

March 10, 2025

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

**FEBRUARY 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 February 1 and February 28, 2025. 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 of the Local Enforcement Agency's (LEA) June 6, 2024 Compliance Order, formerly referred to as Mitigation Measure #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.

February 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 February 2025 are summarized in Table 1. Table 2 summarizes the daily observations performed in geomembrane-covered areas in February. 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 February.¹ Although not significant, the

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.

following cracks with “medium” to “large” horizontal offset were observed in February, and are excerpted from Table 1:

DATE	GRID	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNs
2/10/2025	147	3		Large	Extra Small	NS	Yes	No
2/17/2025	146		7 x 3	Medium	Extra Small	NW	Yes	No
2/17/2025	154		15 x 8	Medium	Extra Small	NS	Yes	No
2/19/2025	148	7		Large	Extra Small	NS	Yes	No
2/20/2025	147	2		Large	Extra Small	NS	Yes	No
2/24/2025	146		1 x 4	Large	Small	NW	Yes	No

See Table 1 for definitions of extra small, small, medium, and large horizontal and vertical offset.

All of these cracks were repaired by placing soil and track-walking over the crack. The locations of the grids and the relative orientations of the cracks identified above are shown in Figure 1. 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 January 29, 2025 and February 26, 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 January 2025 and February 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 February 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 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 February 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 February 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 noted during subsequent monitoring rounds in June, and there was no cracking observed in this grid during subsequent monitoring from August 2024 through February 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 monitoring rounds. No other potentially significant cracks or fissures were observed within this grid during subsequent monitoring from December 2024 through February 2025. Table 1 identifies non-significant cracks that were observed during February 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 February 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 February 2025 observations are consistent with previous observations that show no evidence of slope instability. Based

on the Chiquita monitoring logs and on GLA observations during site visits, the above-described cracks documented in February 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-Logic Associates, Inc.


Richard A. Mitchell, PG, CEG
Principal Engineering Geologist



Table 1
SUMMARY OF FEBRUARY 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
2/1/2025	John Boucher		No Cracks Found	Area									No
2/3/2025	Nancy Bahena		No Cracks Found	Area									No
2/4/2025	Nancy Bahena		No Cracks Found	Area									No
2/5/2025	John Boucher		No Cracks Found	Area									No
2/6/2025	John Boucher		No Cracks Found	Area									No
2/7/2025	John Boucher		No Cracks Found	Area									No
2/8/2025	John Boucher		No Cracks Found	Area									No
2/10/2025	Nancy Bahena	147	Top Deck	Linear	3		Large	Extra Small	NS	34.435671	-118.646786	Yes	No
2/10/2025	Nancy Bahena	154	Top Deck	Area		10x7	Small	Extra Small	NE	34.433977	-118.647014	Yes	No
2/11/2025	Nancy Bahena		No Cracks Found	Area									No
2/12/2025	John Boucher		No Cracks Found	Area									No
2/13/2025	John Boucher		No Cracks Found	Area									No
2/14/2025	John Boucher		No Cracks Found	Area									No
2/15/2025	John Boucher		No Cracks Found	Area									No
2/17/2025	Nancy Bahena	146	Top Deck	Area		7x3	Medium	Extra Small	NW	34.435483	-118.646537	Yes	No
2/17/2025	Nancy Bahena	154	Top Deck	Area		15x8	Medium	Extra Small	NS	34.434443	-118.646445	Yes	No
2/18/2025	Nancy Bahena		No Cracks Found	Area									No
2/19/2025	John Boucher	148	Top Deck	Linear	7		Large	Extra Small	NS	34.435434	-118.646801	Yes	No
2/20/2025	John Boucher	147	Top Deck	Linear	2		Large	Extra Small	NS	34.435707	-118.647019	Yes	No
2/20/2025	John Boucher	146	Top Deck	Linear	15		Extra Small	Extra Small	NS	34.435919	-118.614425	Yes	No
2/21/2025	John Boucher		No Cracks Found	Area									No
2/22/2025	John Boucher		No Cracks Found	Area									No
2/24/2025	Tom Roe	146	Top Deck	Area		1x4	Large	Small	NW	34.435888	-118.646937	Yes	No
2/25/2025	Tom Roe	146	Top Deck	Area		20x35	Small	Extra Small	NW	34.435925	-118.647055	Yes	No
2/26/2025	Tom Roe		No Cracks Found	Area									No
2/27/2025	Tom Roe		No Cracks Found	Area									No
2/28/2025	John Boucher		No Cracks Found	Area									No

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 FEBRUARY 2025 GEOMEMBRANE COVER OBSERVATIONS
Chiquita Canyon Landfill

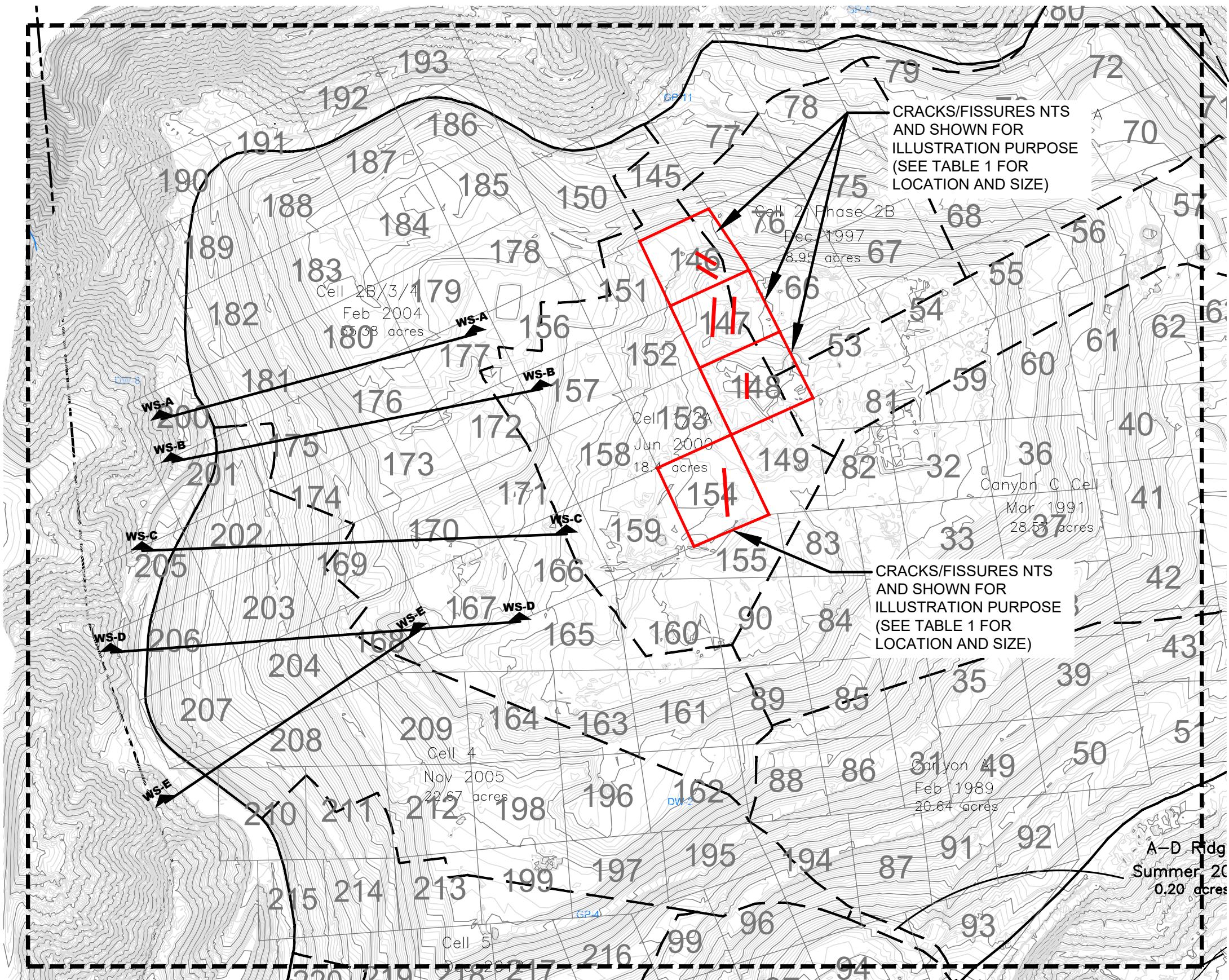
DATE	ISSUES OR CONCERNS			
	Issue Identified	Evidence of Underlying Deformation	Tension Cracks at Top of Slope or Bulging at Toe of Slope	Vertical Deformation of Infrastructure Such as Wells or Probes
2/1/2025	No	No	No	No
2/3/2025	No	No	No	No
2/4/2025	No	No	No	No
2/5/2025	No	No	No	No
2/6/2025	No	No	No	No
2/7/2025	Yes ^c	No	No	No
2/8/2025	No	No	No	No
2/10/2025	No	No	No	No
2/11/2025	No	No	No	No
2/12/2025	No	No	No	No
2/13/2025	No	No	No	No
2/14/2025	No	No	No	No
2/15/2025	No	No	No	No
2/17/2025	No	No	No	No
2/18/2025	Yes ^d	No	No	No
2/19/2025	Yes ^e	No	No	No
2/20/2025	No	No	No	No
2/21/2025	No	No	No	No
2/22/2025	No	No	No	No
2/24/2025	Yes ^f	No	No	No
2/25/2025	No	No	No	No
2/26/2025	No	No	No	No
2/27/2025	No	No	No	No
2/28/2025	No	No	No	No

^cSeam between the 30-mm and 60-mil liners separated. Seam was temporarily sealed on 2/7 and permanently repaired on 2/10/2025.

^dLiner was torn at two locations. Each location was patched and extrusion welded on 2/18/2025.

^eFive tears were observed at the same general location. Each location was patched and extrusion welded on 2/19/2025.

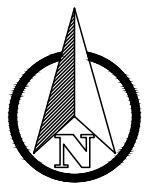
^fTwo small holes in Grid 156. Holes were patched and extrusion welded on 2/24/2025.



LEGEND:

- PROPERTY LINE
- DAYLIGHT/CONTACT LINE
- (100) EXISTING GROUND SURFACE CONTOUR ELEVATION, FEET
- EXISTING SUBGRADE

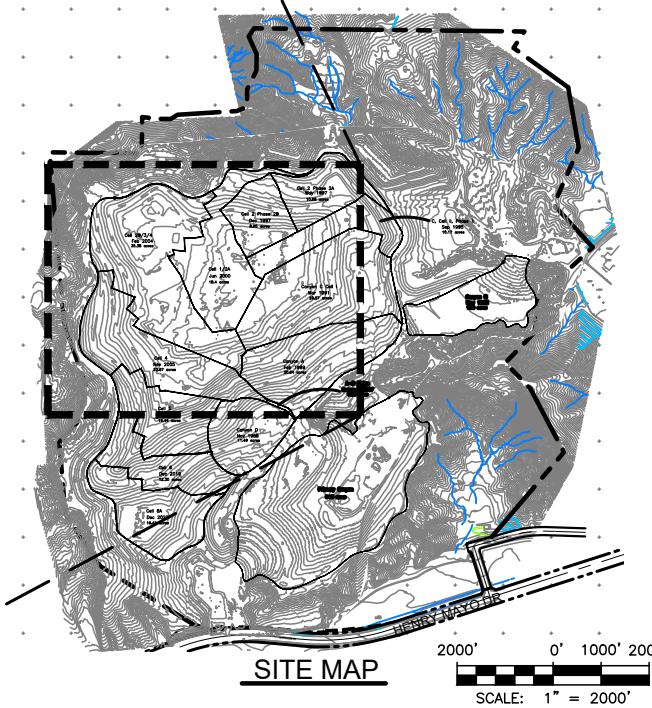
CROSS SECTION
WS= WESTERN SLOPE EVALUATION
CROSS SECTION LOCATION
NS= NORTHERN SLOPE EVALUATION
CROSS SECTION LOCATION



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

WS-A

WS-A



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ISSUED FOR REVIEW
REFERENCE AERIAL TOPO BASED ON JANUARY 16, 2025 AERIAL SURVEY BY TETRATECH WITH MONTHLY UPDATES ON FEBRUARY 26, 2025

REV. NO.	DATE	DESCRIPTION	APPROVED BY	DATE OF ISSUE:	MARCH 2025
				DESIGNED BY:	R MITCHELL
				CAD DESIGN BY:	L PADILLA
				CHECKED BY:	R MITCHELL
				APPROVED BY:	R MITCHELL

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811

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A Waste Connections Company

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CASTAIC, CA 91384

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

FIG NO.
01

PROJECT NO.
RM22.1077

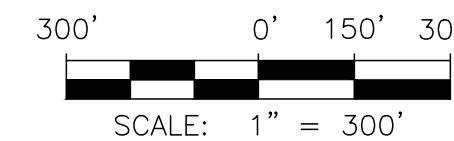
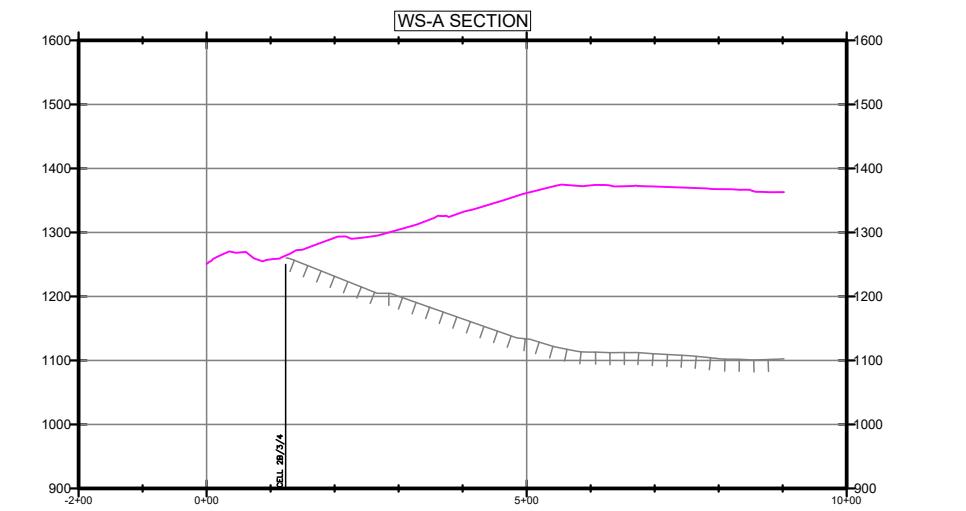
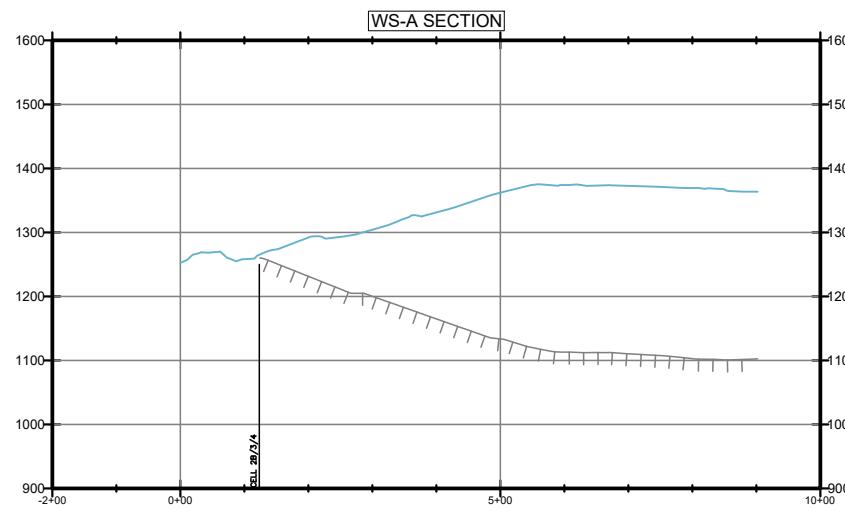
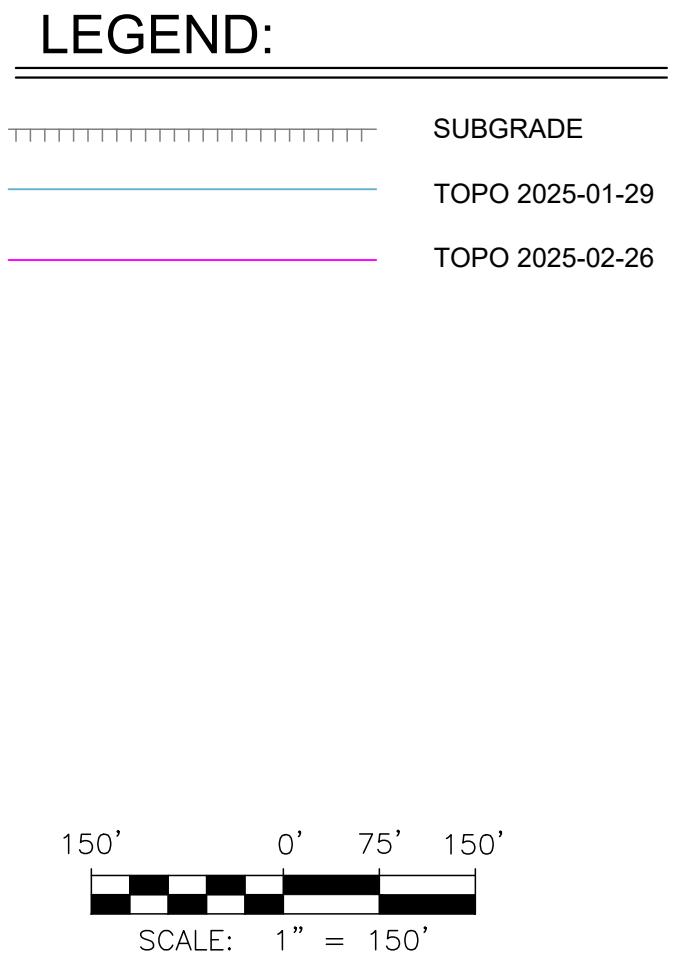
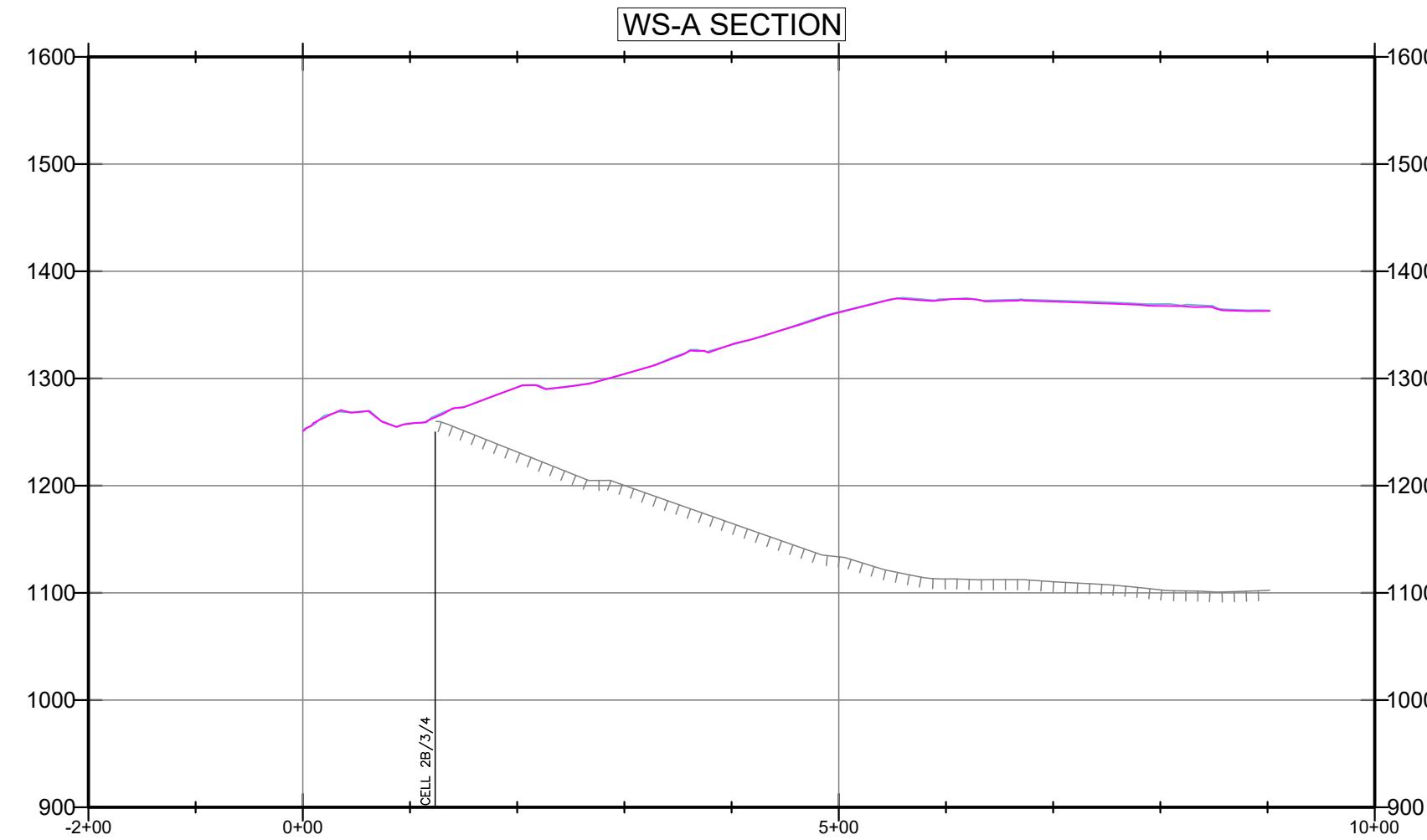
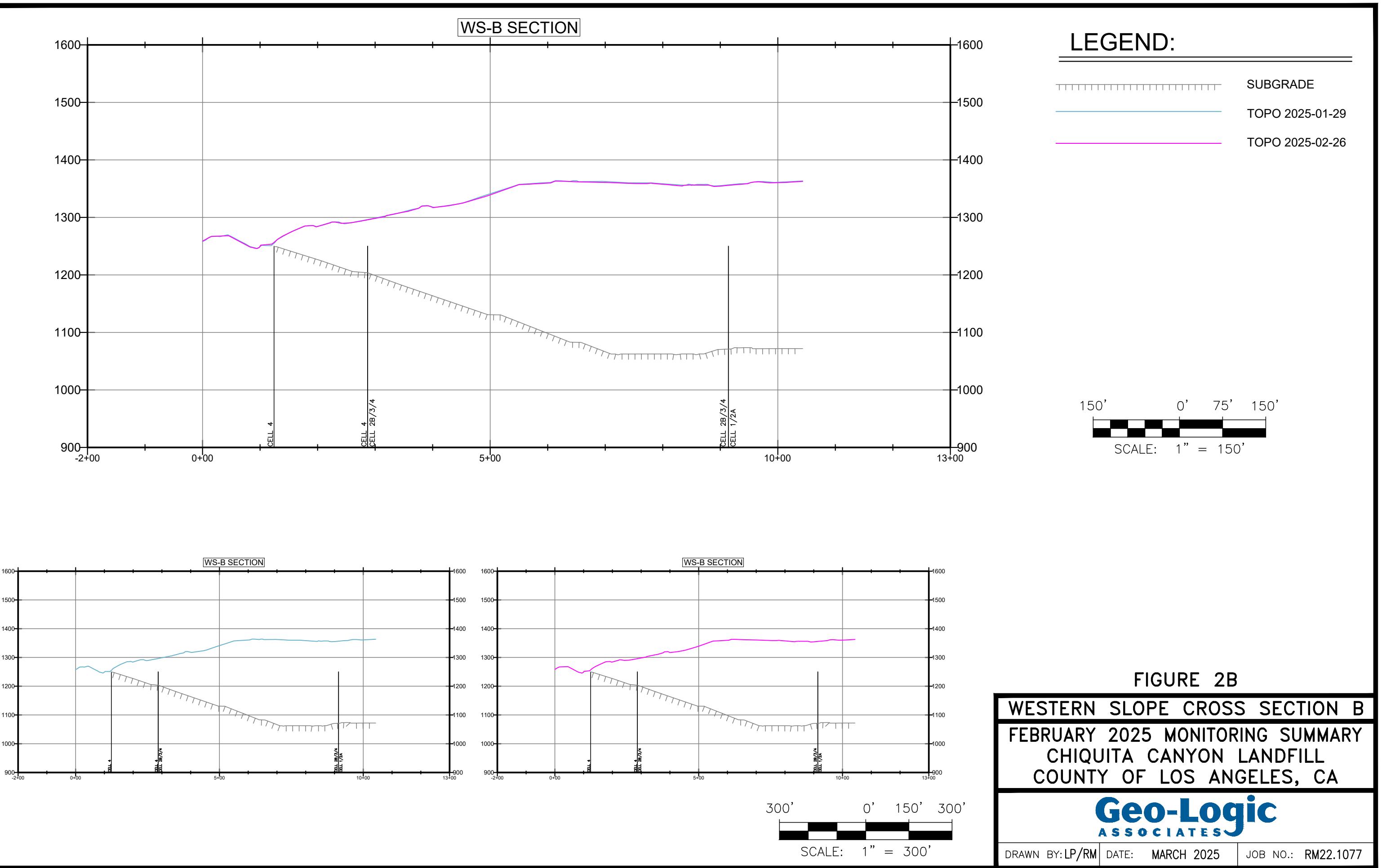


FIGURE 2A
WESTERN SLOPE CROSS SECTION A
FEBRUARY 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

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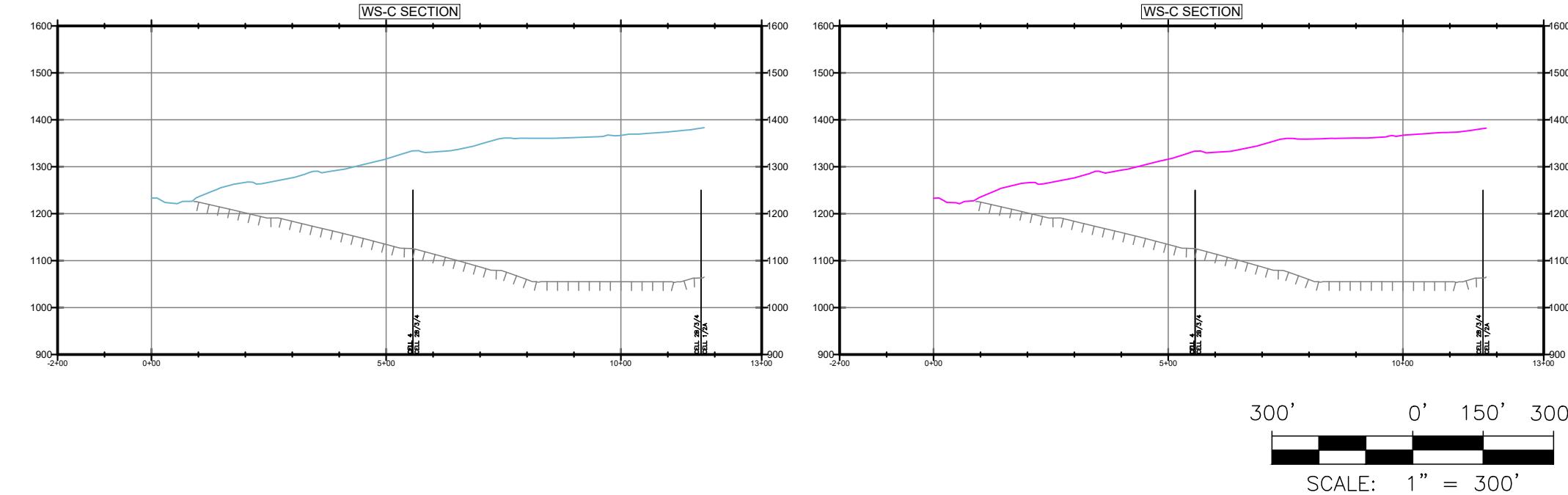
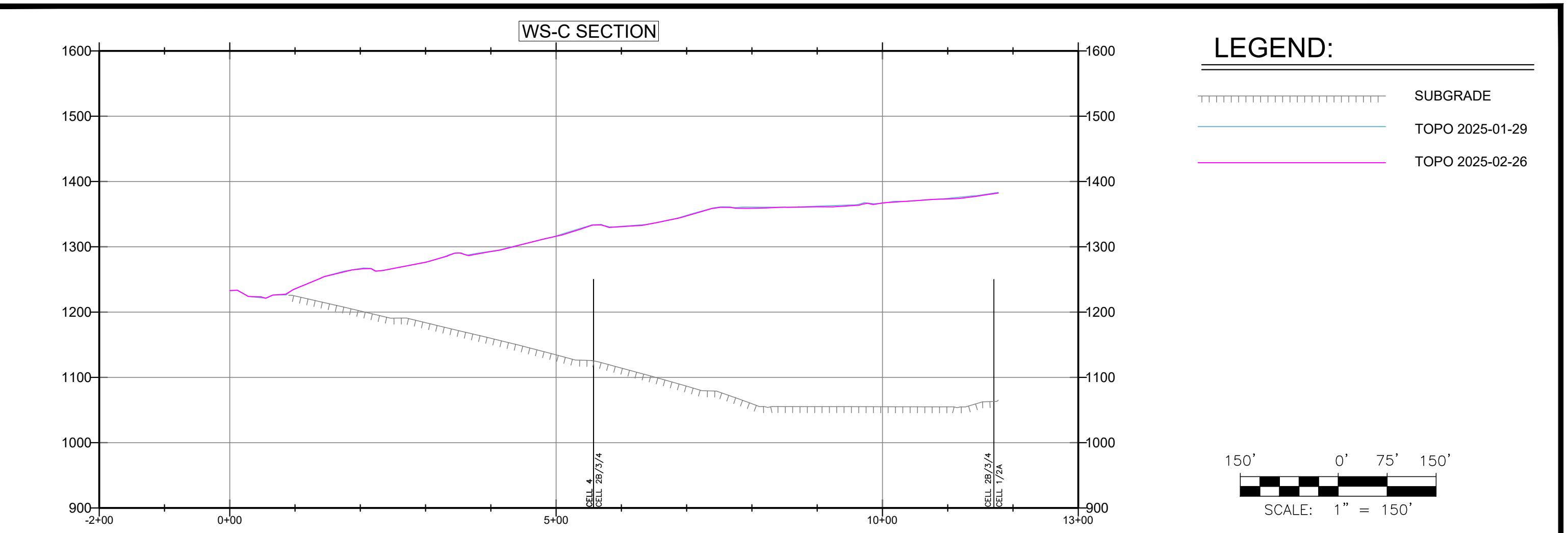
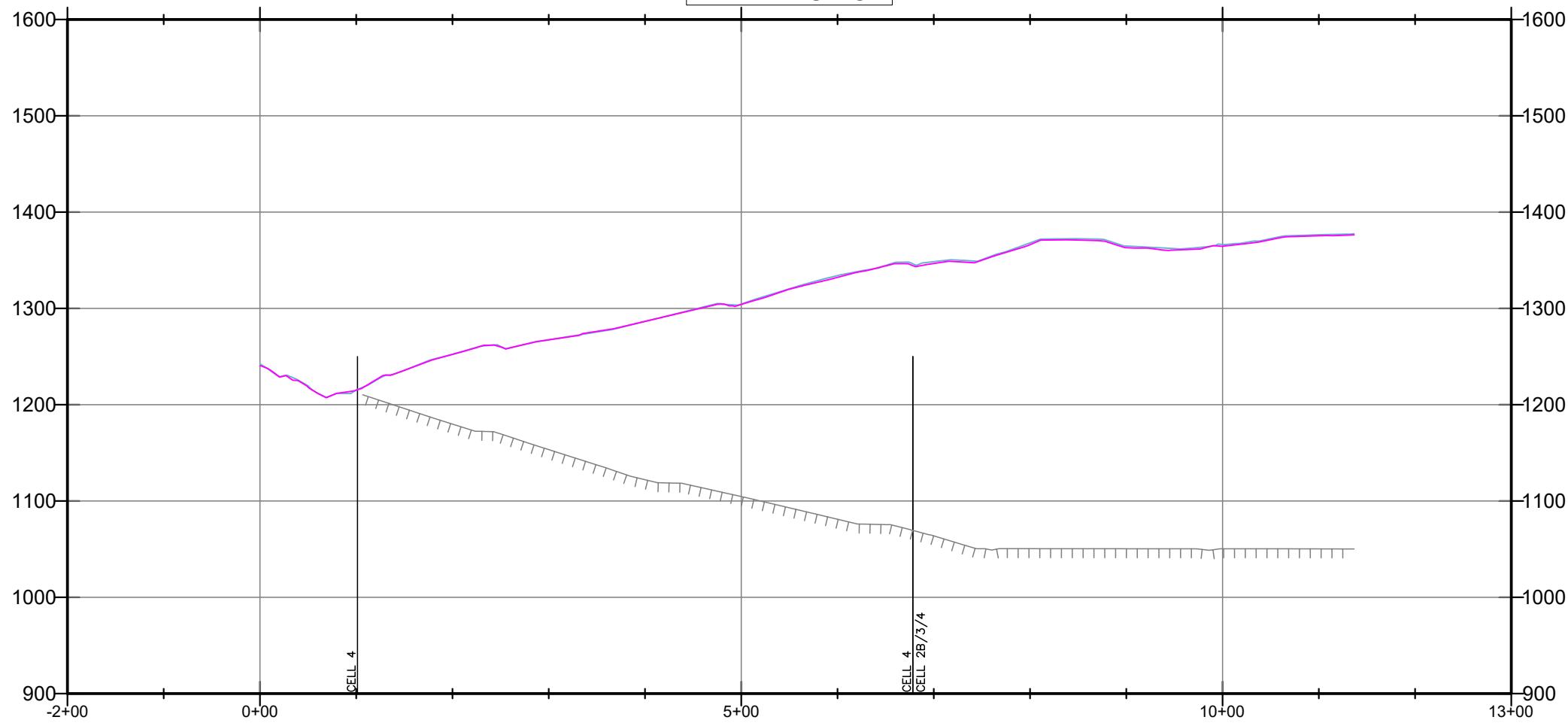


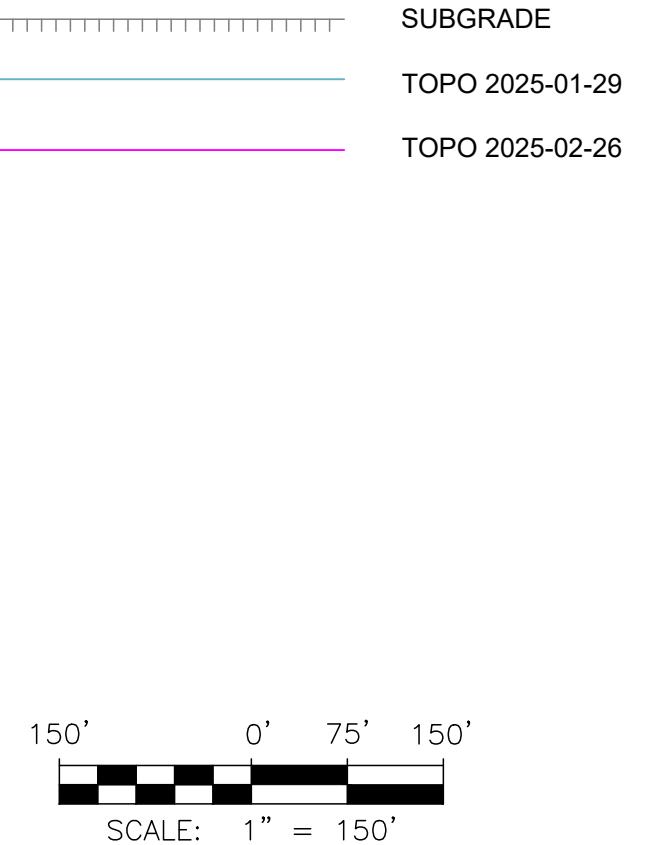
FIGURE 2C
WESTERN SLOPE CROSS SECTION C
FEBRUARY 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

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WS-D SECTION



LEGEND:



WS-D SECTION

WS-D SECTION

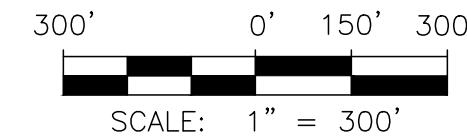
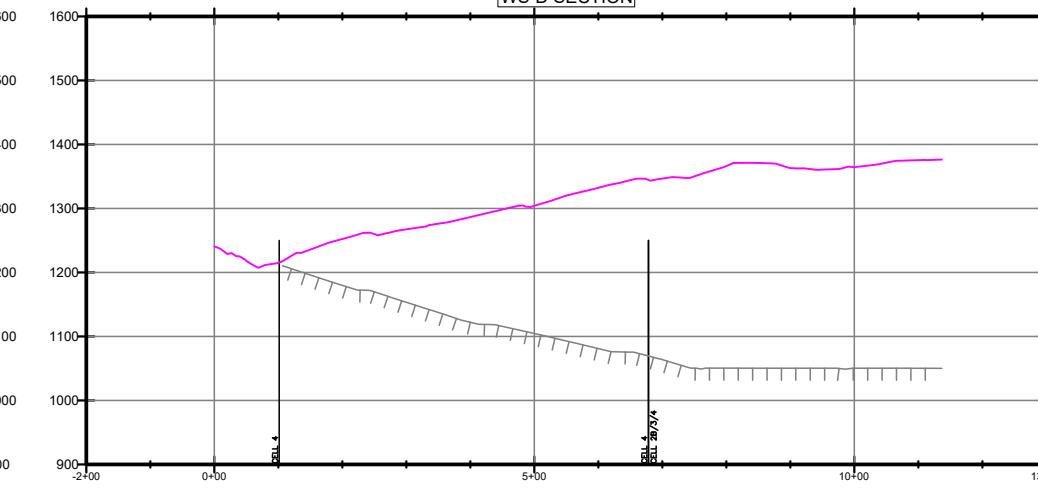
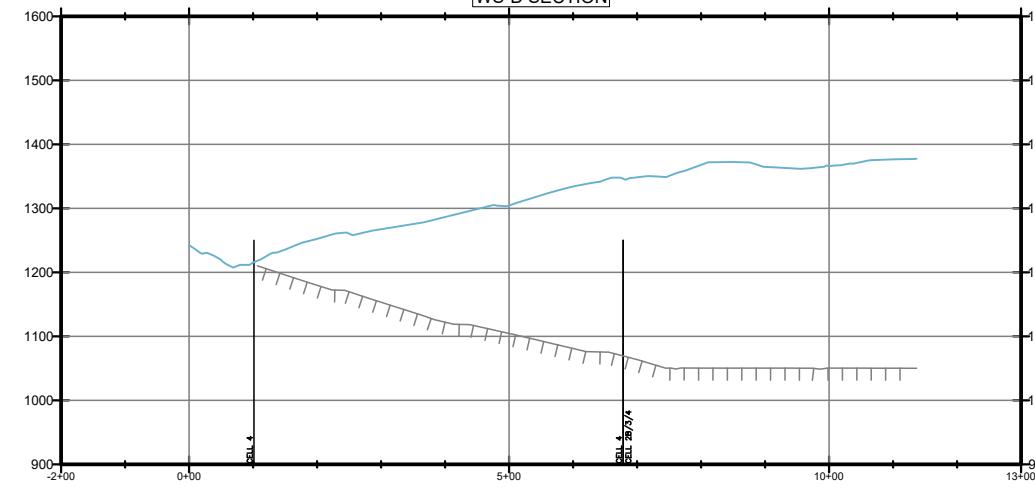


FIGURE 2D

WESTERN SLOPE CROSS SECTION D
FEBRUARY 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

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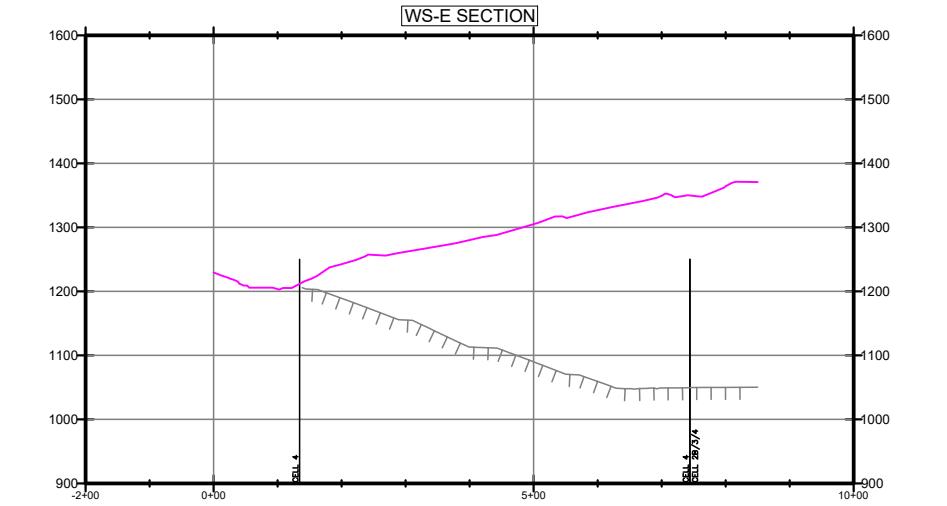
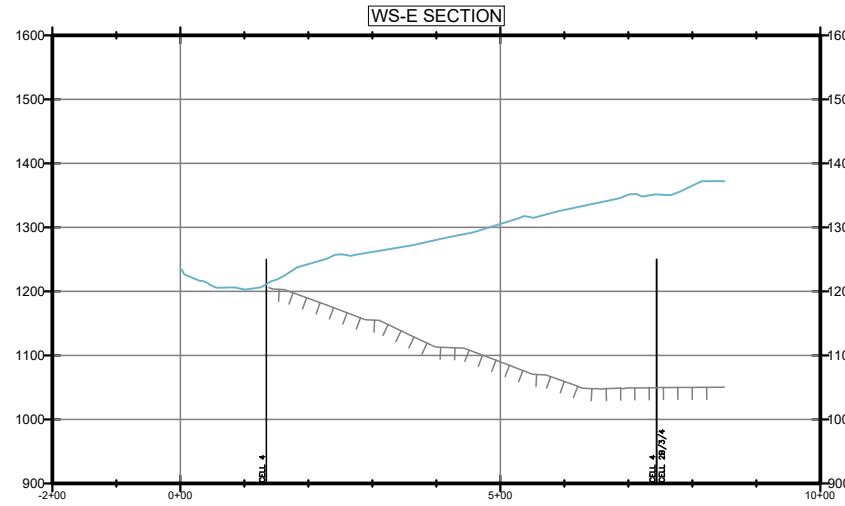
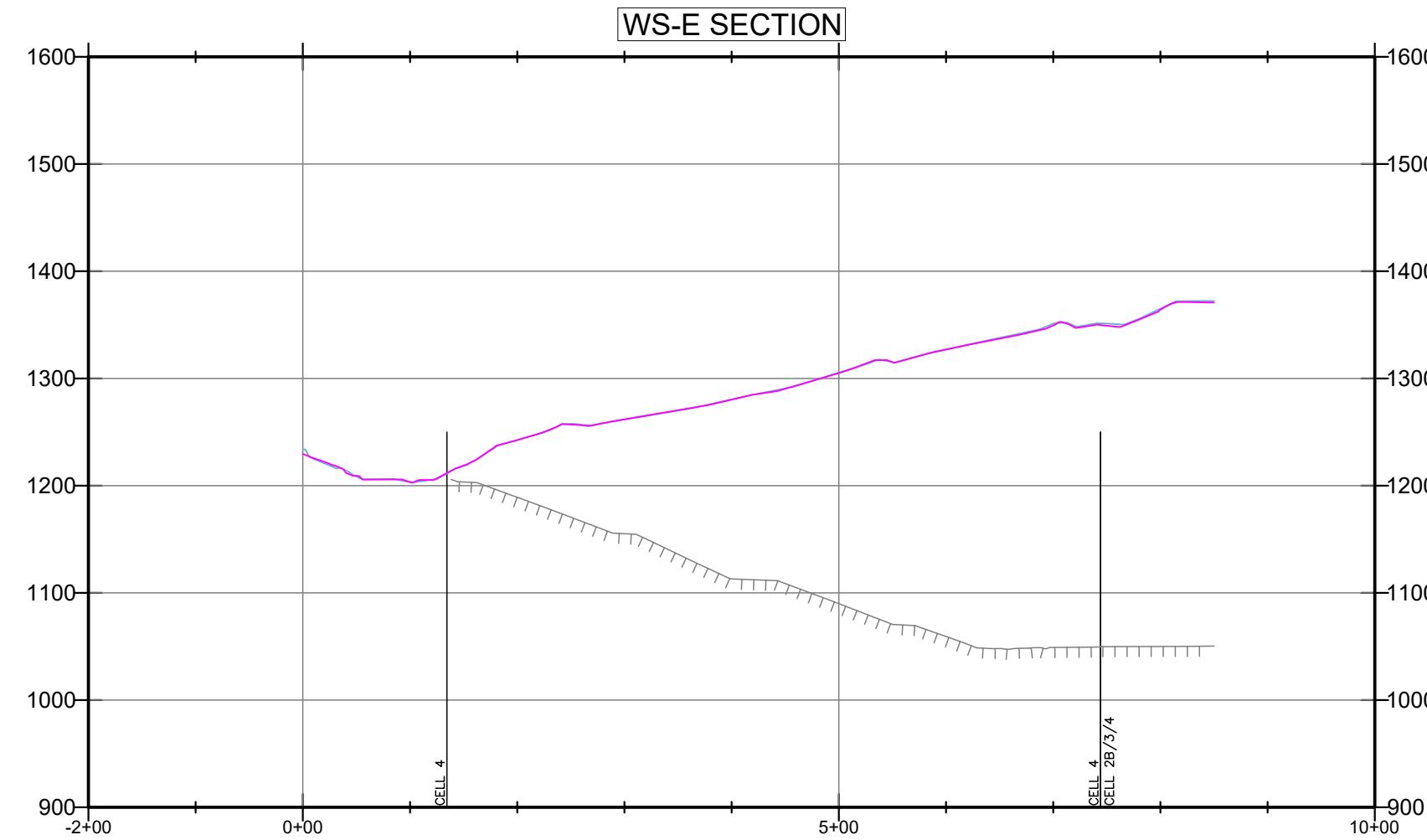


FIGURE 2E
WESTERN SLOPE CROSS SECTION E
FEBRUARY 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

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