

NM1-62

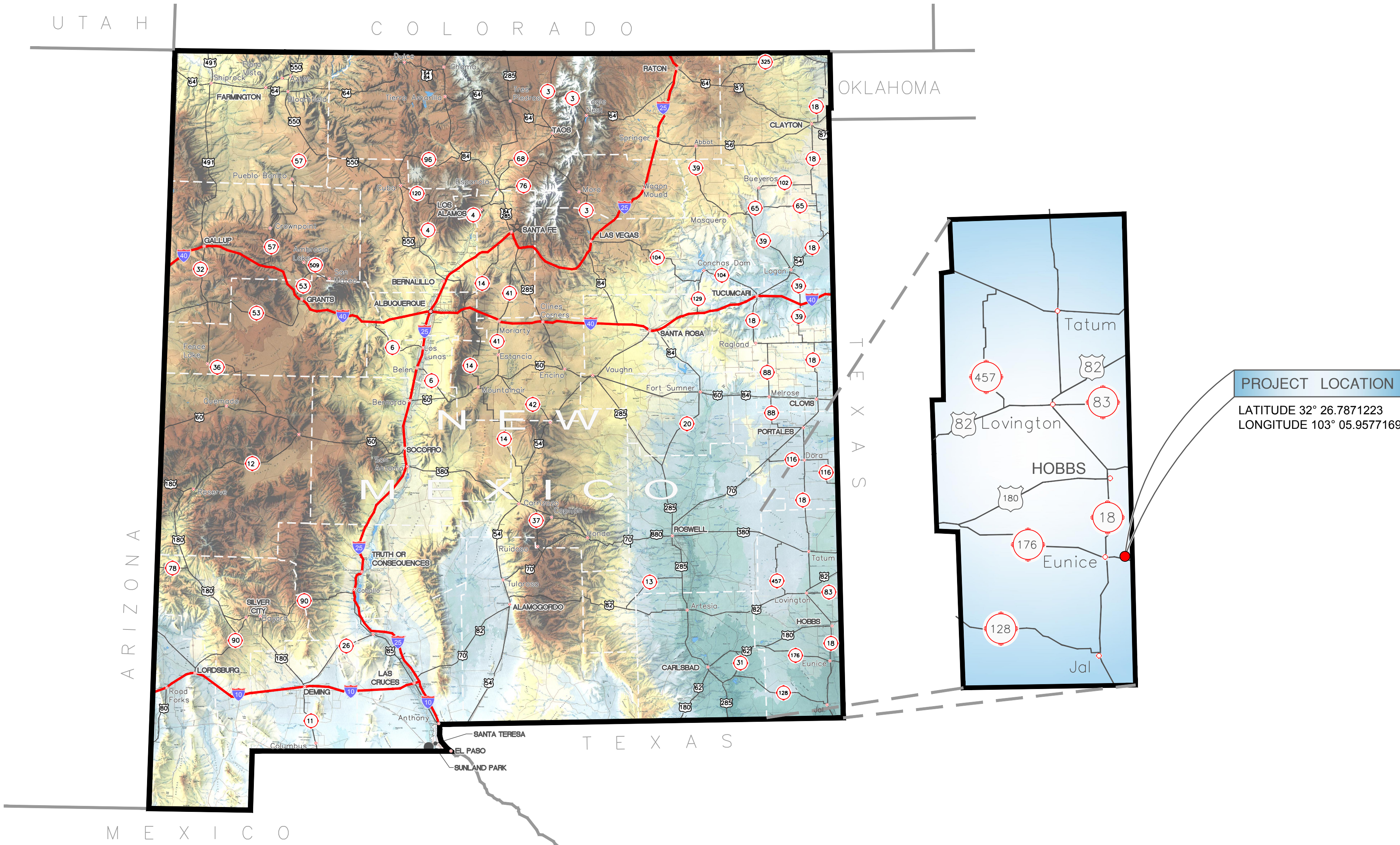
**Construction
Plans**

Cell 1A/1B

October 2018

SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 2: LAND DISPOSAL CELL 1A/1B CONSTRUCTION PLANS LEA COUNTY, NEW MEXICO



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

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C-103R1	BASE GRADING PLAN
C-104R1	CUT-FILL TIC MAP
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GORDON

ENVIRONMENTAL

PSC

CHARLES WALTER FIEDLER

NEW MEXICO

19731

10/01/2018

PROFESSIONAL ENGINEER

Charles W. Fiedler, P.E.

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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 2
LAND DISPOSAL CELL 1A/1B
CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

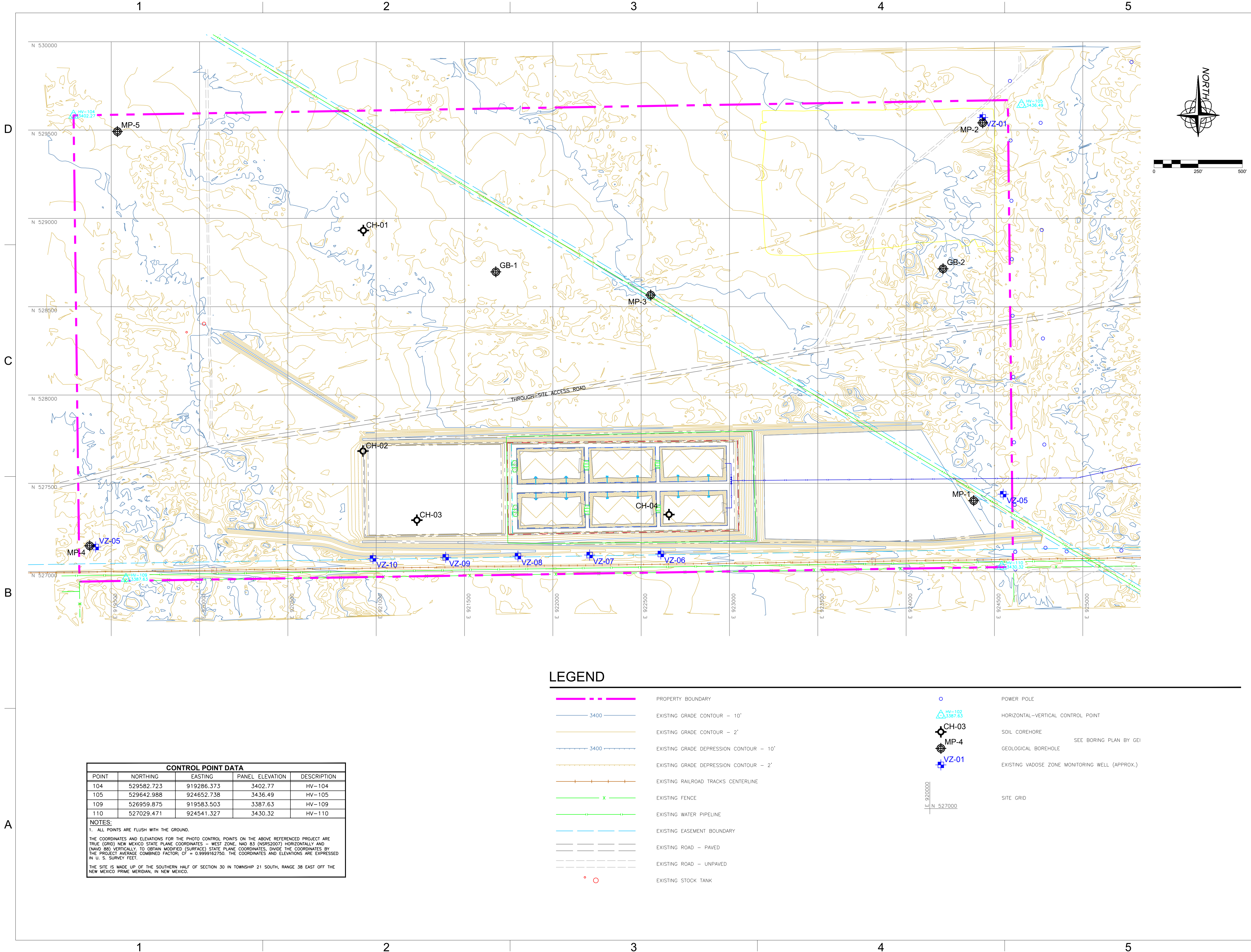
3	10/01/2018	ADDENDUM-R1: Cell 1B Added
2	07/31/2018	FOR CONSTRUCTION
1	05/04/2018	BID
-	04/24/2018	FOR CLIENT REVIEW
NO	DATE	DESCRIPTION
ISSUING OFFICE: RIO RANCHO		PROJECT NO: 0111.17

COVER SHEET AND INDEX

G-001R1

SET NUMBER

FILE NAME: X:\2017\0111.1702.DSGM02_DWG050_CIVIL03-a_LandDisp_expanded(C-101-0111-17.dwg LAYOUT NAME: C-101 PRINTED: Thursday, September 27, 2018 - 5:35pm USER: amcbrien



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.

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ENVIRONMENTAL

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NEW MEXICO
19731
07/31/2018
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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 2
LAND DISPOSAL CELL 1A
CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

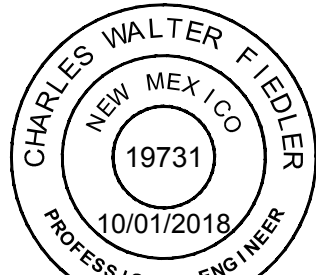
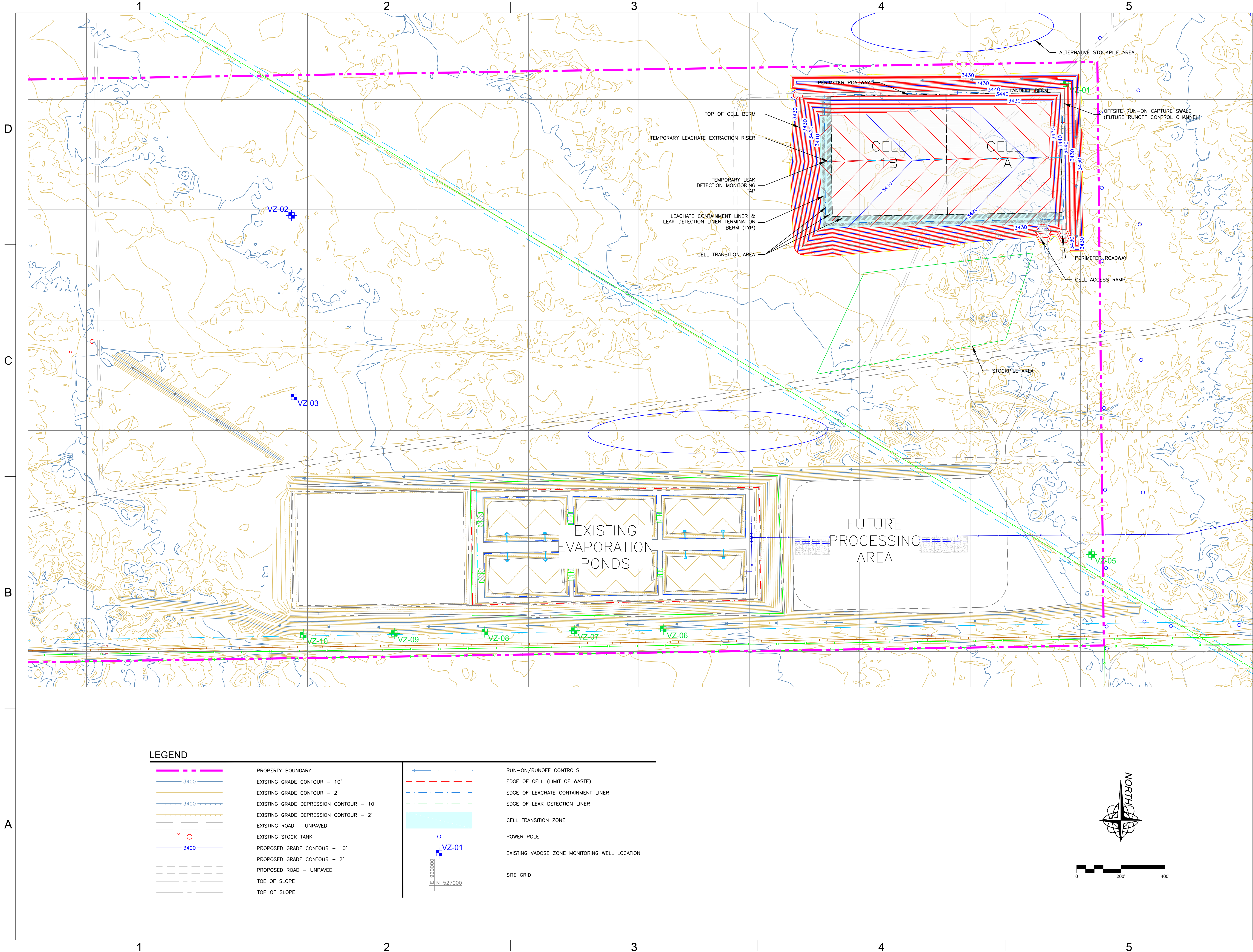
KEY PLAN

2	07/31/2018	FOR CONSTRUCTION
1	05/04/2018	BID
-	04/24/2018	FOR CLIENT REVIEW
NO	DATE	DESCRIPTION
ISSUING OFFICE: RIO RANCHO		PROJECT NO: 0111.17

SITE PLAN
EXISTING
CONDITIONS

C-101

FILE NAME: X:\20170111.1702_DSGN02_DWG050_CIVIL03-a_LandDisp_expanded\C-102-0111-17.dwg LAYOUT NAME: C-102R1 PRINTED: Friday, September 28, 2018 - 10:09am USER: amcbrien



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SUB-PHASE 2 LAND DISPOSAL CELL 1A/1B CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

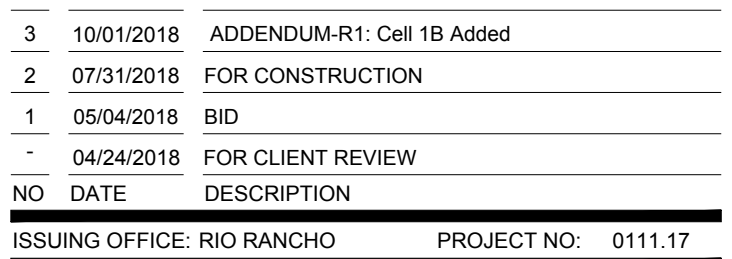
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1	05/04/2018	BID
-	04/24/2018	FOR CLIENT REVIEW
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**SITE DEVELOPMENT
PLAN**

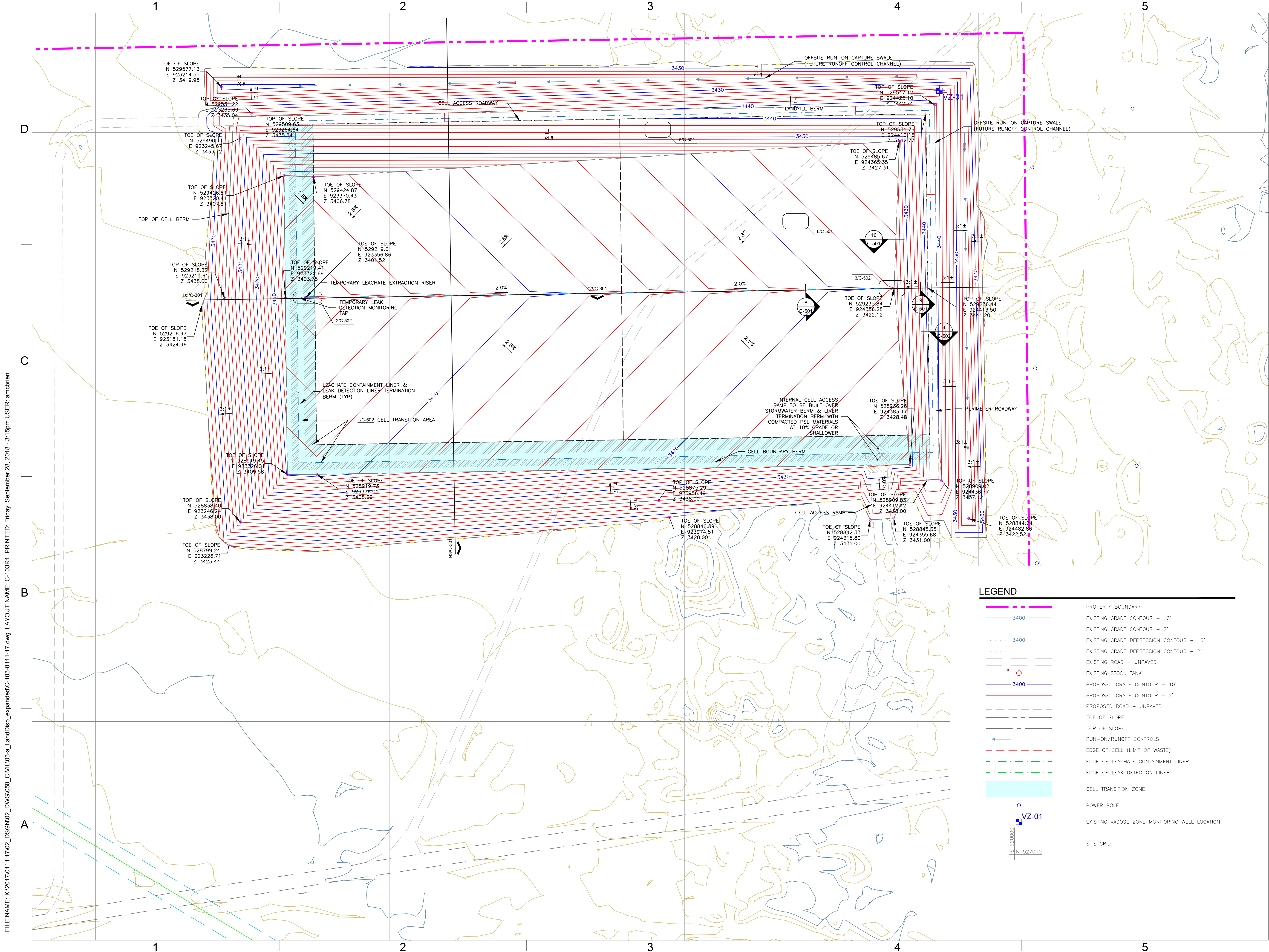
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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

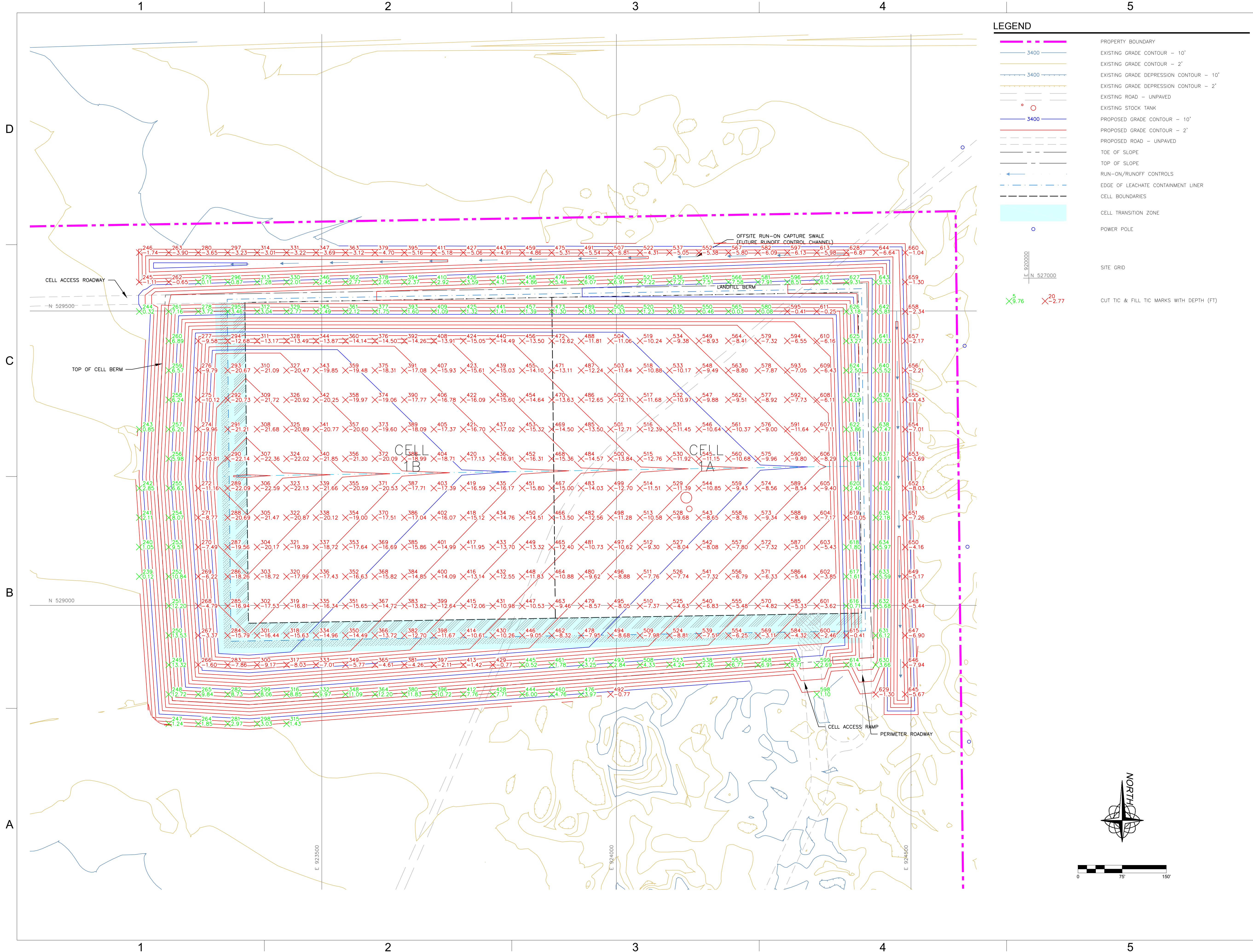
LEA COUNTY, NEW MEXICO



C-103R1



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19731
10/01/2018
PROFESSIONAL ENGINEER

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SUB-PHASE 2 LAND DISPOSAL CELL 1A/1B CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

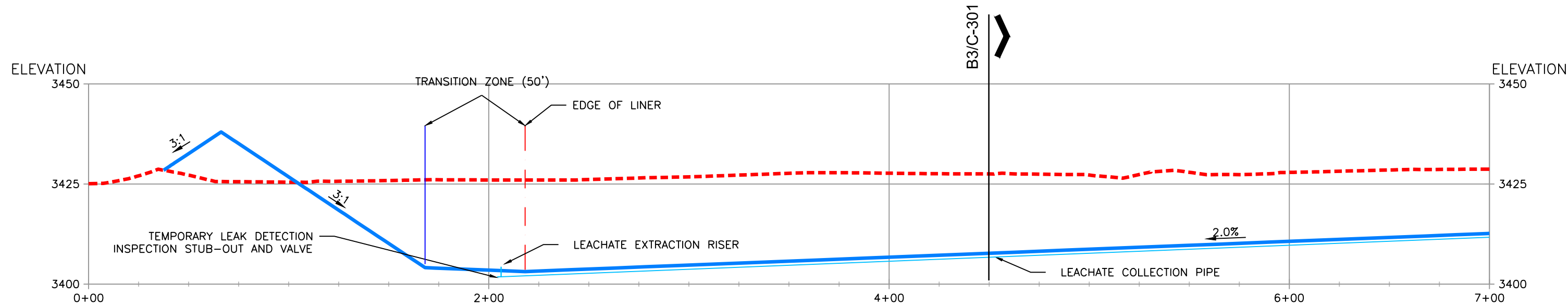
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NO	DATE	DESCRIPTION
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CUT-FILL
TIC MAP

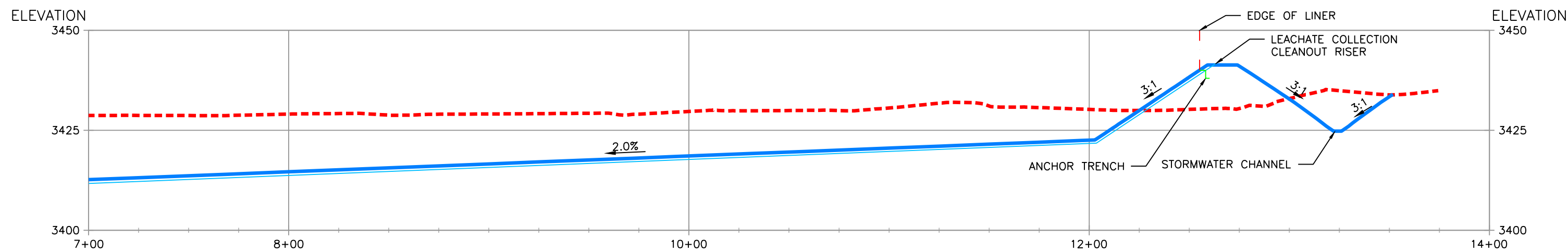
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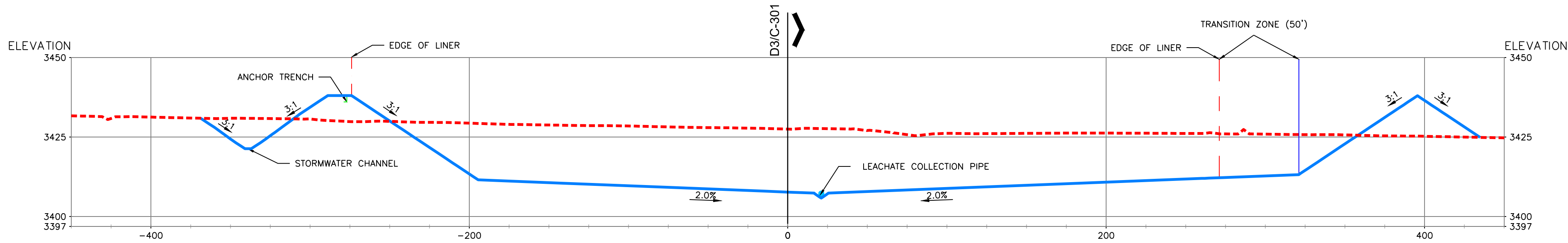
D



D3 LAND DISPOSAL AREA EAST-WEST SECTION
2:1 VERTICAL EXAGGERATION SECTION VIEW-WEST HALF



C3 LAND DISPOSAL AREA EAST-WEST SECTION
2:1 VERTICAL EXAGGERATION SECTION VIEW-EAST HALF

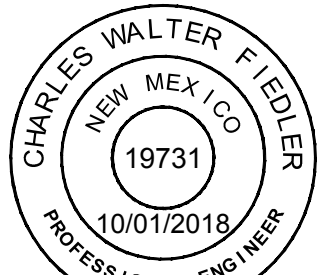


B3 LAND DISPOSAL AREA NORTH-SOUTH SECTION
2:1 VERTICAL EXAGGERATION SECTION VIEW

SEE SHEET C-103 FOR SECTION LOCATIONS

LEGEND

- SECTION VIEW - EXISTING GRADES
- SECTION VIEW - FINAL GRADES
- EDGE OF LINED AREA
- LEACHATE COLLECTION PIPE



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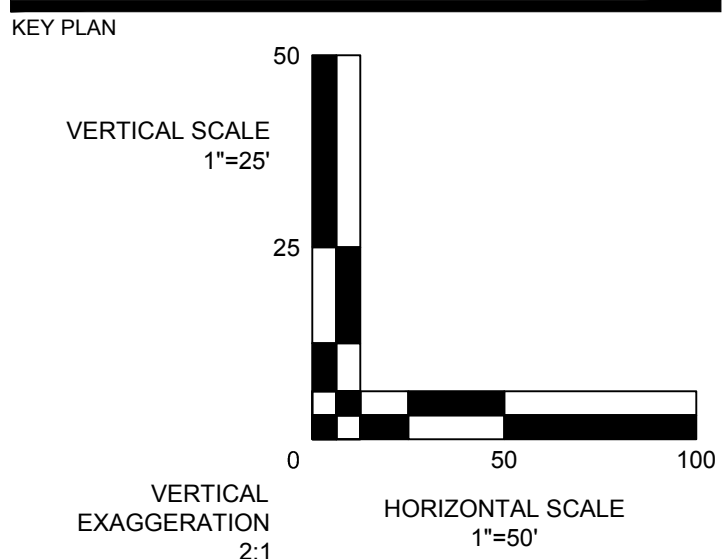
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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 2 LAND DISPOSAL CELL 1A/1B CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

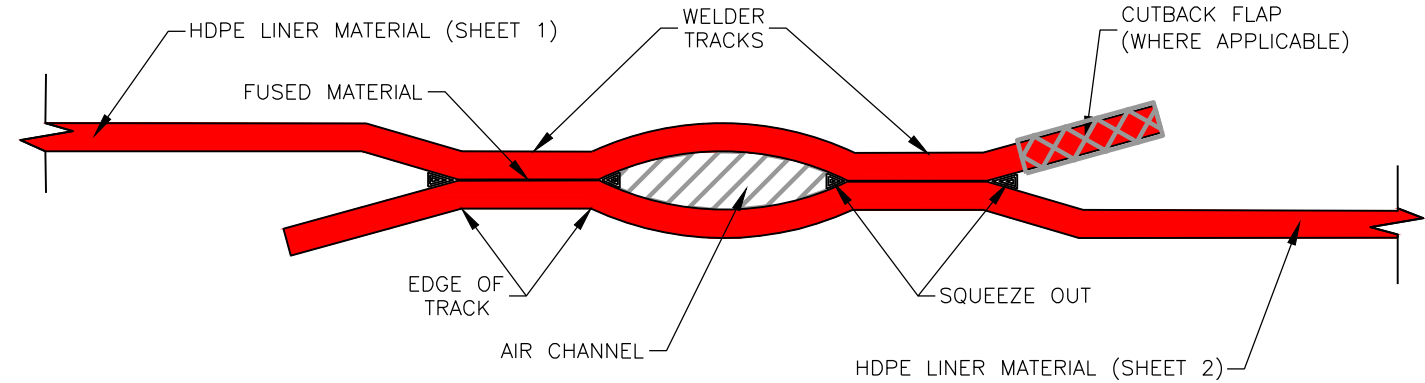


NO.	DATE	DESCRIPTION
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ISSUING OFFICE: RIO RANCHO		PROJECT NO: 0111.17

SECTIONS

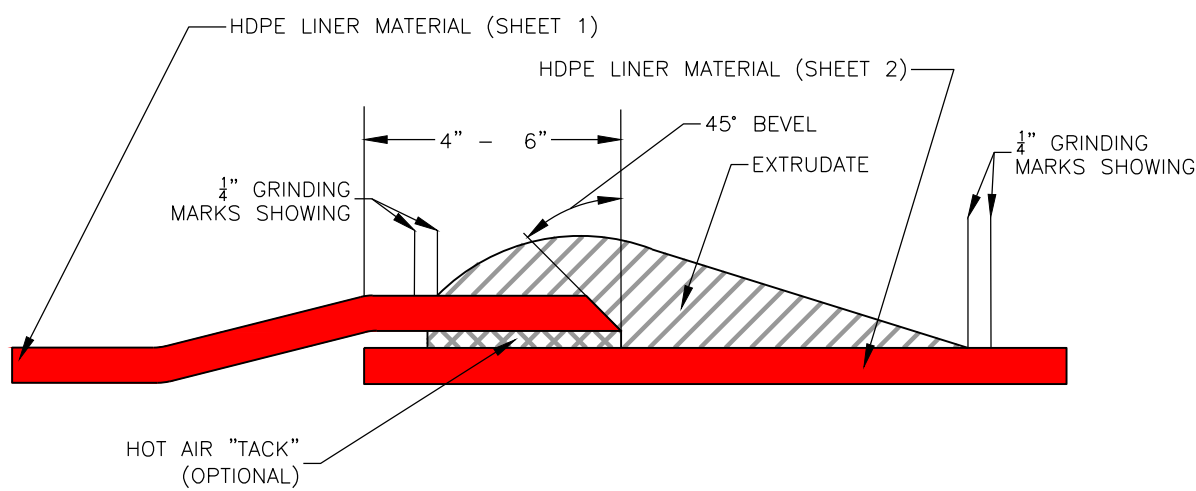
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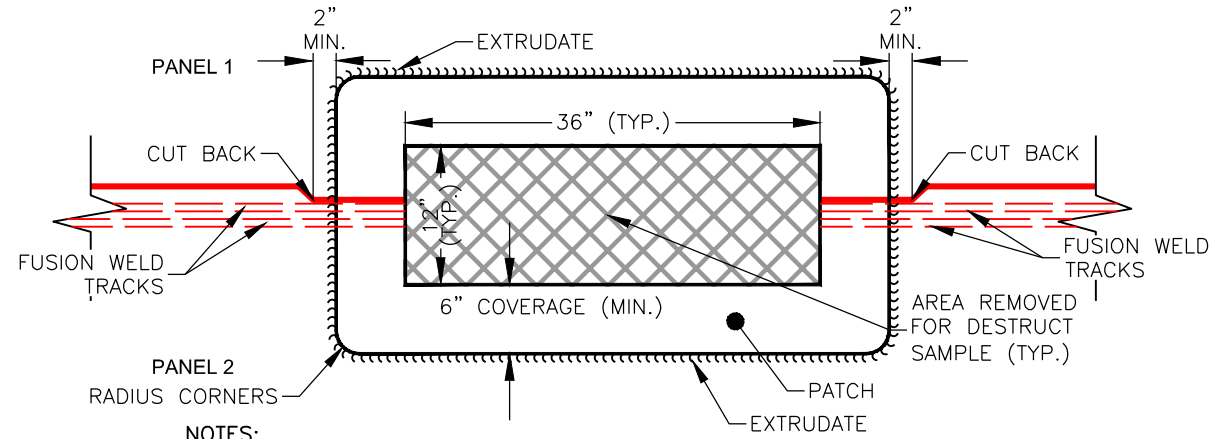
- NOTES:
1. BOTH AREAS OF FUSED MATERIAL SHOULD BE VOID OF ANY SEAM LINES
 2. EDGE OF TRACKS NOT TO CUT THE LINER
 3. AIR CHANNEL SHOULD BE CLEAR
 4. BOTH WELDER TRACKS SHALL BE EQUAL WIDTHS
 5. SQUEEZE OUT SHOULD BE JUST BARELY VISIBLE IN ALL FOUR (4) LOCATIONS WHEN VIEWED IN THE TEST CROSS-SECTION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

1 TYPICAL DOUBLE TRACK FUSION WELD
NOT TO SCALE SECTION VIEW



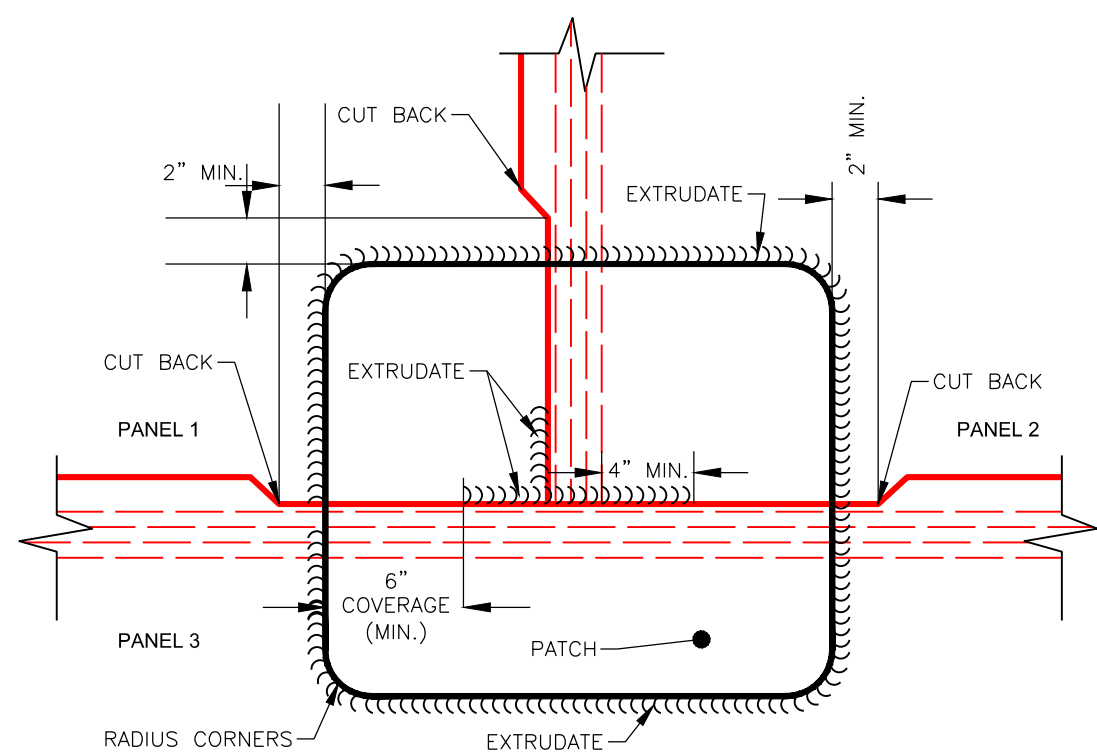
- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED

2 TYPICAL EXTRUSION WELD
NOT TO SCALE SECTION VIEW



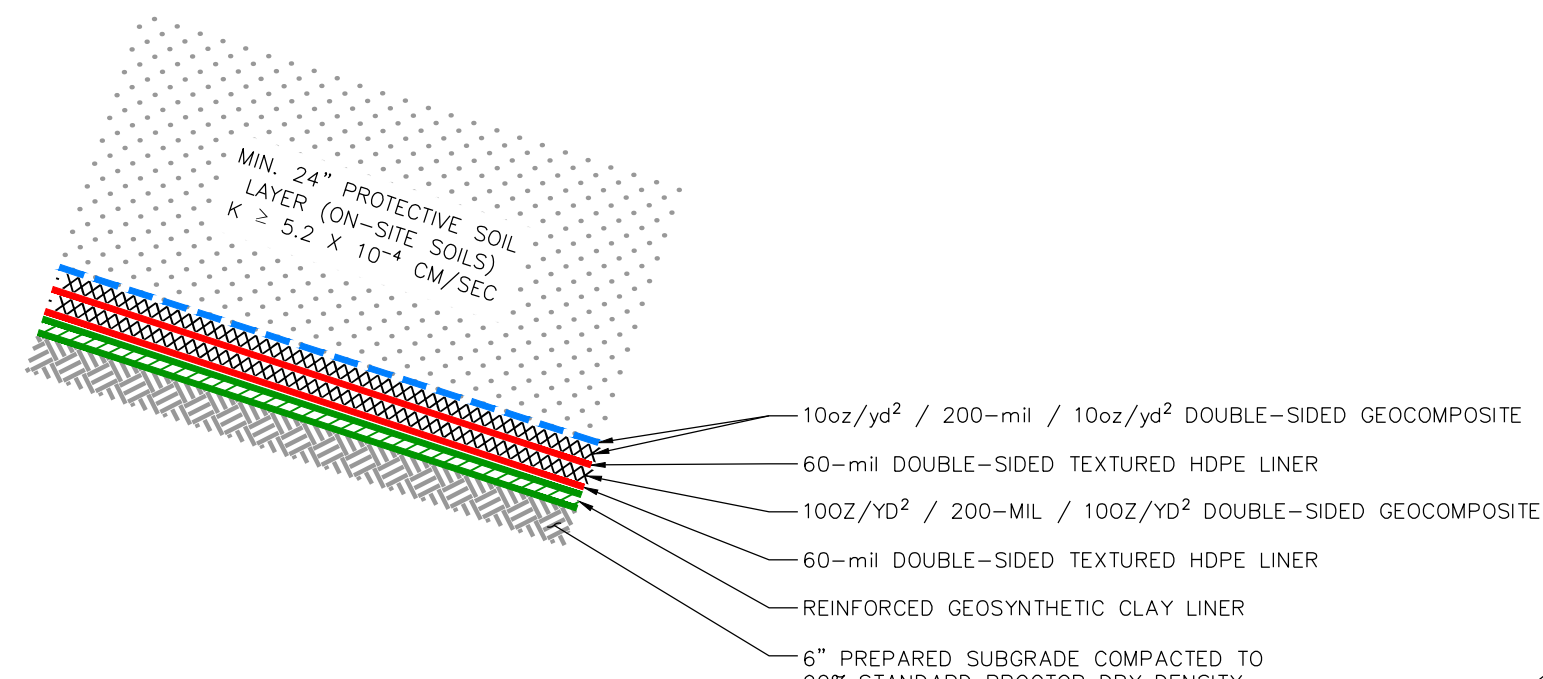
- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED
 2. ALL DOUBLE TRACK FUSION WELDS SHALL BE AIR PRESSURE TESTED
 3. PANELS SHALL BE OVERLAPPED IN NUMERICAL ORDER - HIGHEST ON TOP

3 TYPICAL HDPE LINER SEAM PATCH
NOT TO SCALE SECTION VIEW

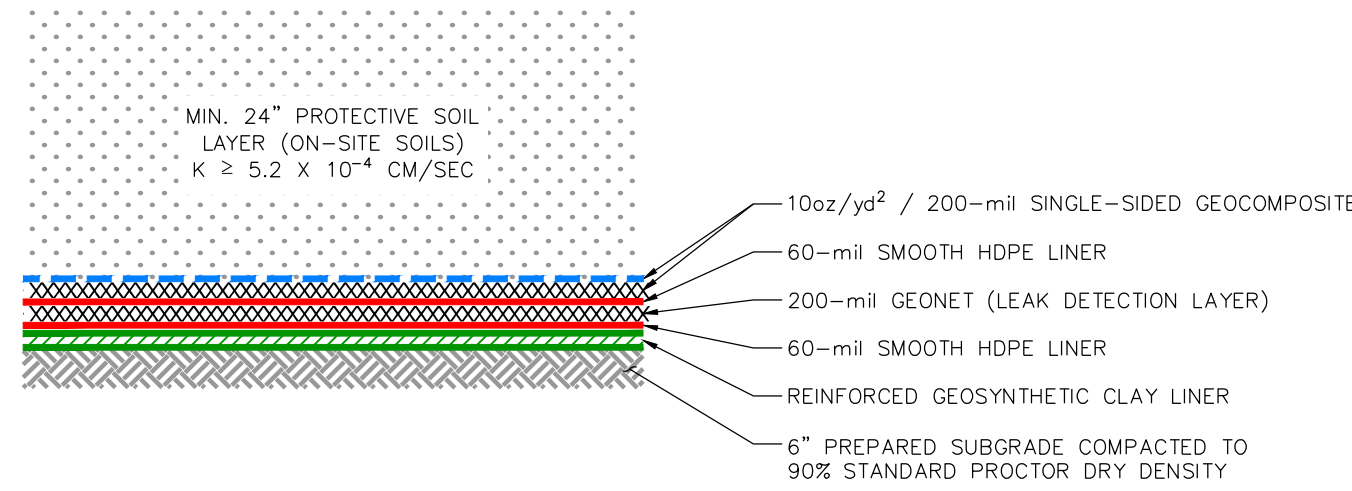


- NOTES:
1. ALL EXTRUSION WELDS SHALL BE VACUUM TESTED
 2. ALL DOUBLE TRACK FUSION WELDS SHALL BE AIR PRESSURE TESTED
 3. PANELS SHALL BE OVERLAPPED IN NUMERICAL ORDER - HIGHEST ON TOP

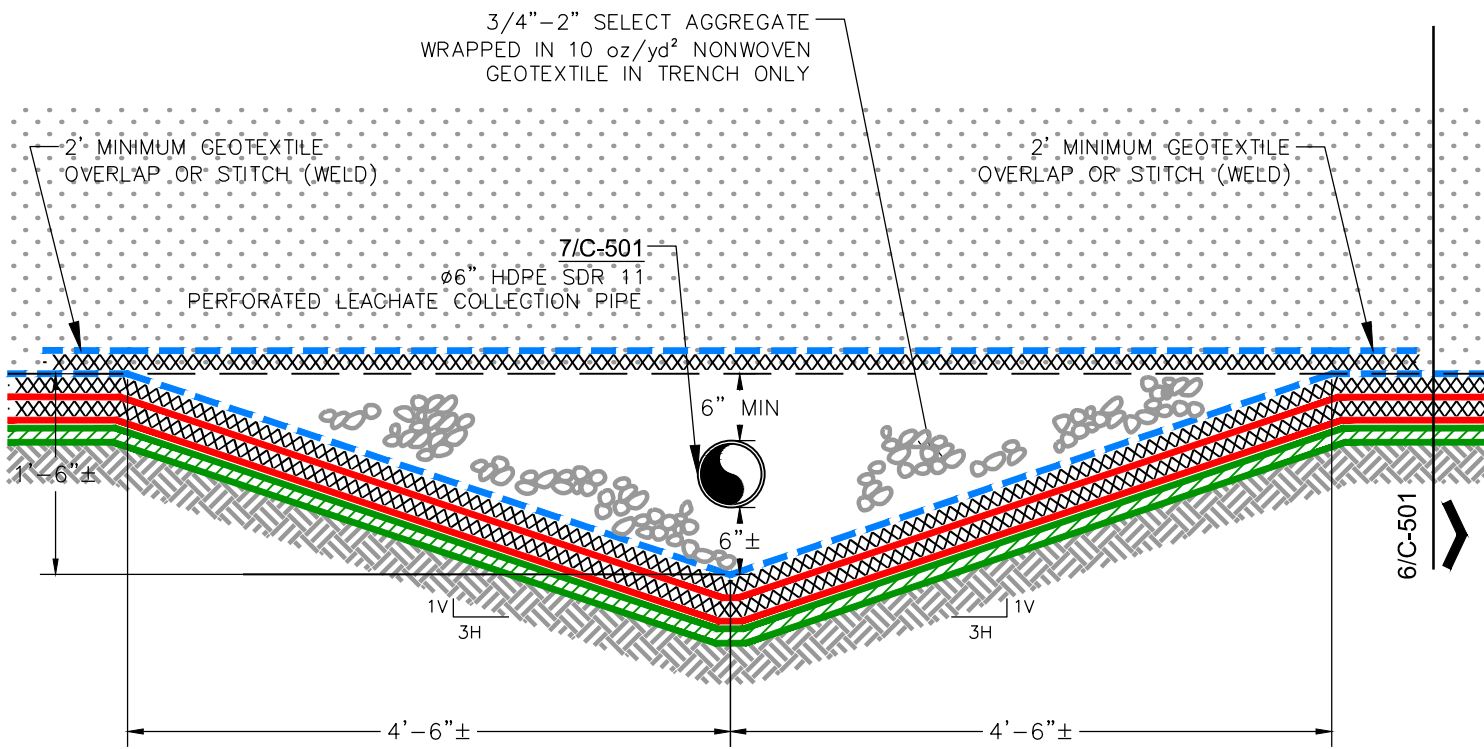
4 TYPICAL "T" AT BUTT SEAM
NOT TO SCALE SECTION VIEW



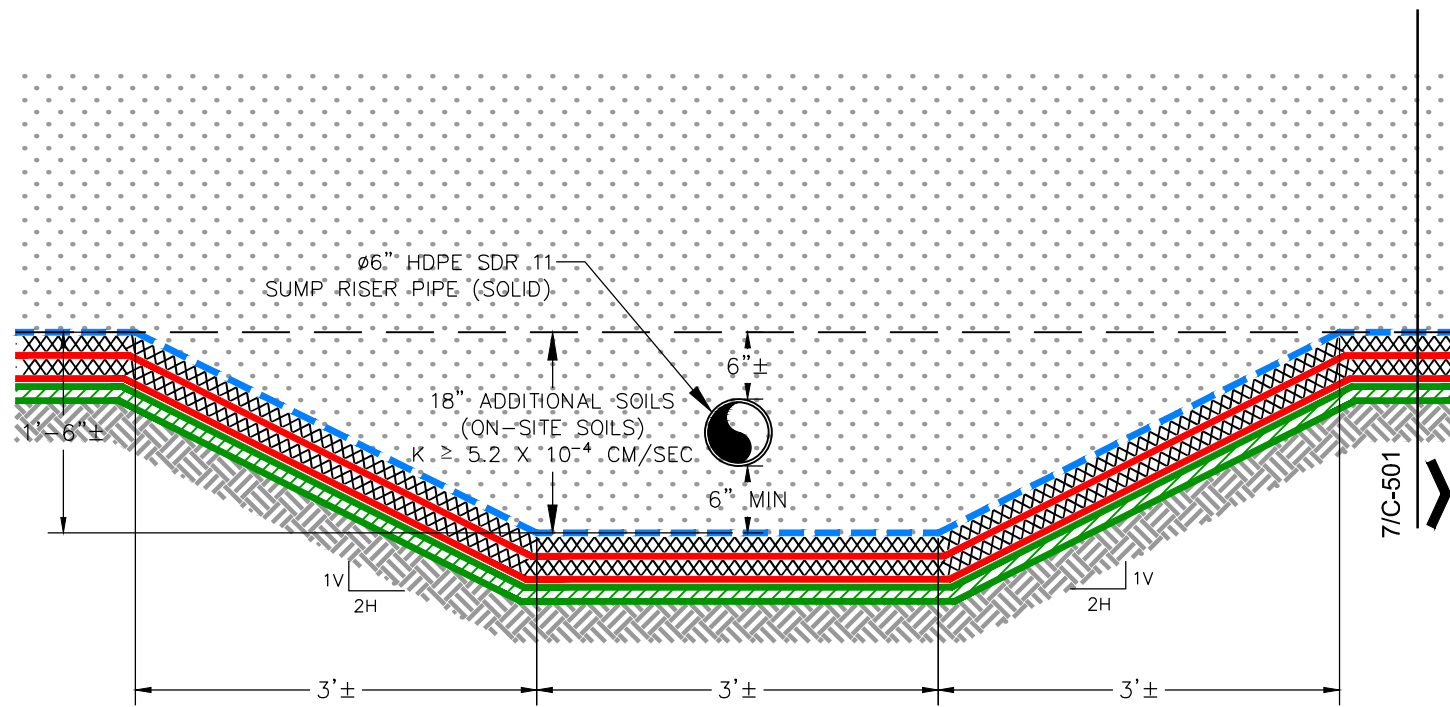
5 SIDEWALL LINER SYSTEM
NOT TO SCALE SECTION VIEW



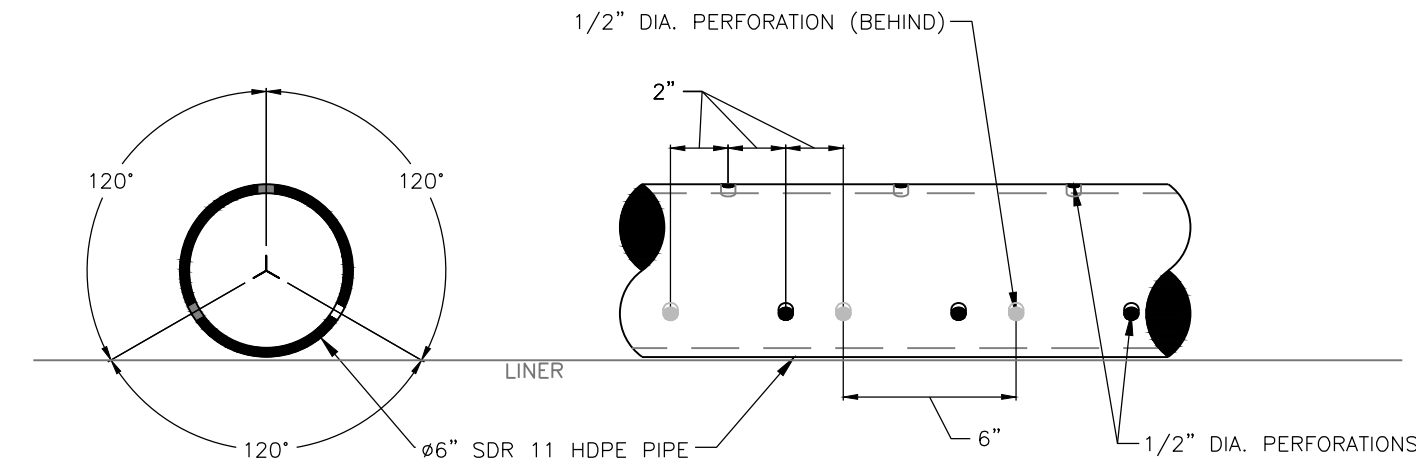
6 FLOOR LINER SYSTEM
NOT TO SCALE SECTION VIEW



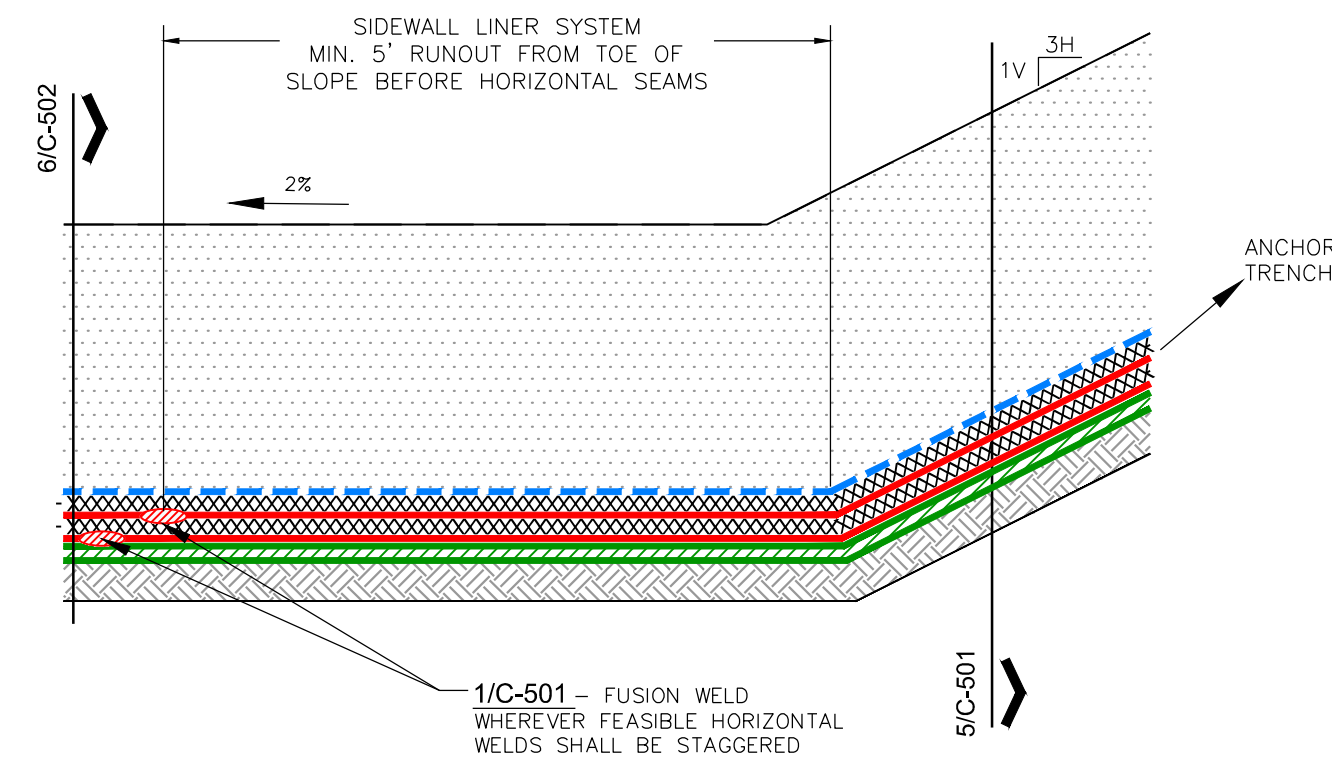
8 LEACHATE COLLECTION TRENCH AND PIPE
NOT TO SCALE SECTION VIEW



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



7 PERFORATED LEACHATE COLLECTION PIPE
NOT TO SCALE SECTION VIEW



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



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SUNDANCE WEST SURFACE WASTE MANAGEMENT FACILITY

SUB-PHASE 2 LAND DISPOSAL CELL 1A CONSTRUCTION PLANS

LEA COUNTY, NEW MEXICO

KEY PLAN

NO	DATE	DESCRIPTION	PROJECT NO.
2	07/31/2018	FOR CONSTRUCTION	0111.17
1	05/04/2018	BID	
-	04/24/2018	FOR CLIENT REVIEW	
ISSUING OFFICE: RIO RANCHO			0111.17

**ENGINEERING
DETAILS I**

C-501

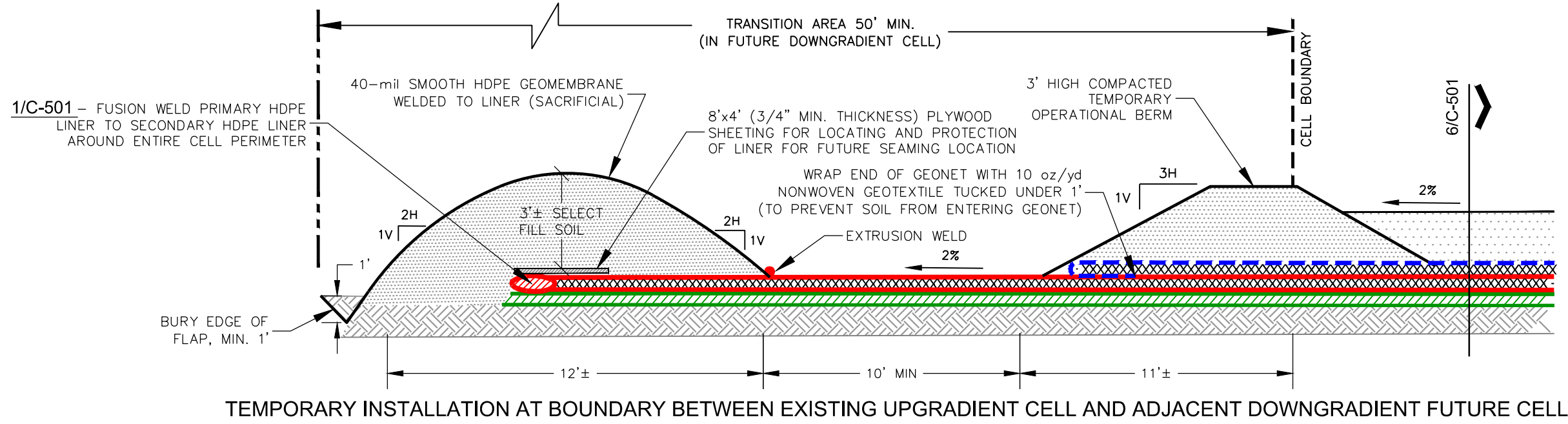
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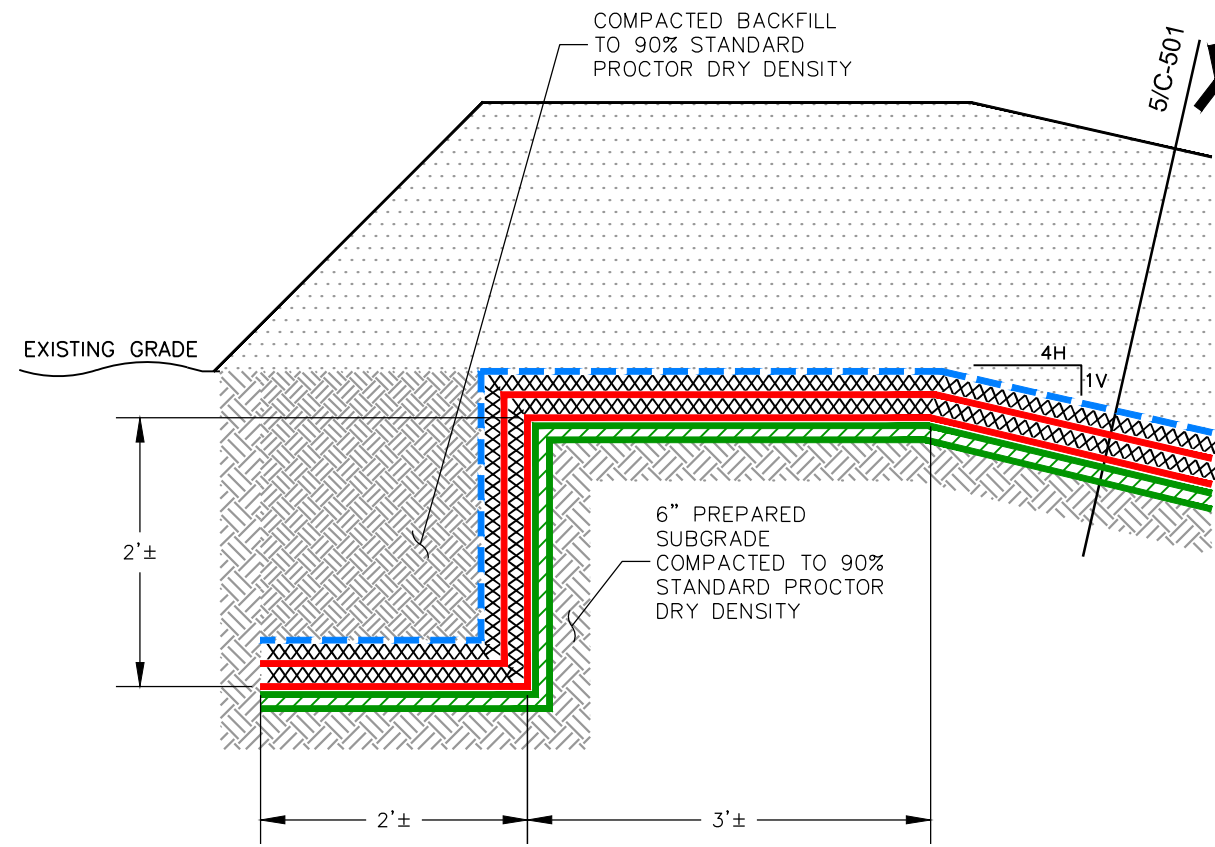
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B

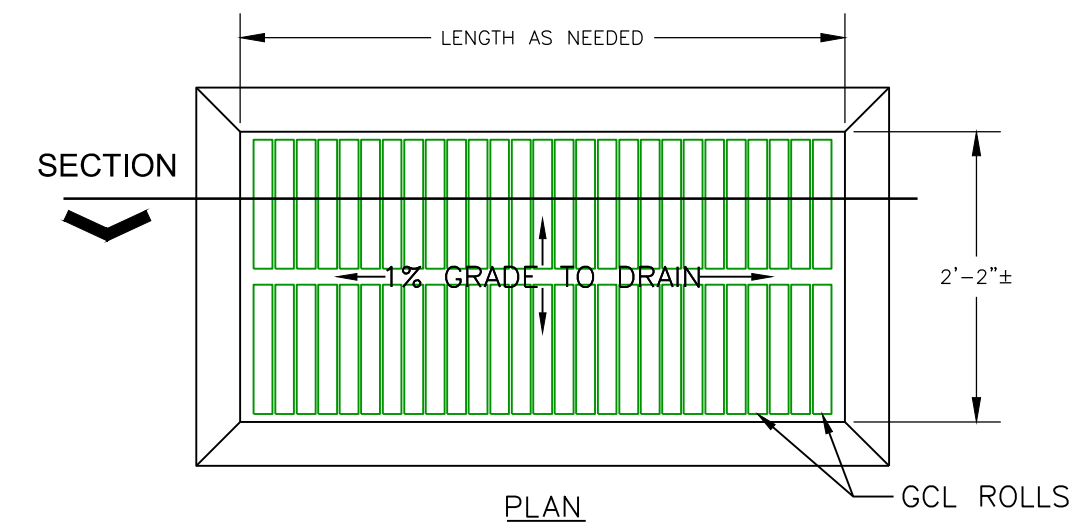
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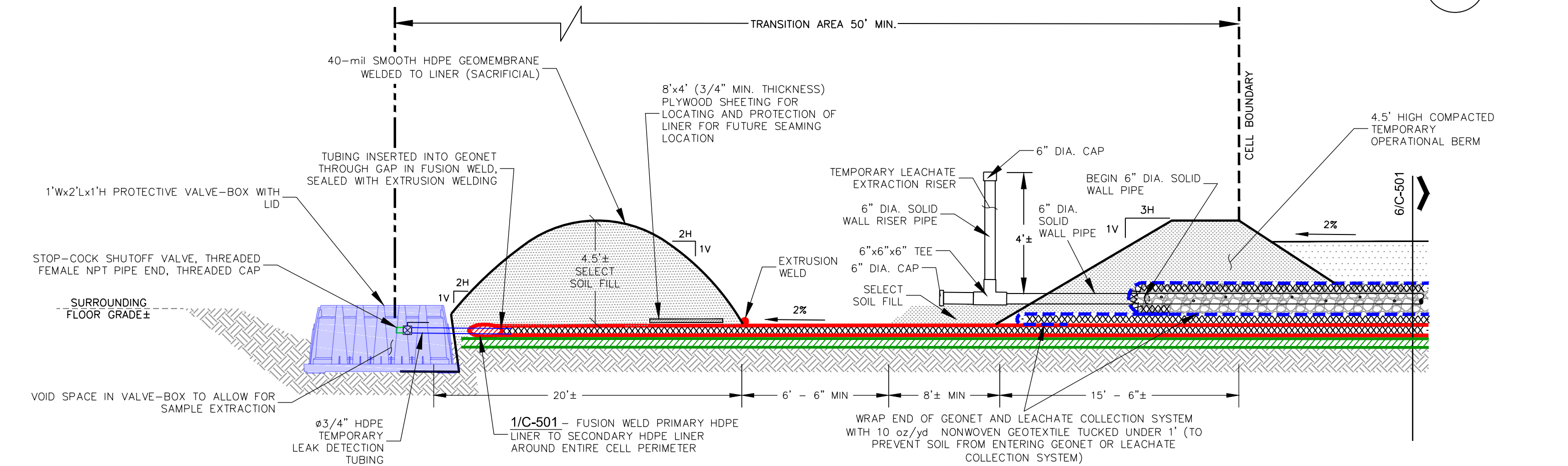
1 TYPICAL CELL TRANSITION AREA
NOT TO SCALE SECTION VIEW



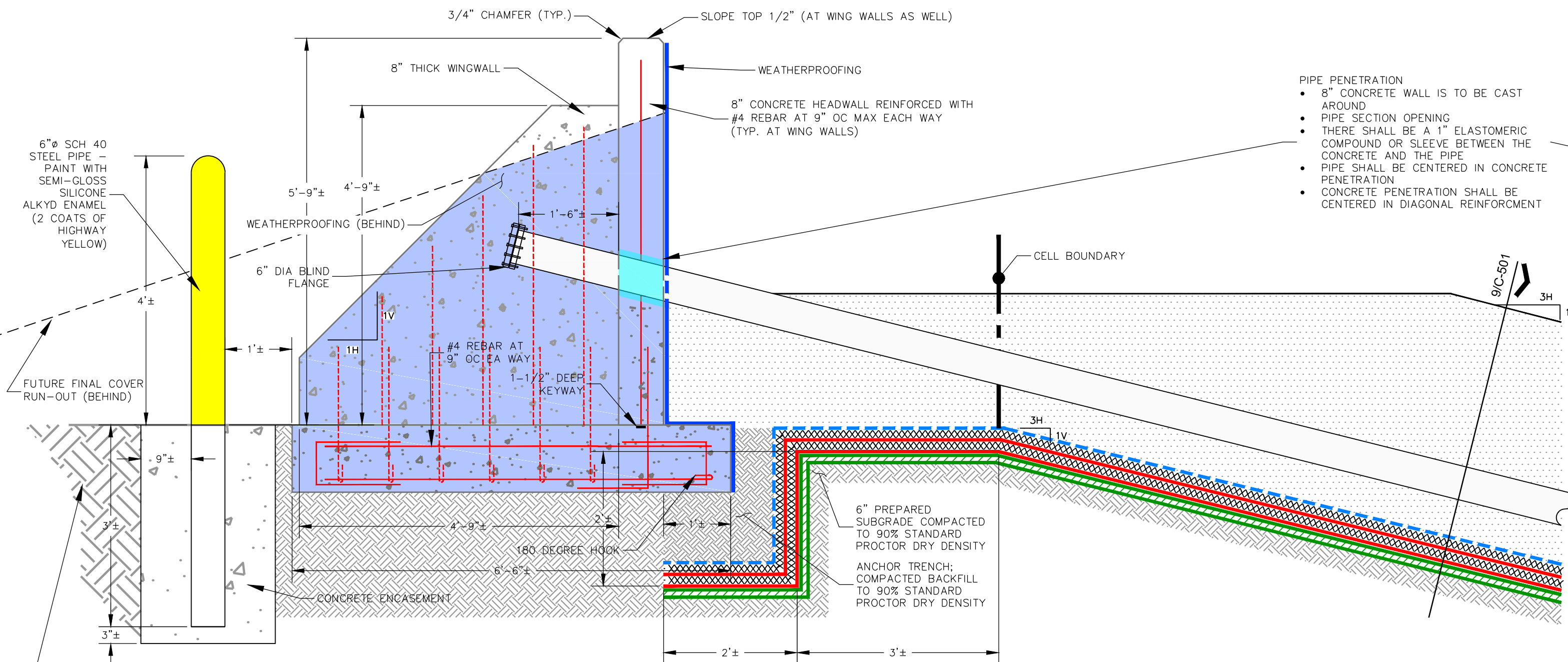
4 PERMANENT ANCHOR TRENCH
NOT TO SCALE SECTION VIEW



5 GCL STORAGE PAD
NOT TO SCALE PLAN & SECTION VIEWS

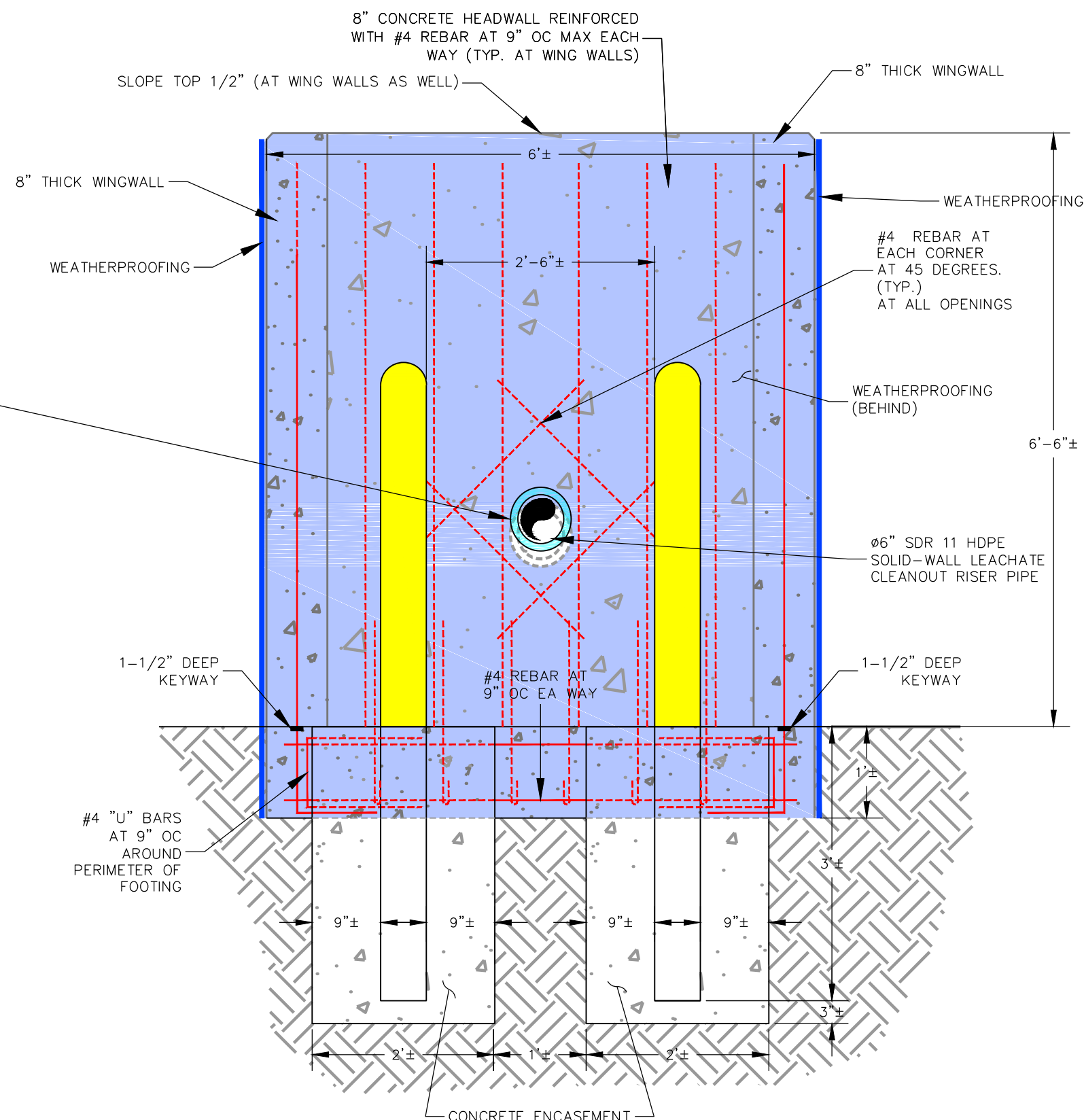


2 TEMPORARY SUMP DETAIL
NOT TO SCALE SECTION VIEW



3 CLEANOUT RISER TERMINATION WITH HEADWALL
NOT TO SCALE SECTION VIEW

NOTE: ALL CONCRETE SHOWN SHALL BE A 4,000 PSI STRENGTH CONCRETE, AND CONFORM TO PROJECT AND ACI STANDARD SPECIFICATIONS



6 HEADWALL ELEVATION
NOT TO SCALE ELEVATION VIEW



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LEA COUNTY, NEW MEXICO

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NO	DATE	DESCRIPTION	
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ENGINEERING
DETAILS II

C-502