CHIQUITA CANYON
A Waste Connections Company

May 13, 2025

Via E-Mail
Karen Gork
Chief Environmental Health Specialist
Los Angeles County Department of Public Health
Local Enforcement Agency
Environmental Programs Division
5050 Commerce Drive,
Baldwin Park, California 91706
KGork@ph.lacounty.gov

Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues and Monthly Summary

Dear Ms. Gork:

In accordance with the Local Enforcement Agency's ("LEA") May 2, 2024 letter approving Chiquita's April 16, 2024 Second Revised Written Plan for Documenting and Tracking Cover Issues ("Second Revised Written Plan"), the LEA's May 29, 2024 letter, and the LEA's June 6, 2024 Compliance Order, Chiquita presents the enclosed report for documenting and tracking cover issues for the week of May 5, 2025 to May 10, 2025. Included in this report is the monthly summary of fissures and tension cracks prepared for April 2025, pursuant to the Second Revised Written Plan.

Please contact me if you have any questions regarding this matter.

Regards,

Amanda Froman
Compliance Manager
Chiquita Canyon, LLC

Attachment: May 5, 2025 Weekly Cover Issues Report and Monthly Summary
cc: Mark Como, Department of Public Health
Eric Morofuji, Department of Public Health

Fissures and Tension Cracks

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

5 May 2025 / Tom Roe

Complete

Conducted on	5 May 2025 8:34 AM PDT
Prepared by	Tom Roe

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1

Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.

Grid Location	146

Using the Media link below, attach the before photo of the fissure of tension crack.

5 May 2025 8:35 AM PDT

Photo 1

Photo 2

Photo 3

Photo 4

Length of crack (ft) or area containing multiple cracks (ft x ft)	10ft x 25ft
Horizontal Offset (width)	Large >4" in width

Opened wider as it was being track walked

Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	NW to SE
Location	Castaic CA 91384 United States (34.435786949502706, -118.64702015194915)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes

Photo 5

Date and time of repairs	5 May 2025 10:23 AM PDT

Description of repairs	Other (please describe)

Cracks were tracked further to make sure it didn't open wider and then dirt was added to fill cracks and track walked.

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
2

Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.

Grid Location	147

Using the Media link below, attach the before photo of the fissure of tension crack.	5 May 2025 8:47 AM PDT

Photo 6

Photo 7

Photo 8

Length of crack (ft) or area containing multiple cracks (ft x ft)	35ft x 30ft
Horizontal Offset (width)	Small 0.5-2" in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	NW to SE
Location	Castaic CA 91384 United States (34.435702056713595, -118.64670872804837)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes

Photo 9

Date and time of repairs	5 May 2025 9:41 AM PDT
Description of repairs	Cracks were track walked.

Instability	
Are there any indications of slope stability concerns?	No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

6 May 2025 / Tom Roe

Complete

Conducted on	6 May 2025 9:22 AM PDT
Prepared by	Tom Roe

Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1	
Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.

Grid Location	146

Using the Media link below, attach the before photo of the fissure of tension crack.

6 May 2025 10:28 AM PDT

Photo 1

Photo 2

Photo 3

Photo 4

Length of crack (ft) or area containing multiple cracks (ft x ft)	15ft x 40ft
Horizontal Offset (width)	Small 0.5-2" in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	NW to SE
Location	Castaic CA 91384 United States (34.43630487748022, -118.64682279688768)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes

Photo 5

Date and time of repairs	6 May 2025 12:21 PM PDT
Description of repairs	Other (please describe)

Area was sprayed with water and track walked.

Instability	
Are there any indications of slope stability concerns?	No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

7 May 2025 / Tom Roe

Complete

Conducted on	7 May 2025 9:07 AM PDT
Prepared by	Tom Roe

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1

Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.

Grid Location	147

Using the Media link below, attach the before photo of the fissure of tension crack.

7 May 2025 9:12 AM PDT

Photo 1

Photo 2

Photo 3

Photo 4

Length of crack (ft) or area containing multiple cracks (ft x ft)	40ft
Horizontal Offset (width)	Small 0.5-2" in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	NW to SE
Location	Castaic CA 91384 United States (34.43595726977515, -118.64696499902628)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes

Photo 5

Photo 6

Date and time of repairs	7 May 2025 10:33 AM PDT
Description of repairs	Other (please describe)

Dirt was added and compacted to part of the crack and the other sections was track walked.

Instability	
Are there any indications of slope stability concerns?	No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

8 May 2025 / John Boucher

Complete

Conducted on	8 May 2025 9:39 AM PDT
Prepared by	John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1	
Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.

Grid Location	147
Using the Media link below, attach the before photo of the fissure of tension crack.	8 May 2025 9:40 AM PDT

Photo 1

Photo 2

Length of crack (ft) or area containing multiple cracks (ft x ft)	4ft

Horizontal Offset (width)	Extra Small <0.5 in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	N to S
Location	Castaic CA 91384 United States (34.43570745030771, -118.64664751387265)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes

Photo 3

Photo 4

Date and time of repairs	8 May 2025 11:04 AM PDT
Description of repairs	Other (please describe)

New soil was added and compacted to seal area.

Instability

Are there any indications of slope stability concerns?	No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

9 May 2025 / John Boucher

Complete

Conducted on	9 May 2025 11:35 AM PDT
Prepared by	John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1	
Fissure or Tension Crack Found?	No

Grid 147

Photo 1

Instability	
Are there any indications of slope stability concerns?	No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

10 May 2025 / John Boucher

Complete

Conducted on	10 May 2025 10:01 AM PDT
Prepared by	John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks 1

Fissure or Tension Crack Found?	No

Grid 170

Photo 1

Instability

Are there any indications of slope stability concerns?	No

Settlement

Settlement Data Notes

- The charts on the following page show the settlement in cubic yards measured at a fixed location.
- The map shows the area between 5/8/2024 and 5/7/2025 where the grades have changed more than 10 feet. A typical MSW strain rate is 3% per year - for a landfill with a 300-foot waste column, this would be 9 feet per year.
- During normal site operations before site closure, large stockpiles of rock materials were maintained, and sometimes moved as other operations necessitated. The areas used for these material stockpiles were south and east of the lined area. There is not a way to differentiate between settlement and stockpile movements.
- On a monthly basis, SCS leads the collection and review of data to determine whether the boundaries of the Reaction Area, as defined in the Stipulated Order for Abatement with the South Coast Air Quality Management District (SCAQMD), have changed. The Reaction Committee of experts formed under the Stipulated Order then further reviews and submits these monthly determinations to SCAQMD. These determinations are also posted on Chiquita's website. As part of this monthly review, SCS considers the below factors in determining the estimated boundary of the reaction area. Expansion of the reaction boundary should be assessed based on consideration of all of these factors.
  - Landfill gas (LFG) wellhead temperatures in excess of approximately 160 degrees Fahrenheit.
  - Poor gas quality (defined as methane levels of less than 30 percent) in conjunction with methane-to-carbon dioxide (CH_4:CO2) ratios less than 1.0.
  - The concentration of hydrogen (H_2) in the LFG measured greater than 2 percent by volume.
  - The concentration of carbon monoxide (CO) in the LFG measured greater than 2,000 ppm.
  - Accelerated settlement of the landfill surface, defined as approximately 18 inches or greater within a 60-day period, and cracks in the landfill cover.
  - First-hand observations of the Chiquita Canyon Landfill (Landfill) and/or SCS engineering, construction, and operations and maintenance field personnel who are on-site related to: 1) atypical excess leachate quantities (presence and quantity of liquids); 2) instances of pressurized liquids emitting from the Landfill surface, from boreholes during drilling, and from LFG wells; and, 3) the characteristics of the odors originating from the select areas of the waste footprint (often described as "chemical-like" and distinctly different from typical LFG or landfill working face odors).
  - Observations of subsurface waste conditions and characteristics as noted on borehole drilling logs for recently installed new wells and/or TMPs.
  - Subsurface temperatures recorded at the in-situ waste TMPs during the month being assessed.
  - Temperature of gas or liquids measured at depth within the LFG well riser pipe (using an automated transmitter or manual field instrumentation).

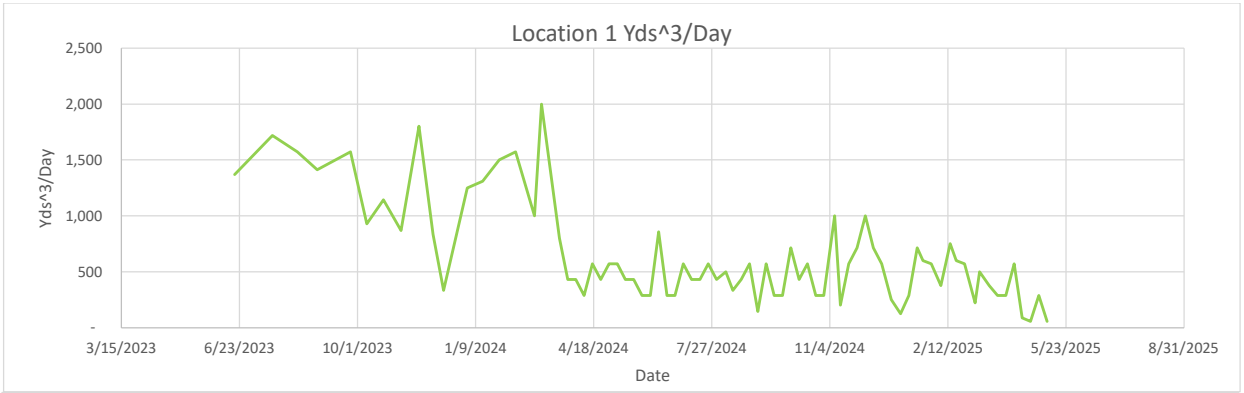
Location 1

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day	
5/31/2023	0	-	-	-	
6/19/2023	19	26,000	26,000	1,368	
7/21/2023	32	55,000	90,000	1,719	
8/11/2023	21	33,000	126,000	1,571	
8/28/2023	17	24,000	156,000	1,412	
9/25/2023	28	44,000	205,000	1,571	
10/9/2023	14	13,000	229,000	929	
10/23/2023	14	16,000	254,000	1,143	
11/7/2023	15	13,000	272,000	867	
11/22/2023	15	27,000	304,000	1,800	
12/4/2023	12	10,000	325,000	833	
12/13/2023	9	3,000	338,000	333	
1/2/2024	20	25,000	352,000	1,250	*Waste fill near reaction area
1/15/2024	13	17,000	367,000	1,308	
1/29/2024	14	21,000	377,000	1,500	*Waste fill near reaction area
2/12/2024	14	22,000	398,000	1,571	
2/28/2024	16	16,000	411,000	1,000	
3/5/2024	6	12,000	430,000	2,000	
3/20/2024	15	12,000	436,000	800	
3/27/2024	7	3,000	442,362	429	
4/3/2024	7	3,000	454,000	429	
4/10/2024	7	2,000	459,000	286	
4/17/2024	7	4,000	467,000	571	
4/24/2024	7	3,000	476,000	429	
5/1/2024	7	4,000	484,000	571	
5/8/2024	7	4,000	494,000	571	
5/15/2024	7	3,000	505,000	429	
5/22/2024	7	3,000	511,000	429	
5/29/2024	7	2,000	524,000	286	
6/5/2024	7	2,000	532,000	286	
6/12/2024	7	6,000	542,853	857	
6/19/2024	7	2,000	540,000	286	
6/26/2024	7	2,000	545,000	286	
7/3/2024	7	4,000	555,000	571	
7/10/2024	7	3,000	563,000	429	
7/17/2024	7	3,000	573,000	429	
7/24/2024	7	4,000	590,000	571	
7/31/2024	7	3,000	597,000	429	
8/8/2024	8	4,000	609,000	500	
8/14/2024	6	2,000	619,000	333	
8/21/2024	7	3,000	631,000	429	
8/28/2024	7	4,000	649,000	571	
9/4/2024	7	1,000	654,000	143	
9/11/2024	7	4,000	665,000	571	
9/18/2024	7	2,000	673,000	286	
9/25/2024	7	2,000	679,000	286	
10/2/2024	7	5,000	696,000	714	
10/9/2024	7	3,000	689,000	429	
10/16/2024	7	4,000	706,000	571	
10/23/2024	7	2,000	712,000	286	
10/30/2024	7	2,000	719,000	286	
11/8/2024	9	9,000	739,000	1,000	
11/13/2024	5	1,000	739,000	200	
11/20/2024	7	4,000	753,000	571	
11/27/2024	7	5,000	768,000	714	
12/4/2024	7	7,000	788,000	1,000	
12/11/2024	7	5,000	794,000	714	
12/18/2024	7	4,000	807,000	571	
12/26/2024	8	2,000	816,000	250	
1/3/2025	8	1,000	821,000	125	
1/10/2025	7	2,000	835,000	286	
1/17/2025	7	5,000	843,000	714	
1/22/2025	5	3,000	856,000	600	
1/29/2025	7	4,000	868,000	571	
2/6/2025	8	3,000	880,000	375	
2/14/2025	8	6,000	894,000	750	
2/19/2025	5	3,000	903,000	600	
2/26/2025	7	4,000	915,000	571	
3/7/2025	9	2,000	925,000	222	
3/11/2025	4	2,000	930,000	500	
3/19/2025	8	3,000	945,000	375	
3/26/2025	7	2,000	956,000	286	
4/2/2025	7	2,000	964,000	286	
4/9/2025	7	4,000	985,000	571	
4/16/2025	7	600	990,000	86	
4/23/2025	7	400	991,000	57	
4/30/2025	7	2,000	1,009,000	286	
5/7/2025	7	400	1,020,000	57	

Location 2

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day	
5/31/2023	0	-	-	-	
6/19/2023	19	18,000	18,000	947	
7/21/2023	32	34,000	54,000	1,063	
8/11/2023	21	20,000	75,000	952	
8/28/2023	17	15,000	93,000	882	
9/25/2023	28	26,000	121,000	929	
10/9/2023	14	8,000	134,000	571	
10/23/2023	14	10,000	149,000	714	
11/7/2023	15	7,000	161,000	467	
11/22/2023	15	13,000	178,000	867	
12/4/2023	12	5,000	190,000	417	
12/13/2023	9	1,000	197,000	111	
1/2/2024	20	16,000	199,000	800	*Waste fill near reaction area
1/15/2024	13	10,000	208,000	769	
1/29/2024	14	11,000	220,000	786	*Waste fill near reaction area
2/12/2024	14	12,000	233,000	857	
2/28/2024	16	9,000	241,000	563	
3/5/2024	6	8,000	254,000	1,333	
3/20/2024	15	6,000	254,000	400	
3/27/2024	7	2,000	260,000	286	
4/3/2024	7	1,000	267,000	143	
4/10/2024	7	1,000	269,000	143	
4/17/2024	7	1,000	274,000	143	
4/24/2024	7	2,000	281,000	286	
5/1/2024	7	2,000	284,000	286	
5/8/2024	7	2,000	289,000	286	
5/15/2024	7	1,000	296,000	143	
5/22/2024	7	1,000	300,000	143	
5/29/2024	7	1,000	308,000	143	
6/5/2024	7	1,000	312,000	143	
6/12/2024	7	3,000	316,000	429	
6/19/2024	7	1,000	315,000	143	
6/26/2024	7	1,000	320,000	143	
7/3/2024	7	2,000	330,000	286	
7/10/2024	7	1,000	334,000	143	
7/17/2024	7	1,000	339,000	143	
7/24/2024	7	1,000	350,000	143	
7/31/2024	7	1,000	354,000	143	
8/8/2024	8	1,000	361,000	125	
8/14/2024	6	1,000	366,000	167	
8/21/2024	7	2,000	375,000	286	
8/28/2024	7	2,000	385,000	286	
9/4/2024	7	300	387,000	43	
9/11/2024	7	1,000	393,000	143	
9/18/2024	7	400	396,000	57	
9/25/2024	7	400	397,000	57	
10/2/2024	7	4,000	407,000	571	
10/9/2024	7	2,000	406,000	286	
10/16/2024	7	1,000	412,000	143	
10/23/2024	7	500	415,000	71	
10/30/2024	7	500	419,000	71	
11/8/2024	9	4,000	431,000	444	
11/13/2024	5	500	432,000	100	
11/20/2024	7	2,000	441,000	286	
11/27/2024	7	1,000	448,000	143	
12/4/2024	7	4,000	461,000	571	
12/11/2024	7	1,000	461,000	143	
12/18/2024	7	3,000	471,000	429	
12/26/2024	8	1,000	473,000	125	
1/3/2025	8	1,000	478,000	125	
1/10/2025	7	300	485,000	43	
1/17/2025	7	1,000	490,000	143	
1/22/2025	5	1,000	498,000	200	
1/29/2025	7	1,000	503,000	143	
2/6/2025	8	1,000	511,000	125	
2/14/2025	8	2,000	518,000	250	
2/19/2025	5	1,000	523,000	200	
2/26/2025	7	1,000	531,000	143	
3/7/2025	9	400	536,000	44	
3/11/2025	4	700	537,000	175	
3/19/2025	8	2,000	547,000	250	
3/26/2025	7	300	551,000	43	
4/2/2025	7	400	558,000	57	
4/9/2025	7	2,000	569,000	286	
4/16/2025	7	200	573,000	29	
4/23/2025	7	60	572,000	9	

4/30/2025	7	1,000	585,000	143
5/7/2025	7	200	591,000	29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Yds^3/Day
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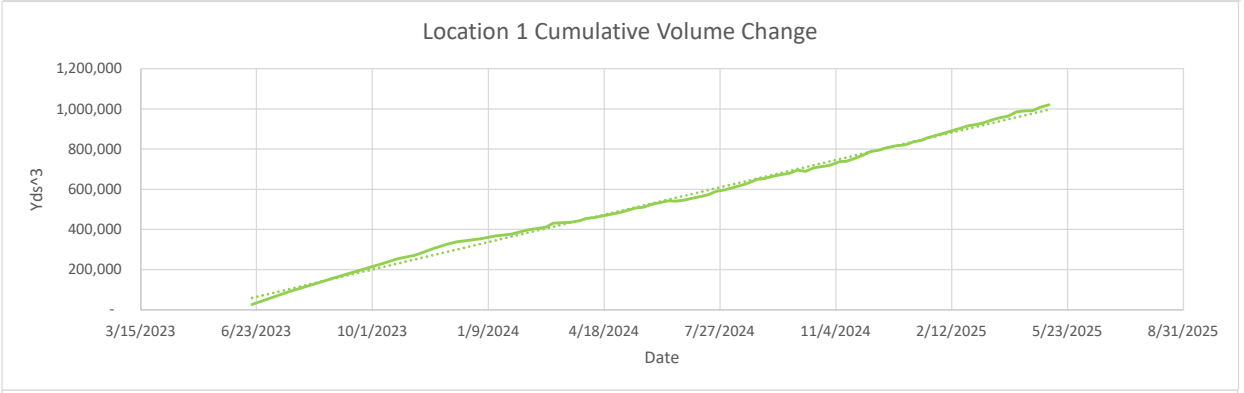
2,000
1,500
1,000
500
-
3/15/2023
6/23/2023
10/1/2023
1/9/2024
4/18/2024
7/27/2024
11/4/2024
2/12/2025
5/23/2025
8/31/2025
Date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Yds^3
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1,000,000
800,000
600,000
400,000
200,000
-
3/15/2023
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10/1/2023
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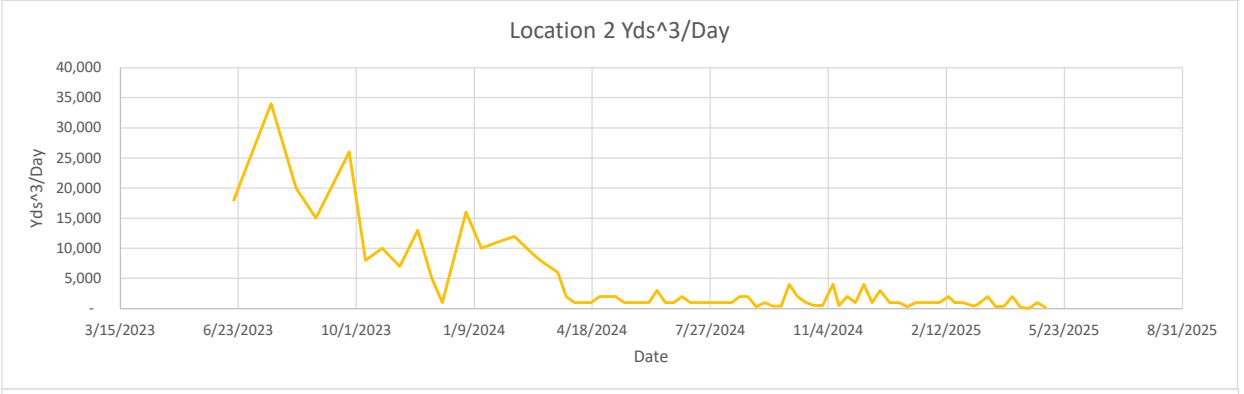
5/23/2025
8/31/2025
Date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Yds^3/Day
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35,000
30,000
25,000
20,000
15,000
10,000
5,000
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6/23/2023
10/1/2023
1/9/2024
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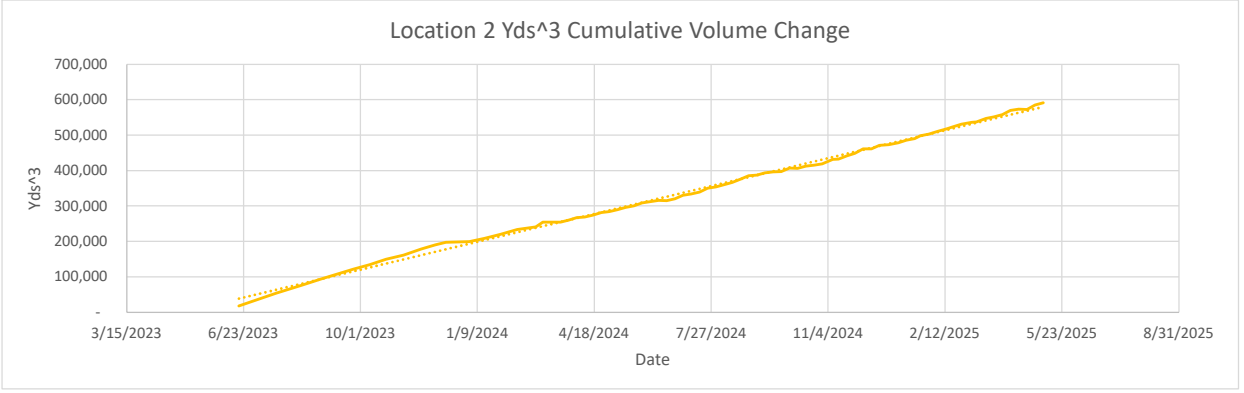
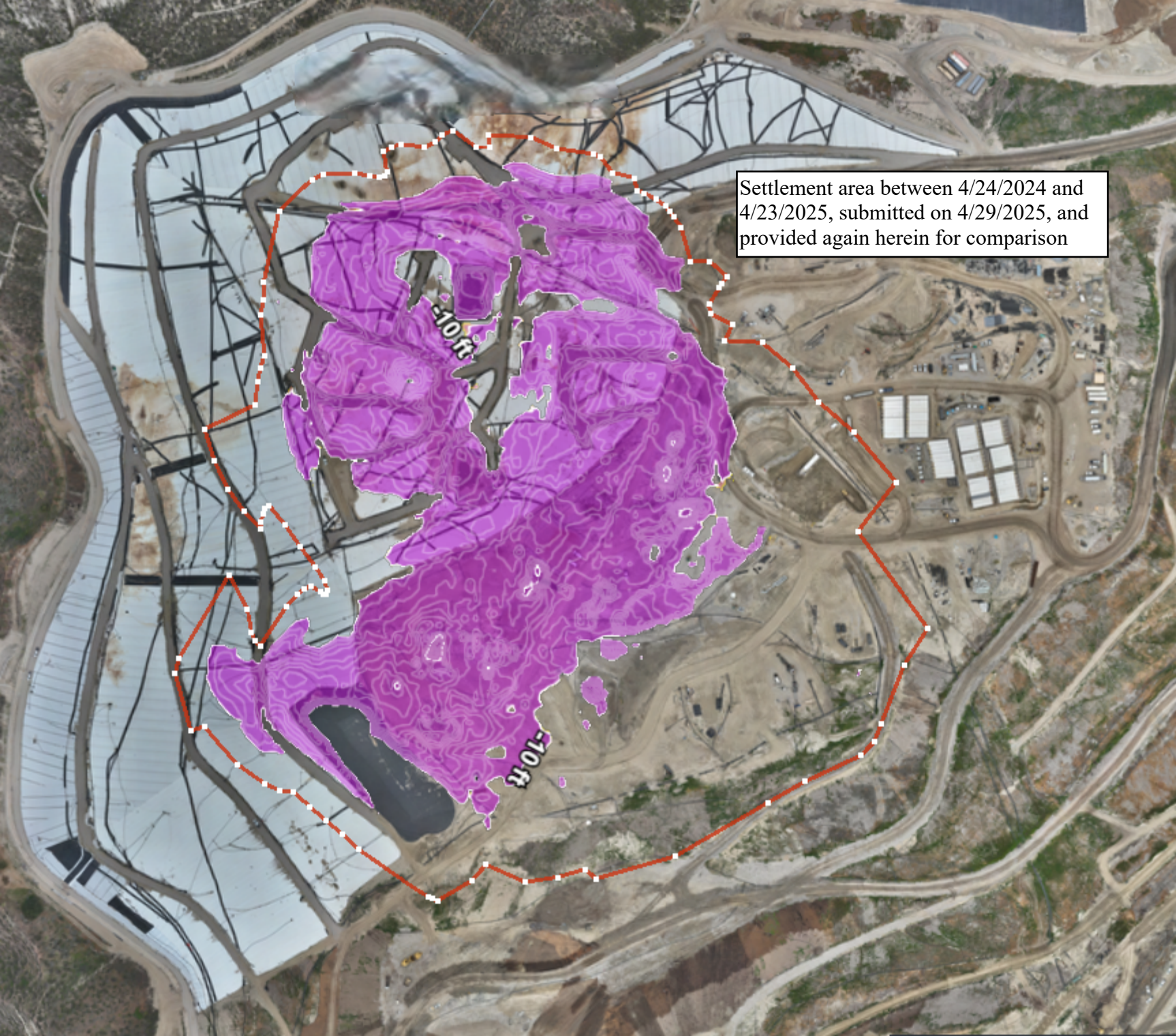
7/27/2024
11/4/2024
2/12/2025
5/23/2025
8/31/2025
Date


Location 2 Yds^3 Cumulative Volume Change
Yds^3
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
3/15/2023
6/23/2023
10/1/2023
1/9/2024
4/18/2024
7/27/2024
11/4/2024
2/12/2025
5/23/2025
8/31/2025
Date


-10ft
-10ft


Settlement area between 4/24/2024 and 4/23/2025, submitted on 4/29/2025, and provided again herein for comparison
-10ft
-10ft

Geosynthetic Cover

4050 - Geosynthetic Cover Inspection

5 May 2025 / Tom Roe

Complete

Flagged items	0
Conducted on	5 May 2025 12:49 PM PDT
Prepared by	Tom Roe

Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?	Yes

Found 5/5/25 1:09pm Grid 201

Take photo of identified issues

Photo 1

Notate what the issue is and what needs to be repaired	Puncture in cover needs to be extrusion welded.

Take photo of repair

Photo 2

Photo 3

Description of repair work	Taped with flex seal upon discovery on 5/5/25. Permanent repairs were completed by

extrusion welding on 5/6/25.

Date and time of repair (within 2 hours)	5 May 2025 1:10 PM PDT
Are further permanent repairs required?	No

Identified Issue 2

Are there any issues with the geosynthetic cover?	Yes

Found 5/5/25 1:15pm Grid 201

Take photo of identified issues

Photo 4

Notate what the issue is and what needs to be repaired	Puncture in cover needs to be extrusion welded.

Take photo of repair

Photo 5

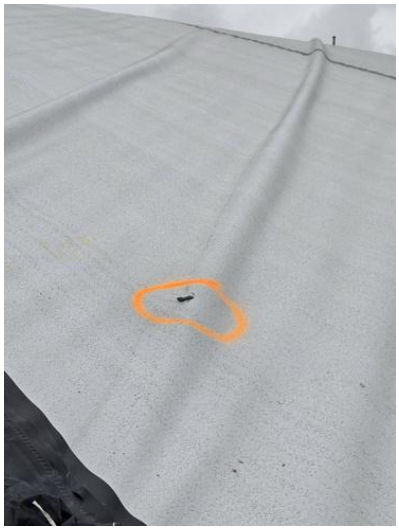


Photo 6

Description of repair work	Taped with flex seal upon

	discovery on 5/5/25. Permanent repairs were completed by extrusion welding on 5/6/25.
Date and time of repair (within 2 hours)	5 May 2025 1:16 PM PDT
Are further permanent repairs required?	No

Identified Issue 3

Are there any issues with the geosynthetic cover?	Yes

Found 5/5/25 1:20pm Grid 201

Take photo of identified issues

Photo 7

Notate what the issue is and what needs to be repaired	Puncture in cover needs to be extrusion welded.

Take photo of repair

Photo 8

Photo 9

Description of repair work	Taped with flex seal upon discovery on 5/5/25. Permanent repairs were completed by extrusion welding on 5/6/25.
Date and time of repair (within 2 hours)	5 May 2025 1:21 PM PDT
Are further permanent repairs required?	No
Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No
Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

4050 - Geosynthetic Cover Inspection

6 May 2025 / Tom Roe

Complete

Flagged items	0
Conducted on	6 May 2025 12:28 PM PDT
Prepared by	Tom Roe

Identification of Issues	
Identified Issue	
Identified Issue 1	
Are there any issues with the geosynthetic cover?	No

Photo 1

Photo 2

Photo 3

Photo 4

Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No
Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

4050 - Geosynthetic Cover Inspection

7 May 2025 / Tom Roe

Complete

Flagged items	0
Conducted on	7 May 2025 1:47 PM PDT
Prepared by	Tom Roe

Identification of Issues	
Identified Issue	
Identified Issue 1	
Are there any issues with the geosynthetic cover?	No

Photo 1

Photo 2

Photo 3

Photo 4

Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No
Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

4050 - Geosynthetic Cover Inspection

8 May 2025 / John Boucher

Complete

Flagged items	0
Conducted on	8 May 2025 2:21 PM PDT
Prepared by	John Boucher

Identification of Issues	
Identified Issue	
Identified Issue 1	
Are there any issues with the geosynthetic cover?	No

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

4050 - Geosynthetic Cover Inspection

9 May 2025 / John Boucher

Complete

Flagged items	0
Conducted on	9 May 2025 10:41 AM PDT
Prepared by	John Boucher

Identification of Issues	
Identified Issue	
Identified Issue 1	
Are there any issues with the geosynthetic cover?	No

Photo 1

Photo 2

Photo 3

Photo 4

Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No
Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

4050 - Geosynthetic Cover Inspection

10 May 2025 / John Boucher

Complete

Flagged items	0
Conducted on	10 May 2025 10:23 AM PDT
Prepared by	John Boucher

Identification of Issues	
Identified Issue	
Identified Issue 1	
Are there any issues with the geosynthetic cover?	No

Photo 1

Photo 2

Photo 3

Photo 4

Instability under the cover	
Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?	No
Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?	No
Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?	No

Geo-Logic ASSOCIATES

May 13, 2025

Mr. Steve Cassulo
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California 91384

APRIL 2025 FISSURE AND TENSION CRACK MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
CASTAIC, CALIFORNIA

Dear Mr. Cassulo:

This monthly summary report was prepared by Geo-Logic Associates, Inc. (GLA) to summarize the monitoring and tracking of fissures and tension cracks that was performed at the Chiquita Canyon Landfill (Landfill) between April 1 and April 30, 2025, in accordance with Milestone 2B of the Local Enforcement Agency's (LEA) June 6, 2024 Compliance Order, formerly referred to as Mitigation Measure #2B. This summary was prepared in accordance with Chiquita Canyon, LLC's (Chiquita) April 16, 2024 Second Revised Written Plan (Second Revised Written Plan) to document and track cover issues and is associated with Milestone 2B. The conclusions in this summary are based on GLA's review and evaluation of Chiquita's daily Reaction Area Tracking of Fissures and Tension Cracks data sheets that document and track cover issues, and on information from Chiquita's drone aerial surveys.

April Observations

Chiquita conducts daily monitoring of the soil cover for fissures and tension cracks and of the geomembrane-covered area for damage or evidence of possible instability. The cracks and fissures that were observed in April 2025 are summarized in Table 1. Table 2 summarizes the daily observations performed in geomembrane-covered areas in April 2025. As indicated in these tables, no evidence of instability was observed in the soil-covered areas or the geomembrane-covered areas.

As indicated in Table 1, no cracks or fissures meeting the definition of "significant" in the Second Revised Written Plan were observed in April.[1] Additionally, no cracks or fissures

[1] Pursuant to the Second Revised Written Plan, a "significant" fissure or tension crack is one that (1) is 100 feet or longer in length; (2) has a horizontal offset of 0.5 inches or more when the fissure/crack is at least 50 feet in length; or (3) has a vertical offset of 0.5 inches or more when the fissure/crack is at least 50 feet in length or there are multiple fissures/cracks oriented in the same direction.

with "large" horizontal offset were observed in April. Although not significant, four (4) tension cracks with "medium" horizontal offset were observed in April. The locations of the grids and the relative orientations of the four cracks are shown in Figure 1. All the cracks identified in Table 1, including these four cracks, were repaired. The grid locations of these cracks on the top deck of the landfill and the orientations of the cracks indicate they were likely associated with settlement and not with slope instability.

Cross Sections

Cross sections that compare March 26, 2025 and April 30, 2025 topography are shown in Figures 2A through 2E. The locations of the cross sections are shown in Figure 1. The sections show no significant differences in slope between the March 2025 and April 2025 profiles, and no evidence of deformation indicative of instability, which is consistent with the daily site observations described above and the information summarized in Tables 1 and 2.

Previous Monitoring Results and Trends

Previous monitoring in May, June, and December 2024 indicated potentially significant cracking in the following grids:

- **Grid 183.** The May 2024 monthly summary report described one potentially significant tension crack in Grid 183 identified on May 23, 2024 that was approximately 65 feet long with 0.5 to 2 inches of horizontal offset (defined as "small"). This crack was repaired by track-walking, and no significant or potentially significant cracks were observed in this grid during subsequent monitoring in May or June. This grid has been covered with a geomembrane and there was no evidence of instability associated with this (or any) geomembrane-covered area from July 2024 through April 2025.
- **Grid 151.** The May 2024 monthly report indicated that potentially significant cracking may have been present in Grid 151 on May 20 and May 28, 2024. The June monthly report identified a crack, although not significant, with more than 4 inches of horizontal offset (defined as "large") and 0.5 to 2 inches of vertical offset (defined as "small") that was observed within an approximately 15-foot x 35-foot area of multiple cracks in this grid on June 19, 2024. The July 2024 monthly report identified a non-significant crack with more than 4 inches of horizontal offset and 0.5 to 2 inches of vertical offset that was observed in this grid on July 2, 2024. The July crack was repaired, and no cracks were observed in this grid during subsequent monitoring from August 2024 through April 2025.

- **Grid 180.** An approximately 60-foot-long crack was observed within Grid 180 on June 3, 2024. The horizontal offset was "small," which means it was between 0.5-inches and 2-inches in width. This crack was not observed or noted during subsequent June 2024 monitoring rounds. This grid has been covered with a geomembrane and there was no evidence of instability associated with this (or any) geomembrane-covered area during subsequent monitoring from July 2024 through April 2025.
- **Grid 152.** An approximately 55-foot-long crack was observed within Grid 152 on June 24, 2024. The horizontal offset was identified as "small." This crack was not observed or noted during subsequent June 2024 monitoring rounds, and there was no cracking observed in this grid during subsequent monitoring from August 2024 through April 2025. Grid 152 has been partially covered with a geomembrane and is near the center of the Landfill's top deck.
- **Grid 146.** An approximately 55-foot-long crack was observed within Grid 146 on December 4, 2024. The horizontal offset was identified as "medium" whereas the vertical offset was identified as "extra small". This crack was repaired by track-walking and was not observed during subsequent December 2024 monitoring rounds. No other potentially significant cracks or fissures were observed within this grid during subsequent monitoring from December 2024 through April 2025. Table 1 identifies two non-significant cracks with "medium" horizontal offset that were observed during the April 2025 monitoring rounds. These cracks were repaired by placing soil and track-walking.

Most of the fissures and tension cracks identified between April 2024 and April 2025 were identified in grids located on the top deck of the Landfill. Although much of the reaction area has been covered with a geomembrane and the soil cover cannot be observed in the geomembrane-covered areas, the April 2025 observations are consistent with previous observations that show no evidence of slope instability. This finding is also consistent with a GLA March 31, 2025 site visit where no evidence of potential slope instability was noted. Based on the Chiquita monitoring logs, the above-described cracks documented in April 2025 were associated with settlement and do not provide evidence of slope instability.

Please let me know if you have any questions regarding the information in this report.

Very truly yours,
Geo-**L**ogic **A**ssociates, Inc.

Richard A. Mitchell, PG, CEG
Principal Engineering Geologist

Table 1
SUMMARY OF APRIL 2025 FISSURE AND TENSION CRACK OBSERVATIONS
Chiquita Canyon Landfill

DATE	INSPECTOR	GRID	LOCATION	TYPE	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	LATITUDE	LONGITUDE	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNS
4/1/2025	Tom Roe		No Cracks Found	N/A									No
4/2/2025	Tom Roe		No Cracks Found	N/A									No
4/3/2025	John Boucher		No Cracks Found	N/A									No
4/4/2025	John Boucher		No Cracks Found	N/A									No
4/5/2025	John Boucher		No Cracks Found	N/A									No
4/7/2025	Tom Roe		No Cracks Found	N/A									No
4/8/2025	Tom Roe	146	Top Deck	Area		15x30	Extra Small	Extra Small	NW	34.435380	-118.645191	Yes	No
4/9/2025	Tom Roe		No Cracks Found	N/A									No
4/10/2025	John Boucher	146	Top Deck	Area		6x6	Extra Small	Extra Small	NS	34.436410	-118.646991	Yes	No
4/10/2025	John Boucher	146	Top Deck	Area		25x25	Extra Small	Extra Small	NS	34.436064	-118.647055	Yes	No
4/11/2025	John Boucher	155	Top Deck (South)	Area		4x10	Medium	Extra Small	EW	34.433905	-118.646831	Yes	No
4/12/2025	John Boucher		No Cracks Found	N/A									No
4/14/2025	Tom Roe	146	Top Deck	Linear	15		Extra Small	Extra Small	NW	34.435858	-118.647030	Yes	No
4/15/2025	Tom Roe		No Cracks Found	N/A									No
4/16/2025	Tom Roe		No Cracks Found	N/A									No
4/17/2025	John Boucher	146	Top Deck	Linear	25		Medium	Extra Small	NW	34.436172	-118.646889	Yes	No
4/17/2025	John Boucher	147	Top Deck	Linear	20		Extra Small	Extra Small	NS	34.435596	-118.646592	Yes	No
4/18/2025	John Boucher		No Cracks Found	N/A									No
4/19/2025	John Boucher		No Cracks Found	N/A									No
4/21/2025	Tom Roe	147	Top Deck	Linear	35		Medium	Extra Small	NW	34.435531	-118.645663	Yes	No
4/21/2025	Tom Roe	146	Top Deck	Linear	20		Medium	Extra Small	NW	34.435861	-118.647036	Yes	No
4/22/2025	Tom Roe	165	Top Deck (South)	Area		20x60	Small	Extra Small	NS	34.433624	-118.647782	Yes	No
4/23/2025	Tom Roe		No Cracks Found	N/A									No
4/24/2025	John Boucher	146	Top Deck	Linear	12		Extra Small	Extra Small	NW	34.436003	-118.646831	Yes	No
4/24/2025	John Boucher	160	Top Deck (South)	Area		20x20	Extra Small	Extra Small	NS	34.433451	-118.646944	Yes	No
4/25/2025	John Boucher	146	Top Deck	Linear	20		Extra Small	Extra Small	NW	34.435744	-118.647368	Yes	No
4/25/2025	John Boucher	147	Top Deck	Linear	6		Extra Small	Extra Small	NW	34.433617	-118.646754	Yes	No
4/25/2025	John Boucher	160	Top Deck (South)	Area		7x25	Extra Small	Extra Small	NS	34.433540	-118.646829	Yes	No
4/25/2025	John Boucher	154	Top Deck (South)	Linear	25		Small	Extra Small	NE	34.434158	-118.646688	Yes	No
4/26/2025	John Boucher		No Cracks Found	N/A									No
4/28/2025	Tom Roe	159	Top Deck (South)	Linear	45		Small	Extra Small	NE	34.433795	-118.647615	Yes	No
4/29/2025	Tom Roe		No Cracks Found	N/A									No
4/30/2025	Tom Roe	146	Top Deck	Linear	16		Extra Small	Extra Small	NS	34.435966	-118.647032	Yes	No

Table 1
SUMMARY OF APRIL 2025 FISSURE AND TENSION CRACK OBSERVATIONS
Chiquita Canyon Landfill

DATE	INSPECTOR	GRID	LOCATION	TYPE	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	LATITUDE	LONGITUDE	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNS

HORIZONTAL CRACK DEFINITIONS

Extra Small <0.5-in Width
Small 0.5-in to 2-in Width
Medium 2-in to 4-in Width
Large >4-in Width

VERTICAL CRACK DEFINITIONS

Extra Small <0.5-in Height
Small 0.5-in to 2-in Height

Table 2
SUMMARY OF APRIL 2025 GEOMEMBRANE COVER OBSERVATIONS
Chiquita Canyon Landfill

DATE	ISSUES OR CONCERNS			
	Issue Identified	Evidence of Underlying Deformation	Tension Cracks at Top of Slope or Bulging at Toe of Slope	Vetical Deformation of Infrastructure Such as Wells or Probes
4/1/2025	No	No	No	No
4/2/2025	No	No	No	No
4/3/2025	No	No	No	No
4/4/2025	No	No	No	No
4/5/2025	No	No	No	No
4/7/2025	No	No	No	No
4/8/2025	No	No	No	No
4/9/2025	Yes[a,b]	No	No	No
4/10/2025	No	No	No	No
4/11/2025	No	No	No	No
4/12/2025	No	No	No	No
4/14/2025	Yes[c]	No	No	No
4/15/2025	No	No	No	No
4/16/2025	No	No	No	No
4/17/2025	No	No	No	No
4/18/2025	No	No	No	No
4/19/2025	No	No	No	No
4/21/2025	No	No	No	No
4/22/2025	No	No	No	No
4/23/2025	No	No	No	No
4/24/2025	No	No	No	No
4/25/2025	Yes[d,e,f]	No	No	No
4/26/2025	No	No	No	No
4/28/2025	Yes[g,h]	No	No	No
4/29/2025	No	No	No	No
4/30/2025	No	No	No	No

[a]15' tear/separation in liner at seam in Grid 145. Liner was patched and extrusion welded.

[b]Two tears near in Grid 178. Liner was patched and extrusion welded.

[c]5-in tear in liner in Grid 145. Liner was repaired by extrusion welding.

[d]Liner was separated at a seam in Grid 145. The liner seam was patched by extrusion welding.

[e]Liner was separated at a seam in Grid 145. The liner seam was patched and extrusion welded.

[f]Liner was punctured in Grid 150. Punctures were patched with extrusion welding.

[g]A welded seam separated and was repaired by patching and welding.

[h]Liner was punctured in Grid 185. The punctures were repaired by patching and extrusion welding.

TWO NW-TRENDING CRACKS LESS THAN 50 FEET LONG WITH MEDIUM HORIZONTAL OFFSET IDENTIFIED IN APRIL. ONE MEASURED ON 4/17/2025 AND ONE MEASURED ON 4/21/2025.

ONE NW-TRENDING CRACK LESS THAN 50 FEET LONG WITH MEDIUM HORIZONTAL OFFSET MEASURED ON 4/21/2025.

ONE EW-TRENDING CRACK IN A 4x10 FT AREA WITH MEDIUM HORIZONTAL OFFSET MEASURED ON 4/11/2025.

Cell 2B/3/4
Feb 2004
9.38 acres

Cell 2 Phase 2B
Dec 1997
8.95 acres

Cell 2 Phase 2A
May 1997
10.68 acres

Cell 4
Nov 2005
22.67 acres

Cell 5A
Jun 2000
18.4 acres

Canyon C Cell 1
Mar 1991
28.53 acres

Canyon A
Feb 1989
20.64 acres

A-D Ridg
Summer 20
0.20 acres

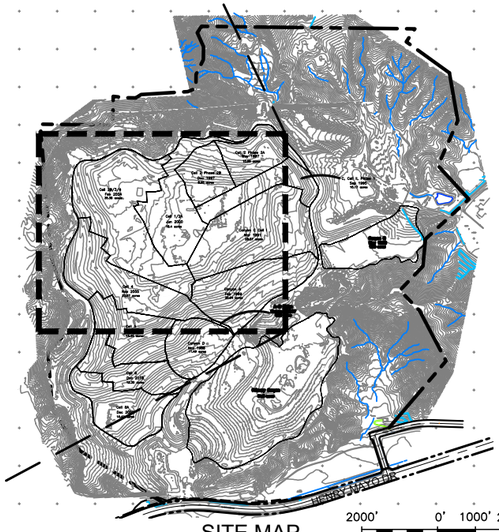
WS-A
WS-B
WS-C
WS-D
WS-E

LEGEND:

- PROPERTY LINE
- DAYLIGHT/CONTACT LINE
- (100) EXISTING GROUND SURFACE CONTOUR ELEVATION, FEET
- 100 EXISTING SUBGRADE
- WS-A / WS-A CROSS SECTION
  WS= WESTERN SLOPE EVALUATION CROSS SECTION LOCATION
  NS= NORTHERN SLOPE EVALUATION CROSS SECTION LOCATION

300' 0' 150' 300' 600'
SCALE: 1" = 300'

NOTE - CRACKS ARE SHOWN FOR THE PURPOSE OF ILLUSTRATION AND ARE NOT TO SCALE. SEE TABLE 1 FOR ACTUAL LOCATION WITHIN THE MONITORING GRIDS



SITE MAP

2000' 0' 1000' 2000'
SCALE: 1" = 2000'

ISSUED FOR REVIEW

REFERENCE AERIAL TOPO BASED ON JANUARY 16, 2025 AERIAL SURVEY BY TETRATECH WITH MONTHLY UPDATES ON APRIL 30, 2025

REV. NO.	DATE	DESCRIPTION	APPROVED BY

DATE OF ISSUE: MAY 2025
DESIGNED BY: R MITCHELL
CAD DESIGN BY: L PADILLA
CHECKED BY: R MITCHELL
APPROVED BY: R MITCHELL

DIGALERT 811

Geo-Logic ASSOCIATES
2777 EAST GUASTI ROAD
SUITE 1
ONTARIO, CA 91761
(909) 626-2282
www.geo-logic.com

CHIQUITA CANYON
A Waste Connections Company
29201 HENRY MAYO DRIVE
CASTAIC, CA 91384

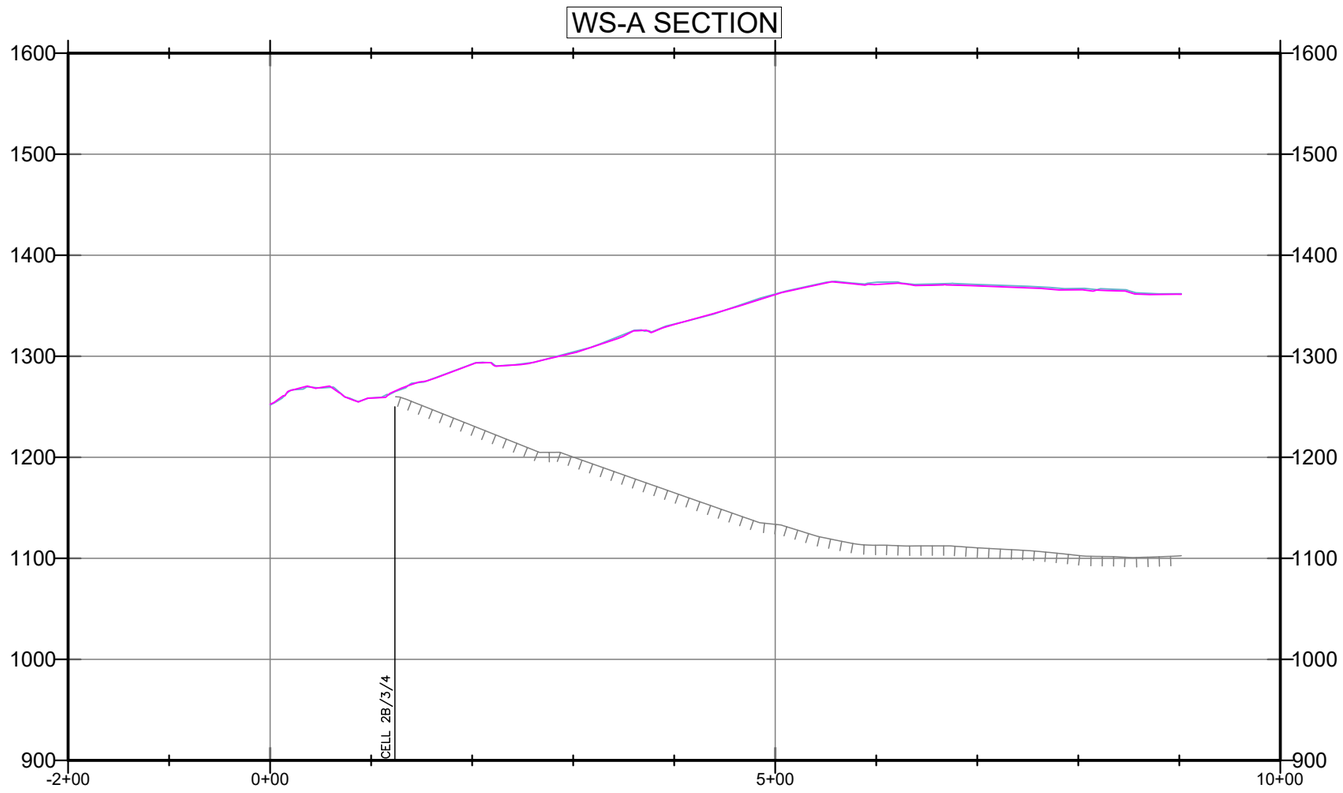
APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

MONITORING GRID

FIG NO. 01

PROJECT NO. RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 1-(2025-05-09).DWG May 9, 2025 - 5:11 PM BY: GLA-USER

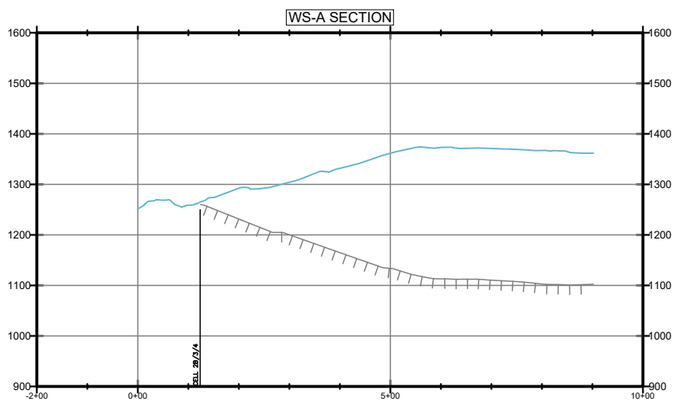


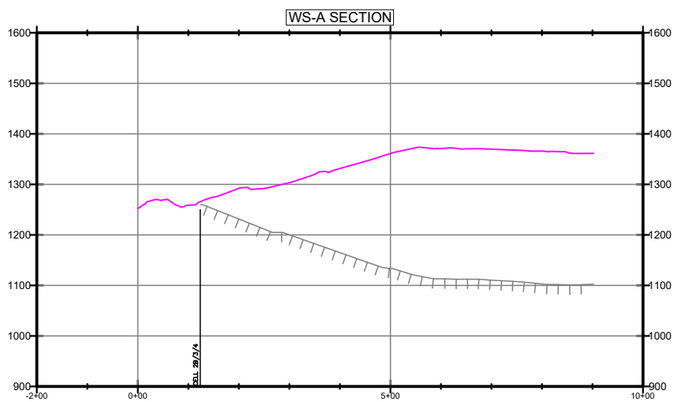
LEGEND:

- SUBGRADE
- TOPO 2025-03-26
- TOPO 2025-04-30

150’ 0’ 75’ 150’

SCALE: 1” = 150’





300’ 0’ 150’ 300’

SCALE: 1” = 300’

FIGURE 2A

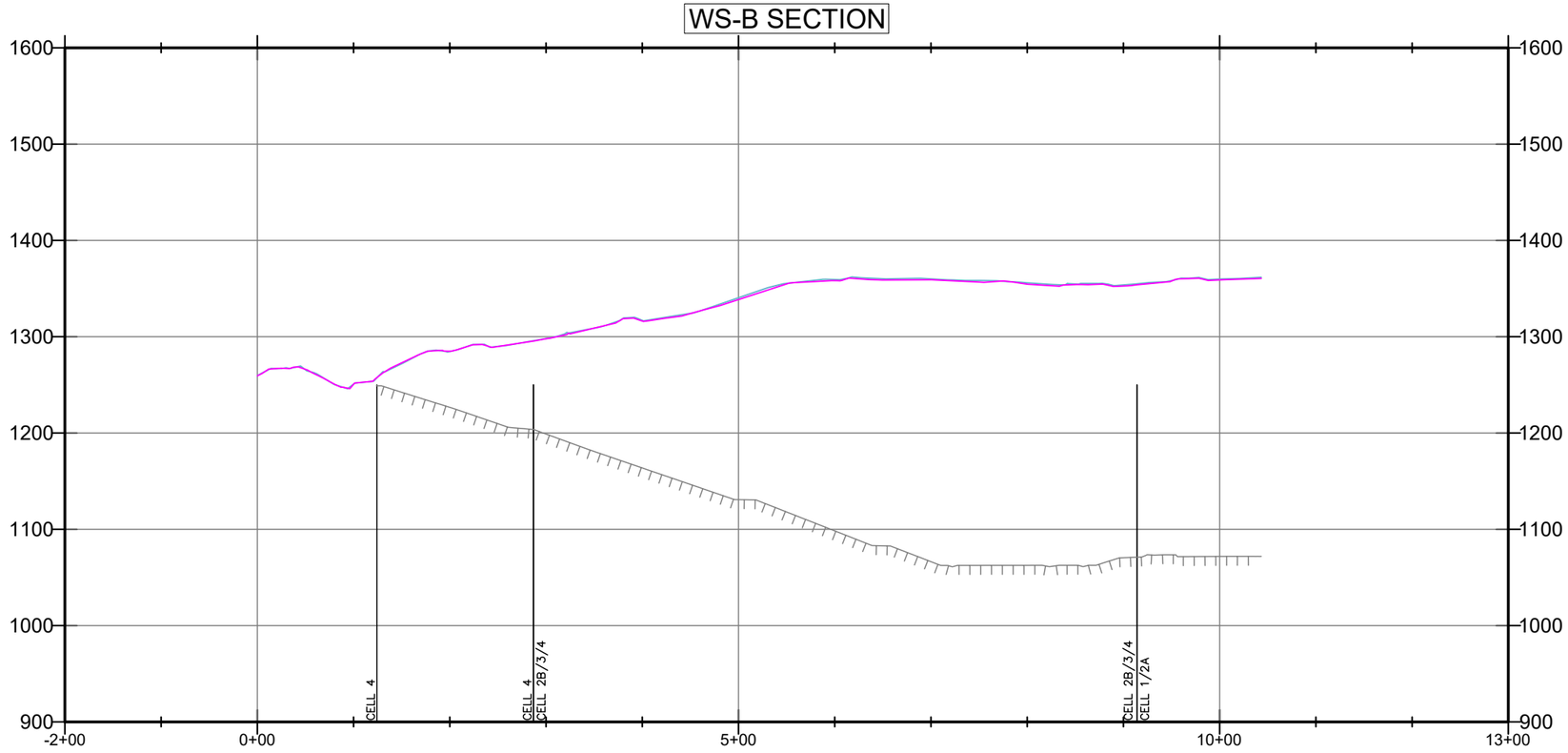
WESTERN SLOPE CROSS SECTION A

APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic ASSOCIATES

DRAWN BY: LP/RM | DATE: MAY 2025 | JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-05-09).DWG May 9, 2025 - 4:58 PM BY: GLA-USER

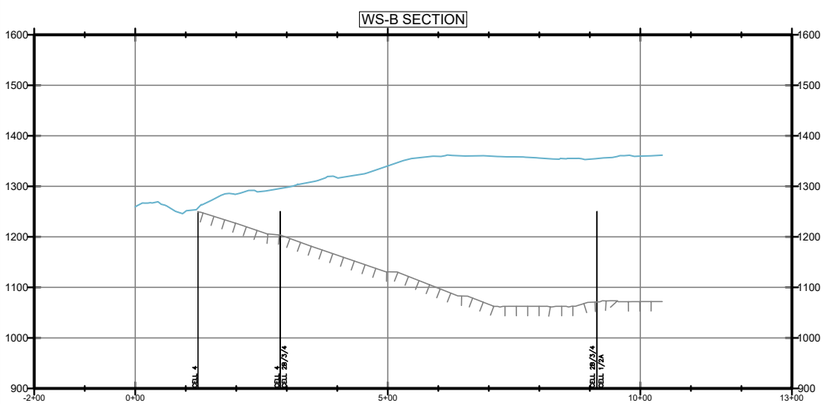


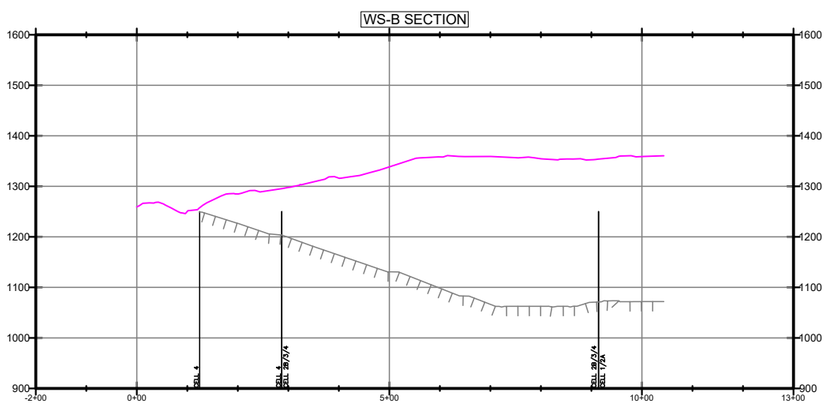
LEGEND:

- SUBGRADE
- TOPO 2025-03-26
- TOPO 2025-04-30

150’ 0’ 75’ 150’

SCALE: 1” = 150’





300’ 0’ 150’ 300’

SCALE: 1” = 300’

FIGURE 2B

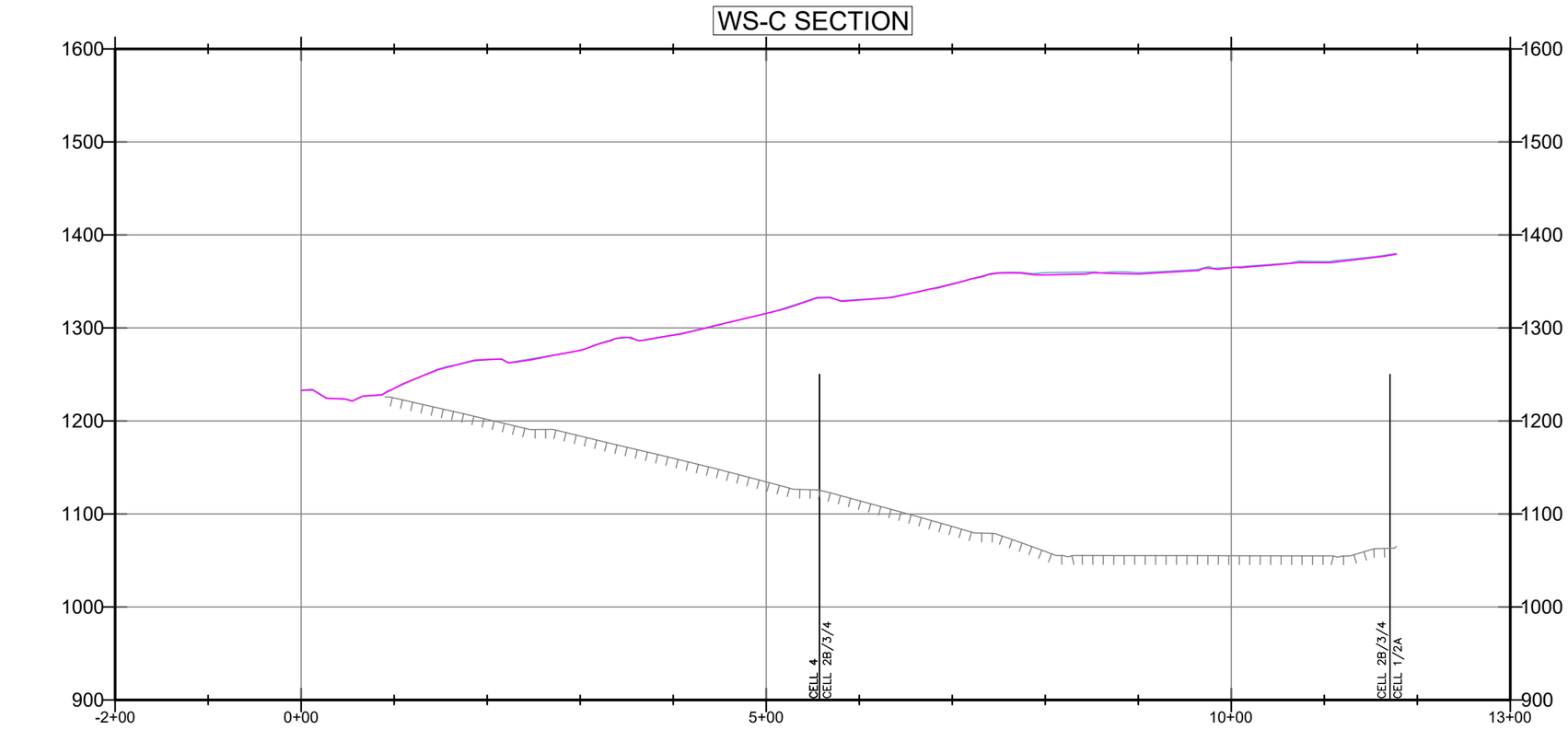
WESTERN SLOPE CROSS SECTION B

APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic ASSOCIATES

DRAWN BY: LP/RM	DATE: MAY 2025	JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-05-09).DWG May 9, 2025 - 4:57 PM BY: GLA-USER

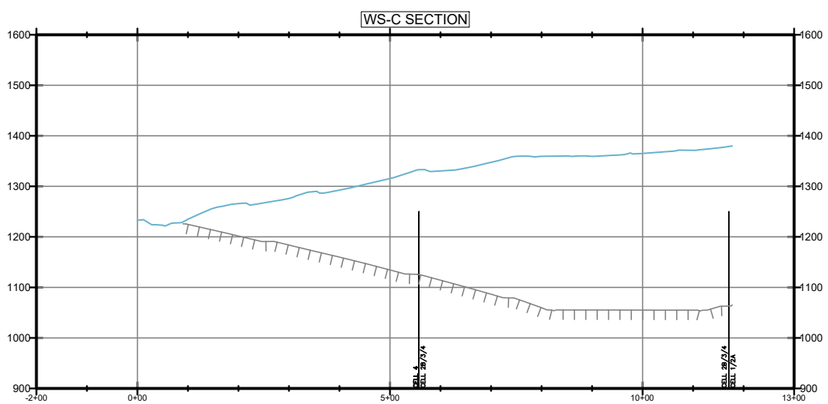


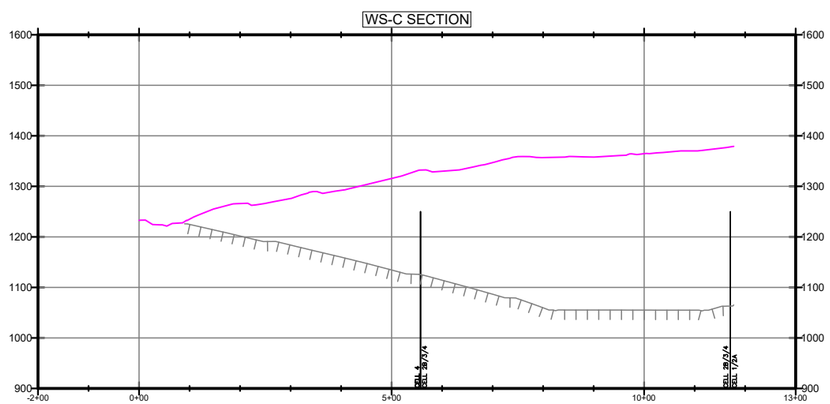
LEGEND:

- SUBGRADE
- TOPO 2025-03-26
- TOPO 2025-04-30

150’ 0’ 75’ 150’

SCALE: 1” = 150’





300’ 0’ 150’ 300’

SCALE: 1” = 300’

FIGURE 2C

WESTERN SLOPE CROSS SECTION C

APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic ASSOCIATES

DRAWN BY: LP/RM	DATE: MAY 2025	JOB NO.: RM22.1077

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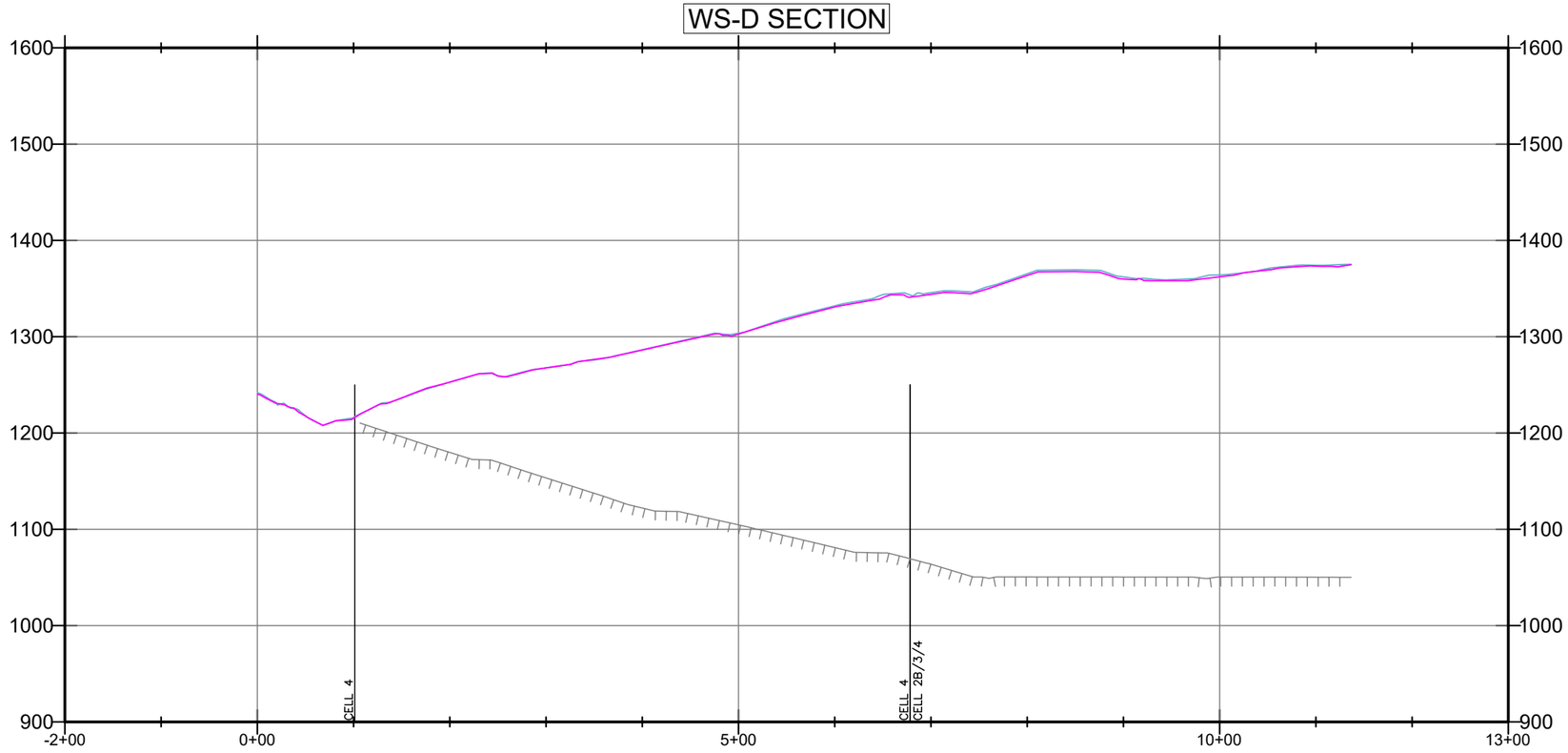
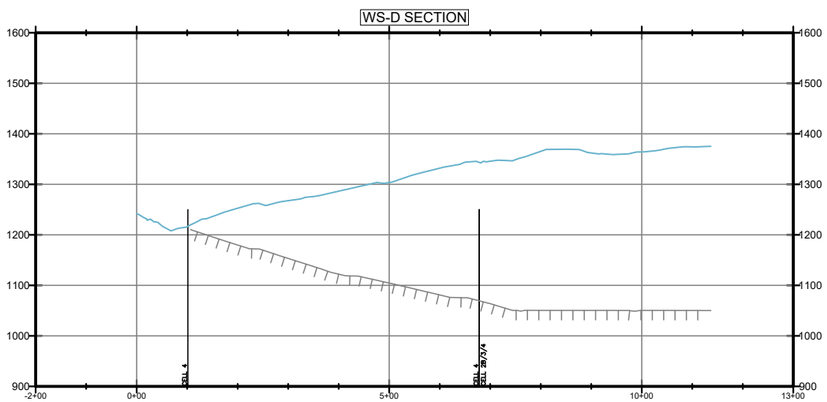


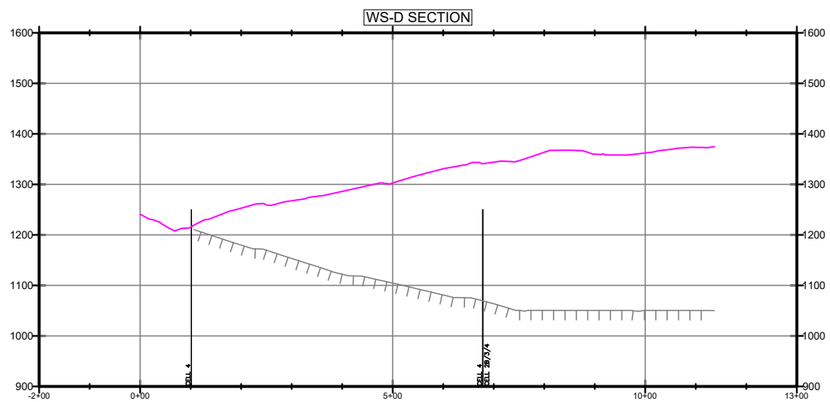
LEGEND:

- SUBGRADE
- TOPO 2025-03-26
- TOPO 2025-04-30

150’ 0’ 75’ 150’

SCALE: 1” = 150’





300’ 0’ 150’ 300’

SCALE: 1” = 300’

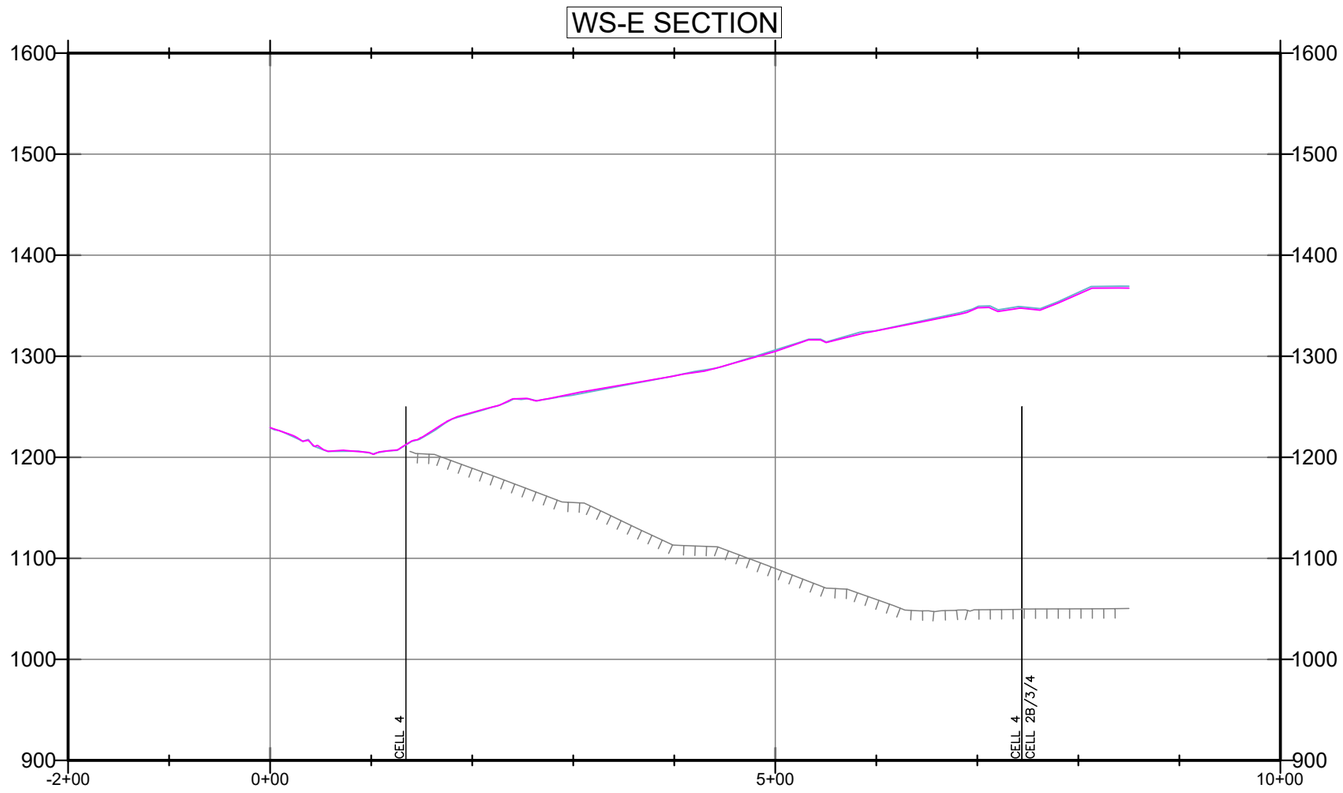
FIGURE 2D

WESTERN SLOPE CROSS SECTION D

APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic ASSOCIATES

DRAWN BY: LP/RM	DATE: MAY 2025	JOB NO.: RM22.1077

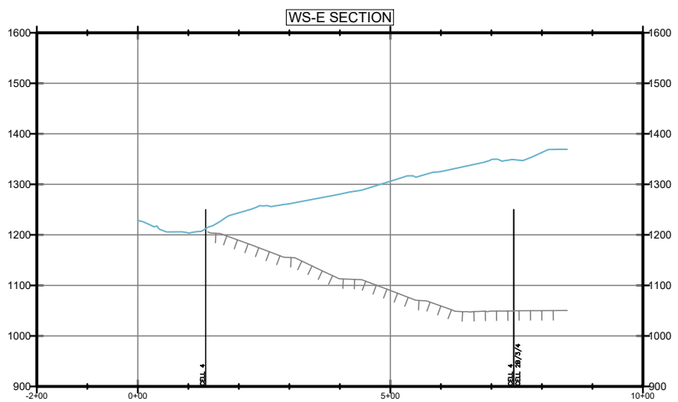


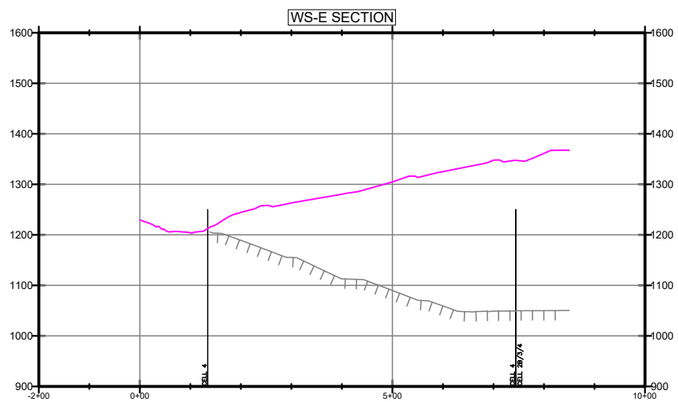
LEGEND:

- SUBGRADE
- TOPO 2025-03-26
- TOPO 2025-04-30

150’ 0’ 75’ 150’

SCALE: 1” = 150’





300’ 0’ 150’ 300’

SCALE: 1” = 300’

FIGURE 2E

WESTERN SLOPE CROSS SECTION E

APRIL 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic ASSOCIATES

DRAWN BY: LP/RM | DATE: MAY 2025 | JOB NO.: RM22.1077

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