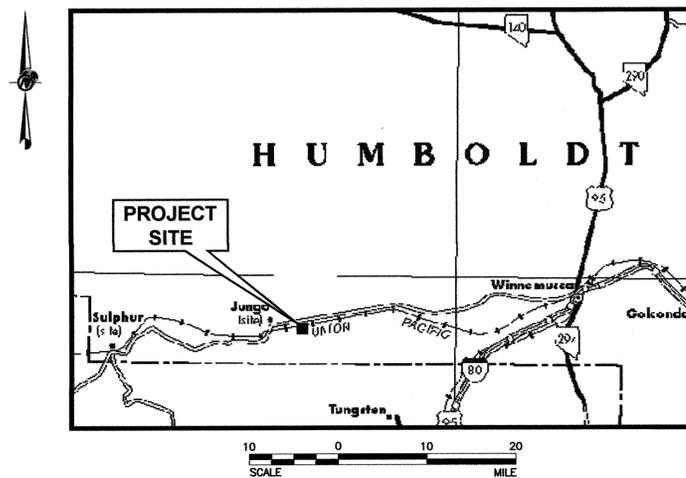
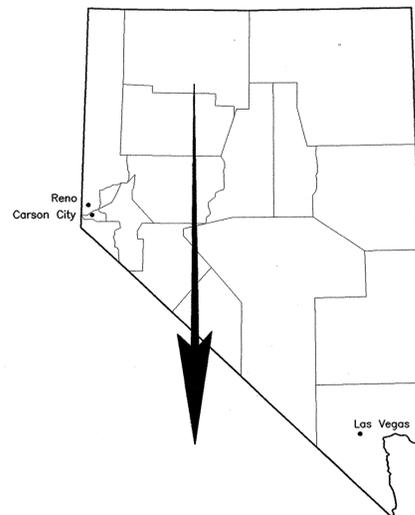


# JUNGO ROAD LANDFILL DESIGN PLANS

## WINNEMUCCA, NV



LOCATION MAP

**NOTE**

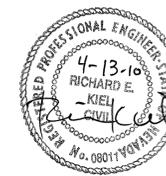
1. BASE MAP FROM THE NEVADA DEPARTMENT OF TRANSPORTATION, BASE HIGHWAY MAP, 2000.

DRAWING NO.	TITLE	REVISION NO.
1	DRAWING INDEX	C
2	SITE PLAN	A
3	LANDFILL BASE GRADING PLAN	B
3A	BASE GRADING PLAN, 1-IN = 200-FT, 1 OF 4	C
3B	BASE GRADING PLAN, 1-IN = 200-FT, 2 OF 4	B
3C	BASE GRADING PLAN, 1-IN = 200-FT, 3 OF 4	B
3D	BASE GRADING PLAN, 1-IN = 200-FT, 4 OF 4	B
3E	BASIN PLAN	A
4	LINER AND LCRS DETAILS	C
5	FINAL COVER GRADING PLAN	B
5A	FINAL COVER GRADING PLAN, 1-IN = 200-FT, 1 OF 4	A
5B	FINAL COVER GRADING PLAN, 1-IN = 200-FT, 2 OF 4	A
5C	FINAL COVER GRADING PLAN, 1-IN = 200-FT, 3 OF 4	A

DRAWING NO.	TITLE	REVISION NO.
5D	FINAL COVER GRADING PLAN, 1-IN = 200-FT, 4 OF 4	A
6	PRELIMINARY LANDFILL GAS COLLECTION PLAN	B
7	SURFACE WATER DRAINAGE PLAN	B
8	FINAL COVER DETAILS	C
9	CROSS SECTIONS	B
10	INITIAL CELL DEVELOPMENT PLAN	B
11	CELL DEVELOPMENT PLAN END OF YEAR 10	B
12	CELL DEVELOPMENT PLAN END OF YEAR 25	B
13	CELL DEVELOPMENT PLAN END OF YEAR 50	B
14	CELL DEVELOPMENT PLAN END OF YEAR 75	B
15	LANDFILL DEVELOPMENT CROSS SECTIONS 1 OF 2	B
16	LANDFILL DEVELOPMENT CROSS SECTIONS 2 OF 2	B

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	R/W
△	04/12/10	KGH	ADD SECONDARY LCRS/LINER		RJS	KGH REK
△	5/29/09	KDH	REVISED DRAWING LIST		RJS	KGH REK
△	3/11/08	KDH	ISSUED FOR PERMITTING		RJS	KGH REK

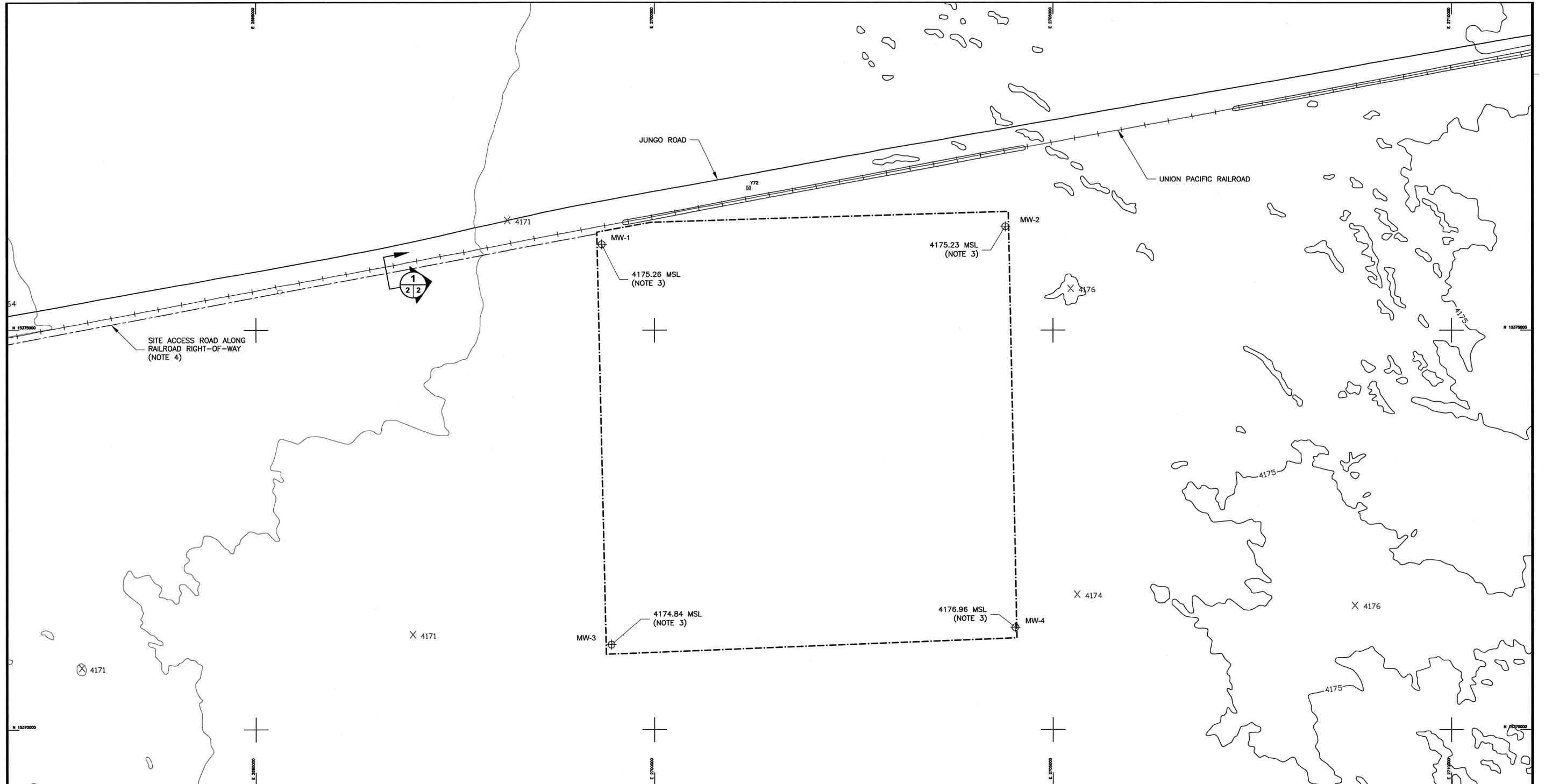
PROJECT  
JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA



TITLE  
**DRAWING INDEX**

PROJECT No. 063-7079-100	FILE No. DWG 01 - Index
DESIGN KGH 10/01/07	SCALE AS SHOWN REV. C
CADD JDR 03/05/08	<b>1</b>
CHECK KGH 03/05/08	
REVIEW REK 03/05/08	

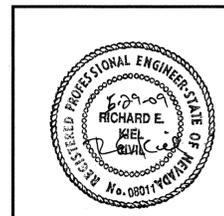
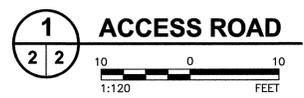
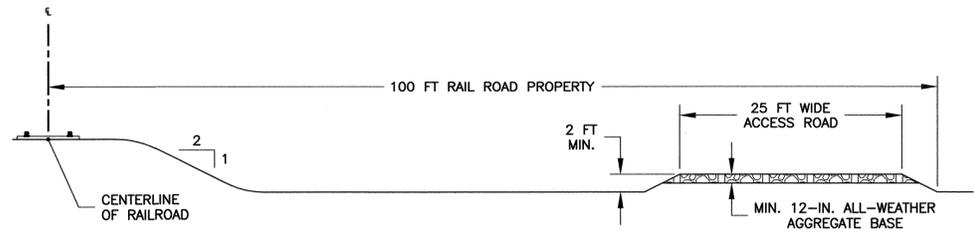




**LEGEND**

	LIMIT OF PROPERTY BOUNDARY (SECTION 7, T35NR33E)
	INDEX TOPOGRAPHIC CONTOUR
	RAILROAD
	PAVED ROAD
	SITE ACCESS ROAD
	MW-1 APPROX. LOCATION AND ID OF EXISTING MONITORING WELL

- NOTES**
- PROPERTY BOUNDARY AND GROUND ELEVATIONS SURVEYED BY SIERRA SURVEYING, INC. DATUM: NAD83 NEVADA STATE PLANES, WEST ZONE.
  - TOPOGRAPHIC CONTOURS FROM USGS 7.5 MIN QUADRANGLE, JUNGO NE, NEVADA; DATED 1971. ORIGINAL DATUM: UTM ZONE 11N NAD-27.
  - GROUND ELEVATION (MEAN SEA LEVEL) AT WELL LOCATIONS.
  - ACCESS ROAD WILL HAVE AN ALL WEATHER GRAVEL SURFACE.



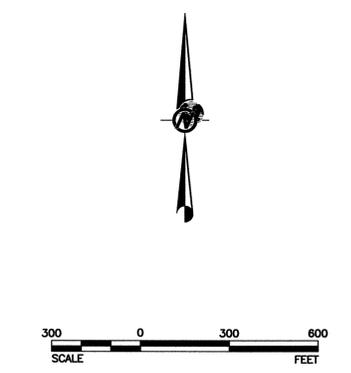
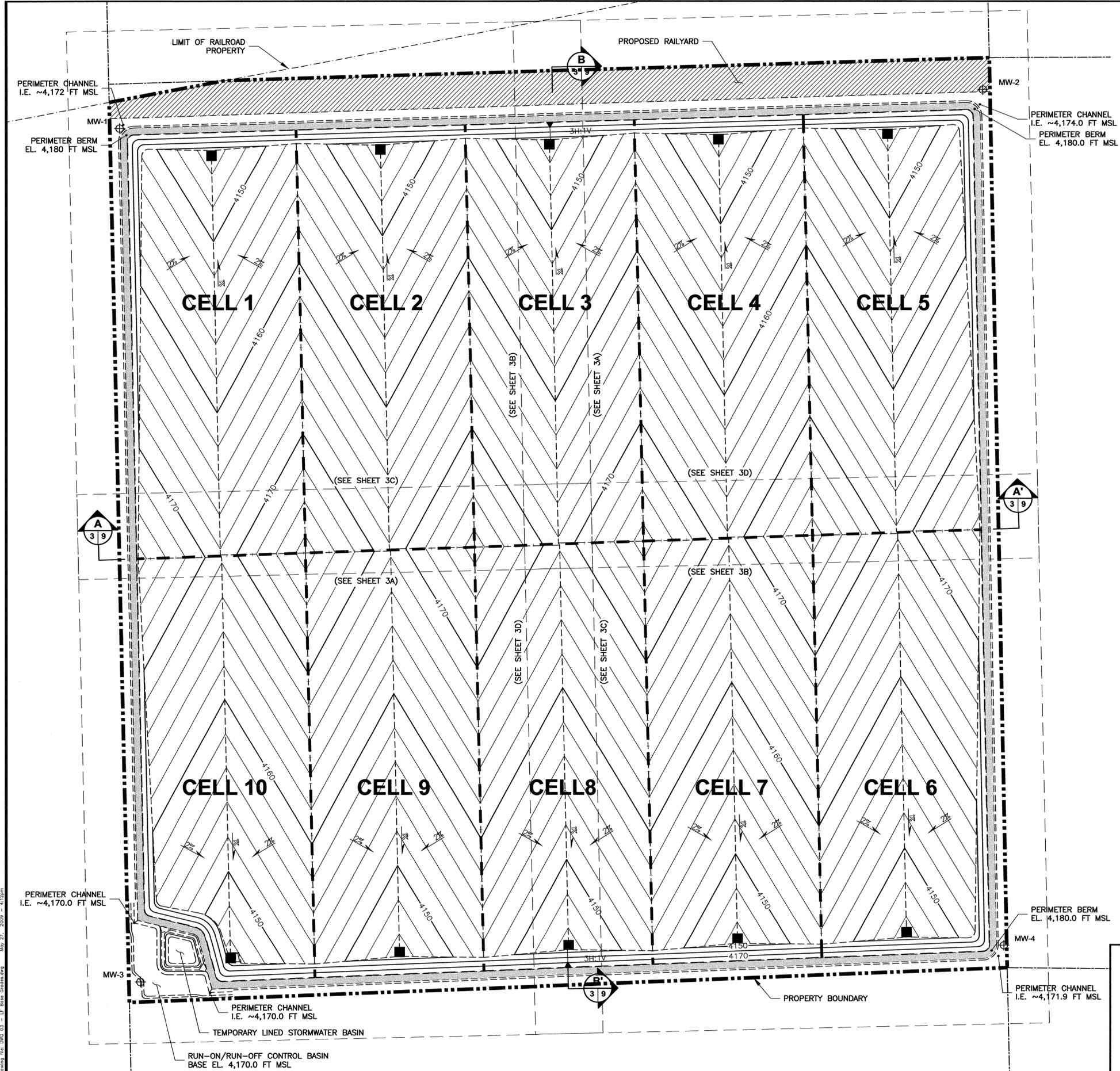
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**SITE PLAN**

	PROJECT	No. 063-7079-100	FILE No.	DWG 02 - Site Plan
	DESIGN	KGH	10/01/07	SCALE AS SHOWN
	CADD	JDR	03/05/08	REV. A
	CHECK	KGH	03/05/08	<b>2</b>
REVIEW	REK	03/08/08		

Drawing File: DWG 02 - Site Plan.dwg May 27, 2008 - 4:08pm



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- LEACHATE SUMP LOCATION
- APPROXIMATE LOCATION OF MONITORING WELLS
- PROPOSED RAILYARD

**DETAIL/SECTION DESIGNATION**

- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

**NOTE**

1. MINIMUM BASE GRADE IN SUMPS TO PROVIDE A MINIMUM OF 25 FEET OF SEPARATION BETWEEN REFUSE AND GROUNDWATER.

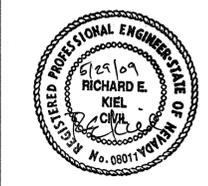
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
05/29/09	KGH		ADD RUN-ON/RUN-OFF CONTROL BASIN			
03/11/08	KDH		ISSUED FOR PERMITTING		DBS	KGH
						REK

PROJECT

**JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE

**LANDFILL BASE GRADING PLAN**

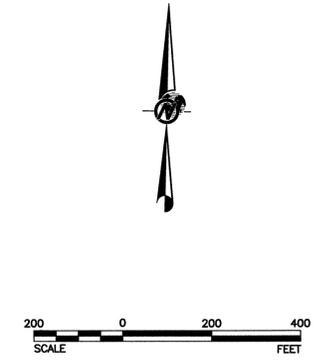
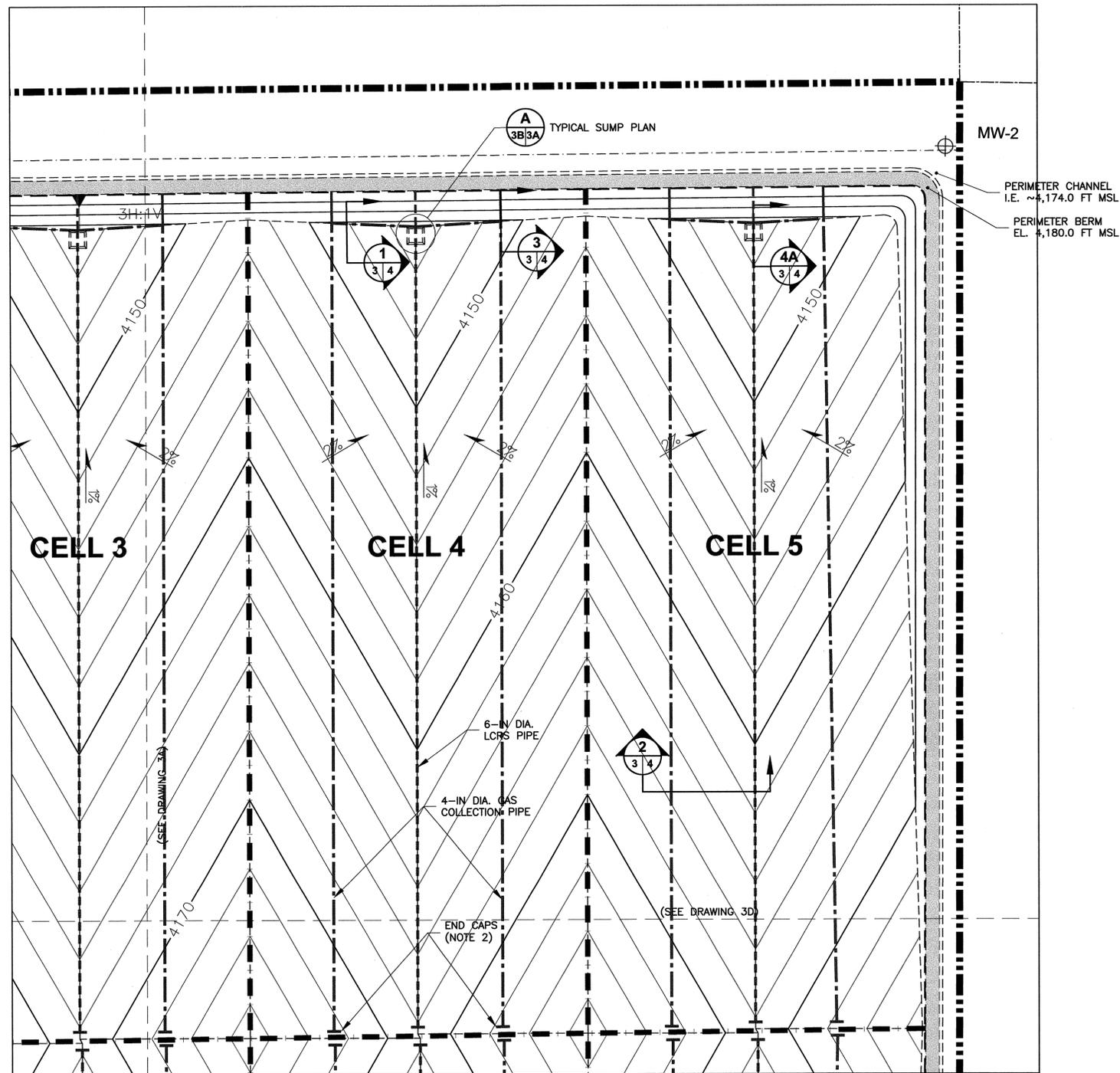


PROJECT	No. 063-7079-100	FILE No. DWG 03 - LF Base Grades
DESIGN	KGH	10/01/07
CADD	JDR	03/05/08
CHECK	KGH	03/06/08
REVIEW	REK	03/08/08
		SCALE AS SHOWN
		REV. B
		<b>3</b>



Printing file: DWG 03 - LF Base Grades.dwg    May 27, 2009 - 4:12pm





**LEGEND**

- PROPERTY BOUNDARY
- - - LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- 6-INCH LCRS PIPE
- 4-INCH GAS COLLECTION PIPE
- ⊕ MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- ⊞ LEACHATE SUMP LOCATION
- ⊙ DETAIL/SECTION DESIGNATION
- ⊙ DRAWING WHERE SECTION/DETAIL IS LOCATED
- ⊙ DRAWING WHERE SECTION/DETAIL IS REFERENCED

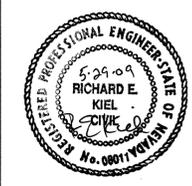
**NOTES**

1. MINIMUM BASE GRADE IN SUMPS TO PROVIDE A MINIMUM OF 25 FEET OF SEPARATION BETWEEN REFUSE AND GROUNDWATER.
2. END CAPS NOT TO SCALE FOR CLARITY.

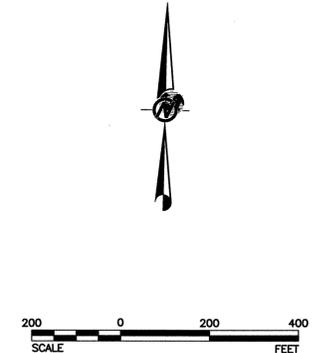
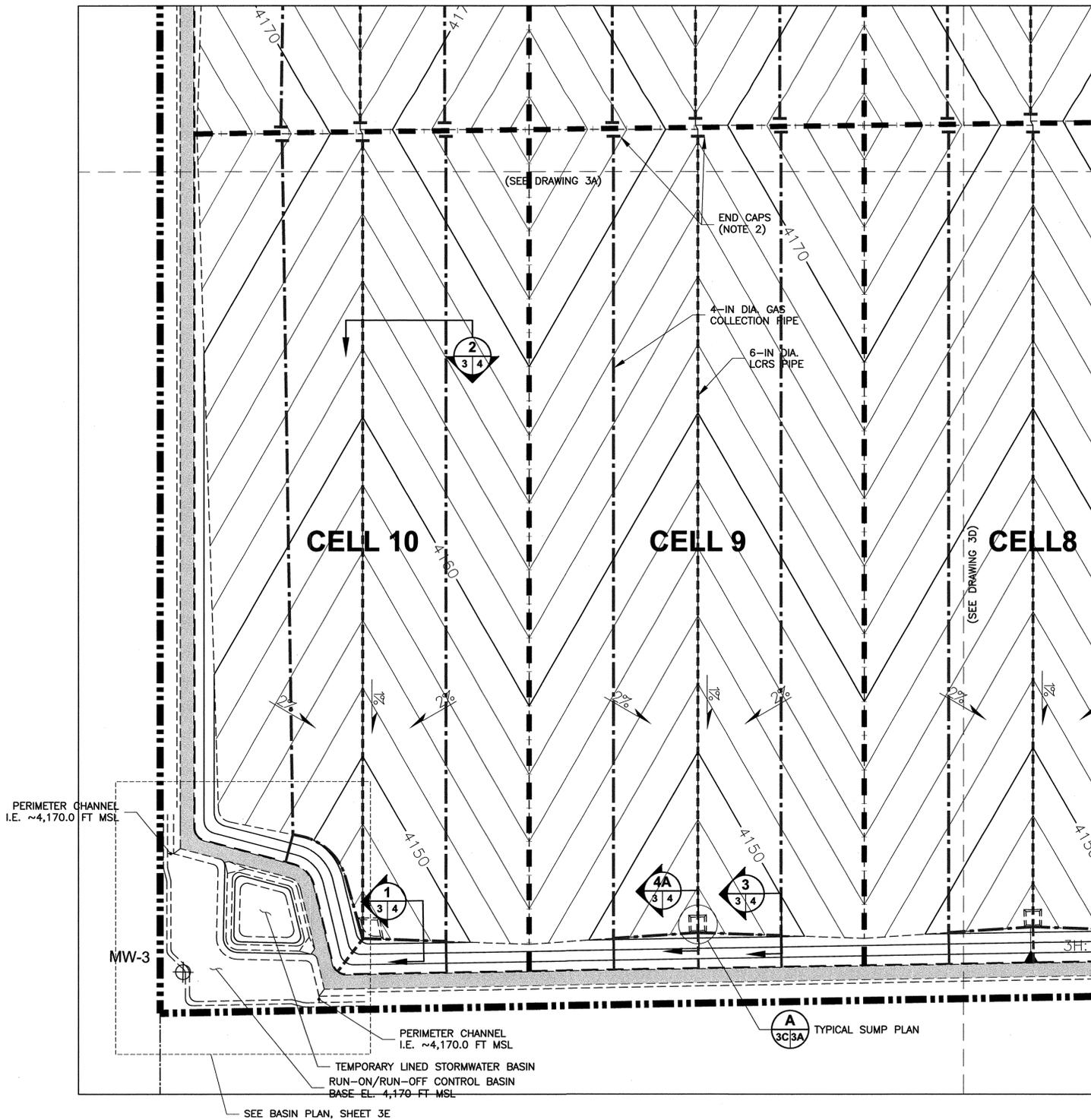
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
05/29/09	KGH		UPDATE DETAIL NUMBERS			KGH
03/11/08	KDH		ISSUED FOR PERMITTING		DBS	KGH REK

PROJECT  
**JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**BASE GRADING PLAN,  
1-IN = 200-FT, 2 OF 4**



DESIGN	KGH	10/01/07	FILE No. DWG 03 - LF Base Grades
CADD	JDR	03/05/08	SCALE AS SHOWN REV. B
CHECK	KGH	03/06/08	<b>3B</b>
REVIEW	REK	03/08/08	



**LEGEND**

- PROPERTY BOUNDARY
- - - LIMIT OF LANDFILL
- - - LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- 6-INCH LCRS PIPE
- 4-INCH GAS COLLECTION PIPE
- ⊕ MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- LEACHATE SUMP LOCATION
- ⊕ DETAIL/SECTION DESIGNATION
- ⊕ DRAWING WHERE SECTION/DETAIL IS REFERENCED

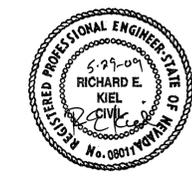
**NOTES**

1. MINIMUM BASE GRADE IN SUMPS TO PROVIDE A MINIMUM OF 25 FEET OF SEPARATION BETWEEN REFUSE AND GROUNDWATER.
2. END CAPS NOT TO SCALE FOR CLARITY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWW
Δ	05/29/09	KGH	ADD RUN-ON/RUN-OFF CONTROL BASIN			
Δ	03/11/08	KDH	ISSUED FOR PERMITTING	DBS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

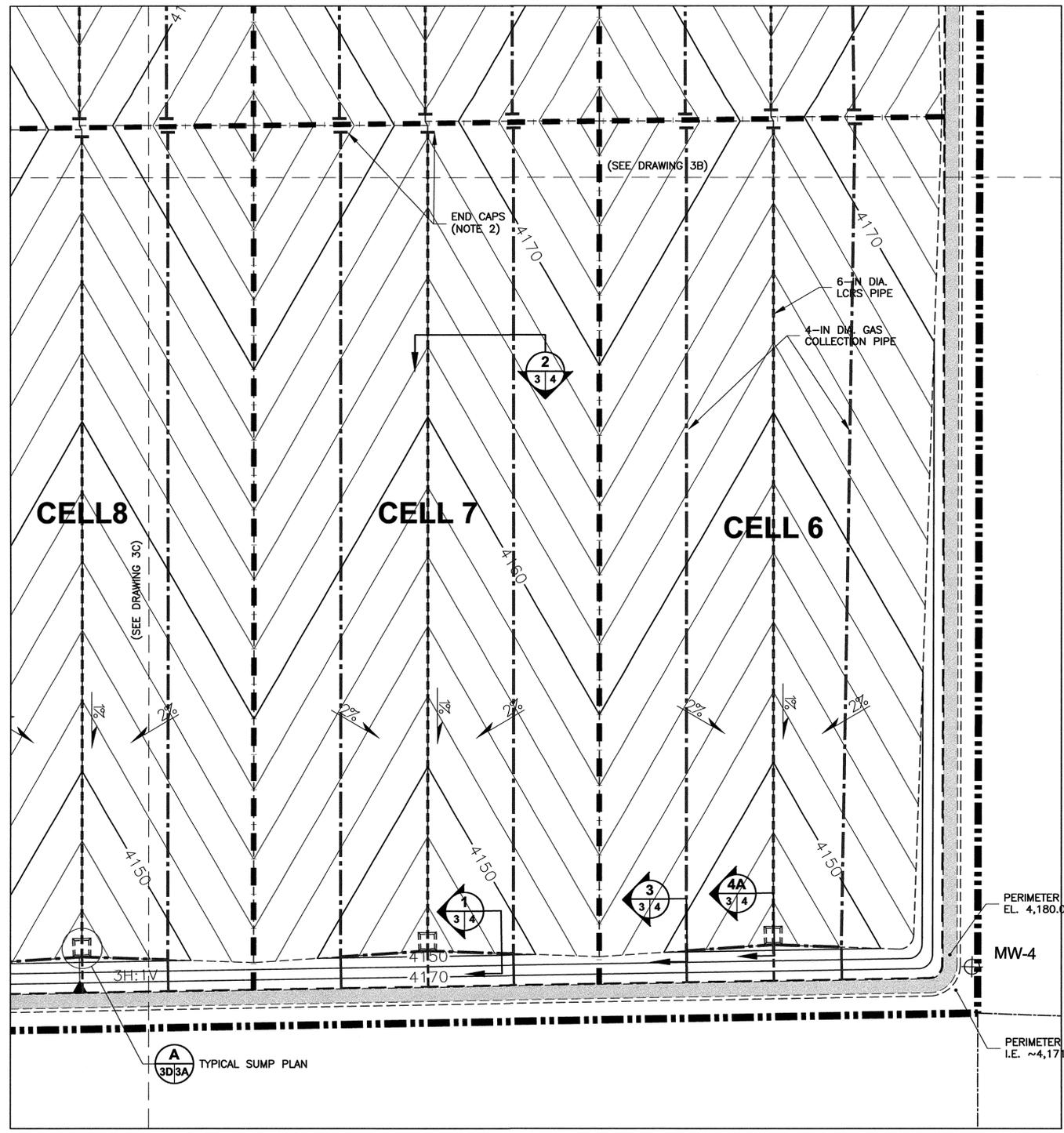
TITLE  
**BASE GRADING PLAN,  
 1-IN = 200-FT, 3 OF 4**



	PROJECT	No. 063-7079-100	FILE No. DWG 03 - LF Base Grades
	DESIGN	KGH 10/01/07	SCALE AS SHOWN
	CADD	JDR 03/05/08	REV. B
	CHECK	KGH 03/06/08	
	REVIEW	REK 03/08/08	

**3C**

Drawing file: DWG 03 - LF Base Grades.dwg  
 May 27, 2009 - 4:15pm



**LEGEND**

- PROPERTY BOUNDARY
- - - - - LIMIT OF LANDFILL
- - - - - LIMIT OF LANDFILL CELL
- ===== TOP OF PERIMETER BERM
- 6-INCH LCRS PIPE
- 4-INCH GAS COLLECTION PIPE
- ⊕ MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- ⌌ LEACHATE SUMP LOCATION
- ⊕ A/3/6 DETAIL/SECTION DESIGNATION
- ⊕ A/3/6 DRAWING WHERE SECTION/DETAIL IS LOCATED
- ⊕ A/3/6 DRAWING WHERE SECTION/DETAIL IS REFERENCED

**NOTES**

1. MINIMUM BASE GRADE IN SUMPS TO PROVIDE A MINIMUM OF 25 FEET OF SEPARATION BETWEEN REFUSE AND GROUNDWATER.
2. END CAPS NOT TO SCALE FOR CLARITY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
Δ	05/29/09	KGH	UPDATE DETAIL NUMBERS			KGH
Δ	03/11/08	KDH	ISSUED FOR PERMITTING		DBS	KGH REK

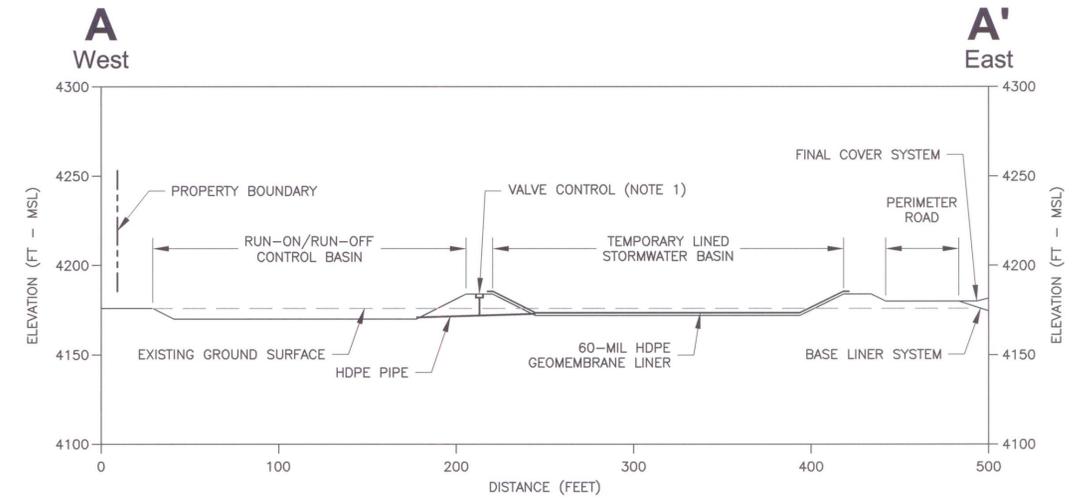
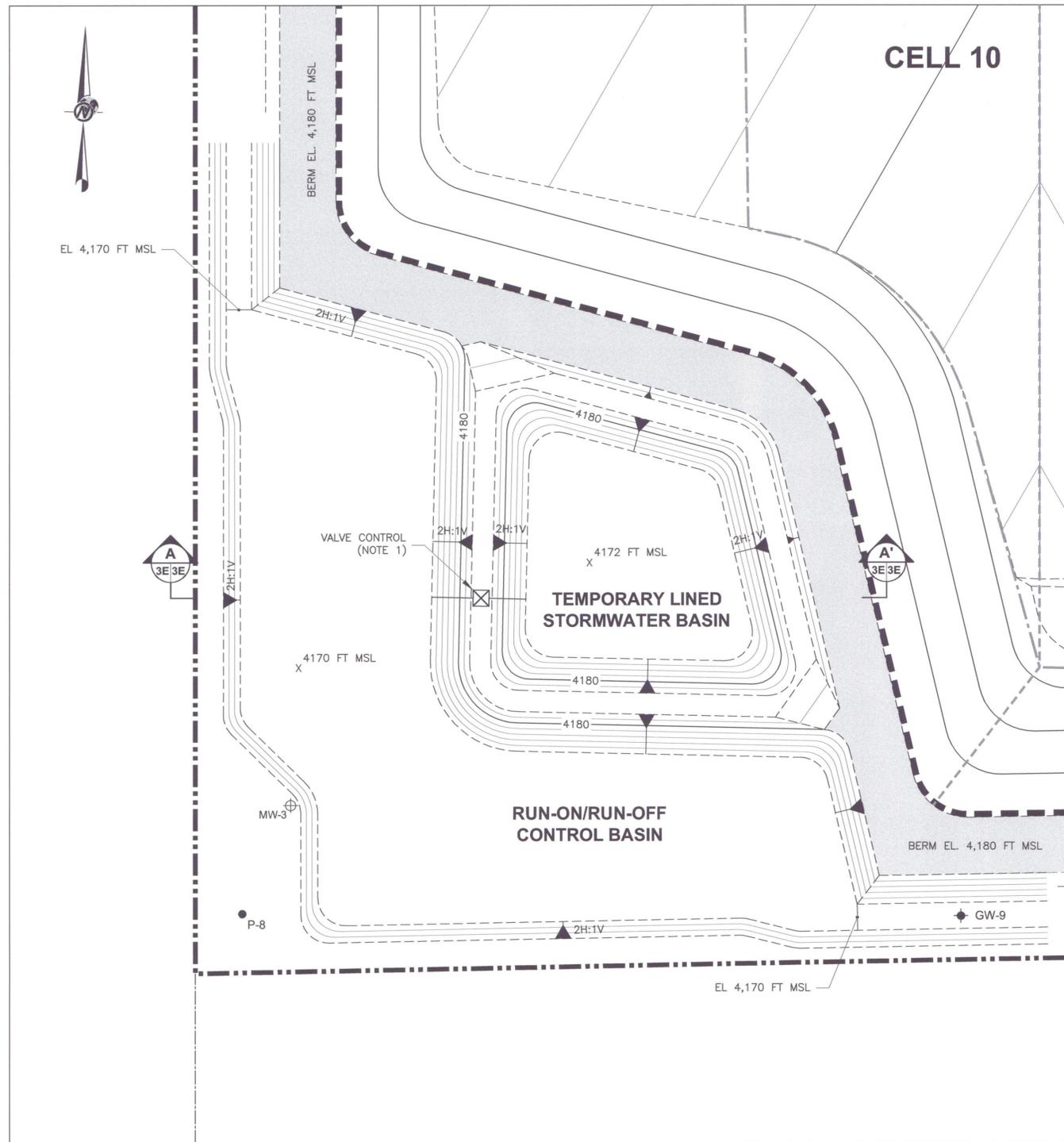
PROJECT  
**JUNGO ROAD LANDFIL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**BASE GRADING PLAN,**  
**1-IN = 200-FT, 4 OF 4**



PROJECT No. 063-7079-100		FILE No. DWG 03 - LF Base Grades	
DESIGN	KGH	10/01/07	SCALE AS SHOWN
CADD	JDR	03/05/08	REV. B
CHECK	KGH	03/06/08	<b>3D</b>
REVIEW	REK	03/08/08	

Drawing File: 0603-03 - LF Base Grades.dwg    May 27, 2009 - 4:15pm



**A**  
3E3E  
**BASIN PROFILE SECTION**  
50 0 50  
HORI. & VERT. SCALE FEET

**LEGEND**

- PROPERTY BOUNDARY
- - - - - LIMIT OF LANDFILL
- - - - - LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- 6-INCH LCRS PIPE
- 4-INCH GAS COLLECTION PIPE
- P-1 GAS PROBE LOCATION AND ID
- ◆ GW-13 FINAL MONITORING WELL LOCATION
- ⊕ MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- ☐ LEACHATE SUMP LOCATION
- A 3 6 ○ DETAIL/SECTION DESIGNATION
- A 3 6 ○ DRAWING WHERE SECTION/DETAIL IS LOCATED
- A 3 6 ○ DRAWING WHERE SECTION/DETAIL IS REFERENCED

**NOTES**

1. VALVE ALLOWS WATER TO DRAIN WATER FROM TEMPORARY LINED STORMWATER BASIN TO RUN-ON/RUN-OFF CONTROL BASIN.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	5/29/09	KGH	ADD BASIN PLAN SHEET	DBS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**



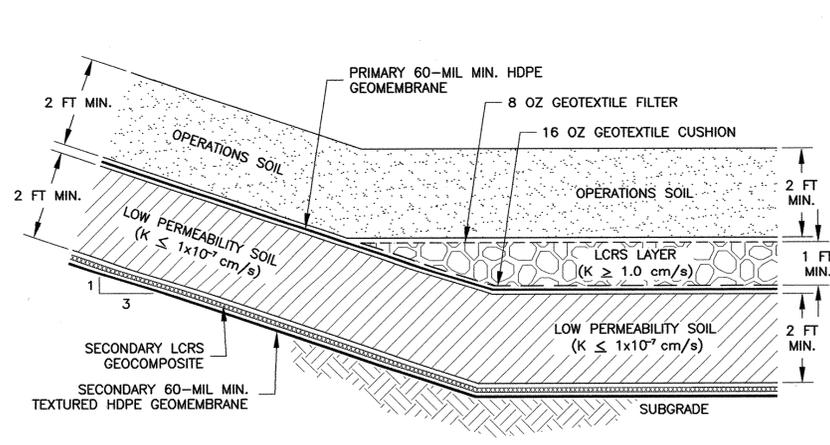
TITLE  
**BASIN PLAN**

PROJECT No. 063-7079-100		FILE No. DWG 03 - LG Base Grades	
DESIGN	KGH	05/29/09	SCALE AS SHOWN REV. D
CADD	JDR	05/29/09	
CHECK	KGH	05/29/09	
REVIEW	REK	05/29/09	

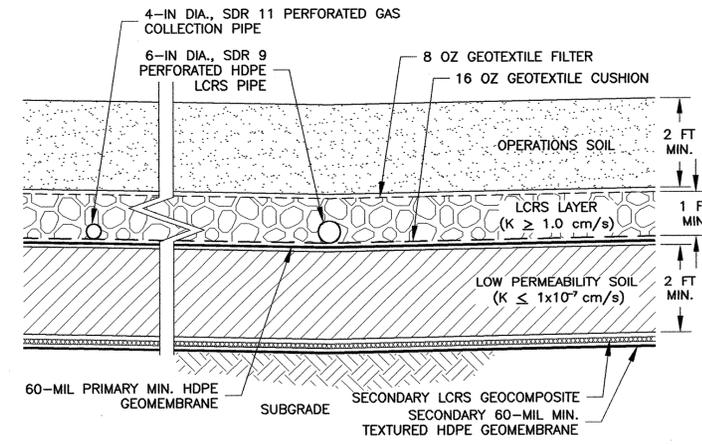
**3E**



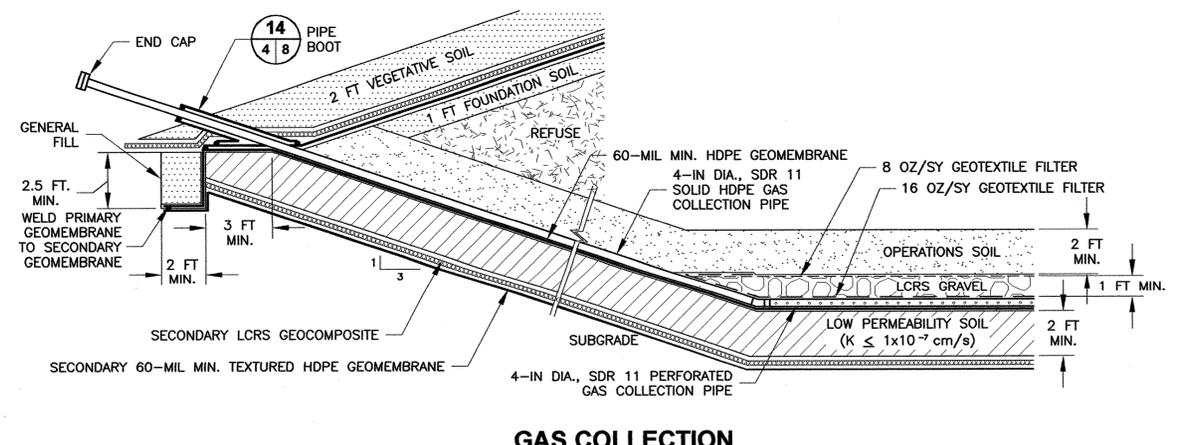
Drawing file: 0637079-03-03-LG\_Base\_Grades.dwg Mar 30, 2011 10:43am



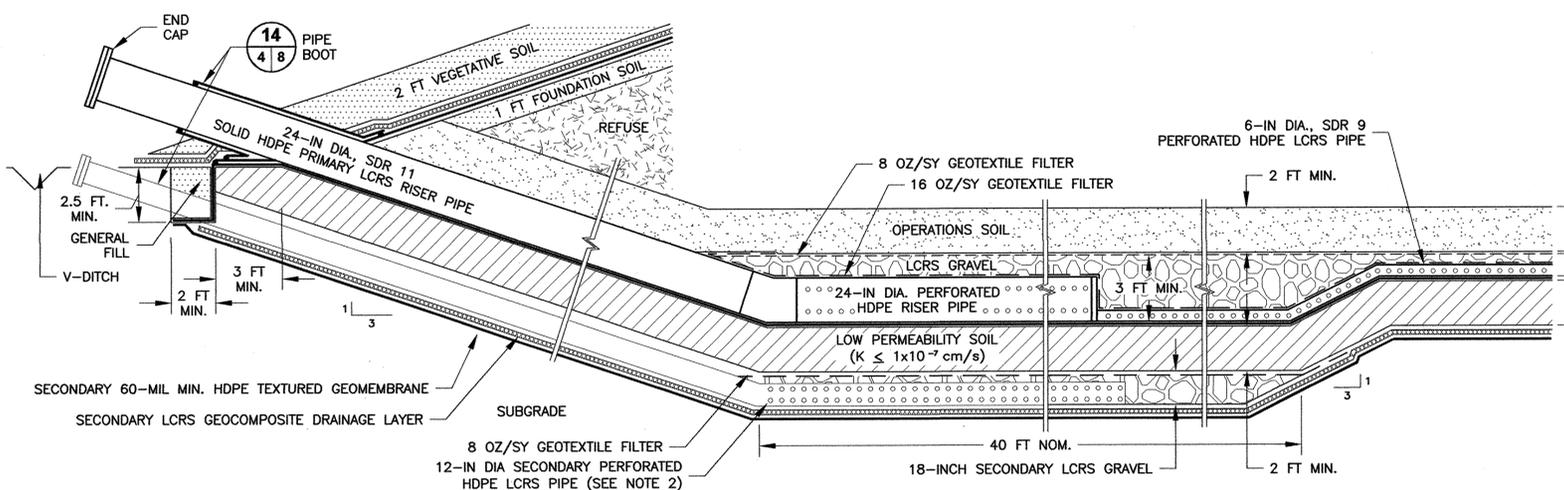
**1 LINER SYSTEM DETAIL**  
3 4  
SCALE 0 2 FEET



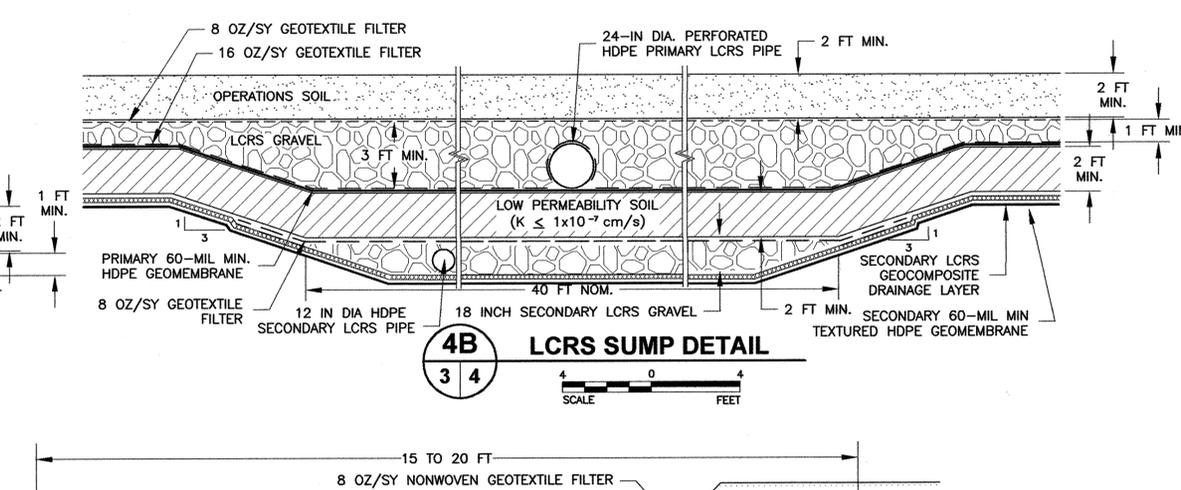
**2 PIPING DETAIL**  
3 4  
SCALE 0 2 FEET



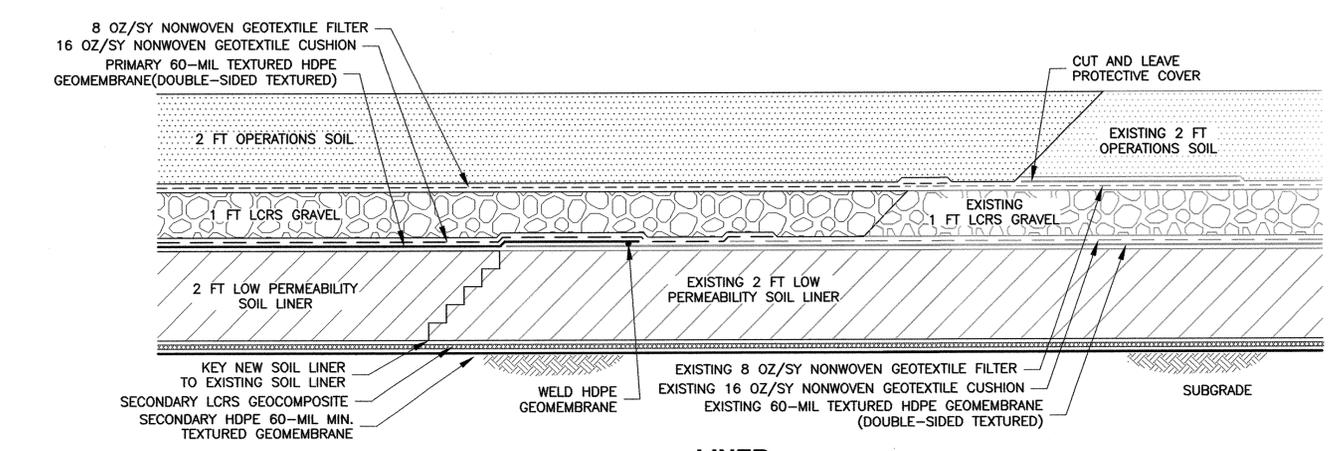
**3 GAS COLLECTION PIPING DETAIL**  
3 4  
SCALE 0 4 FEET



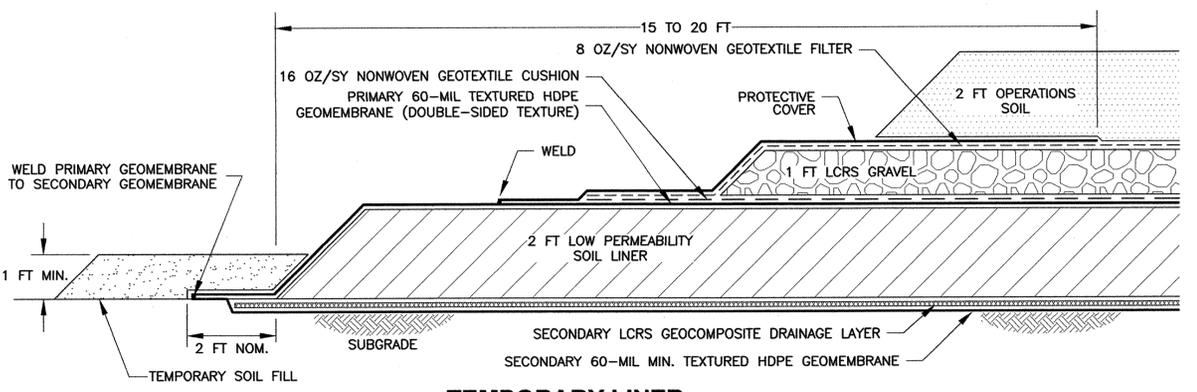
**4A LCRS SUMP DETAIL**  
3 4  
SCALE 0 4 FEET



**4B LCRS SUMP DETAIL**  
3 4  
SCALE 0 4 FEET



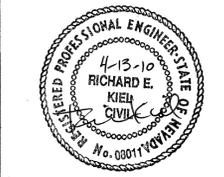
**6 LINER TIE-IN/CONTINUATION**  
11 4  
SCALE 0 2 FEET



**5 TEMPORARY LINER TERMINATION**  
10 4  
SCALE 0 2 FEET

**NOTES**  
1. GEOSYNTHETICS NOT TO SCALE FOR CLARITY.  
2. SECONDARY LCRS PIPE LOCATED APPROXIMATELY 10 FEET FROM PRIMARY LCRS PIPE AS SHOWN IN PLAN VIEW ON DRAWING 3A, DETAIL A.

**LEGEND**  
2% GRADE INDICATOR  
1/2 SLOPE INDICATOR  
5/4 DETAIL/SECTION DESIGNATION  
DRAWING WHERE DETAIL/SECTION IS REFERENCED  
DRAWING WHERE DETAIL/SECTION IS LOCATED



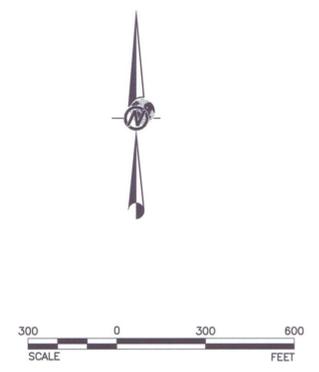
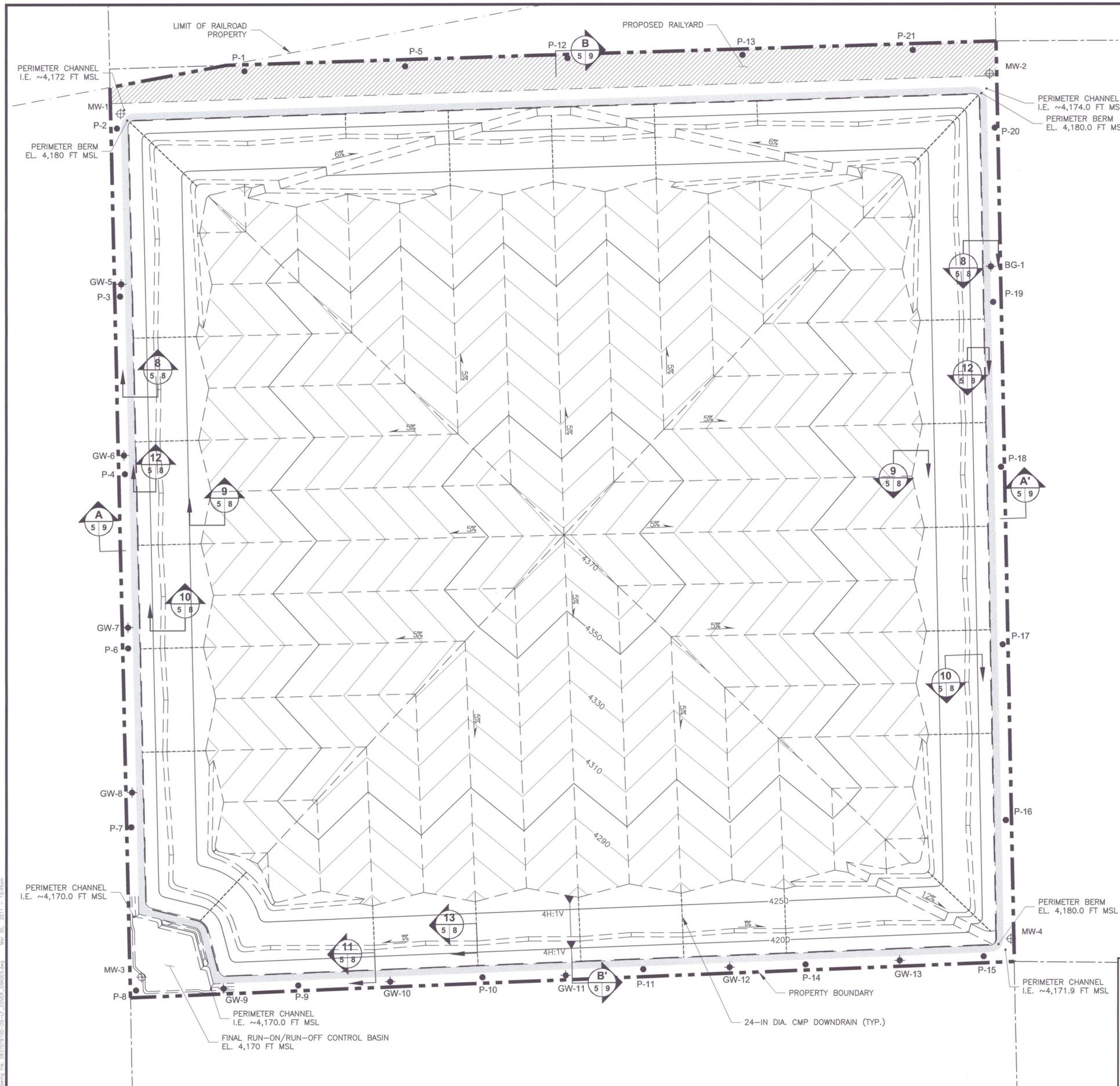
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	R/W
04/12/10	KGH		ADD SECONDARY LCRS/LINER	RJS	KGH	REK
05/29/09	KGH		ADD SUMP DETAIL	RJS	KGH	REK
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT: **JUNGO ROAD LANDFILL WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE: **LINER AND LCRS DETAILS**

DESIGN	KGH	10/01/07	PROJECT No. 063-7079-100	FILE No. 04 - Liner LCRS Detail
CADD	JDR	03/05/08	SCALE AS SHOWN	REV. C
CHECK	KGH	03/06/08	<b>4</b>	
REVIEW	REK	03/08/08		

**Golder Associates**  
Sacramento, CA



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- TOP OF PERIMETER BERM
- CMP DOWNDRAIN
- MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- P-16 GAS PROBE AND LOCATION ID
- GW-13 FINAL MONITORING WELL LOCATION
- DRAWING WHERE SECTION/DETAIL IS REFERENCED
- DRAWING WHERE SECTION/DETAIL IS LOCATED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	R/W
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	ADD RUN-ON/RUN-OFF BASIN	DBS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	DBS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

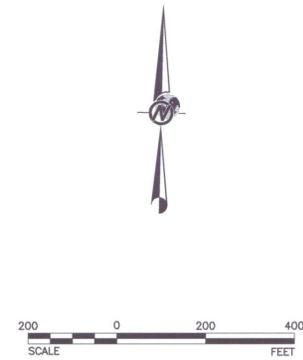
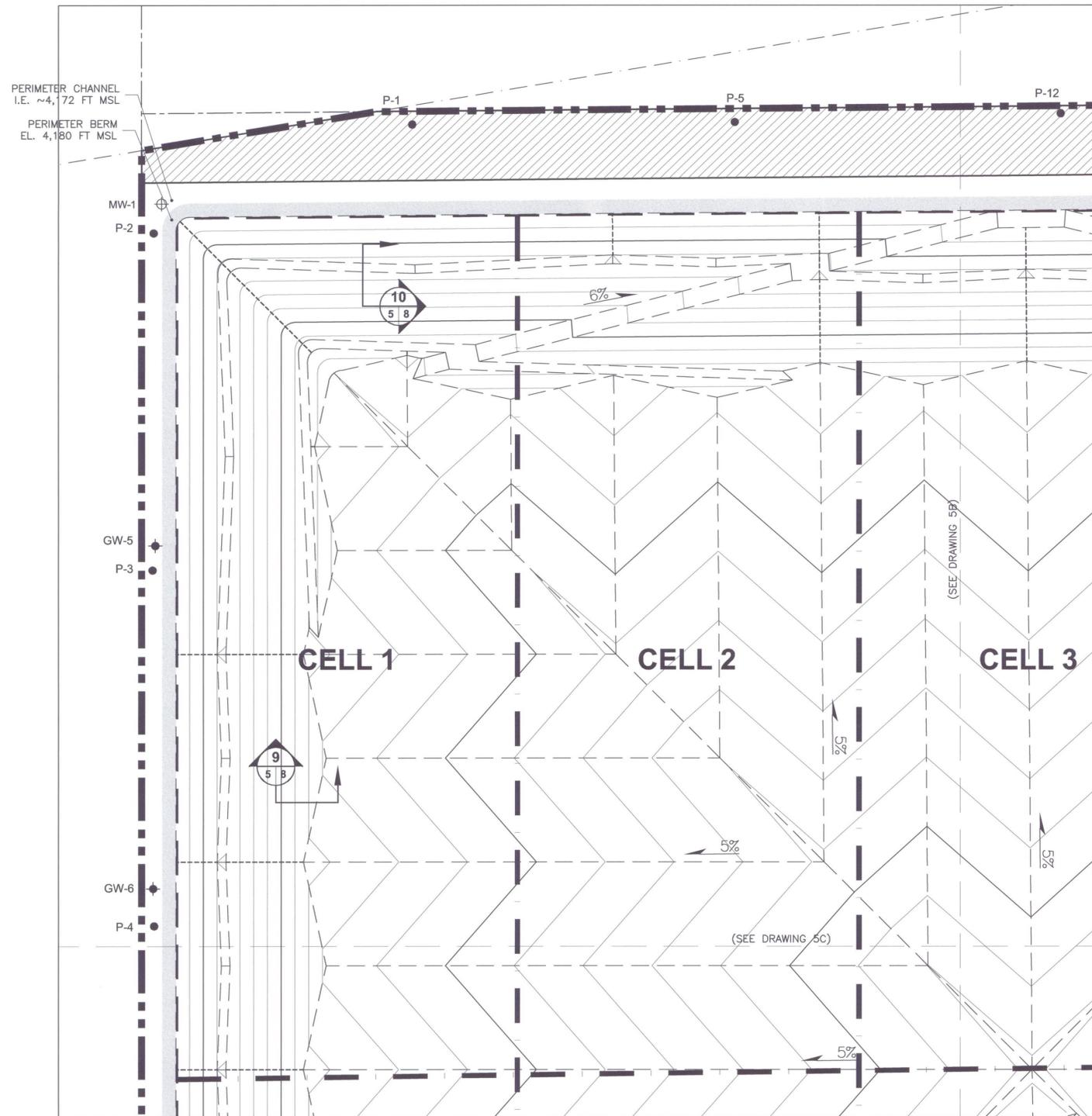
TITLE  
**FINAL COVER GRADING PLAN**

PROJECT No. 063-7079-100	FILE No. DWG 05 - LF Cover Grades
DESIGN KGH 10/01/07	SCALE AS SHOWN REV. D
CADD JDR 03/05/08	
CHECK KGH 03/06/08	
REVIEW REK 03/08/08	

5



Drawing File: \\0637079-100-05-LF COVER.dwg Rev: 05, 2011, 10:45am

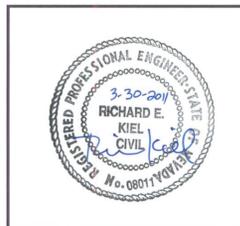


**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- P-16 GAS PROBE AND LOCATION ID
- GW-13 FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	ADDED 200 SCALE DRAWING	DBS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

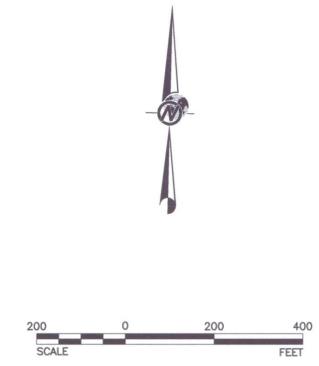
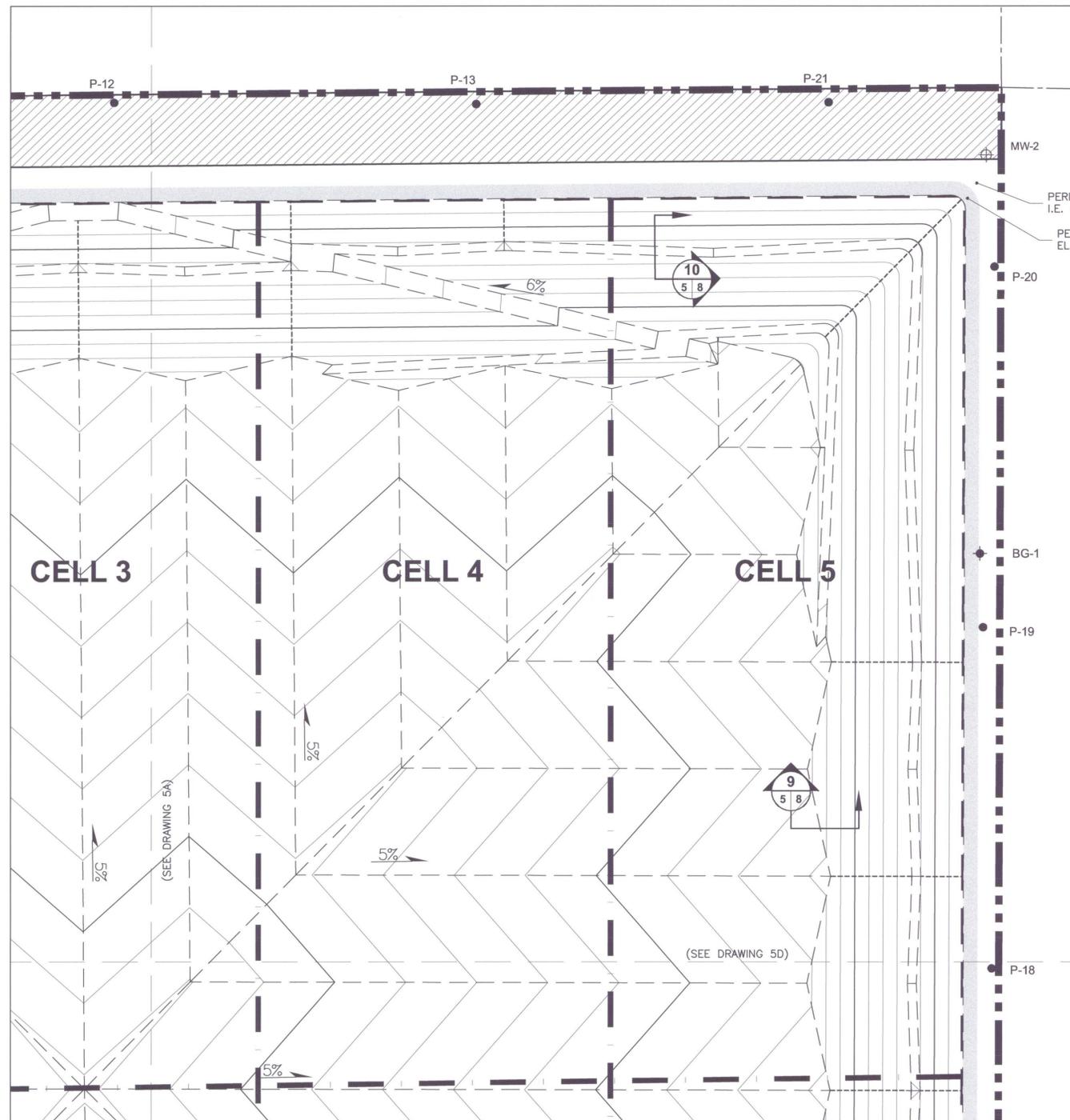


TITLE  
**FINAL COVER GRADING PLAN,  
 1-IN = 200-FT, 1 OF 4**

	PROJECT	No. 063-7079-100	FILE No. DWG 05 - LF Cover Grades
	DESIGN	KGH 10/01/07	SCALE AS SHOWN REV. D
	CADD	JDR 03/05/08	
	CHECK	KGH 03/06/08	
REVIEW	REK 03/08/08		

**5A**

Drawing File: 0837079-05-05-LF\_COVER\_GRADES.dwg Plot: 30\_2011\_1024.dwg



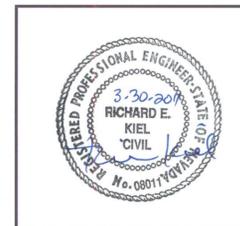
**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- P-16 GAS PROBE AND LOCATION ID
- GW-13 FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
03/25/11	KGH		ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
5/29/09	KGH		ADDED 200 SCALE DRAWING	DBS	KGH	REK

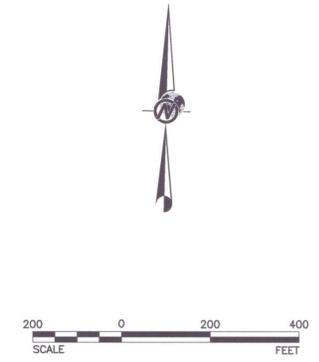
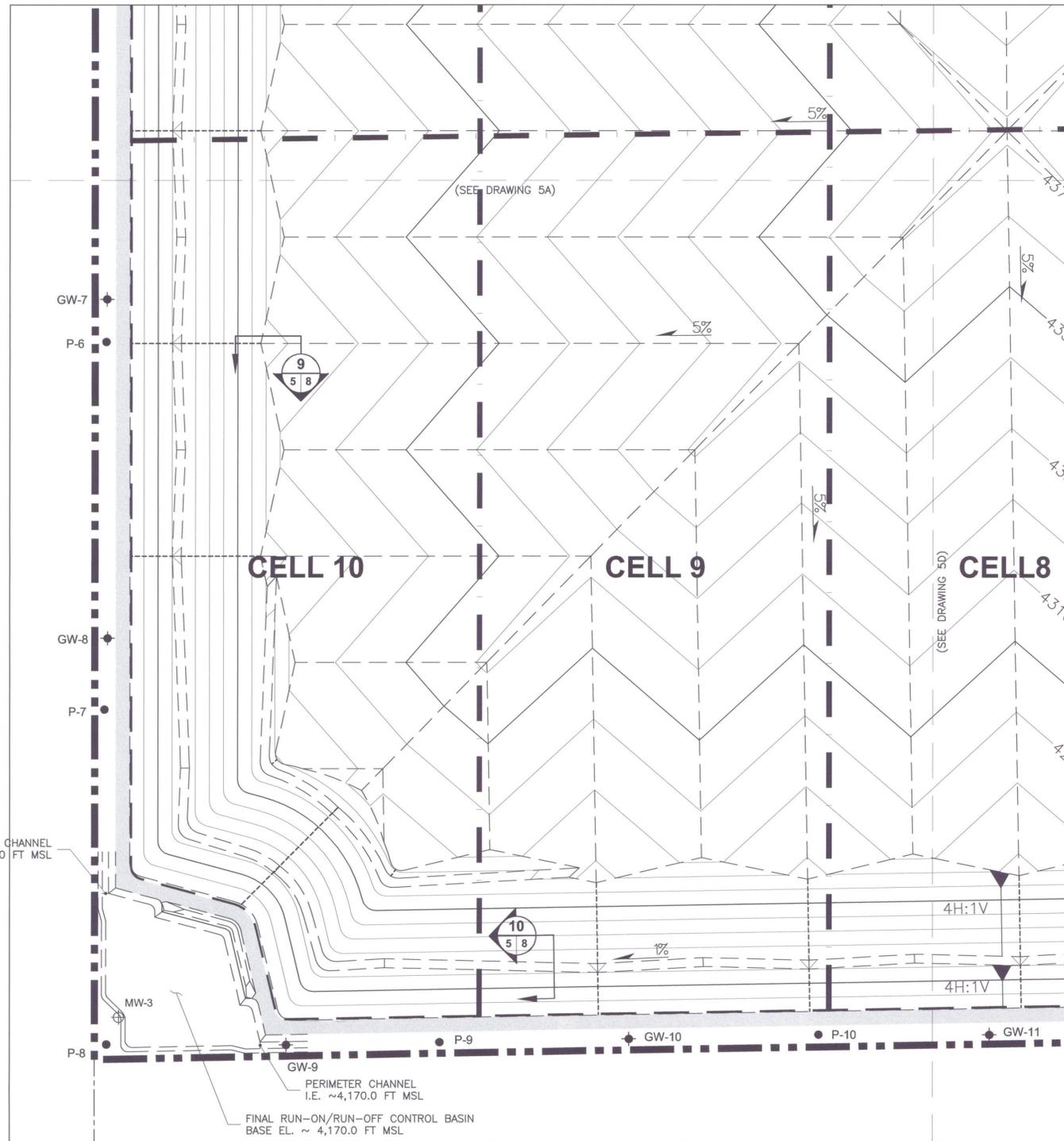
PROJECT  
**JUNGO ROAD LANDFILL**  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA

TITLE  
**FINAL COVER GRADING PLAN,**  
**1-IN = 200-FT, 2 OF 4**



DESIGN	KGH	10/01/07	PROJECT No. 063-7079-100	FILE No. DWG 05 - LF Cover Grades
CADD	JDR	03/05/08	SCALE AS SHOWN	REV. D
CHECK	KGH	03/06/08	<b>5B</b>	
REVIEW	REK	03/08/08		

Drawing file: 0837079100-05-02-LF\_COVER\_05A.dwg, Nov 30, 2011, 10:55am



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- P-16 GAS PROBE AND LOCATION ID
- GW-13 FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
03/25/11	KGH		ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
5/29/09	KGH		ADDED 200 SCALE DRAWING	DBS	KGH	REK

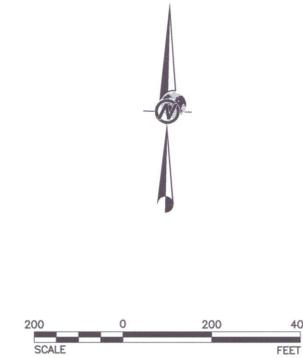
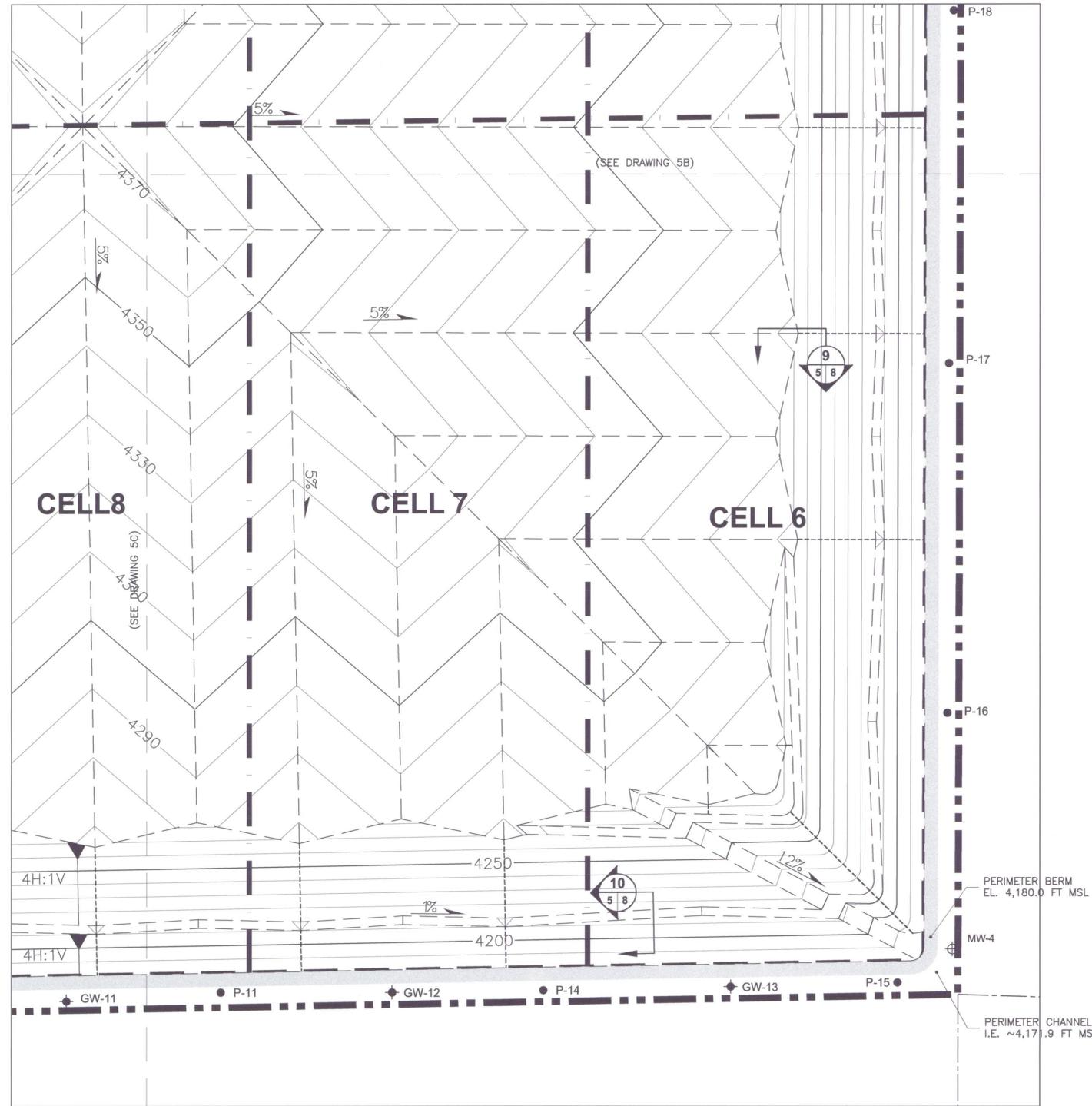
PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**FINAL COVER GRADING PLAN,**  
**1-IN = 200-FT, 3 OF 4**



PROJECT	No. 063-7079-100	FILE	No.DWG 05 - LF Cover Grades
DESIGN	KGH 10/01/07	SCALE	AS SHOWN REV. D
CADD	JDR 03/05/08		
CHECK	KGH 03/06/08		
REVIEW	REK 03/08/08		

**5C**



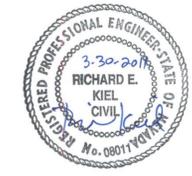
**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LANDFILL CELL
- TOP OF PERIMETER BERM
- APPROXIMATE LOCATION OF MONITORING WELLS
- GAS PROBE AND LOCATION ID
- FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
03/25/11	KGH		ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
5/29/09	KDH		ADDED 200 SCALE DRAWING	DBS	KGH	REK

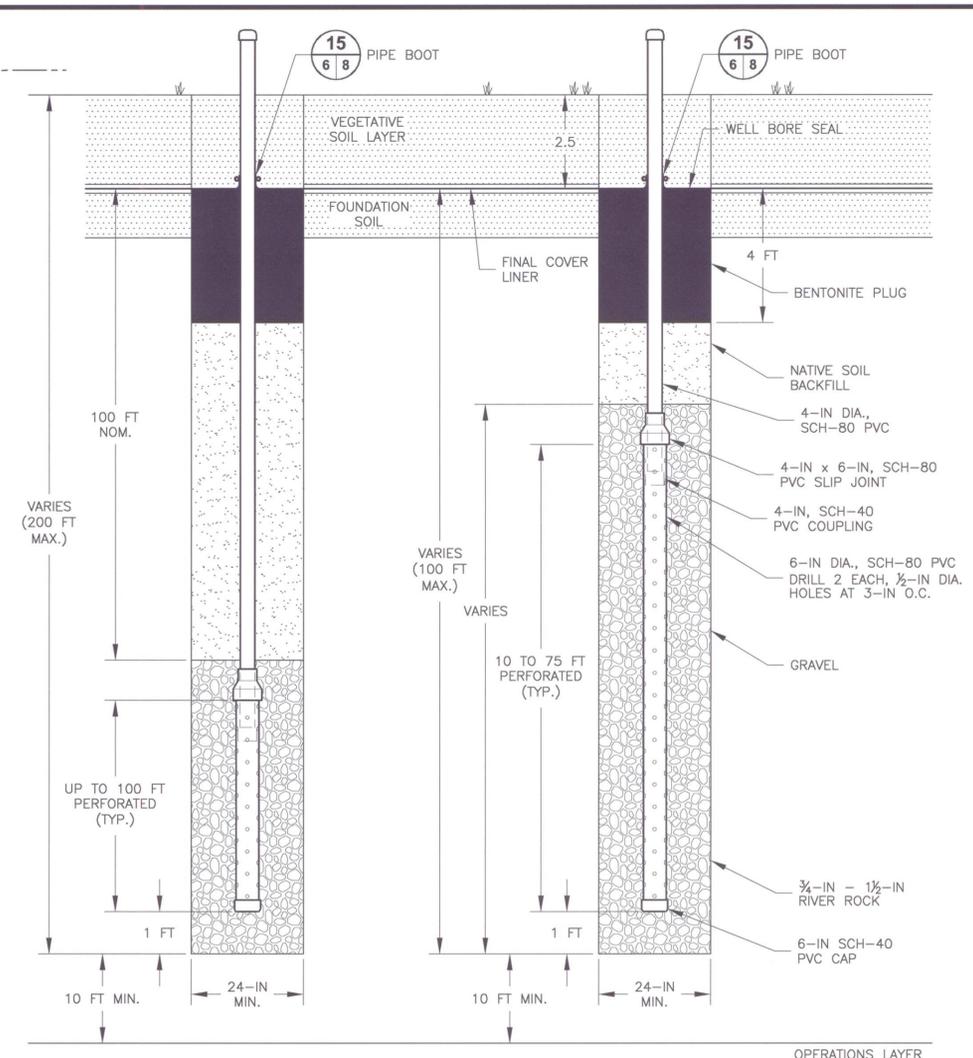
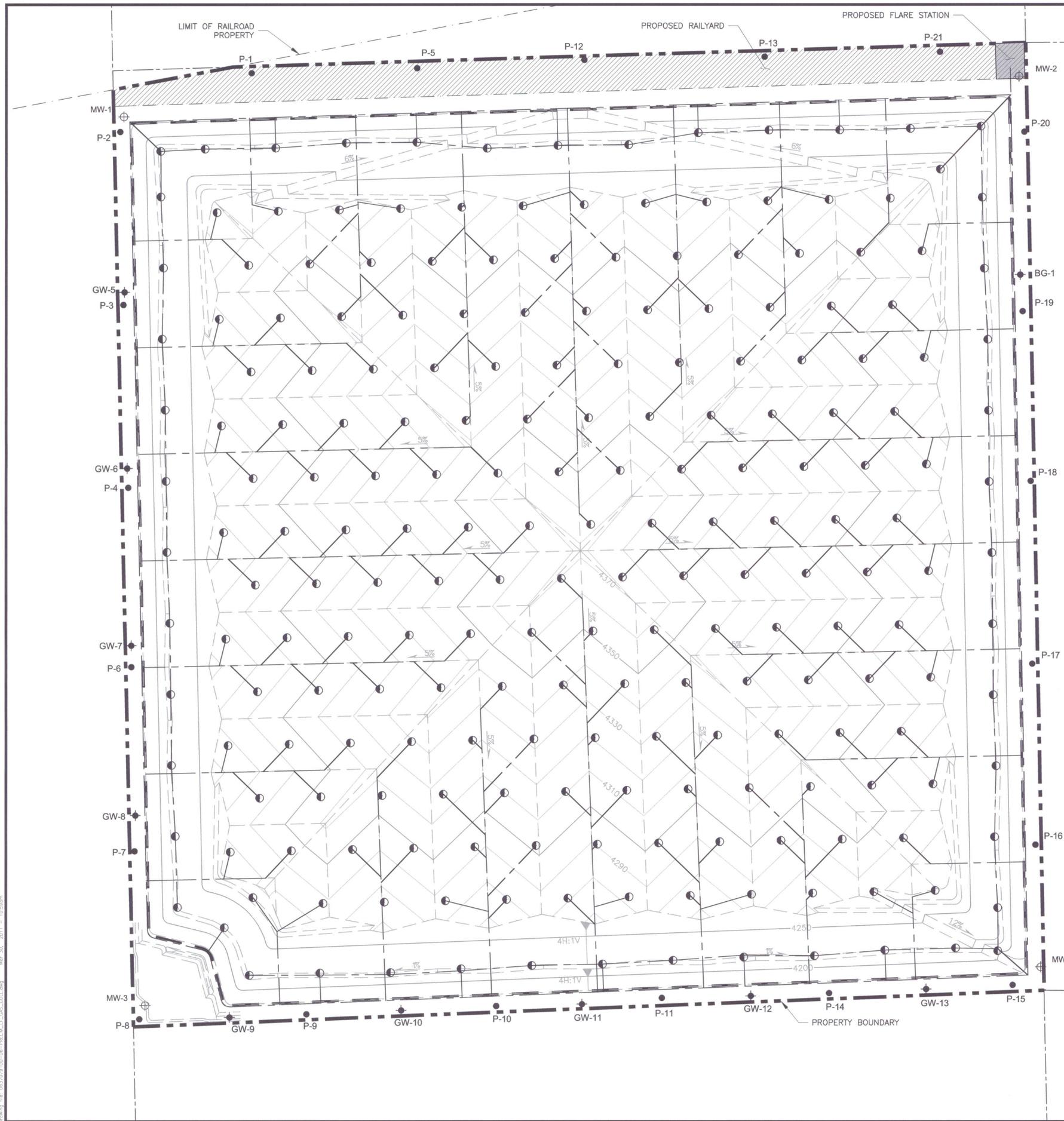
PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**FINAL COVER GRADING PLAN,**  
**1-IN = 200-FT, 4 OF 4**



 <b>Golder Associates</b> Sacramento, CA	PROJECT	No. 063-7079-100	FILE	No.DWG 05 - LF Cover Grades
	DESIGN	KGH	10/01/07	SCALE AS SHOWN
	CADD	JDR	03/05/08	REV. D
	CHECK	KGH	03/06/08	
REVIEW	REK	03/08/08		

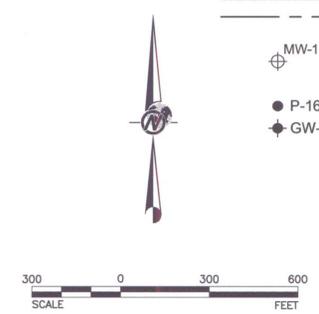
**5D**



**DEEP DEPTH** **SHALLOW TO MID DEPTH**  
**TYPICAL GAS COLLECTION WELLS**  
 (NOT TO SCALE)

**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- TOP OF PERIMETER BERM
- GAS PIPELINE
- APPROXIMATE LOCATION OF MONITORING WELLS
- GAS PROBE LOCATION AND ID
- FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

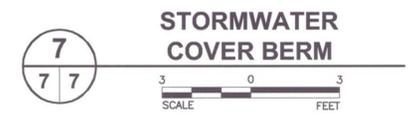
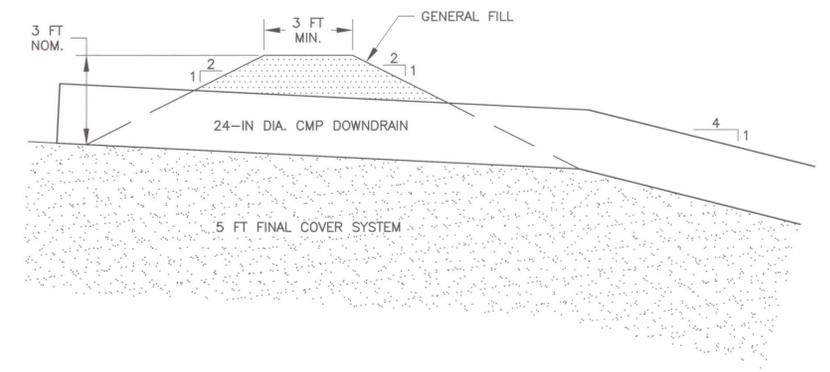
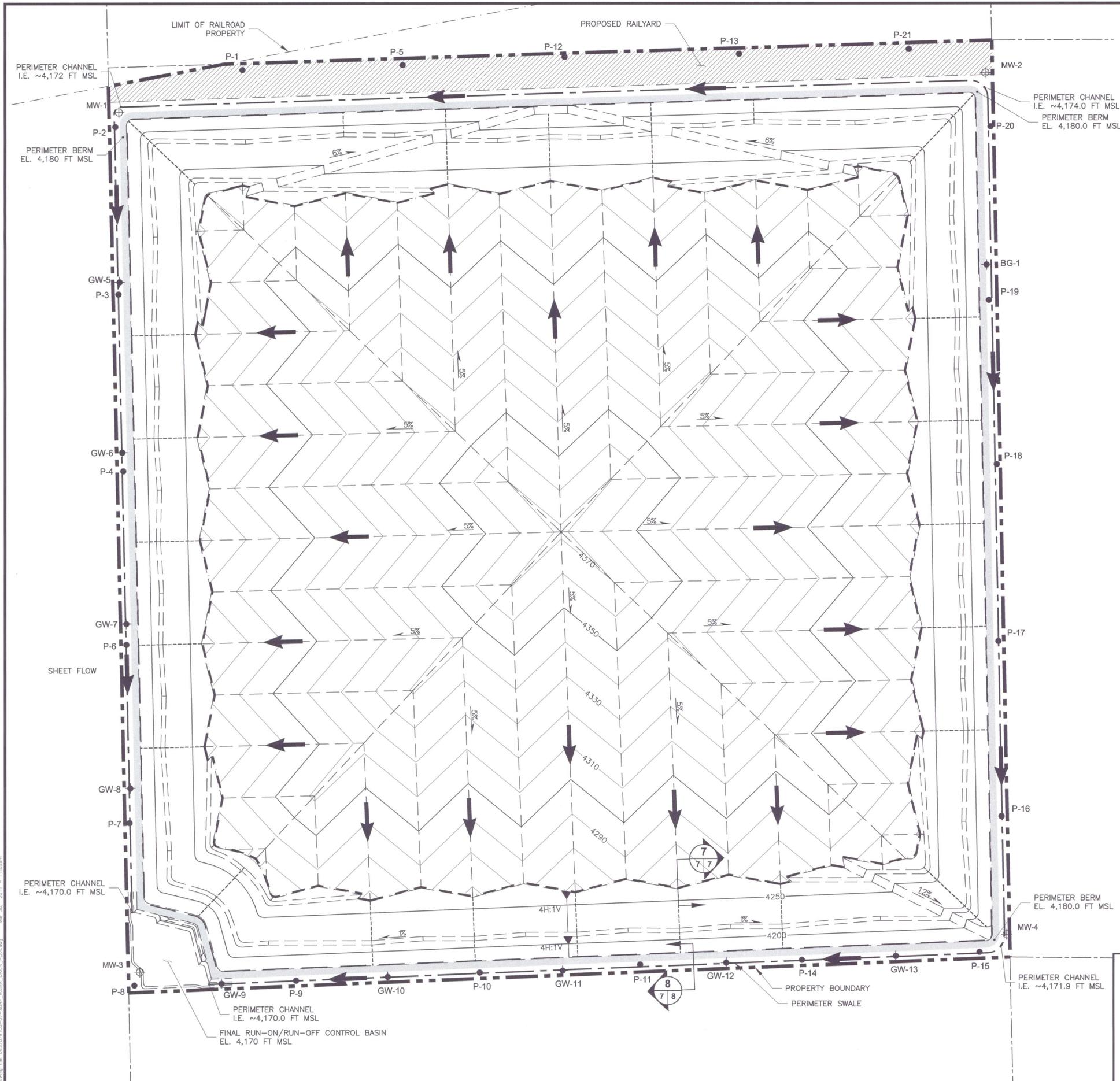


REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	ADD FINAL COVER AND BOOT CALLOUT TO WELL DETAIL	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**



PROJECT	No. 063-7079-100	FILE No. DWG 06 - Prelim LF Gas Coll
DESIGN	KGH 10/01/07	SCALE AS SHOWN   REV. D
CADD	JDR 03/05/08	
CHECK	KGH 03/06/08	
REVIEW	REK 03/08/08	



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- TOP OF PERIMETER BERM
- PERIMETER SWALE
- STORMWATER COVER BERM
- P-16 GAS PROBE LOCATION AND ID
- GW-13 FINAL MONITORING WELL LOCATION
- MW-1 24-IN DIA. CMP DOWN-DRAIN (TYP.)
- APPROXIMATE LOCATION OF MONITORING WELLS
- DRAINAGE PATTERN
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	UPDATE DETAIL NUMBERS	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

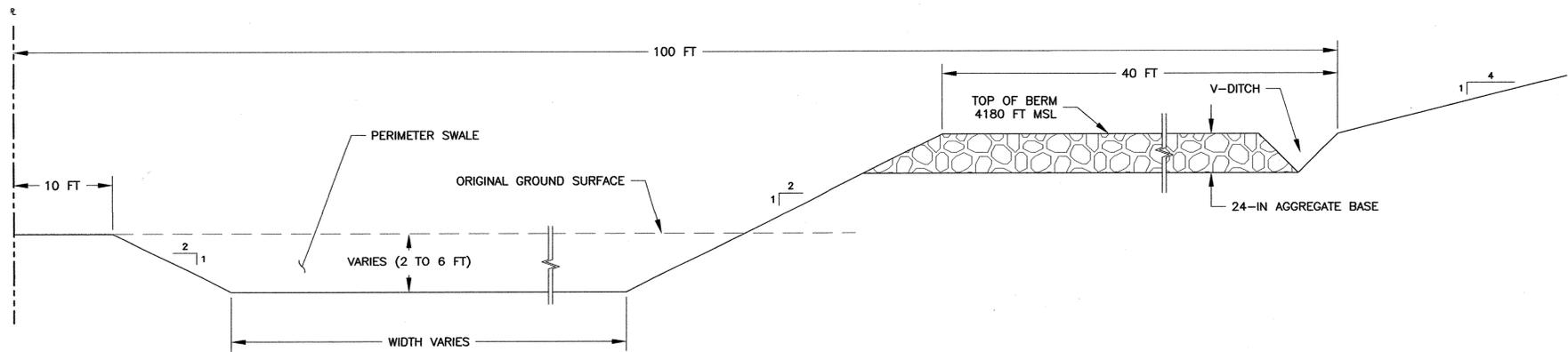
PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**SURFACE WATER DRAINAGE PLAN**

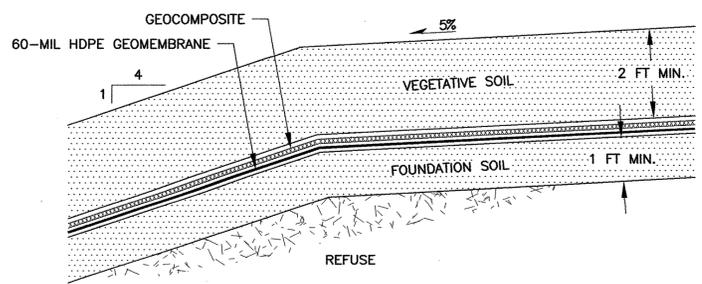


<p><b>Golder Associates</b> Sacramento, CA</p>	PROJECT No. 063-7079-100	FILE No. DWG 07 - Sur Water Drain Plans
	DESIGN KGH 10/01/07	SCALE AS SHOWN REV. D
	CADD JDR 03/05/08	
	CHECK KGH 03/06/08	
REVIEW REK 03/08/08		

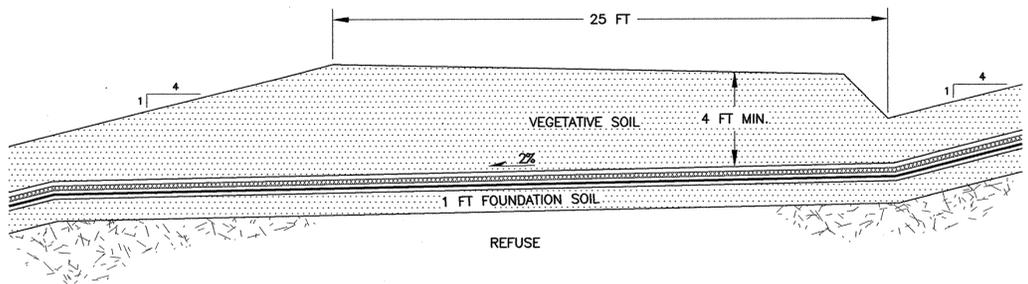
Drawing File: 0837079-002-DP-SURF-WATER-DRAIN-PLAN.rvt  
 Mar 30, 2011 - 11:05am



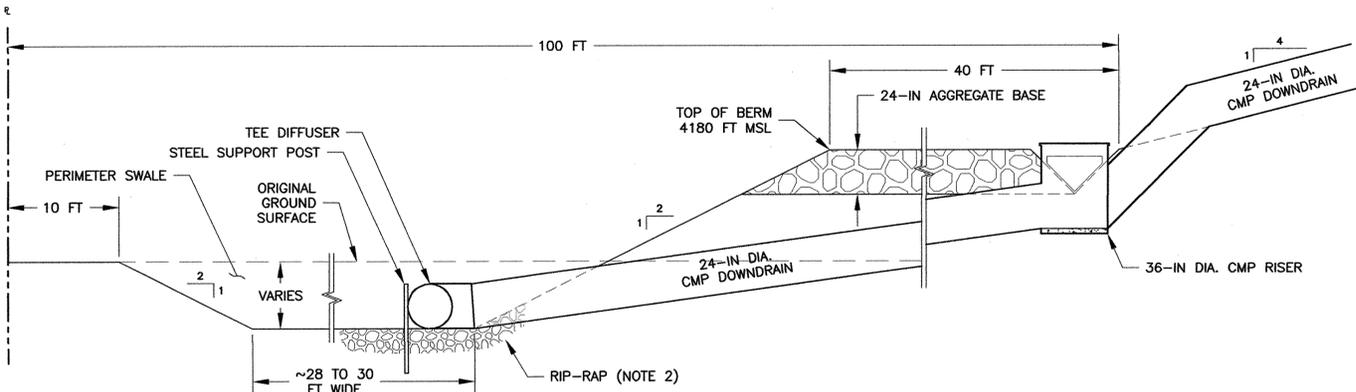
**8 PERIMETER BERM DETAIL**  
 5 8  
 SCALE 0 4 FEET



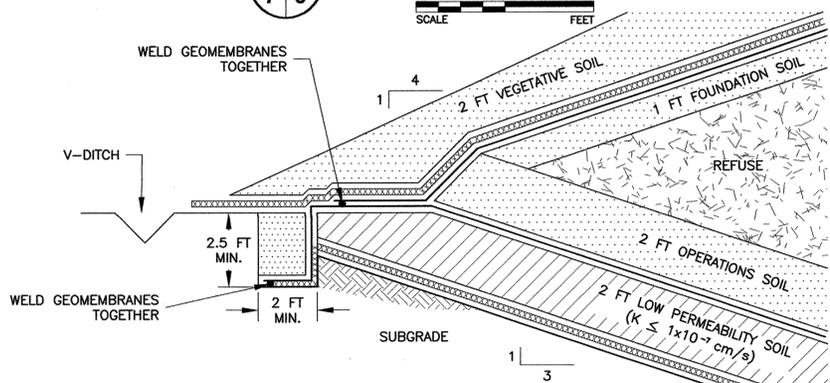
**9 COVER SYSTEM DETAIL**  
 5 8  
 SCALE 0 2 FEET



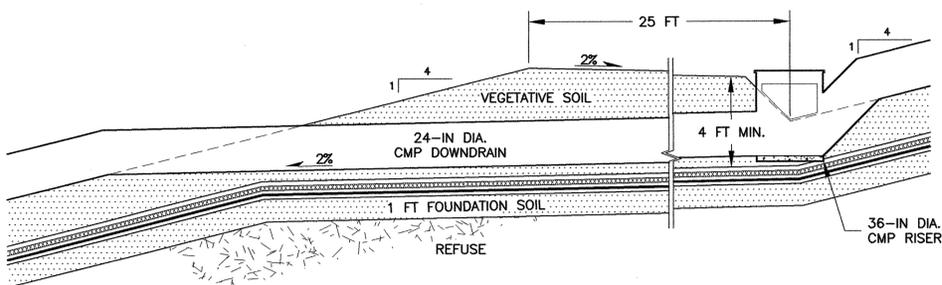
**10 FINAL COVER SLOPE BENCH**  
 7 8  
 SCALE 0 4 FEET



**11 CMP DOWNDRAIN DISCHARGE DETAIL**  
 5 8  
 SCALE 0 4 FEET



**12 PERIMETER TERMINATION DETAIL**  
 5 8  
 SCALE 0 3 FEET



**13 CMP DOWNDRAIN BENCH DETAIL**  
 5 8  
 SCALE 0 4 FEET

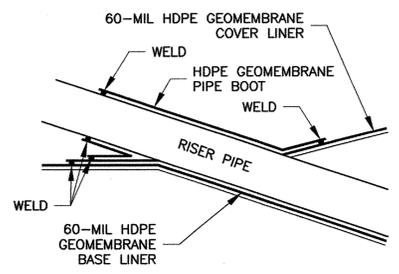
**LEGEND**

← 2% GRADE INDICATOR  
 1/2 SLOPE INDICATOR

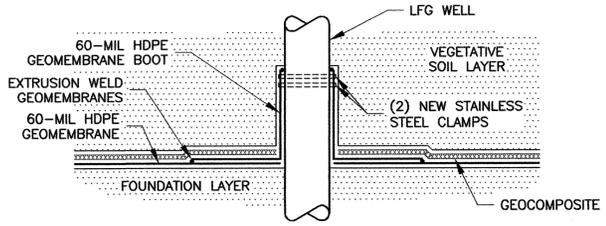
5 7 8  
 DRAWING WHERE DETAIL/SECTION IS REFERENCED  
 DRAWING WHERE DETAIL/SECTION IS LOCATED

**NOTE**

1. GEOSYNTHETICS NOT TO SCALE FOR CLARITY.  
 2. EXTEND RIP-RAP 15 FT LATERALLY FROM TEE DIFFUSER.



**14 TYPICAL PIPE BOOT**  
 4 8  
 SCALE 0 2 FEET



**15 GAS COLLECTION WELL PIPE BOOT DETAIL**  
 6 8  
 (NOT TO SCALE)

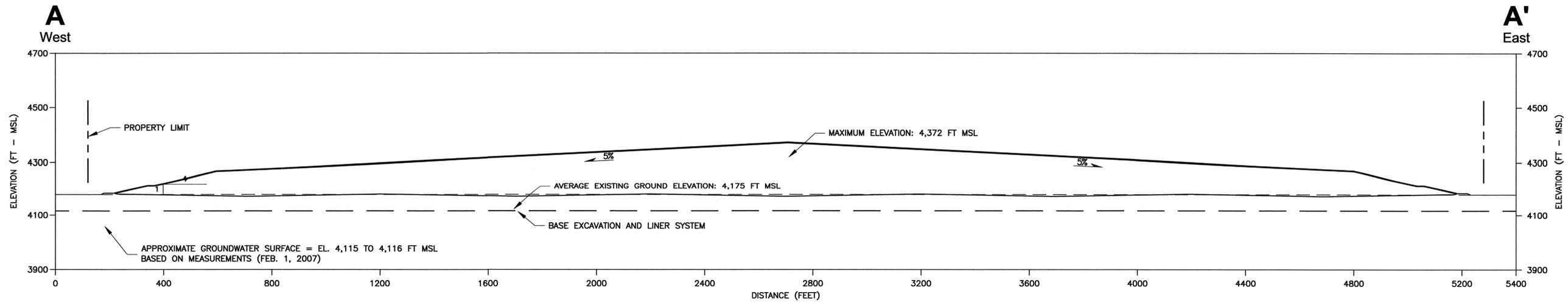
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWK
04/12/10	KGH		ADD SECONDARY LCRS/LINER	RJS	KGH	REK
05/29/09	KDH		ADD PIPE BOOT DETAILS	RJS	KGH	REK
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK
			REVISION DESCRIPTION	CADD	CHK	RWK

PROJECT  
**JUNGO ROAD LANDFILL  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

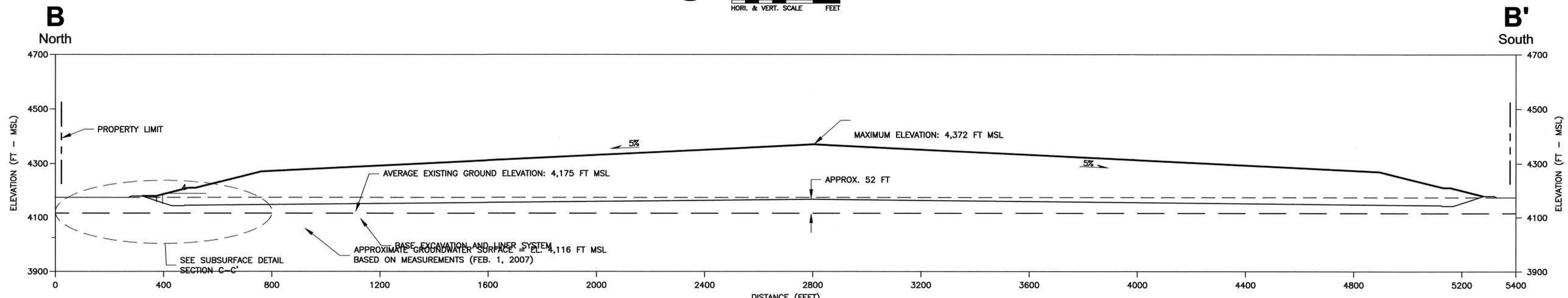
TITLE  
**FINAL COVER DETAILS**



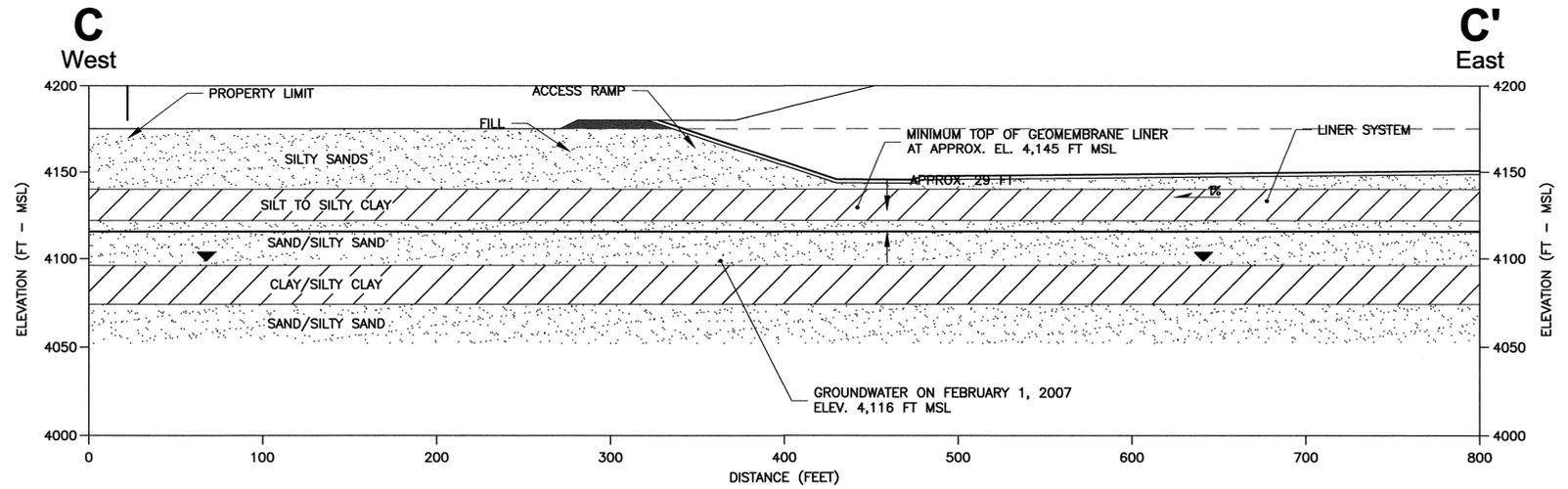
PROJECT	No. 063-7079-100	FILE No. 08 - Final Cover Detail - Ver. 2
DESIGN	KGH 10/01/07	SCALE AS SHOWN REV. C
CADD	JDR 03/05/08	
CHECK	KGH 03/06/08	
REVIEW	REK 03/08/08	



**A** CROSS-SECTION A-A'  
3.5 | 9  
200 0 200  
HORI. & VERT. SCALE FEET



**B** CROSS-SECTION B-B'  
3.5 | 9  
200 0 200  
HORI. & VERT. SCALE FEET



**C** CROSS-SECTION C-C'  
9 | 9  
50 0 50  
HORI. & VERT. SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
05/29/09	KGH		ADD SECTION C-C'			
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK

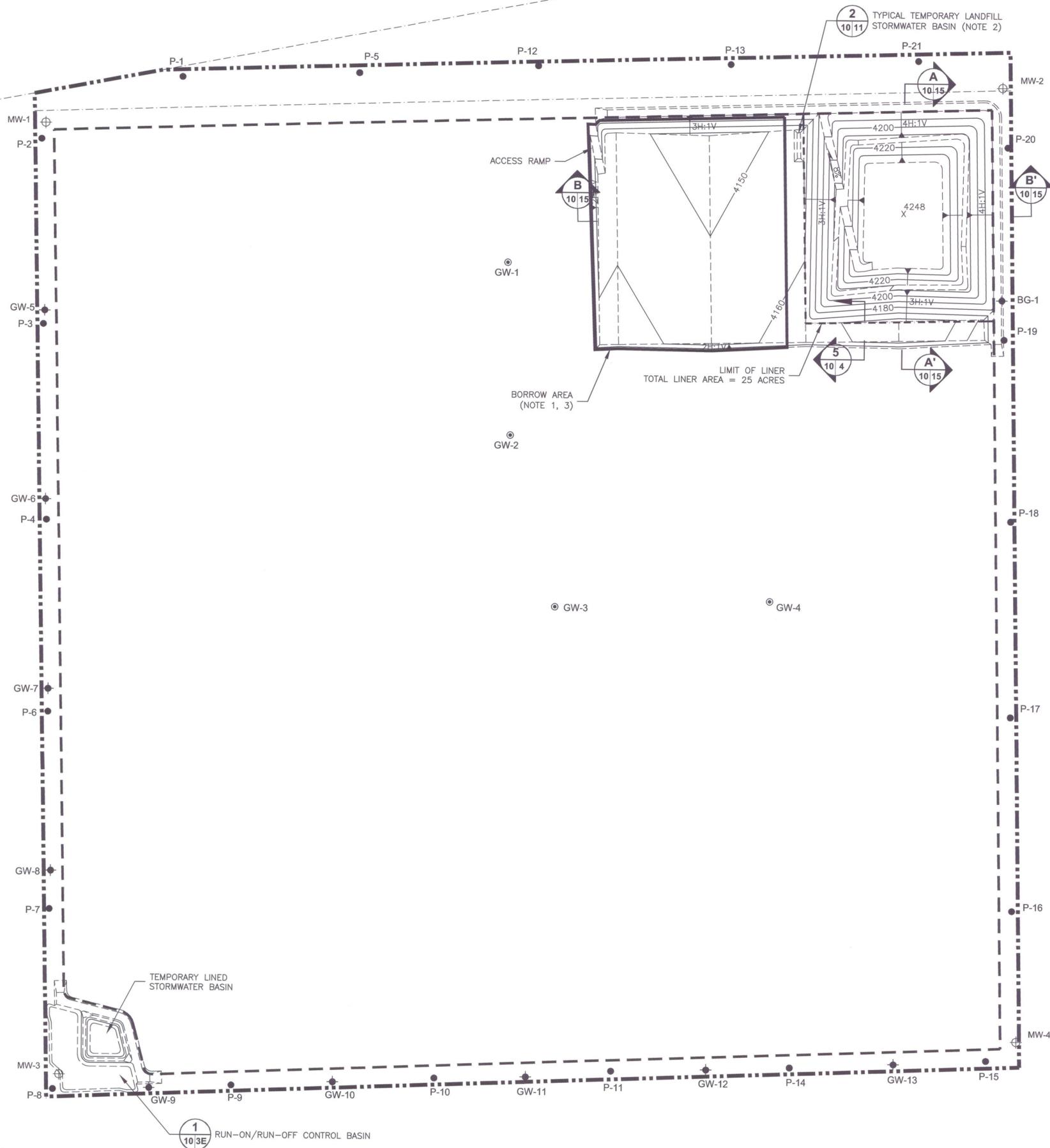
PROJECT  
**JUNGO ROAD LANDFILL  
WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**CROSS SECTIONS**



DESIGN	KGH	10/01/07	SCALE	AS SHOWN	REV.	B
CADD	JDR	03/05/08				
CHECK	KGH	03/06/08				
REVIEW	REK	03/08/08				

Drawing file: 0603-09 - Cross-Sections.dwg    May 27, 2009 - 4:28pm

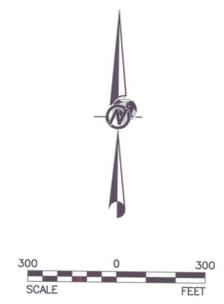


**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LINER
- BORROW AREA
- MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- 14% 3H:1V GRADE INDICATOR SLOPE INDICATOR
- P-17 GAS PROBE LOCATION AND ID
- GW-13 FINAL MONITORING WELL LOCATION
- GW-4 INTIAL MONITORING WELL LOCATION
- DRAWING WHERE SECTION/DETAIL IS REFERENCED
- DRAWING WHERE SECTION/DETAIL IS LOCATED

**NOTES**

1. BORROW AREA GRADES SHOWN REPRESENT THE MAXIMUM EXCAVATION (MINIMUM ELEVATIONS) OF SOIL REMOVAL PRIOR TO SUBSEQUENT LINER SYSTEM CONSTRUCTION.
2. TEMPORARY LANDFILL STORMWATER BASIN WILL COLLECT STORMWATER RUN-OFF FROM THE ACTIVE DISPOSAL AREA. THE WATER IN THIS BASIN WILL BE PUMPED AND ROUTED TO THE TEMPORARY LINED STORMWATER BASIN WHERE IT WILL BE SAMPLED AND TESTED. IF IT IS FREE OF WASTE CONSTITUENTS, THE WATER WILL BE DISCHARGED TO THE UNLINED RUN-ON/RUN-OFF CONTROL BASIN.
3. STORMWATER RUN-OFF WITHIN THE BORROW AREA WILL BE ROUTED TO A TOPOGRAPHIC LOW POINT WITHIN THE BORROW AREA WHERE IT WILL BE STORED UNTIL IT EVAPORATES OR INFILTRATES INTO THE SUBSURFACE SOILS.



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	REVISED DEVELOPMENT SEQUENCE	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

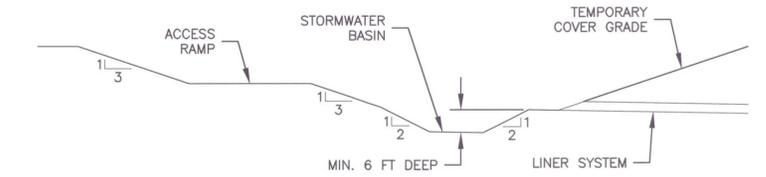
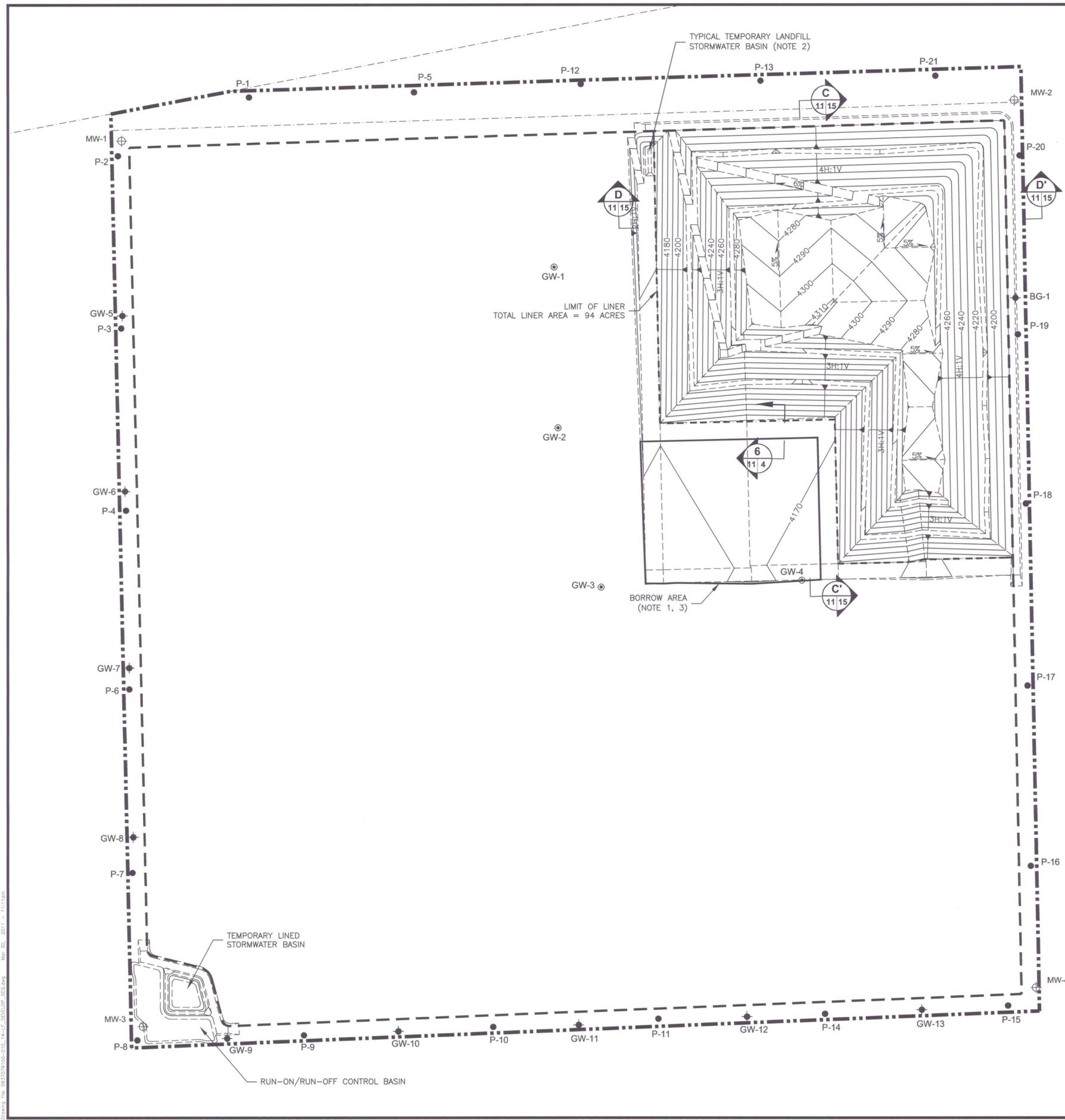
PROJECT  
**JUNGO ROAD LANDFILL**  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA

TITLE  
**INITIAL CELL DEVELOPMENT PLAN**



 Sacramento, CA	PROJECT No. 063-7079-100	FILE No. DWG 10-14 LF Develop Seq
	DESIGN KGH 10/01/07	SCALE AS SHOWN REV. ID
	CADD JDR 03/05/08	
	CHECK KGH 03/06/08	
REVIEW REK 03/08/08		<b>10</b>

Drawing File: 0637079-000-010-14-LF-200609.dwg Plot Date: 03/25/11 11:00am

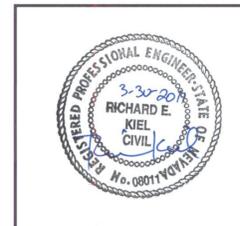
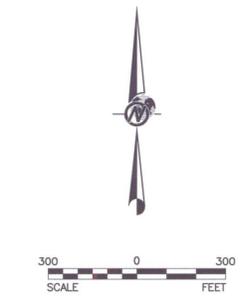


**2**  
TYPICAL TEMPORARY LANDFILL STORMWATER BASIN DETAIL  
10 11  
SCALE 0 30 FEET

**LEGEND**

-----	PROPERTY BOUNDARY	-----	DETAIL/SECTION DESIGNATION
-----	LIMIT OF LANDFILL	-----	DRAWING WHERE SECTION/DETAIL IS LOCATED
-----	LIMIT OF LINER	-----	DRAWING WHERE SECTION/DETAIL IS REFERENCED
-----	BORROW AREA		
⊕	APPROXIMATE LOCATION OF MONITORING WELLS		
14%	GRADE INDICATOR		
3H:1V	SLOPE INDICATOR		
●	P-17 GAS PROBE LOCATION AND ID		
◆	GW-13 FINAL MONITORING WELL LOCATION		
⊙	GW-4 INTIAL MONITORING WELL LOCATION		

- NOTES**
- BORROW AREA GRADES SHOWN REPRESENT THE MAXIMUM EXCAVATION (MINIMUM ELEVATIONS) OF SOIL REMOVAL PRIOR TO SUBSEQUENT LINER SYSTEM CONSTRUCTION.
  - TEMPORARY LANDFILL STORMWATER BASIN WILL COLLECT STORMWATER RUN-OFF FROM THE ACTIVE DISPOSAL AREA. THE WATER IN THIS BASIN WILL BE PUMPED AND ROUTED TO THE TEMPORARY LINED STORMWATER BASIN WHERE IT WILL BE SAMPLED AND TESTED. IF IT IS FREE OF WASTE CONSTITUENTS, THE WATER WILL BE DISCHARGED TO THE UNLINED RUN-ON/RUN-OFF CONTROL BASIN.
  - STORMWATER RUN-OFF WITHIN THE BORROW AREA WILL BE ROUTED TO A TOPOGRAPHIC LOW POINT WITHIN THE BORROW AREA WHERE IT WILL BE STORED UNTIL IT EVAPORATES OR INFILTRATES INTO THE SUBSURFACE SOILS.



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	REVISED DEVELOPMENT SEQUENCE	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

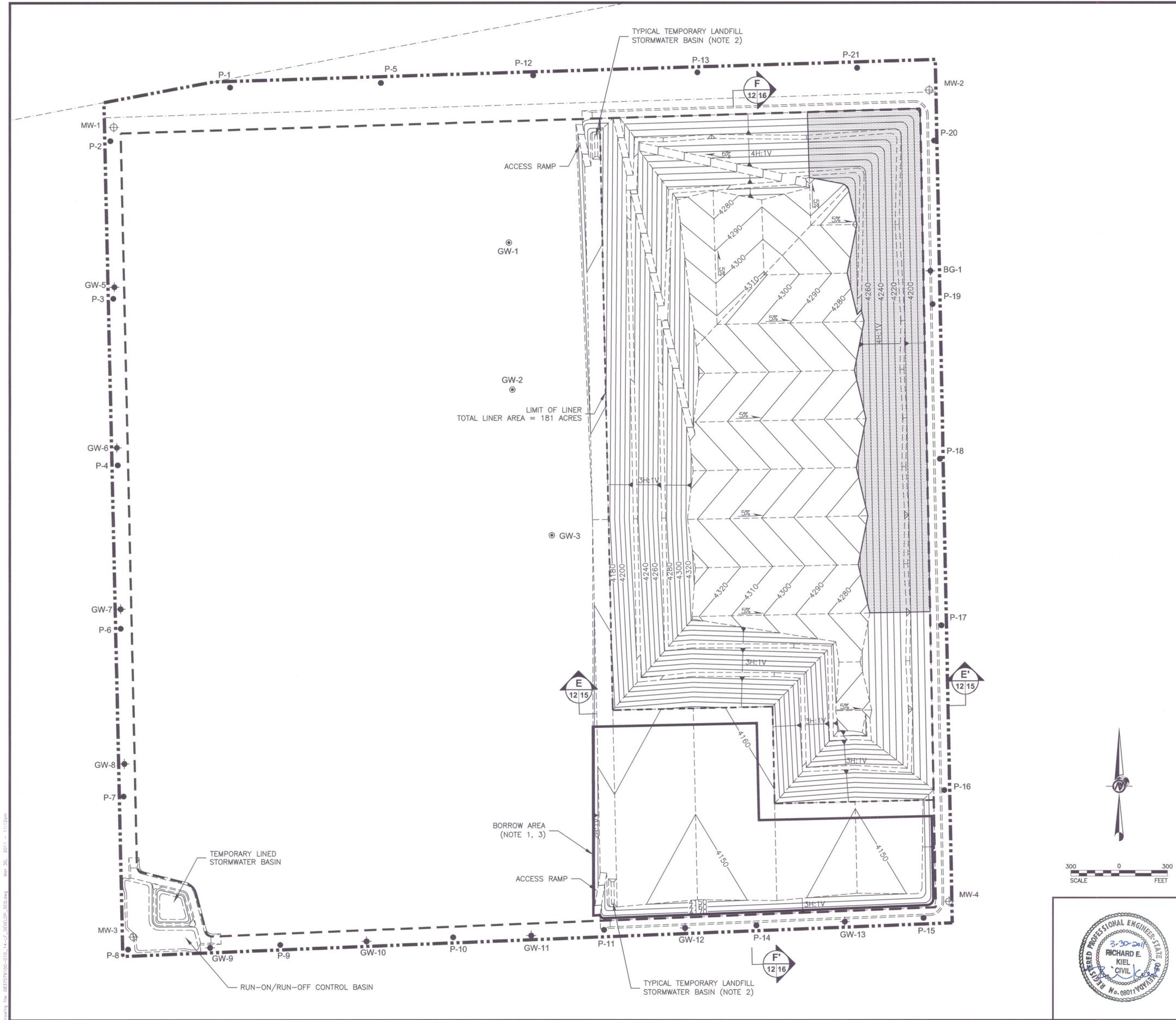
PROJECT: **JUNGO ROAD LANDFILL WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE: **CELL DEVELOPMENT PLAN END OF YEAR 10**

PROJECT No. 063-7079-100	FILE No. DWG 10-14 LF Develop Seq
DESIGN KGH 10/01/07	SCALE AS SHOWN REV. D
CADD JDR 03/05/08	
CHECK KGH 03/06/08	
REVIEW REK 03/08/08	

**11**

Drawing File: 0637079-100-210-14-LF\_20080501.dwg, Plot No.: 2011, 11:11 am



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LINER
- BORROW AREA
- CLOSED PORTION OF LANDFILL
- ⊕ MW-1 APPROXIMATE LOCATION OF MONITORING WELLS
- 14% GRADE INDICATOR
- 3H:1V SLOPE INDICATOR
- P-17 GAS PROBE LOCATION AND ID
- ◆ GW-13 FINAL MONITORING WELL LOCATION
- ⊙ GW-4 INTIAL MONITORING WELL LOCATION
- ⊕ DETAIL/SECTION DESIGNATION
- ⊕ DRAWING WHERE SECTION/DETAIL IS REFERENCED
- ⊕ DRAWING WHERE SECTION/DETAIL IS REFERENCED

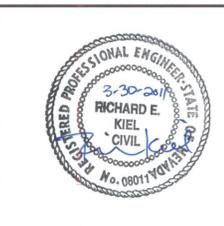
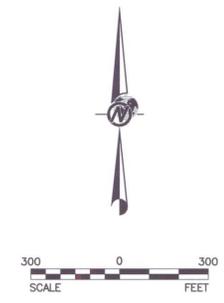
- NOTES**
- BORROW AREA GRADES SHOWN REPRESENT THE MAXIMUM EXCAVATION (MINIMUM ELEVATIONS) OF SOIL REMOVAL PRIOR TO SUBSEQUENT LINER SYSTEM CONSTRUCTION.
  - TEMPORARY LANDFILL STORMWATER BASIN WILL COLLECT STORMWATER RUN-OFF FROM THE ACTIVE DISPOSAL AREA. THE WATER IN THIS BASIN WILL BE PUMPED AND ROUTED TO THE TEMPORARY LINED STORMWATER BASIN WHERE IT WILL BE SAMPLED AND TESTED. IF IT IS FREE OF WASTE CONSTITUENTS, THE WATER WILL BE DISCHARGED TO THE UNLINED RUN-ON/RUN-OFF CONTROL BASIN.
  - STORMWATER RUN-OFF WITHIN THE BORROW AREA WILL BE ROUTED TO A TOPOGRAPHIC LOW POINT WITHIN THE BORROW AREA WHERE IT WILL BE STORED UNTIL IT EVAPORATES OR INFILTRATES INTO THE SUBSURFACE SOILS.

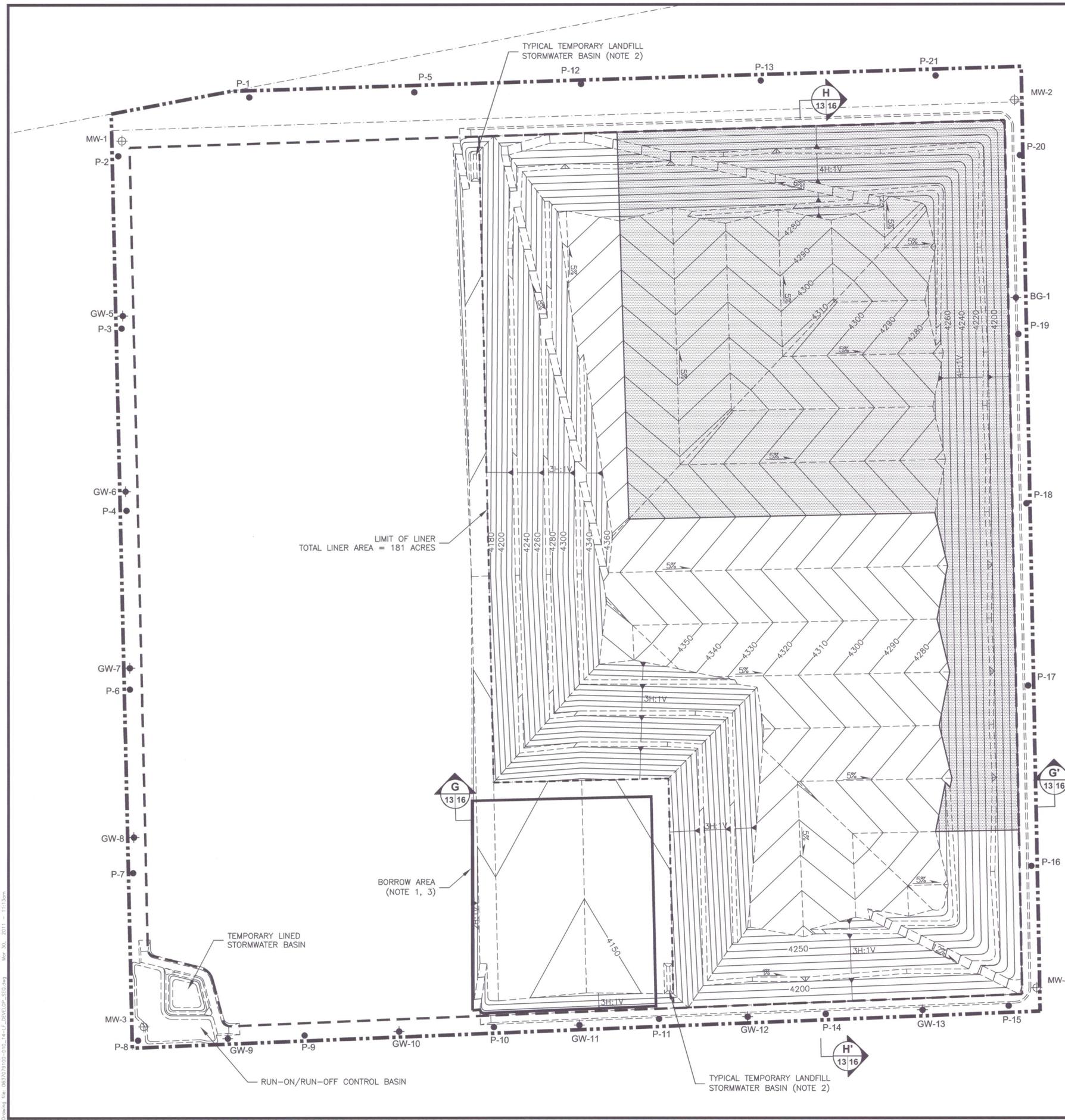
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	REVISED DEVELOPMENT SEQUENCE	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**CELL DEVELOPMENT PLAN**  
**END OF YEAR 25**

PROJECT	No. 063-7079-100	FILE	No.DWG 10-14 LF Develop Seq
DESIGN	KGH 10/01/07	SCALE	AS SHOWN REV. D
CADD	JDR 03/05/08		
CHECK	KGH 03/06/08		
REVIEW	REK 03/08/08		





**LEGEND**

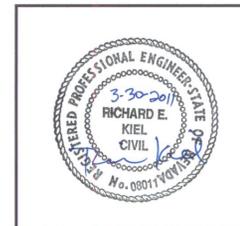
	PROPERTY BOUNDARY		APPROXIMATE LOCATION OF MONITORING WELLS
	LIMIT OF LANDFILL		GRADE INDICATOR
	LIMIT OF LINER		SLOPE INDICATOR
	BORROW AREA		GAS PROBE LOCATION AND ID
	CLOSED PORTION OF LANDFILL		FINAL MONITORING WELL LOCATION
	MW-1		DETAIL/SECTION DESIGNATION
	14%		DRAWING WHERE SECTION/DETAIL IS LOCATED
	3H:1V		DRAWING WHERE SECTION/DETAIL IS REFERENCED

- NOTES**
- BORROW AREA GRADES SHOWN REPRESENT THE MAXIMUM EXCAVATION (MINIMUM ELEVATIONS) OF SOIL REMOVAL PRIOR TO SUBSEQUENT LINER SYSTEM CONSTRUCTION.
  - TEMPORARY LANDFILL STORMWATER BASIN WILL COLLECT STORMWATER RUN-OFF FROM THE ACTIVE DISPOSAL AREA. THE WATER IN THIS BASIN WILL BE PUMPED AND ROUTED TO THE TEMPORARY LINED STORMWATER BASIN WHERE IT WILL BE SAMPLED AND TESTED. IF IT IS FREE OF WASTE CONSTITUENTS, THE WATER WILL BE DISCHARGED TO THE UNLINED RUN-ON/RUN-OFF CONTROL BASIN.
  - STORMWATER RUN-OFF WITHIN THE BORROW AREA WILL BE ROUTED TO A TOPOGRAPHIC LOW POINT WITHIN THE BORROW AREA WHERE IT WILL BE STORED UNTIL IT EVAPORATES OR INFILTRATES INTO THE SUBSURFACE SOILS.

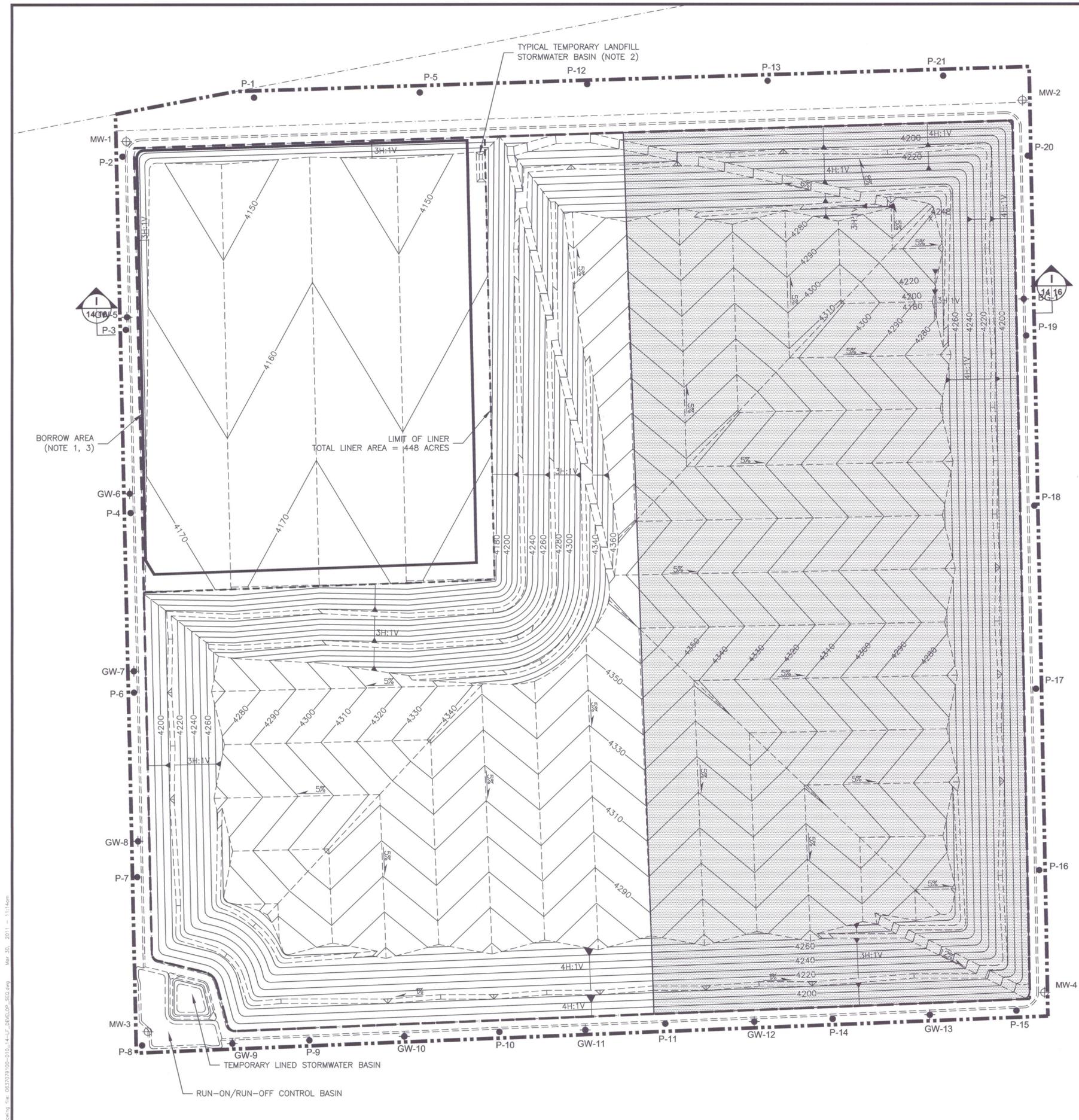
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
03/25/11	KGH		ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
05/29/09	KGH		REVISED DEVELOPMENT SEQUENCE	RJS	KGH	REK
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**CELL DEVELOPMENT PLAN**  
**END OF YEAR 50**



	PROJECT No. 063-7079-100	FILE No. DWG 10-14 LF Develop Seq
DESIGN KGH 10/01/07	SCALE AS SHOWN	REV. D
CADD JDR 03/05/08		
CHECK KGH 03/06/08		
REVIEW REK 03/08/08		



**LEGEND**

- PROPERTY BOUNDARY
- LIMIT OF LANDFILL
- LIMIT OF LINER
- BORROW AREA
- CLOSED PORTION OF LANDFILL
- APPROXIMATE LOCATION OF MONITORING WELLS
- GRADE INDICATOR
- SLOPE INDICATOR
- P-17 GAS PROBE LOCATION AND ID
- GW-13 FINAL MONITORING WELL LOCATION
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

**NOTES**

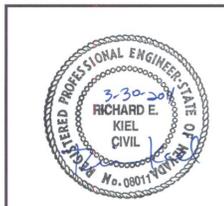
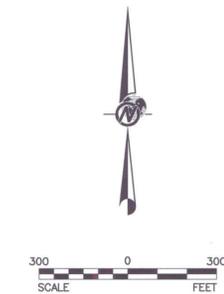
1. BORROW AREA GRADES SHOWN REPRESENT THE MAXIMUM EXCAVATION (MINIMUM ELEVATIONS) OF SOIL REMOVAL PRIOR TO SUBSEQUENT LINER SYSTEM CONSTRUCTION.
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REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
△	03/25/11	KGH	ADD GAS & GROUNDWATER MONITORING WELL LOCATIONS	RJS	KGH	REK
△	05/29/09	KGH	REVISED DEVELOPMENT SEQUENCE	RJS	KGH	REK
△	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KGH	REK

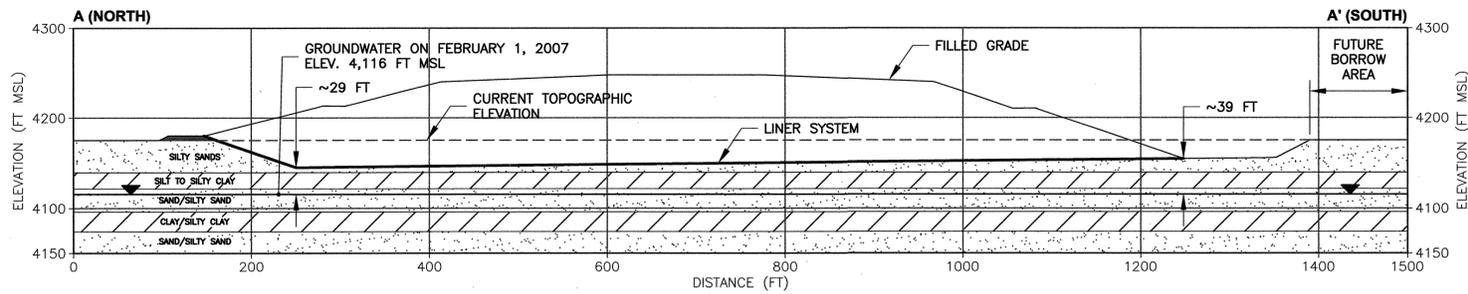
PROJECT  
**JUNGO ROAD LANDFILL  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**CELL DEVELOPMENT PLAN  
 END OF YEAR 75**

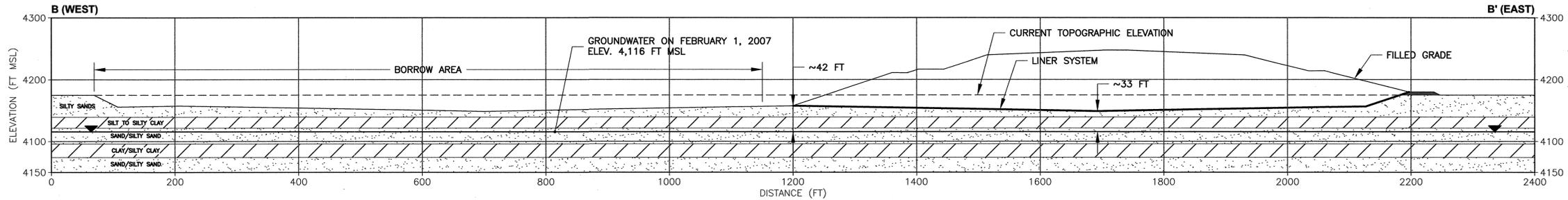
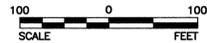
PROJECT No. 063-7079-100	FILE No. DWG 10-14 LF Develop Seq
DESIGN KGH 10/01/07	SCALE AS SHOWN REV. D
CADD JDR 03/05/08	
CHECK KGH 03/06/08	
REVIEW REK 03/08/08	



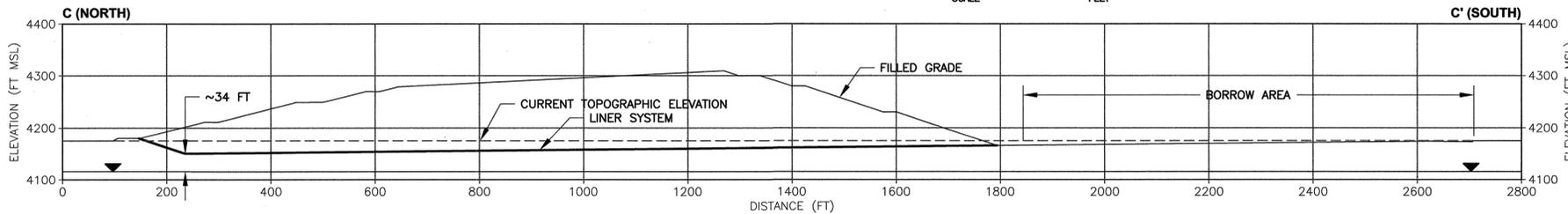
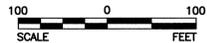
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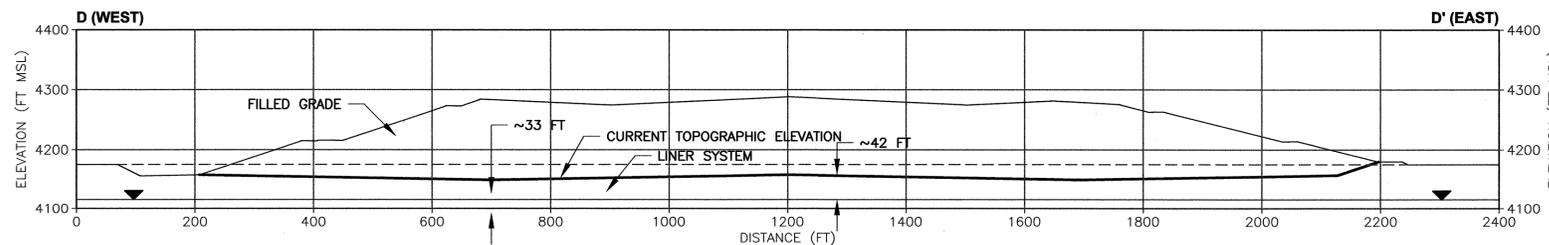
**A** CROSS-SECTION A-A' FOR INITIAL CELL DEVELOPMENT



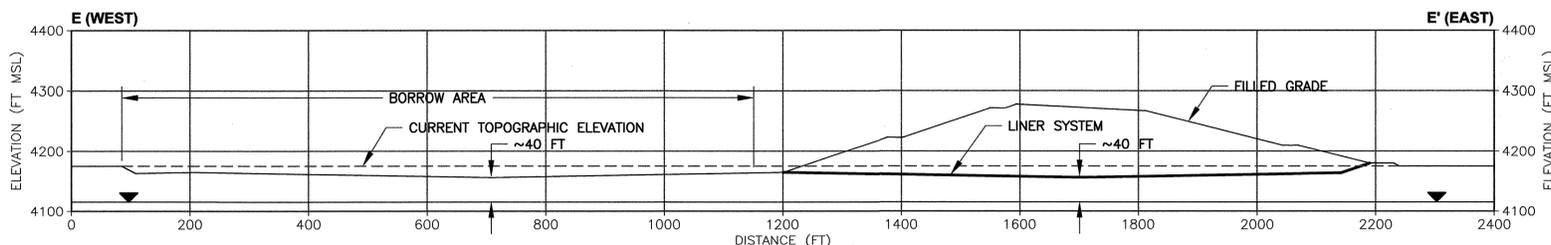
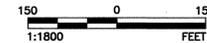
**B** CROSS-SECTION B-B' FOR INITIAL CELL DEVELOPMENT



**C** CROSS-SECTION C-C' FOR CELL DEVELOPMENT - YEAR 10



**D** CROSS-SECTION D-D' FOR CELL DEVELOPMENT - YEAR 10



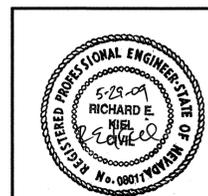
**E** CROSS-SECTION E-E' FOR CELL DEVELOPMENT - YEAR 25



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
Δ	05/29/09	KGH	ADD SUBSURFACE DETAIL & BORROW AREAS			
Δ	03/11/08	KDH	ISSUED FOR PERMITTING	RJS	KDH	REK

PROJECT  
**JUNGO ROAD LANDFILL  
 WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

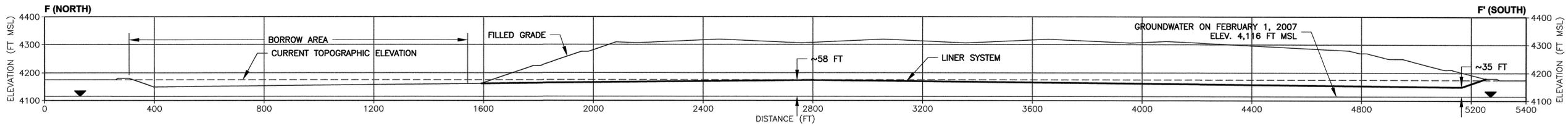
TITLE  
**LANDFILL DEVELOPMENT  
 CROSS SECTIONS  
 1 OF 2**



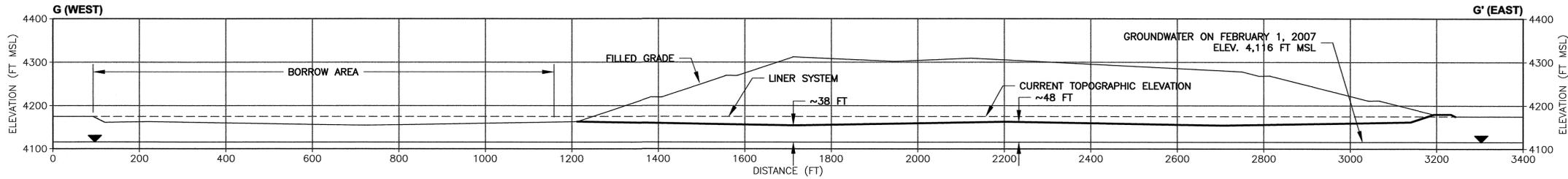
PROJECT	No. 063-7079-100	FILE No. DWG 15-16-LF Develop Seq CS
DESIGN	KGH	10/01/07
CADD	JDR	03/05/08
CHECK	KGH	03/06/08
REVIEW	REK	03/08/08
SCALE		AS SHOWN
REV.		B
<b>15</b>		



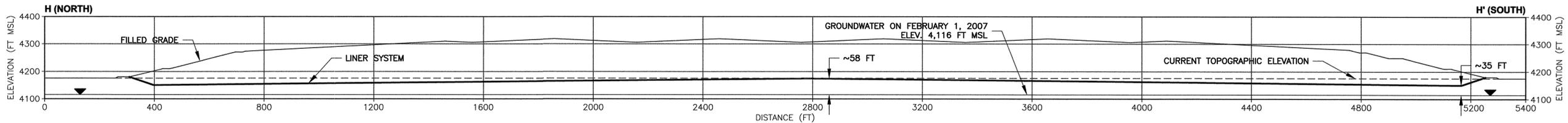
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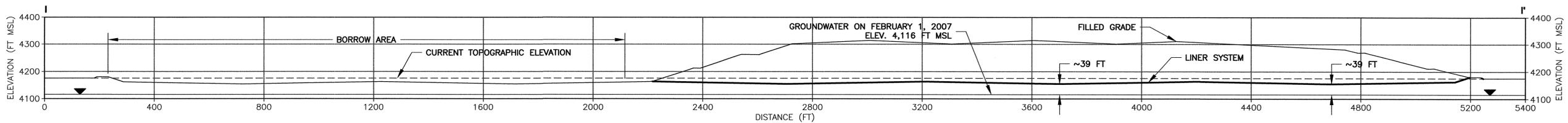
**F** CROSS-SECTION F-F' FOR CELL DEVELOPMENT - YEAR 25  
 12 | 16  
 200 0 200  
 1:2400 FEET



**G** CROSS-SECTION G-G' FOR CELL DEVELOPMENT - YEAR 50  
 13 | 16  
 150 0 150  
 1:1800 FEET



**H** CROSS-SECTION H-H' FOR CELL DEVELOPMENT - YEAR 50  
 13 | 16  
 200 0 200  
 1:2400 FEET



**I** CROSS-SECTION I-I' FOR CELL DEVELOPMENT - YEAR 75  
 14 | 16  
 200 0 200  
 1:2400 FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
05/29/09	KGH		ADD BORROW AREAS			KGH
03/11/08	KDH		ISSUED FOR PERMITTING	RJS	KGH	REK

PROJECT  
**JUNGO ROAD LANDFILL**  
**WINNEMUCCA, HUMBOLDT COUNTY, NEVADA**

TITLE  
**LANDFILL DEVELOPMENT**  
**CROSS SECTIONS**  
**2 OF 2**



DESIGN	KGH	10/01/07	PROJECT No. 063-7079-100	FILE No. DWG 15-16-LF Develop Seq CS
CADD	JDR	03/05/08	SCALE AS SHOWN	REV. B
CHECK	KGH	03/06/08	<b>16</b>	
REVIEW	REK	03/08/08		

