

ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR
The Construction of P2S1 Liner Expansion Project at Badlands Sanitary Landfill
May 11, 2023

BIDS DUE: Wednesday, May 31, 2023; 11:00 a.m.
Department of Waste Resources Office
14310 Frederick Street, Moreno Valley, CA 92553

This Addendum to the Contract Documents for Construction of P2S1 Liner Expansion Project at Badlands Sanitary Landfill is issued by the Riverside County Department of Waste Resources for the County of Riverside ("County").

Per the Notice Inviting Bids to Contractors in the administrative provisions section of the Contract Documents, all questions and requests for clarification or interpretation of the Contract Documents must be submitted in writing by 5:00 PM on Friday, May 19, 2023. Language deleted from Contract Documents shall be denoted by strikethrough. Language added to Contract Documents shall be noted by *italics*. All other terms of the Contract Documents remain unchanged and in effect.

Contract Documents Updates

1. Page XXII and Page XLIV of the Administrative Provisions: The bid item sheets shall be revised to include an authorized amount of \$750,000 time and materials. The updated bid item sheets can be found in attachment 1.
2. Construction Drawings Sheets 12, 13, and 14 – Construction Notes: Please replace sheets 12, 13, and 14 with revised sheets 12, 13, and 14. Changes includes: a revision to the estimated excavation amount. The updated construction drawings can be found in attachment 2.
3. Construction Drawings Sheets 20 – Clean Out Line: Please replace sheet 20 with revised sheet 20. Change includes: Removal of the cleanout line trench along the slope between the North Perimeter Road and Bench 218. The updated construction drawings can be found in attachment 2.

NOTE:

Bidders are required to acknowledge receipt of all addenda at the bottom of Sheet XVII of the CONTRACTOR'S PROPOSAL.

Riverside County Department of Waste Resources

Andrew Cortez, P.E.
Assistant Chief Engineer

List of Attachments:

Attachment 1 - Updated Bid Item Sheets for Contractor's Proposal and
Construction Agreement Exhibit A

Attachment 2 – Updated Construction Drawings

PD# 313770(word) PD# 314194(PDF)

Attachment 1

Updated Bid Item Sheets for Contractor's Proposal and Construction Agreement Exhibit A

Bidder bids as follows on this Bid Item List for **PHASE 2, STAGE 1 LINER EXPANSION PROJECT** at the Badlands Sanitary Landfill located at 31125 Ironwood Avenue, Moreno Valley, CA 92555 in Riverside County, California:

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
1	Construction Schedule	LS	1		
2	Prepare and Implement NPDES SWPPP	LS	1		
3	Mobilization and Demobilization	LS	1		
4	Develop Water	LS	1		
5	Demolition	LS	1		
6	Earthwork – Over Excavation, RCPS 1-3	CY	67,438		
7	Earthwork – Over Excavation, Stockpiles Sub-Canyon Stockpile	CY	45,894		
8	Earthwork – Over Excavation, P2S1 Subgrade Area	CY	13,903		
9	Earthwork – Excavation	CY	2,935,561		
10	Earthwork – Earthen Berms	LF	733		
11	Finished Subgrade Surface Preparation for Geosynthetics (FSSP)	SF	1,258,462		
12	Excavate and Backfill 3'x2' Anchor Trench	LF	14,787		
13	Construct 12" Thick 1×10^{-6} Low-Permeability Layer	CY	3,603		
14	Construct 24" Thick 1×10^{-7} Low-Permeability Layer	CY	8,461		
15	Furnish and Install GCL Along the Bottom Liner System EAD B3	SF	97,271		
16	Furnish and Install Coated GCL Along the Side Liner System	SF	1,374,609		
17	Furnish and Install 16oz/sy Geotextile	SF	1,374,609		
18	Furnish and Install 12oz/sy Geotextile	SF	211,500		
19	Furnish and Install 8oz/sy Geotextile	SF	214,250		

(Table continued on next page.)

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
20	Furnish and Install 60-mil HDPE Liner (Single-Sided Textured)	SF	1,374,609		
21	Furnish and Install 60-mil HDPE Liner (Double-Sided Textured)	SF	308,771		
22	Furnish and Install 9" thick Drainage Layer	CY	5,875		
23	Furnish and Install 8-mil Temporary Protective Membrane	SF	752,294		
24	Construct Drainage Features	LS	1		
25	Furnish and Install 8" HDPE Slotted Pipe Including Pipe Fittings and Connections	LF	864		
26	Furnish and Install 4" HDPE Slotted Pipe Including Pipe Fittings and Connections	LF	883		
27	Furnish and Install 4" HDPE Solid Pipe Including Pipe Fittings and Connections	LF	792		
28	Furnish and Install Sump Pump System Including Fittings and Connections	LS	1		
29	Furnish and Install 10,000-gal Leachate Storage Tank	LS	1		
30	Furnish and Install 1" HDPE Pneumatic Line	LF	4,163		
31	Construct Sedimentation Basin Skimmer	LS	1		
32	Construct 1" Minus PCS Layer	CY	51,060		
33	Construct 3" Minus PCS Layer	CY	16,423		
34	Construct 6" Minus PCS Layer	CY	16,423		
35	Stockpile PCS Material	CY	40,000		
36	Construct North Access Road – Asphalt Concrete	SF	42,715		
37	Construct North Access Road – Class II Aggregate Base	SF	42,715		
38	Furnish and Install Crushed Miscellaneous Base Along Roads	SF	196,773		
39	Furnish and Install 2"-4" Rock Along Roads	SF	196,773		
40	Construct Asphalt Concrete Speed Bumps	EA	3		
41	Furnish and Install K-Rails	EA	73		
42	Roadway Markings	LS	1		

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
43	Raise Groundwater Well to Meet Grade	LS	1		
44	Authorized Time and Materials	LS	1	<i>\$750,000</i>	<i>\$750,000</i>
	Established Daily Rate for Delay	Working Day	\$*		

*If a Bidder enters \$0 or leaves this Bid Item blank, the Established Daily Rate for Delay will be deemed to be \$100.

For the Total Bid Proposal of: **TOTAL COST (State in Figures)** \$ _____

(Write out Total Bid Amount in Words), subject to additions and deductions as provided for in this Agreement.

EXHIBIT A

(Construction Agreement for the Riverside County Department of Waste Resources, **PHASE 2, STAGE 1 LINER EXPANSION PROJECT** at the Badlands Sanitary Landfill, located in Riverside County, California.)

It is understood that the quantities listed in this Bid Proposal (except for those shown as “Final” or “Lump Sum (L.S.)”) are but estimates only and final payment will be based on actual quantities whatever they may be, subject to such adjustments and alterations as elsewhere provided for in the Contract Documents. Notwithstanding anything to the contrary in the Contract Documents, Contractor will not be entitled to an adjustment of any unit cost, except as expressly agreed to in writing by the County, which agreement shall be within the County’s sole and absolute discretion.

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
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2	Prepare and Implement NPDES SWPPP	LS	1		
3	Mobilization and Demobilization	LS	1		
4	Develop Water	LS	1		
5	Demolition	LS	1		
6	Earthwork – Over Excavation, RCPS 1-3	CY	67,438		
7	Earthwork – Over Excavation, Sub-Canyon Stockpile	CY	45,894		
8	Earthwork – Over Excavation, P2S1 Subgrade Area	CY	13,903		
9	Earthwork – Excavation	CY	2,935,561		
10	Earthwork – Earthen Berms	LF	733		
11	Finished Subgrade Surface Preparation for Geosynthetics (FSSP)	SF	1,258,462		
12	Excavate and Backfill 3’x2’ Anchor Trench	LF	14,787		
13	Construct 12” Thick 1×10^{-6} Low-Permeability Layer	CY	3,603		
14	Construct 24” Thick 1×10^{-7} Low-Permeability Layer	CY	8,461		
15	Furnish and Install GCL Along the Bottom Liner System EAD B3	SF	97,271		
16	Furnish and Install Coated GCL Along the Side Slope Liner System	SF	1,374,609		
17	Furnish and Install 16oz/sy Geotextile	SF	1,374,609		
18	Furnish and Install 12oz/sy Geotextile	SF	211,500		
19	Furnish and Install 8oz/sy Geotextile	SF	214,250		

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
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23	Furnish and Install 8-mil Temporary Protective Membrane	SF	752,294		
24	Construct Drainage Features	LS	1		
25	Furnish and Install 8" HDPE Slotted Pipe Including Pipe Fittings and Connections	LF	864		
26	Furnish and Install 4" HDPE Slotted Pipe Including Pipe Fittings and Connections	LF	883		
27	Furnish and Install 4" HDPE Solid Pipe Including Pipe Fittings and Connections	LF	792		
28	Furnish and Install Sump Pump System Including Fittings and Connections	LS	1		
29	Furnish and Install 10,000-gal Leachate Storage Tank	LS	1		
30	Furnish and Install 1" HDPE Pneumatic Line	LF	4,163		
31	Construct Sedimentation Basin Skimmer	LS	1		
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33	Construct 3" Minus PCS Layer	CY	16,423		
34	Construct 6" Minus PCS Layer	CY	16,423		
35	Stockpile PCS Material	CY	40,000		
36	Construct North Access Road – Asphalt Concrete	SF	42,715		
37	Construct North Access Road – Class II Aggregate Base	SF	42,715		
38	Furnish and Install Crushed Miscellaneous Base Along Roads	SF	196,773		
39	Furnish and Install 2"-4" Rock Along Roads	SF	196,773		
40	Construct Asphalt Concrete Speed Bumps	EA	3		
41	Furnish and Install K-Rails	EA	73		
42	Roadway Markings	LS	1		

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
43	Raise Groundwater Well to Meet Grade	LS	1		
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	Established Daily Rate for Delay	Working Day	\$*		

*If a Bidder enters \$0 or leaves this Bid Item blank, the Established Daily Rate for Delay will be deemed to be \$100.

For the Total Bid Proposal of: **TOTAL COST (State in Figures)** \$ _____

(Write out Total Bid Amount in Words), subject to additions and deductions as provided for in this Agreement.

Attachment 2
Updated Construction Drawings

Construction Notes

Total Subgrade Earthwork Quantities:
Estimated Fill: 117,734 CCY

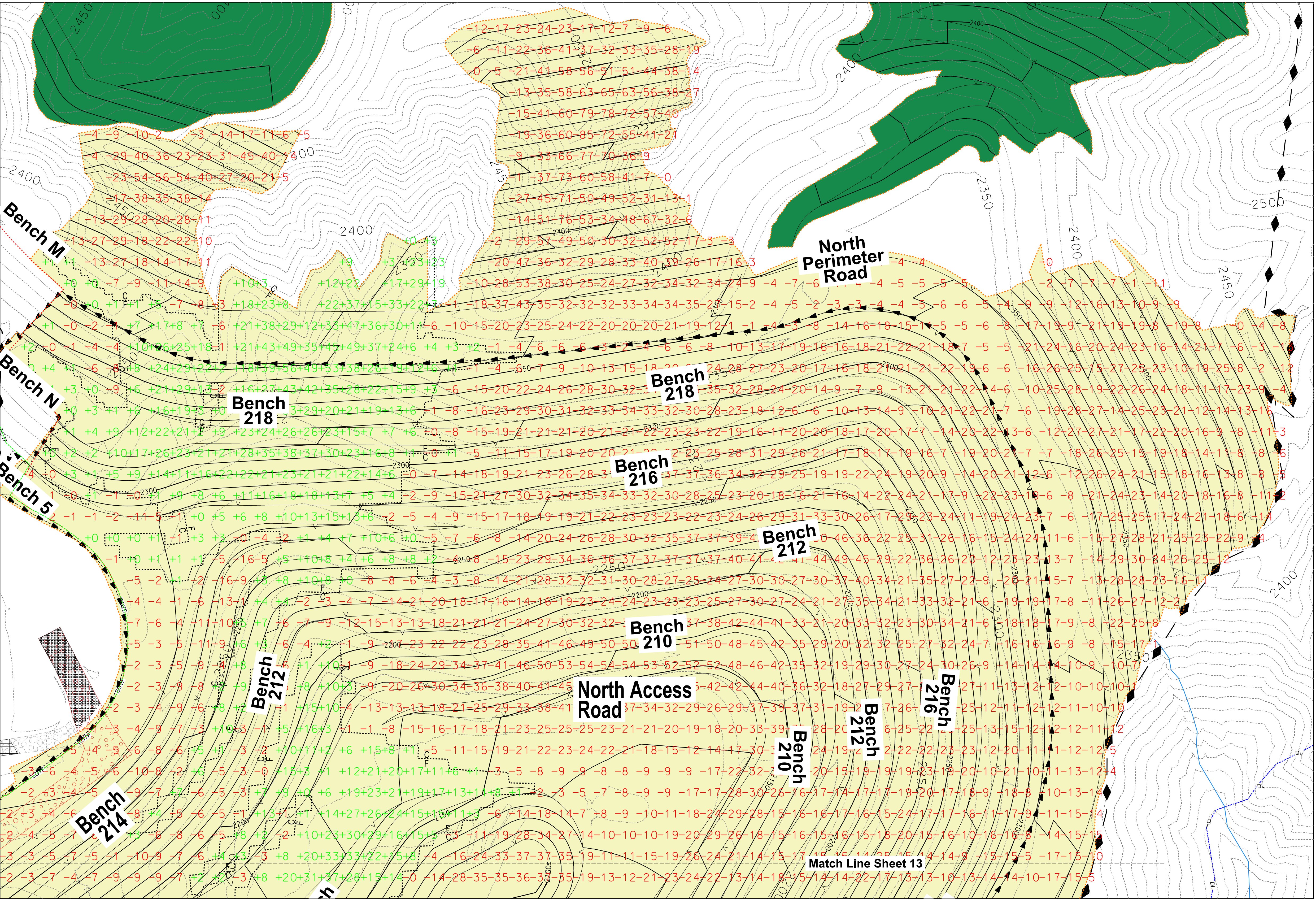
Estimated Excavation: 3,146,701 BCY

1

LEGEND

- Project Limits
- Existing Ground Contours
- Subgrade Design Grade (10ft Interval)
- Edge of (Trash) Fill
- Existing HDPE Liner Limits
- Aggregate Base Road
- Stockpile Fill Areas
- Structure to Protect in Place
- Subgrade Design Area
- Drainage Design Alignment
- Gasline (Protect in Place)
- Disturbance Limits
- Streambed
- Grading Limits
- Cut/Fill Line
- Hinge Line
- Toe Line
- Proposed HDPE Liner Limits
- Resultant Cut Depth (to nearest ft)
- Resultant Fill Depth (to nearest ft)

Note: All quantities are approximate



NO.	REVISIONS	BY	APPROVED	DATE
1	Estimated Excavation Quantity update	BH	MR	11 May 23



DESIGNED BY:	BH
DRAWN BY:	EZ
CHECKED BY:	SNL
DATE:	April 26, 2023
DATE OF PHOTOGRAPHY:	May 2022

RIVERSIDE COUNTY
DEPARTMENT OF
WASTE RESOURCES

Hans Kernkamp
General Manager-Chief Engineer

Scale: 1" = 120' @ 11x17 1" = 60' @ 22x34

Badlands Sanitary Landfill
Liner System Construction -Phase 2, Stage 1

Subgrade Iso Plan
(North)

SCALE:	1"=120' @ 11x17 1"=60' @ 22x34
SERVER:	/Waste-16fs03/ENG-BL
FOLDER:	Ba/Exp/P2S1/Design/Plan
FOLDER:	P2S1-S12-Subgrade-Iso-Plan.dgn
MODEL:	N/A
SHEET 12	OF 60

Construction Notes

Total Subgrade Earthwork Quantities:
Estimated Fill: 117,734 CCY

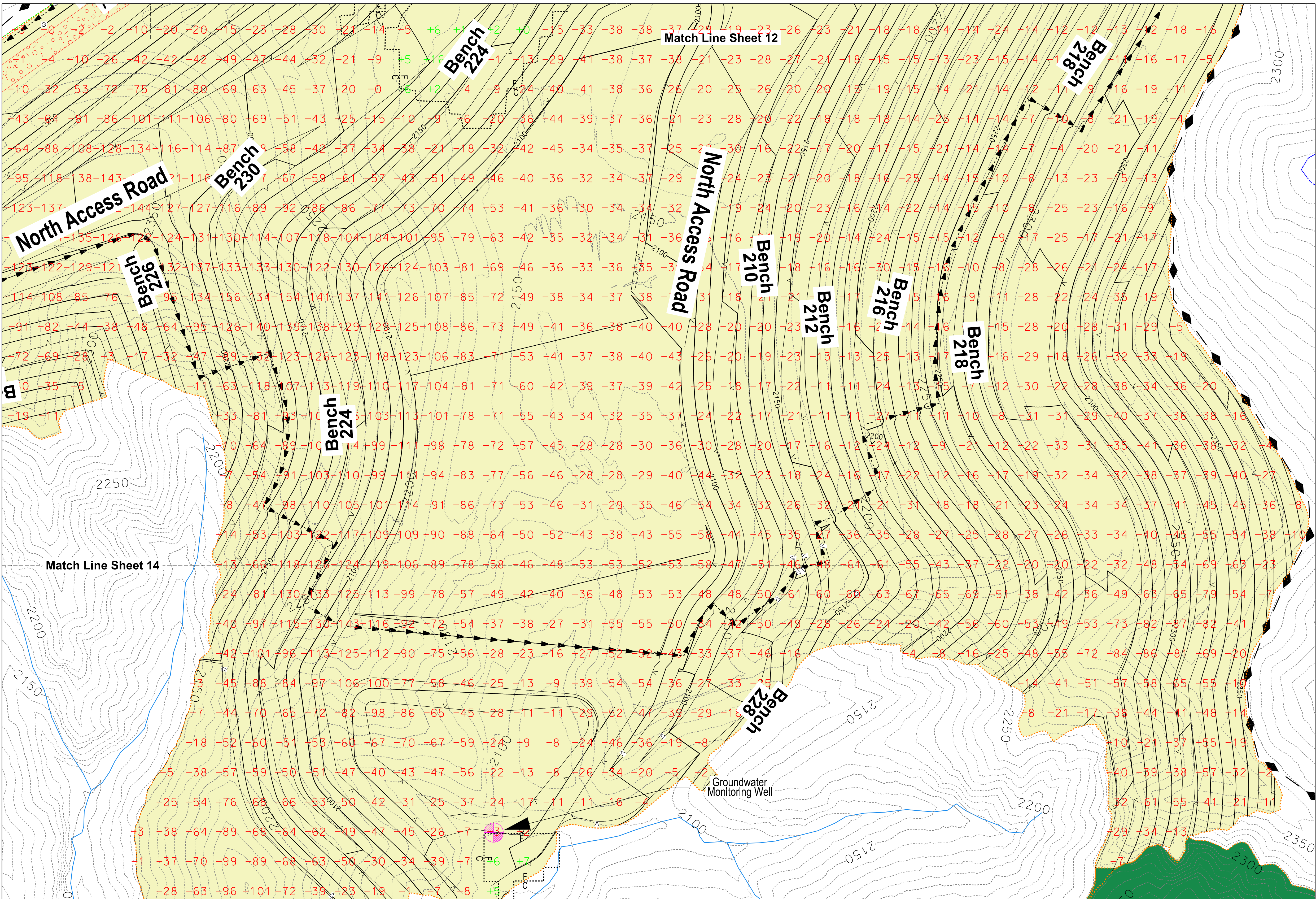
Estimated Excavation: 3,146,701 BCY

1

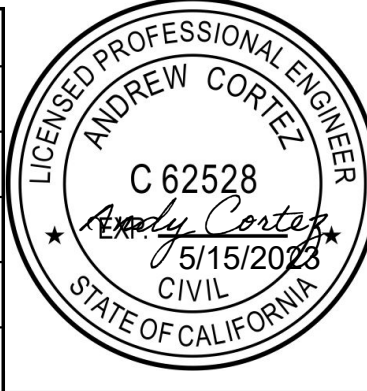
LEGEND

- Project Limits
- Existing Ground Contours
- Subgrade Design Grade (10ft Interval)
- EOTF
- Existing HDPE Liner Limits
- Aggregate Base Road
- Stockpile Fill Areas
- Structure to Protect in Place
- Subgrade Design Area
- Gasline (Protect in Place)
- DL Disturbance Limits
- Streambed
- Grading Limits
- FC Cut/Fill Line
- Hinge Line
- Toe Line
- 42 Resultant Cut Depth (to nearest ft)
- +19 Resultant Fill Depth (to nearest ft)
- Proposed HDPE Liner Limits

Note: All quantities are approximate



NO.	REVISIONS	BY	APPROVED	DATE
1	Estimated Excavation Quantity update	BH	MR	11 May 23



DESIGNED BY:	BH
DRAWN BY:	EZ
CHECKED BY:	SNL
DATE:	April 26, 2023
DATE OF PHOTOGRAPHY:	May 2022

RIVERSIDE COUNTY
DEPARTMENT OF
WASTE RESOURCES

Hans Kernkamp
General Manager-Chief Engineer

Scale: 1" = 120' @ 11x17 1" = 60' @ 22x34

Badlands Sanitary Landfill
Liner System Construction - Phase 2, Stage 1
Subgrade Iso Plan
(South)

SCALE:	1"=120' @ 11x17 1"=60" @ 22x34
SERVER:	/Waste-16fs03/BL-ENG
FOLDER:	Ba/Exp/P2S1/Design/Plans
FOLDER:	P2S1-S13-Subgrade-Iso-Plan.dgn
MODEL:	N/A
SHEET 13	OF 60

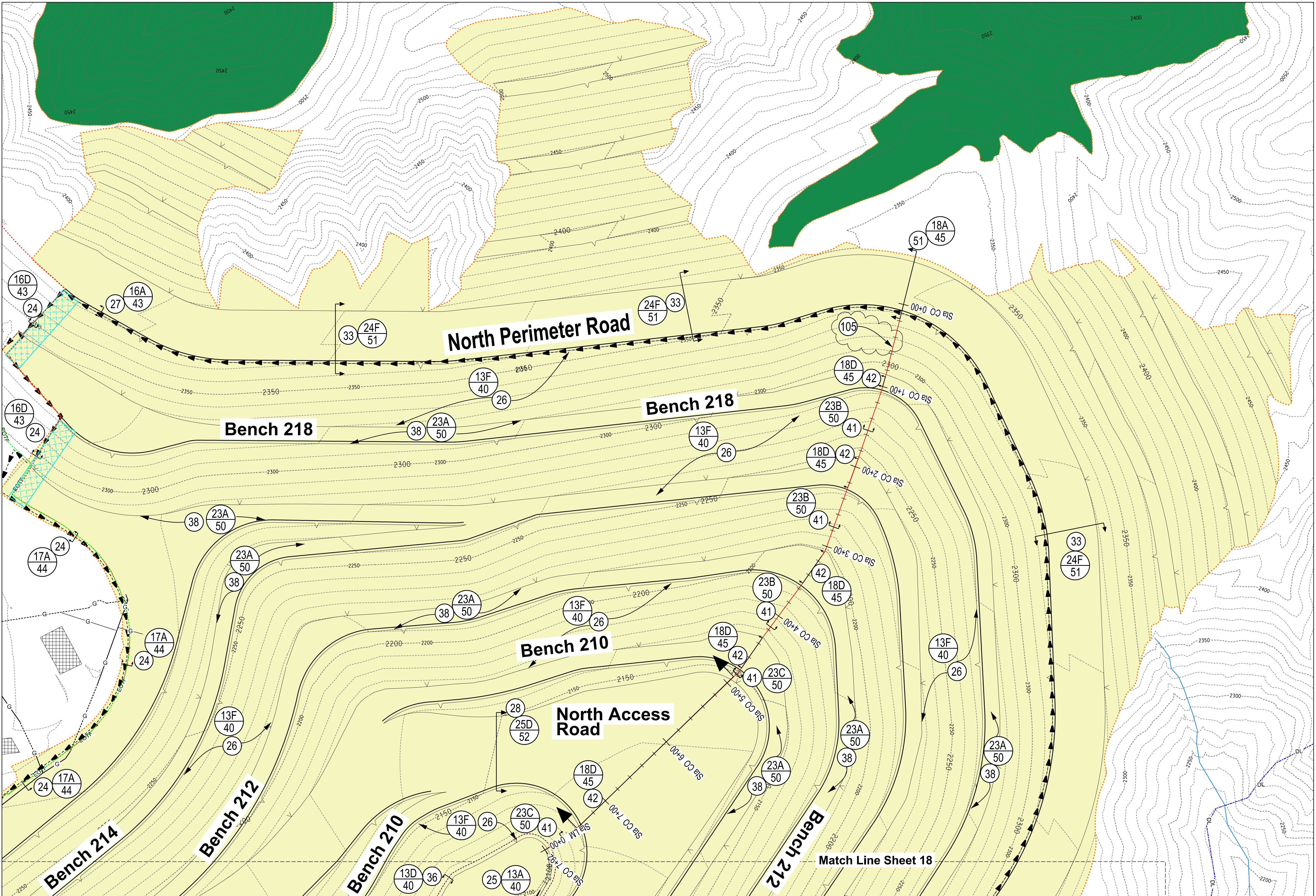
Construction Notes

- 24 Join to Existing Side Slope Liner System
 - 25 Construct B3 Bottom Liner System
 - 26 Construct Side Slope Liner System
 - 27 Construct Typical 3x2 Anchor Trench Liner Termination along Bench 220 (Northern Perimeter Road without Drainage Channel)
 - 28 Construct Typical 3x2 Anchor Trench Liner System along North Access Road (NAR) Part 4 Curved
 - 33 Construct Typical 3x2 Anchor Trench Liner Termination along Bench 220 (Northern Perimeter Road with Drainage Channel)
 - 36 Construct Typical Toe Liner System
 - 38 Construct Typical Intermediate Bench Liner System
 - 41 Install 4" HDPE SDR 11 Solid Cleanout Pipe along Side Slopes.
 - 42 Install 4" HDPE SDR 11 Solid Cleanout Pipe along benches
 - 51 Install Bollards Adjacent to Termination of Cleanout along Bench 220 (NPR)
- Lay 4" HDPE Cleanout Line against slope. Fasten Cleanout Line to geotextile on slope with 2'x2' sections of 16 oz/sy geotextile via heatbonding with 6" minimum overlaps, every 10' o.c. or as directed by Engr.

LEGEND

- Cleanout Line Alignment
- Project Limits
- Existing Ground Contours With Subgrade Design (10' interval)
- EOTF Edge of (Trash) Fill
- Existing HDPE Liner Limits
- Stockpile Fill Areas
- Sacrificial HDPE Panel
- Structure to Protect in Place
- Subgrade Design Area
- Gasline (Protect in Place)
- Disturbance Limits
- Anchor Trench Alignment
- Streambed
- Grading Limits
- LPL Limits
- Hinge Line
- Toe Line
- Proposed HDPE Liner Limits

Note: All quantities are approximate



NO.	REVISIONS	BY	APPROVED	DATE
1	Partial removal of the cleanout line trench	BH	MR	11 May 23



DESIGNED BY:	BH
DRAWN BY:	EZ
CHECKED BY:	SNL
DATE:	April 26, 2023
DATE OF PHOTOGRAPHY:	May 2022

RIVERSIDE COUNTY
DEPARTMENT OF
WASTE RESOURCES

Hans Kernkamp
General Manager-Chief Engineer

Scale: 1" = 120' @ 11x17 1" = 60' @ 22x34

Datum is mean sea level

Badlands Sanitary Landfill
Liner System Construction -Phase 2, Stage 1
Anchor Trench, GCL, FML & 16 oz Geotextile (North)

SCALE:	1"=120' @ 11x17 1"=60' @ 22x34
SERVER:	/Waste-16fs03/BL-ENG
FOLDER:	Ba/Exp/P2S1/Design/Plans
FOLDER:	P2S1-S20-AT-GCL-FML-North.dgn
MODEL:	N/A
SHEET 20	OF 60