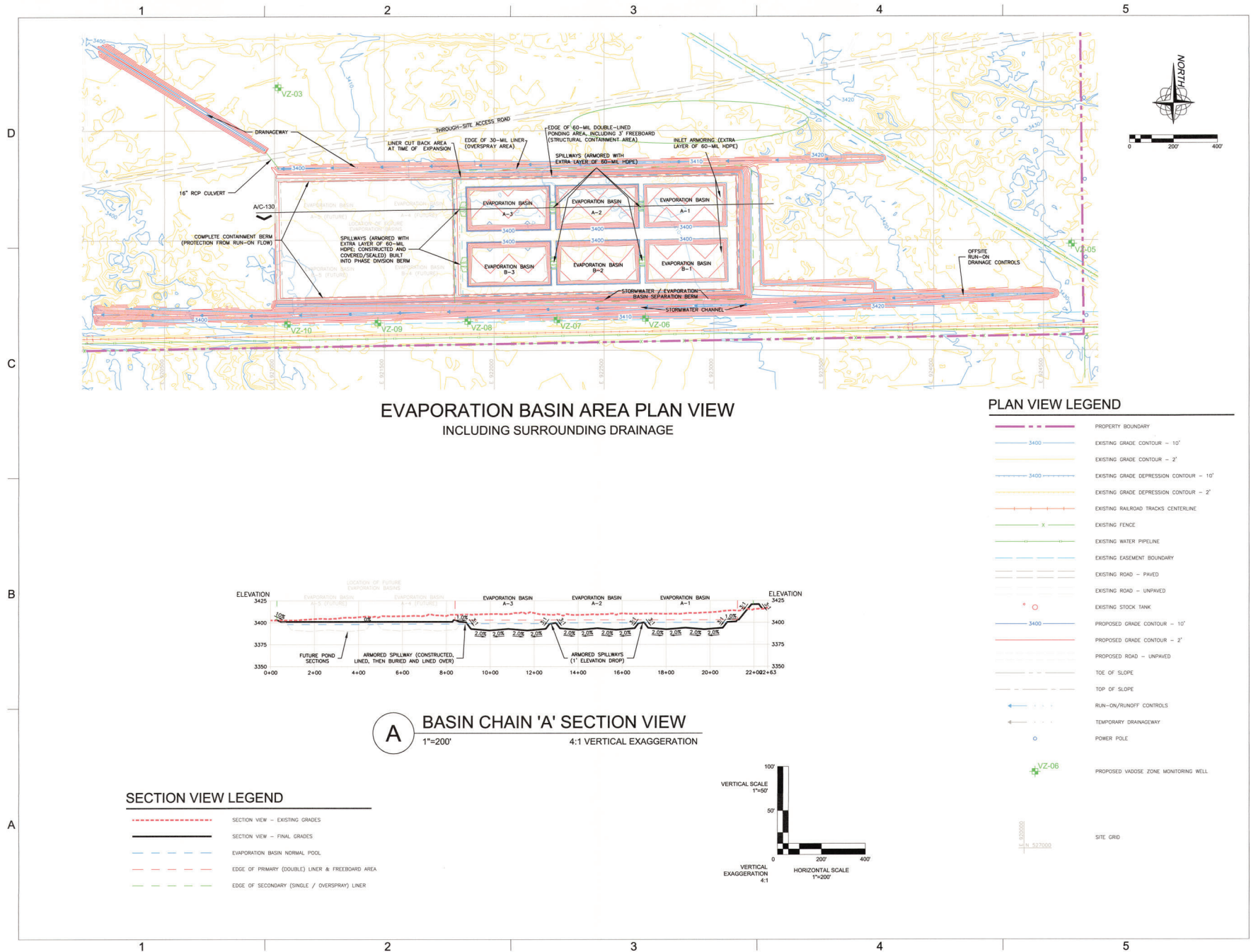
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-	05/01/2017	O.C.D. REVIEW DOCUMENTS
NO	DATE	DESCRIPTION
ISSUING OFFICE: BERNALILLO		PROJECT NO: 0111.17

**LAND DISPOSAL
CELL 1A
BASE GRADING
PLAN**

C-103

FILE NAME: V:\X_dwg\20170111_1702_DSGN02_DWG0050_CIVILC-130-0111-17.dwg LAYOUT NAME: C-130 PRINTED: Monday, July 24, 2017 9:01am USER: amdbrien



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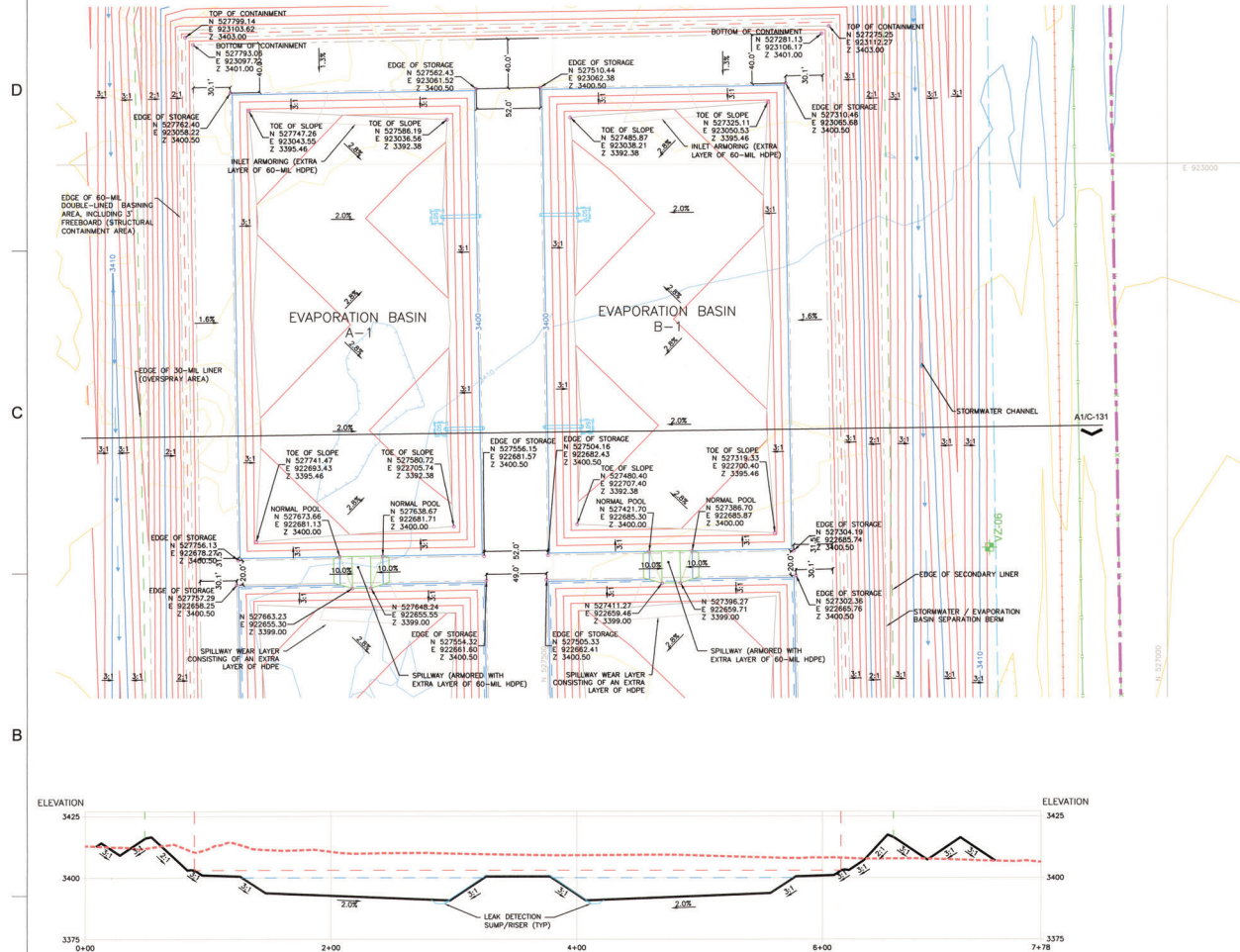
SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

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EVAPORATION BASINS A-1 AND B-1 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
	EXISTING STOCK TANK
	PROPOSED GRADE CONTOUR - 10'
	PROPOSED GRADE CONTOUR - 2'
	TOE OF SLOPE
	TOP OF SLOPE
	RUN-ON/RUNOFF CONTROLS
	POWER POLE
	PROPOSED VADOSE ZONE MONITORING WELL
	LEAK DETECTION SLUMP AND RISER
	SITE GRID



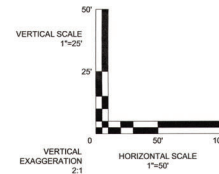
	SECTION VIEW - EXISTING GRADES
	SECTION VIEW - FINAL GRADES
	EVAPORATION BASIN NORMAL POOL ELEVATION
	EDGE OF PRIMARY (DOUBLE) LINER & FREEBOARD ELEVATION
	EDGE OF SECONDARY (SINGLE / OVERSPRAY) LINER

A1

EVAPORATION BASINS A-1 AND B-1

2:1 VERTICAL EXAGGERATION

SECTION VIEW



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

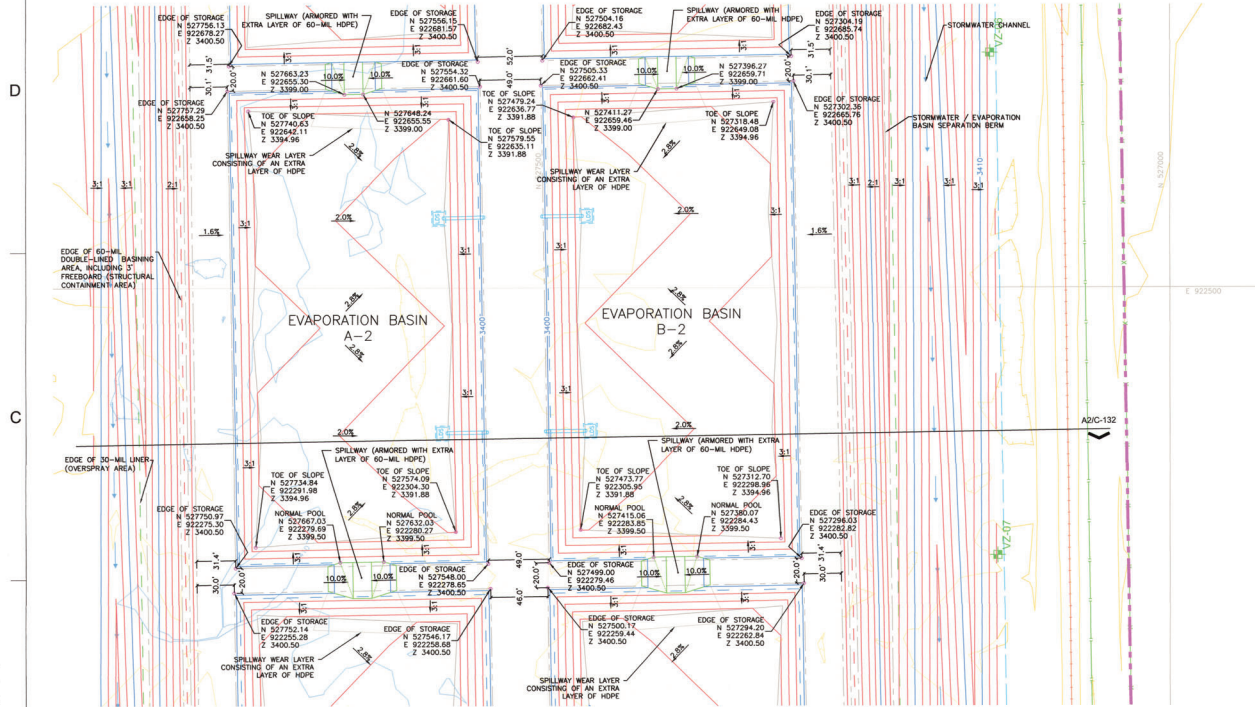
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2	05/01/2017	O.C.D. REVIEW DOCUMENTS
NO	DATE	DESCRIPTION
ISSUING OFFICE:	BERNALILLO	PROJECT NO.: 0111.17

EVAPORATION BASINS A-1 AND B-1 PLAN & SECTION C-131

FILE NAME: V:\X_6m\20170111.1702_DS602_DWG050_CVILC-132-01117.dwg LAYOUT NAME: C-132 PRINTED: Monday, July 24, 2017 - 8:57am USER: andchen

EVAPORATION BASINS A-2 AND B-2 PLAN VIEW

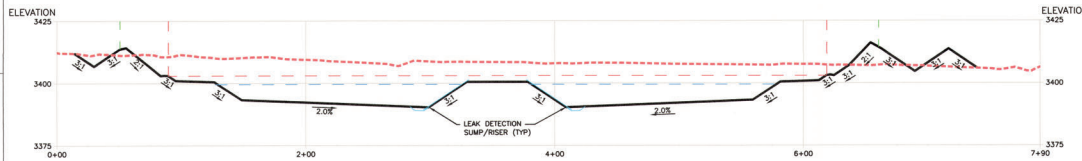


LEGEND

- 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
- EXISTING STOCK TANK
- PROPOSED GRADE CONTOUR - 10'
- PROPOSED GRADE CONTOUR - 2'
- TOE OF SLOPE
- TOP OF SLOPE
- RUN-ON/RUNOFF CONTROLS
- POWER POLE
- PROPOSED VADOSE ZONE MONITORING WELL
- LEAK DETECTION SUMP AND RISER
- SITE GRID



- 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

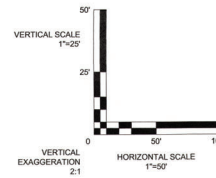


A2

EVAPORATION BASINS A-2 AND B-2

2:1 VERTICAL EXAGGERATION

SECTION VIEW



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

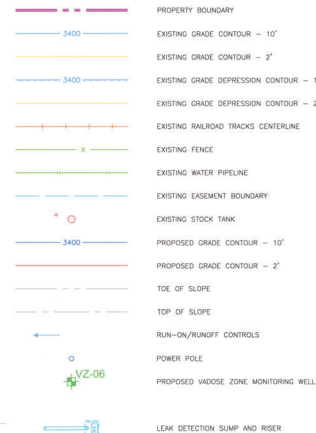
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1	07/24/2017	FOR CONSTRUCTION
2	05/01/2017	O.C.D. REVIEW DOCUMENTS
NO.	DATE	DESCRIPTION
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EVAPORATION BASINS A-2 AND B-2 PLAN & SECTION

C-132

LEGEND



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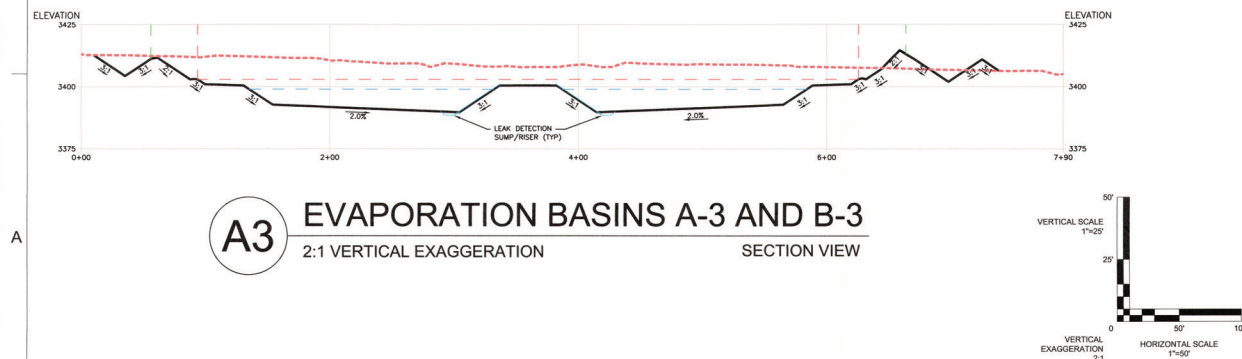
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**EVAPORATION BASINS PHASE
1 (BASINS 1-6) AND SURFACE
SOLID WASTE DISPOSAL CELL
1A CONSTRUCTION PLANS**

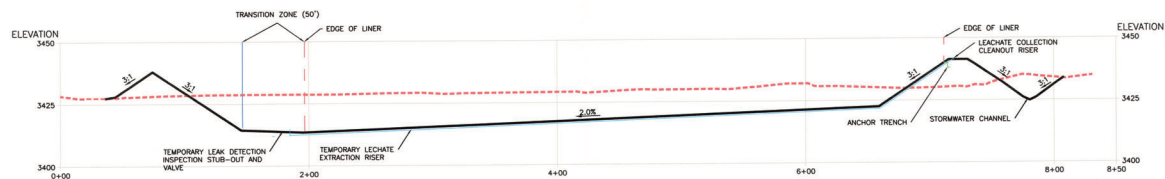
LEA COUNTY, NEW MEXICO

KEY PLAN

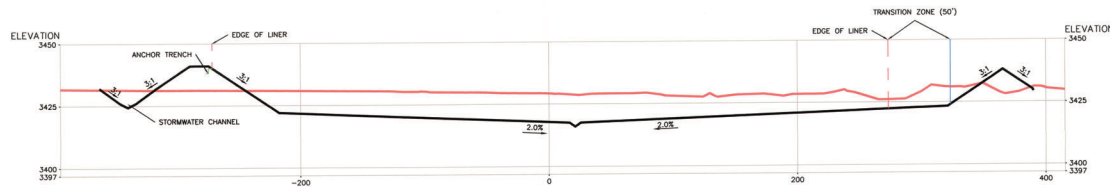


**EVAPORATION BASINS
A-3 AND B-3
PLAN & SECTION
C-133**

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A LAND DISPOSAL AREA EAST-WEST SECTION
2:1 VERTICAL EXAGGERATION EAST-WEST SECTION VIEW

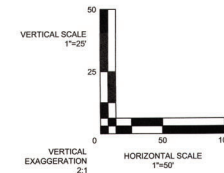


B LAND DISPOSAL AREA NORTH-SOUTH SECTION
2:1 VERTICAL EXAGGERATION EAST-WEST SECTION VIEW

SEE SHEET C-103 FOR SECTION LOCATIONS

LEGEND

- EXISTING GRADES
- FINAL GRADES
- EDGE OF LINED AREA



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE
1 (BASINS 1-6) AND SURFACE
SOLID WASTE DISPOSAL CELL
1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

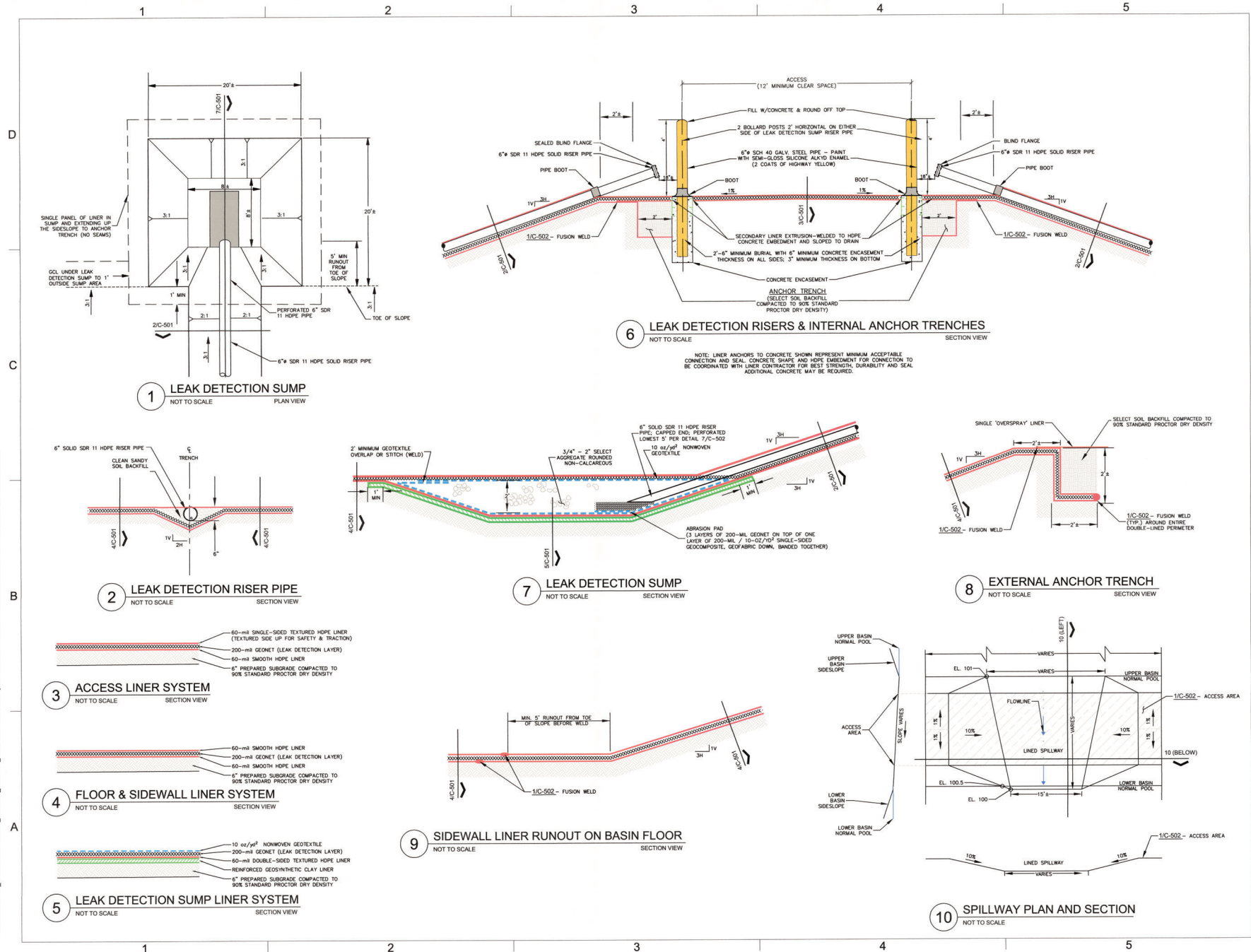
KEY PLAN

NO.	DATE	DESCRIPTION
1	07/24/2017	FOR CONSTRUCTION
2	05/01/2017	O.C.D. REVIEW DOCUMENTS

ISSUING OFFICE: BERNALILLO PROJECT NO.: 0111.17
**LAND DISPOSAL
CELL 1A
SECTIONS**

C-301

FILE NAME: \\X:_dms\20170111-1732_DSGN02_DWG0060_C-501_PRINTED Monday, July 24, 2017 - 8:50am USER: ambrin



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

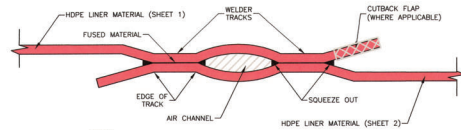
LEA COUNTY, NEW MEXICO

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1 07/24/2017 FOR CONSTRUCTION
2 05/01/2017 O.C.D. REVIEW COMMENTS
NO DATE DESCRIPTION
ISSUING OFFICE: BERNALILLO PROJECT NO: 0111.17

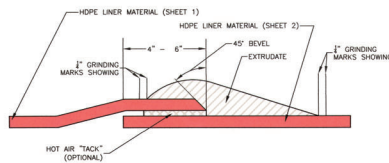
EVAPORATION BASINS DETAILS

C-501



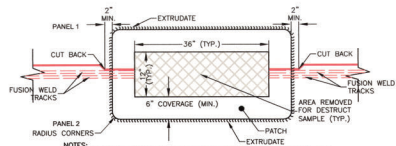
- NOTES:
1. BOTH AREAS OF FUSED MATERIAL SHOULD BE VOID OF ANY SEAM LINES
 2. EDGE OF TRACKS NOT TO CUT THE LINER
 3. AIR CHANNEL SHOULD BE CLEAR
 4. BOTH WELDER TRACKS SHALL BE EQUAL WIDTHS
 5. SQUEEZE OUT SHOULD BE JUST BARELY VISIBLE IN ALL FOUR (4)
 6. LOCATIONS WHEN VIEWED IN THE TEST CROSS-SECTION
 7. ALL DOUBLE TRACK FUSION WELDS SHALL BE AIR PRESSURE TESTED

1 TYPICAL DOUBLE TRACK FUSION WELD
NOT TO SCALE SECTION VIEW



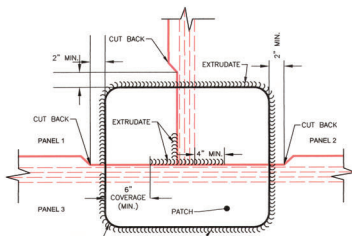
- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED

2 TYPICAL EXTRUSION WELD
NOT TO SCALE SECTION VIEW



- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED
 2. ALL DOUBLE TRACK FUSION WELDS SHALL BE AIR PRESSURE TESTED
 3. PANELS SHALL BE OVERLAPPED IN NUMERICAL ORDER - HIGHEST ON TOP

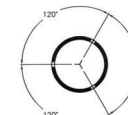
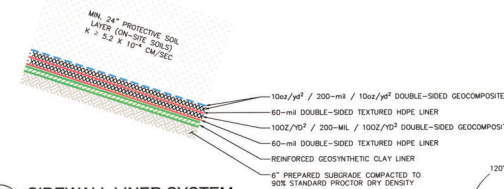
3 TYPICAL HDPE LINER SEAM PATCH
NOT TO SCALE SECTION VIEW



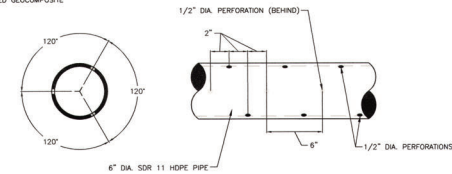
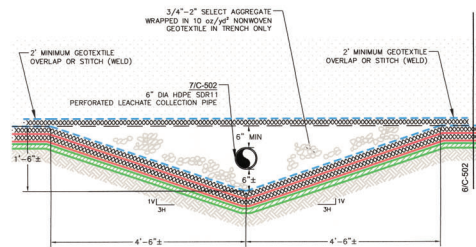
- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED
 2. ALL DOUBLE TRACK FUSION WELDS SHALL BE AIR PRESSURE TESTED
 3. PANELS SHALL BE OVERLAPPED IN NUMERICAL ORDER - HIGHEST ON TOP

4 TYPICAL "T" AT BUTT SEAM
NOT TO SCALE SECTION VIEW

5 SIDEWALL LINER SYSTEM
NOT TO SCALE SECTION VIEW

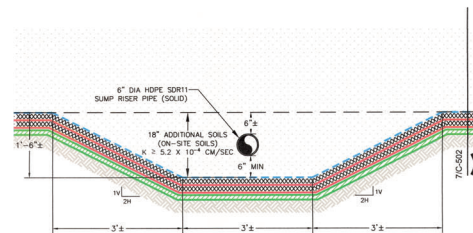


6 FLOOR LINER SYSTEM
NOT TO SCALE SECTION VIEW

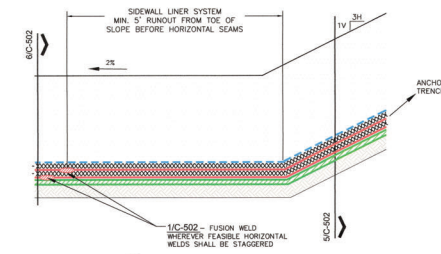


7 PERFORATED LEACHATE COLLECTION PIPE
NOT TO SCALE SECTION VIEW

8 LEACHATE COLLECTION TRENCH AND PIPE
NOT TO SCALE SECTION VIEW



9 LEACHATE COLLECTION PIPE CLEANOUT RISER AND TRENCH
NOT TO SCALE SECTION VIEW



10 LINER RUN-OUT ON LANDFILL FLOOR
NOT TO SCALE SECTION VIEW

SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

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LAND
DISPOSAL
DETAILS I

C-502

FILE NAME: V:_dms20170111.1702_CDS0202_DWG0000_CIVIL-C-503-011-17.dwg LAYOUT NAME: C-503 PRINTED: Monday, July 24, 2017 - 8:48am USER: andrian

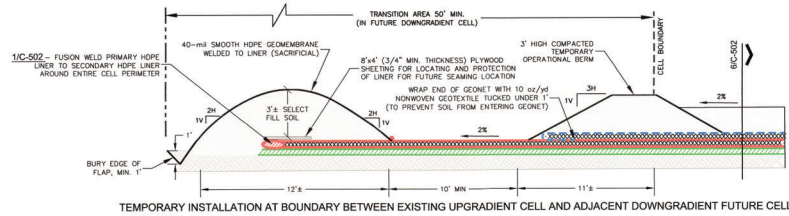
1

2

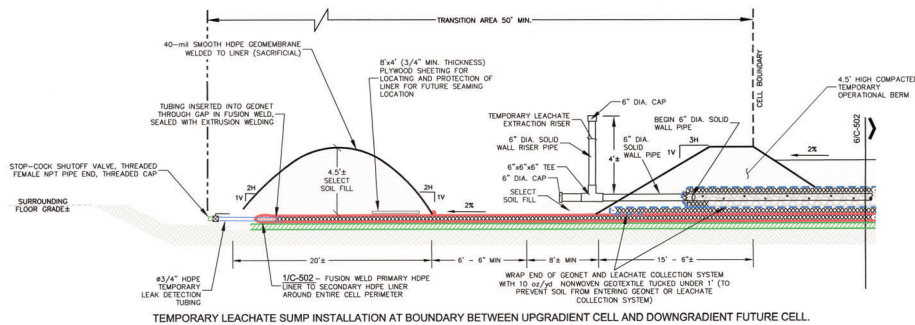
3

4

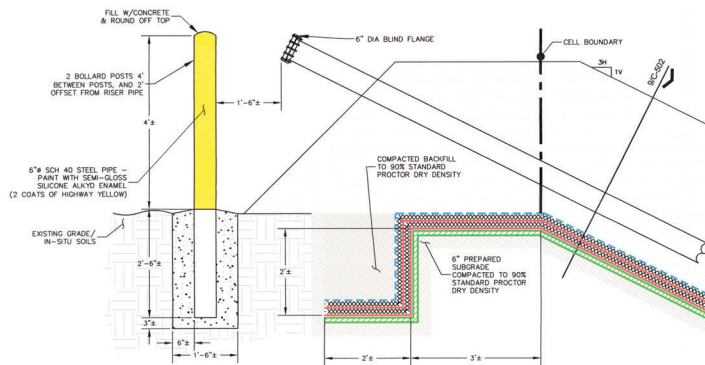
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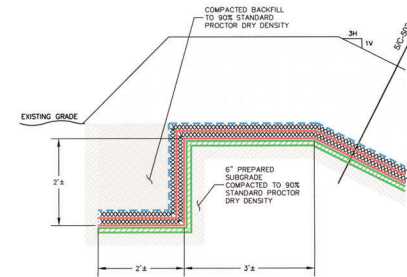
1 TYPICAL CELL TRANSITION AREA
NOT TO SCALE SECTION VIEW



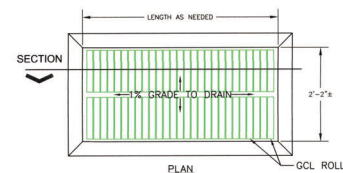
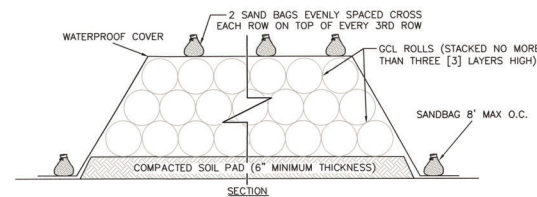
2 TEMPORARY SUMP DETAIL
NOT TO SCALE SECTION VIEW



3 CLEANOUT RISER TERMINATION
NOT TO SCALE SECTION VIEW



4 PERMANENT ANCHOR TRENCH
NOT TO SCALE SECTION VIEW



5 GCL STORAGE PAD
NOT TO SCALE PLAN & SECTION VIEWS

SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

EVAPORATION BASINS PHASE 1 (BASINS 1-6) AND SURFACE SOLID WASTE DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO




































































































































KEY PLAN

1	07/24/2017	FOR CONSTRUCTION
2	05/01/2017	G.C.D. REVIEW DOCUMENTS
NO	DATE	DESCRIPTION
ISSUING OFFICE:	BERNALILLO	PROJECT NO: 0111.17

LAND
DISPOSAL
DETAILS II

C-503

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	9	May 28	Jul 16	Sep 3	Oct 22	Dec 10	Jan 28	Mar 18	May 6	Jun 24	Aug 1
0			Sundance West Phase 1 Design/Build	224 days	Mon 7/24/17	Thu 5/31/18													
1			Design/Build Agreement	39 days	Mon 7/24/17	Thu 9/14/17													
2			Standard General Conditions EJCDC D-700	10 days	Mon 7/24/17	Fri 8/4/17		PSC Services,Sundance West											
3			Supplementary Conditions	5 days	Mon 8/7/17	Fri 8/11/17	2	PSC Services,Sundance West											
4			Contractor Qualifications / D&B	1 day	Mon 8/7/17	Mon 8/7/17	2	PSC Services											
5			Finalize Agreement Documents	20 days	Fri 8/4/17	Thu 8/31/17													
6			Negotiate agreement	15 days	Fri 8/4/17	Thu 8/24/17		PSC Services,Sundance West											
7			Establish scope	5 days	Fri 8/4/17	Thu 8/10/17		PSC Services,Sundance West											
8			Refine schedule	1 wk	Fri 8/11/17	Thu 8/17/17	7	PSC Services,Sundance West											
9			Negotiate Price/Fee	1 wk	Fri 8/18/17	Thu 8/24/17	8	PSC Services,Sundance West											
10			Obtain signatures	1 wk	Fri 8/25/17	Thu 8/31/17	6	PSC Services,Sundance West											
11			Deliverables	15 days	Fri 8/25/17	Thu 9/14/17	6												
12			Performance and Payment bonds	1 wk	Fri 8/25/17	Thu 8/31/17		PSC Services											
13			Certificate of Insurance	15 days	Fri 8/25/17	Thu 9/14/17		PSC Services											
14			Project Management	25 days	Fri 9/15/17	Thu 10/19/17	1												
15			Receive notice to proceed	2 wks	Fri 9/15/17	Thu 9/28/17		PSC Services											
16			Prepare and submit initial construction schedule	2 wks	Fri 9/29/17	Thu 10/12/17	15	PSC Services											
17			Prepare and submit schedule of values	1 wk	Fri 10/13/17	Thu 10/19/17	16	PSC Services											
18			Submit monthly requests for payment	1 mon	Fri 9/15/17	Thu 10/12/17													
19			Construction Contracts	10 days	Fri 9/1/17	Thu 9/14/17													
20			Enviroworks, LLC	2 wks	Fri 9/1/17	Thu 9/14/17	10	PSC Services,Earthwork Contractor											
21			Southwest Liner Systems, Inc.	2 wks	Fri 9/1/17	Thu 9/14/17	10	PSC Services,Liner Contractor											
22			Long Lead Procurement	60 days	Fri 9/1/17	Thu 11/23/17													
23			Evaporator System(s)	60 days	Fri 9/1/17	Thu 11/23/17													
24			Finalize design criteria	2 wks	Fri 9/1/17	Thu 9/14/17	10	Gordon/PSC											
25			Request vendor proposals	1 wk	Fri 9/15/17	Thu 9/21/17	24	Gordon/PSC											
26			Evaluate proposals	1 wk	Fri 9/22/17	Thu 9/28/17	25	Gordon/PSC,Sundance West											
27			Order evaporator system	1 wk	Fri 9/29/17	Thu 10/5/17	26	PSC Services											
28			Submit shop drawings and installation details	2 wks	Fri 10/6/17	Thu 10/19/17	27	Vendor											
29			Evaporator fabrication	4 wks	Fri 10/20/17	Thu 11/16/17	28	Vendor											
30			Ship and delivery	1 wk	Fri 11/17/17	Thu 11/23/17	29	Vendor											
31			Mobilize on Site	15 days	Fri 9/29/17	Thu 10/19/17	15												
Project: Sundance West Phase 1 Date: Wed 8/2/17			Task	Project Summary	Manual Task	Start-only	Deadline												
			Split	Inactive Task	Duration-only	Finish-only	Progress												
			Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress												
			Summary	Inactive Summary	Manual Summary	External Milestone													
Page 1																			

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	9	May 28	Jul 16	Sep 3	Oct 22	Dec 10	Jan 28	Mar 18	May 6	Jun 24	Aug 1
32			Install office trailer	2 wks	Fri 9/29/17	Thu 10/12/17		PSC Services,Rental Company											
33			Install temporary power	1 wk	Fri 10/13/17	Thu 10/19/17	32	Electric Contractor,PSC Services											
34			Arrange for waste services	1 wk	Fri 9/29/17	Thu 10/5/17													
35			Set line and grade benchmarks	2 wks	Fri 9/29/17	Thu 10/12/17		PSC Services,Surveyor											
36			Evaporation Ponds Development	115 days	Fri 10/20/17	Thu 3/29/18	20,31	Enviroworks											
37			Clear and grub site	2 wks	Fri 10/20/17	Thu 11/2/17		Enviroworks											
38			Rough grade site (cut and fill)	6 wks	Fri 11/3/17	Thu 12/14/17	37	Enviroworks											
39			Construct subgrade and fine grade ponds	8 wks	Fri 12/15/17	Thu 2/8/18	38	Enviroworks											
40			Storm drainage (cut and fill)	4 wks	Fri 2/9/18	Thu 3/8/18	39	Enviroworks											
41			Perform final site grading	2 wks	Mon 2/26/18	Fri 3/9/18	40FF+1 day	Enviroworks											
42			Deliver Survey As-builts	2 wks	Fri 2/9/18	Thu 2/22/18	39	Enviroworks											
43			Form and pour control room pad and valving headwalls/pad	1 wk	Fri 2/9/18	Thu 2/15/18	39	Enviroworks											
44			Drill, form, and pour equipment and lighting piers and foundations	1 wk	Fri 3/9/18	Thu 3/15/18	40,28	Enviroworks											
45			Cure pads and headwalls concrete	1 wk	Fri 2/16/18	Thu 2/22/18	43	Enviroworks											
46			Cure equipment and lighting piers	1 wk	Fri 3/16/18	Thu 3/22/18	44	Enviroworks											
47			Strip pads and headwalls forms	3 days	Fri 2/23/18	Tue 2/27/18	45	Enviroworks											
48			Strip equipment and lighting piers forms	5 days	Fri 3/23/18	Thu 3/29/18	46	Enviroworks											
49			Landfill Cell Grading	150 days	Fri 11/3/17	Thu 5/31/18													
50			Clear and grub site	2 wks	Fri 11/3/17	Thu 11/16/17	37	Enviroworks											
51			Rough grade site (cut and fill)	4 wks	Fri 12/15/17	Thu 1/11/18	38	Enviroworks											
52			Construct subgrade and berms	10 wks	Fri 1/12/18	Thu 3/22/18	51	Enviroworks											
53			Storm drainage (cut and fill)	6 wks	Fri 3/23/18	Thu 5/3/18	52	Enviroworks											
54			Place PSL and Perform final site grading	4 wks	Fri 5/4/18	Thu 5/31/18	53,69	Enviroworks											
55			Deliver Survey As-builts	2 wks	Fri 3/23/18	Thu 4/5/18	52	Enviroworks											
56			Evaporation Ponds Lining	130 days	Fri 9/15/17	Thu 3/15/18													
57			Place material orders	1 wk	Fri 9/15/17	Thu 9/21/17	21	SLS											
58			Manufacture liner	4 wks	Fri 9/22/17	Thu 10/19/17	57	Vendor,SLS											
59			Manufacture quality control review	4 wks	Fri 10/20/17	Thu 11/16/17	58	Gordon/PSC											
60			Conformance review	2 wks	Fri 11/17/17	Thu 11/30/17	59	Gordon/PSC											
61			Ship and delivery	4 wks	Fri 12/1/17	Thu 12/28/17	60	Vendor,SLS											
62			Install pond liners	5 wks	Fri 2/9/18	Thu 3/15/18	61,39	SLS											
63			Landfill Cell Liner	165 days	Fri 9/15/17	Thu 5/3/18													
64			Place material orders	1 wk	Fri 9/15/17	Thu 9/21/17	21	SLS											
65			Manufacture liner	4 wks	Fri 9/22/17	Thu 10/19/17	64	Vendor,SLS											

Project: Sundance West Phase 1
Date: Wed 8/2/17

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone













Deadline

Progress

Manual Progress

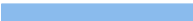
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ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	9	May 28	Jul 16	Sep 3	Oct 22	Dec 10	Jan 28	Mar 18	May 6	Jun 24	Aug 1
66			Manufacture quality control review	4 wks	Fri 10/20/17	Thu 11/16/17	65	Gordon/PSC						Gordon/PSC					
67			Conformance review	2 wks	Fri 11/17/17	Thu 11/30/17	66	Gordon/PSC						Gordon/PSC					
68			Ship and delivery	6 wks	Fri 12/1/17	Thu 1/11/18	67	Vendor,SLS						Vendor,SLS					
69			Install landfill liners	6 wks	Fri 3/23/18	Thu 5/3/18	68,52	SLS						SLS					

Project: Sundance West Phase 1
Date: Wed 8/2/17


Task




Project Summary




Manual Task




Start-only




Deadline




Split




Inactive Task




Duration-only




Finish-only




Progress




Milestone




Inactive Milestone




Manual Summary Rollup




External Tasks




Manual Progress




Summary



Inactive Summary



Manual Summary



External Milestone

