



February 4, 2022  
Project No. 2020-261  
Via Email

David Yelton  
Deputy Building Official  
Department of Community Development - City of Beverly Hills  
455 North Rexford Drive  
Beverly Hills, CA 90210

***Re: July 26 to December 22, 2021 – Dust Monitoring and Site Work Observations, Lots 12 and 13, Beverly Hills, California***

Dear Mr. Yelton:

Lindmark Engineering (LE) is pleased to submit this report which documents the observations and dust monitoring for the additional maintenance work performed at Lots 12 and 13, south of North Santa Monica Boulevard (NSMB) and between Alpine Drive and Doheny Drive, Beverly Hills (site). The site is depicted in Figures 1 through 3, Appendix A. Figures 1 through 3 also depict the roads and alleyways in the site vicinity.

The site consists of two vacant lots 12 and 13, which comprise the four parcels 4342-015-038; 4342-015-039; 4342-015-040, and 4342-015-041, including the “island” property adjacent to and just west of Doheny Drive. Previous assessments at the site have found arsenic concentrations in soil above normal background for California soils with a maximum concentration of 996 milligrams per kilogram (mg/kg). No arsenic was detected in vegetation samples collected from Lots 12 and 13 in 2016. The site majority owner is the Beverly Hills Land Company (BHLC), which is responsible for trimming all existing hedges, shrubs and plants, and cutting weeds at the site and abutting the City of Beverly Hills (City) right of way.

The BHLC completed maintenance work at the site on December 14, 2016, described by the City as Phase I. Given the known site conditions and potential for dust generation, LE conducted dust monitoring at the site on behalf of the City, including analytical testing for total arsenic in air. LE’s Phase I report, dated January 18, 2017, found that during site maintenance activities, arsenic was not detected in any air samples and that the daily time-weighted average of total dust concentrations recorded during site work did not exceed a difference of 50 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) between upwind and downwind monitoring stations. Additional maintenance work was performed by the BHLC in February 2017, during which time LE conducted daily weather and dust monitoring during landscaping maintenance activities. The additional observations and monitoring results were presented in a report dated March 6, 2017.

Between July 24 and September 29, 2017, the BHLC was responsible for implementing Phase II activities at the site. Phase II site work included removal of the existing chain link fence and posts, relocating the fence posts, and installing the new chain link. Other activities within the scope of the Phase II work included spreading landscape mulch, potholing and planting new shrubs, drip irrigation line installation, and installation of a green screen on the new fence. The City also requested the BHLC to include application of a new soil sealant at the site. The Phase II monitoring was documented by LE in a report dated February 9, 2018.

Additional maintenance activities by BHLC were monitored by LE from March 23 through April 3, 2017, presented in our report dated April 28, 2017; from April 24 through July 7, 2017, presented in our report dated October 12, 2017; from July 10 through December 29, 2017, presented in our report dated February 25, 2018; from January 5 through June 11, 2018, presented in our report dated July 2, 2018; from June 26 through September 18, 2018, presented in our report dated October 15, 2018; from October 9, 2018 through January 29, 2019, presented in our report dated February 6, 2019; from February 12, 2019 through June 24, 2019, presented in our report dated August 5, 2019; from July 16 through December 3, 2019, presented in our report dated February 4, 2020; from January 6 through July 7, 2020, presented in our report dated August 10, 2020; from August 11 through December 10, 2020, presented in our report dated January 15, 2021, and lastly from January 26 through June 29, 2021, presented in our report dated July 26, 2021. The scope of work for the Phase I and additional maintenance work included fence repair and replacement, which had the potential to generate dust during the repair activities. No soil removal was conducted during the activities.

Between May 10 and May 12, 2021, Langan Engineering (Langan) performed a geotechnical fault investigation at the site. The drilling was performed by Langan's subcontractors Kehoe Testing and Engineering, and 2R Drilling, Inc. Field activities included continuous core drilling, using a hollow stem auger drill rig, and cone penetrometer testing (CPT), using a CPT truck-mounted drill rig.

This report summarizes the additional maintenance work performed on Lots 12 and 13, and on the island, by the BHLC from July 26 through December 22, 2021. The scope of the additional maintenance work was to: trim the grass and weeds within the interior of Lots 12 and 13, trim the weeds between the new fence line and the NSMB curb, trim the weeds along the fence line against Civic Center Drive at Lot 13, trim the hedges along Civic Center Drive at Lot 12, and trim the grass and weeds around the outer perimeter of the island, as well as the trees and grass inside the island. Watering the grass surface was also performed. The additional maintenance involved similar work activities as performed during the Phase I, and subsequent maintenance such as minor fence repair.

Air sampling, dust monitoring, and weather monitoring were conducted continuously during landscaping maintenance activities each day. The air samples were archived and not analyzed by the laboratory since field observations and monitoring data indicated no potential dust concerns.

## **SITE WORK OBSERVATIONS**

LE observed the site maintenance activities by the BHLC from July 26 through December 22, 2021. Site work was generally performed along the fence line adjacent to NSMB, along the fence line adjacent to Civic Center Drive, and on the island. A list of work dates and the approximate location of work performed each day is summarized in Table 1, Appendix B.

A detailed description of work performed each day is summarized on the daily field reports, included as Appendix C.

Landscaping maintenance work was performed by BHLC's contractor Rubio's Landscaping. Site work generally consisted of clipping, cutting, and sawing bushes, branches, and shrubs. Workers also performed removal of weeds and grass using mechanical weed whackers and clipping using hand tools.

## **DUST MONITORING AND ARSENIC SAMPLING ACTIVITIES**

The action level for fugitive dust concentrations, caused by man-made activities disturbing soil, based on South Coast Air Quality Management District (AQMD) Rule 403, is a difference of 50  $\mu\text{g}/\text{m}^3$  between upwind and downwind monitoring stations.

High wind conditions can lead to higher dust emissions, and work should be stopped during high wind conditions. An adverse wind condition is considered either a wind speed greater than 15 miles per hour (mph) averaged over a 15-minute period, or an instantaneous wind speed exceeding 25 mph. Wind conditions were monitored based on the information collected by the on-site weather station.

Each day where landscaping maintenance was performed, monitoring stations for fugitive dust in air were generally positioned upwind and downwind of the work area, generally located along the northern or southern fence line of Lots 12 and 13 and the island using MIE Model 1000 personal dust monitors (PDR 1000). The monitoring station located on the north fence line was generally upwind of the work area when wind directions were coming from the north, west, or southwest, and the monitoring station located on the south fence line was generally upwind of the work area when wind directions were coming from the south, southeast, and east.

LE monitored the on-site weather station and the dust monitoring instruments approximately every 15 minutes during site work. The stations were generally adjusted to follow the site workers and current wind conditions. The field monitoring logs included in Appendix D, indicate fugitive dust concentrations at each monitoring station, wind speed and direction, and site work observations.

Each day the air was sampled continuously during work hours at the downwind monitoring station using an air sampling pump attached to a 37 mm MCE filter cartridge. Samples were archived and not submitted to the laboratory, based on LE's field observations and monitoring which indicated no dust concerns. Although arsenic has never been detected in air or vegetation samples, the air samples would have been analyzed for arsenic if visible fugitive dust had been observed or if a difference of 50  $\mu\text{g}/\text{m}^3$  between upwind and downwind monitoring stations had been recorded.

## **SUMMARY OF DUST MONITORING FINDINGS**

The fugitive dust concentrations recorded during site work did not exceed a difference of 50  $\mu\text{g}/\text{m}^3$  between upwind and downwind monitoring stations on any of the workdays. Refer to the field monitoring logs, included in Appendix D, for each workday to determine which monitoring station was representative of the downwind sampling position. Dust was not observed during site work for this monitoring period. The maximum recorded wind speed was 8.4 mph on August 23, 2021, and there was, therefore, no adverse wind condition.

Observations of site work are documented on the daily field reports, included as Appendix C.

## **CONCLUSIONS**

Based on LE's observations of site work activities, and our monitoring data, LE concludes the activities did not pose an environmental concern to the community during this monitoring period.

## **RECOMMENDATIONS**

Based on no excavation being conducted, historical data for the maintenance work, the strict monitoring protocol, and procedures to shut down the work immediately if there is a significant dust condition, LE recommends the discontinuation of the arsenic sampling. LE recommends continuation of visual monitoring and fugitive dust monitoring upwind and downwind of the work area.

David Yelton  
February 4, 2022

LE also recommends that a source of water for dust suppression continues to be available at all times during maintenance work since activities not involving power tools may still generate dust if the soil is sufficiently dry (e.g., vehicle traffic, digging, and raking).

Please call us at 818-707-6100 if you have any questions.

Best regards,



Jeffrey Mayeda  
Project Engineer



Ulf Lindmark, PE, BCEE  
President

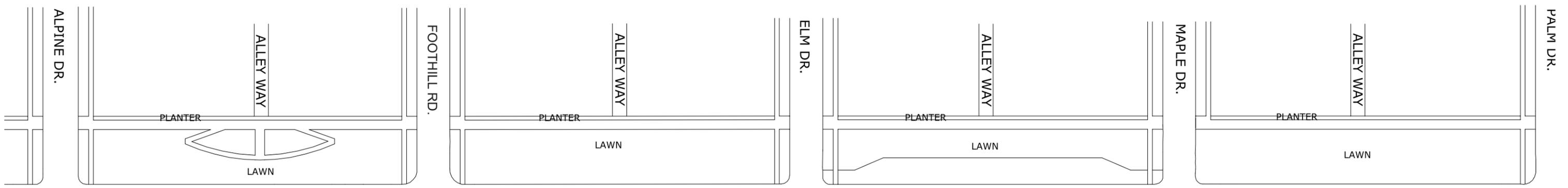
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Enclosures: Appendix A - Figures 1 through 3  
Appendix B - Table 1  
Appendix C - Daily Field Reports  
Appendix D - Field Monitoring Logs

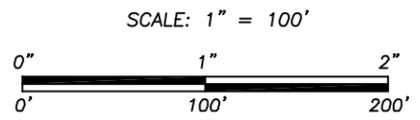
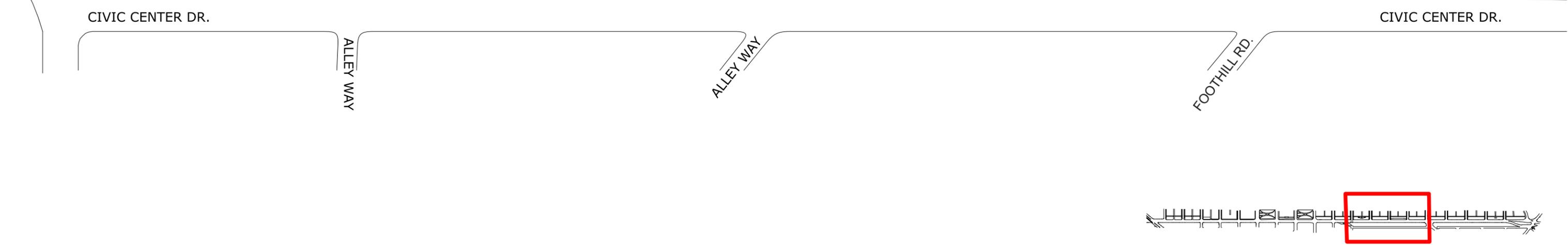
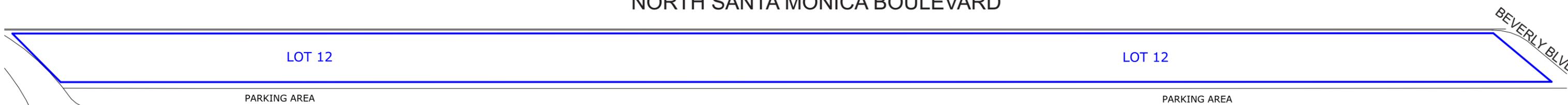
## **APPENDIX A**

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Figures 1 through 3



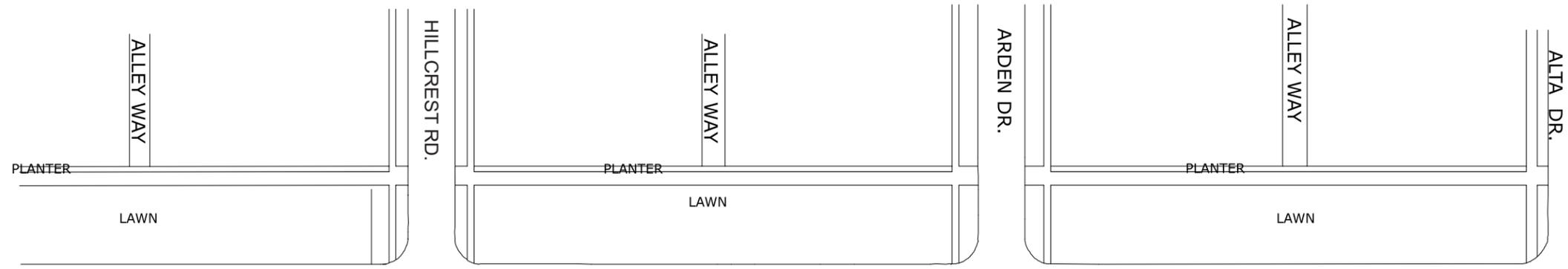
NORTH SANTA MONICA BOULEVARD



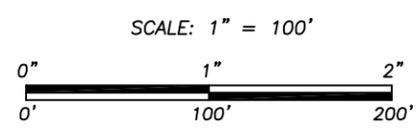
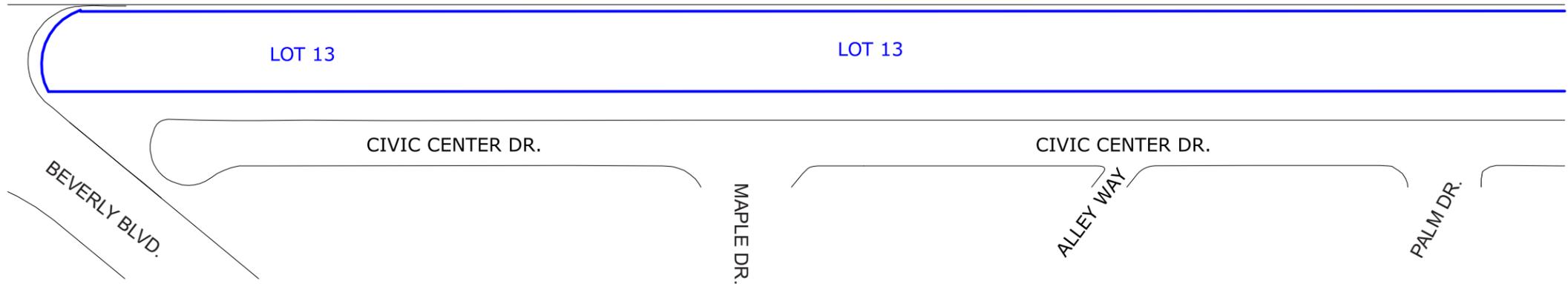
PROJECT COMPLETION REPORT  
LOTS 12 AND 13

ALPINE DR. TO BEVERLY BLVD.

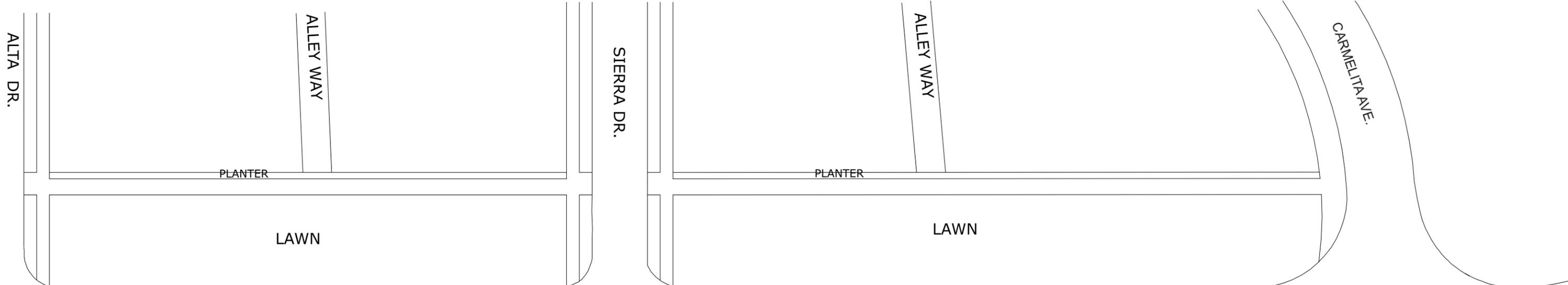
Drafted by:	Approved By:	Date:	Figure No.:
ST	UL	1/17	<b>1</b>



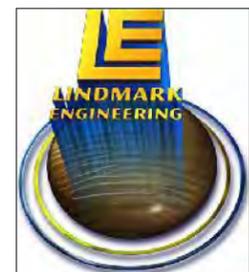
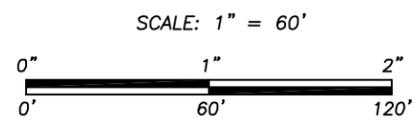
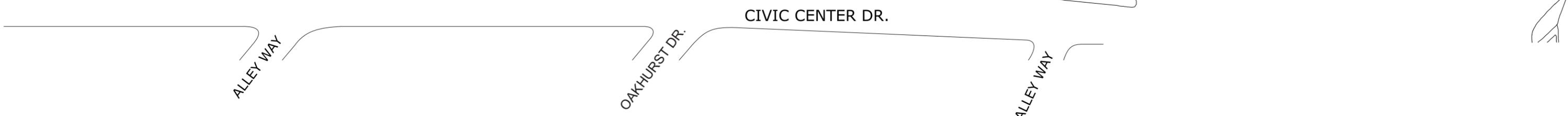
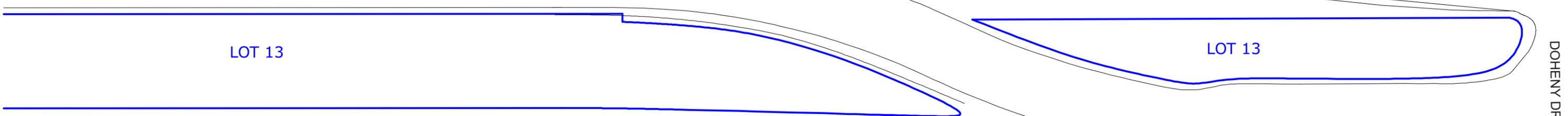
NORTH SANTA MONICA BOULEVARD



<b>PROJECT COMPLETION REPORT LOTS 12 AND 13</b>			
<b>BEVERLY BLVD. TO ALTA DR./PALM DR.</b>			
Drafted by:	Approved By:	Date:	Figure No.:
ST	UL	1/17	<b>2</b>



NORTH SANTA MONICA BOULEVARD



<b>PROJECT COMPLETION REPORT LOTS 12 AND 13</b>			
<b>ALTA DR./PALM DR. TO DOHENY DR.</b>			
Drafted by:	Approved By:	Date:	Figure No.:
ST	UL	1/17	<b>3</b>

## **APPENDIX B**

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Table 1

**Table 1**  
**Location of Daily Work Areas**  
**Lots 12 and 13, Beverly Hills, Ca**

Work Date	Lot 12					Lot 13						
	Alpine Dr.	Foothill Rd.	Elm Dr.	Maple Dr.	Beverly Blvd.	Beverly Blvd.	Hillcrest Rd.	Arden Dr.	Alta Dr./Palm Dr.	Sierra Dr.	Island	Doheny Dr.
7/26/2021												
8/23/2021												
8/24/2021												
09/27-28/21												
10/25-26/21												
11/22/2021												
12/22/2021												

Notes:

- = Site work predominately located along NSMB
  - = Site work predominately located adjacent to City-owned right-of-way adjacent to Civic Center Drive
  - = Site work predominately located along both NSMB and adjacent to City-owned right-of-way adjacent to Civic Center Drive
  - = Site work located throughout the island
- No site work where not color-coded

## **APPENDIX C**

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Daily Field Reports

# Field Report

Sheet      of     



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
www.lindmarkeng.com

Proj. # 2021-261 Proj. Name CBH LOTS 12 & 13

Date 07/26/21 Proj. Addr. LOTS 12 & 13

Arrival Time 6:45 Departure Time 3:15

LE Personnel ST

Contractors on-site (LE) BH Land Comp. / Rubzio's Landscape

Client representatives on-site \_\_\_\_\_  
Name \_\_\_\_\_

Agency representatives on-site \_\_\_\_\_  
Name \_\_\_\_\_

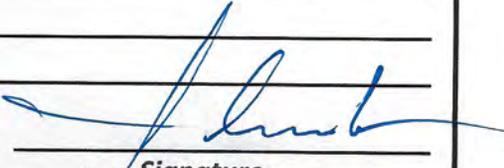
Equipment on-site (LE) PDRs, KWB

Equipment on-site (Contractors) Pick-up trucks, weedwhackers, Hedge trimmers

## SUMMARY OF WORK PERFORMED

- \* Rubzio's crew on site at 7:00
- \* At 7:15 started weedwhacking & trimming hedge along CCD
- \* Crew finished LOT 12 around 11 and moved to Island
- \* Crew finished Island around 1:00
- \* After Island crew started weedwhacking LOT 13 and trimming hedge along NSMB
- \* Workers finished everything around 3:15
- \* No visible dust observed
- \* Max. Diff. read =  $24 < 50 \mu\text{g}/\text{m}^3$

Action Required \_\_\_\_\_

  
Signature

# Field Report

Sheet 1 of 1



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 805-267-1101  
www.lindmarkeng.com

Proj. # \_\_\_\_\_ Proj. Name CBH Lots 12 & 13  
Date 8/23/21 Proj. Addr. Lot 12 & Lot 13  
Arrival Time 7:00 Departure Time 2:45  
LE Personnel DWS

Subcontractors on-site Rubros landscaping - 3-man crew  
Client representatives on-site none  
~~Client~~ Agency representatives on-site none  
Equipment on-site (LE) 2x PDR-1000 / Kestrel Weather station  
Equipment on-site (subcontractors) Weed whackers, leaf blowers, hand tools

## SUMMARY OF WORK PERFORMED

Landscaping crew arrived @ 7:00 and began setting up weed whacking equipment @ the east end of Lot 12. Shortly after, began trimming the hedges along CCDr. from the sidewalk, moving west. After an hour, crew moved back into Lot 12, weed whacking along the underside of the hedges, along CCDr.

Following trimming hedges along NSMB, the crew raked the cuttings and threw them over the fence line. Briefly, upward vs downward measurements exceeded a 50 mg/m<sup>3</sup> difference, but only for brief seconds and stable readings recorded (see 9:45), were within 50 mg/m<sup>3</sup>. No visible dust observed.

@ 11:20 crew picked up supplies and moved over to Lot 13. After lunch they began trimming the hedges along NSMB from along the street side from the east end of Lot 13 moving west.

@ 2:15 crew moved to the island and began weed whacking along the interior perimeter and picked up trash along the exterior perimeter. The crew left the site @ 2:45

Action Required \_\_\_\_\_  
98.6 arrival  
98.7 departure

34 miles \_\_\_\_\_  
  
Signature

# Field Report

Sheet 1 of 1



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 805-267-1101  
www.lindmarkeng.com

Proj. # \_\_\_\_\_ Proj. Name CBH Lots 12 & 13  
Date 8/24/21 Proj. Addr. Island & Lot 13  
Arrival Time 7:00 Departure Time 1:30  
LE Personnel DWS

Subcontractors on-site Rubros landscaping  
Client representatives on-site none  
Agency representatives on-site none  
Equipment on-site (LE) 2x PPR-1000 / Hestrol Weather Station / Gilair Pump  
Equipment on-site (subcontractors) weed whackers, hedge trimmers, hand tools

## SUMMARY OF WORK PERFORMED

Landscaping crew arrived at the island at 7:20. Began hedge trimming. Continued to work counter-clockwise around the island.

At 10:15 the crew moved to Lot 13, at the east end, along Civic Center Dr, on the street. Trimmed bushes from Alta to Sierra, including some routing.

Crew departed @ 1:25

## Action Required

98.7 arrival  
96.2 departure

14 miles

  
Signature

# Field Report

Sheet      of     



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
www.lindmarkeng.com

Proj. # 2020/261 Proj. Name LOTS 12 & 13  
Date 09/27/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 6:45 Departure Time 3:00  
LE Personnel ST

Contractors on-site (LE) Beverly Hills LC / Rubio's Landscape

Client representatives on-site None

Agency representatives on-site None

Equipment on-site (LE) Dust truck 2x, air pump, KWS

Equipment on-site (Contractors) Pickup trucks, hedge trimmers

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* At 7:15 started trimming hedge along ~~NSMB~~ CCD
- \* At 10:00 crew finished hedge along CCD and moved to trim hedge along NSMB
- \* Workers finished LOT 12 around 11:30
- \* After lunch break they started trimming hedge at LOT 13 along NSMB
- \* ~~After~~ Crew finished LOT 13 at 3:00
- \* Pump off at 3:00
- \* No visible dust observed
- \* Max. diff. head. =  $22 < 50 \text{ ug/m}^3$

Action Required \_\_\_\_\_

Signature

# Field Report

Sheet      of     



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
www.lindmarkeng.com

Proj. # 2020-261 Proj. Name CBH LOTS 12 & 13  
Date 09/28/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 6:45 Departure Time 2:00  
LE Personnel ST / JM

Contractors on-site (LE) BH Land C. / Rubio's Landscape  
Client representatives on-site NONE  
Agency representatives on-site NONE  
Equipment on-site (LE) Dust track / Air pump / GWS  
Equipment on-site (Contractors) Pick-up trucks, hand tools

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* At 7:15 workers started clearing island. Somebody over the weekend drove through fence at the tip of island breaking trees and fence. Crew also removed any trees and weed around island.
- \* Crew finished island around 11:15
- \* After lunch break crew went back to LOT 13. Owner of the property want them to clean better weed outside of LOT 13 along NSMB.
- \* Workers finished everything around 1:45
- \* Pumps off at 1:45
- \* No visible dust observed
- \* Max. diff. read. =  $10 < 50 \text{ } \mu\text{g}/\text{m}^3$

Action Required \_\_\_\_\_

# Field Report

Sheet      of     



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Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
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Proj. # 2020/201 Proj. Name CBH LOTS 12 & 13  
Date 10/25/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 6:45 Departure Time 9:15  
LE Personnel ST

Contractors on-site (LE) BH Land Comp. / Rubio's Landscaping  
Client representatives on-site Name  
Agency representatives on-site Name  
Equipment on-site (LE) PDRs, Air Pump, KWS  
Equipment on-site (Contractors) Pick-up trucks, weed whackers

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* At 7:15 started weedwhacking LOT 12 from the East side
- \* Pump on at 7:15
- \* Rain started around 8:30
- \* Rubio suspended all work around 8:45
- \* Pump off at 9:00
- \* No visible dust observed
- \* Max. diff. head.  $\bar{C} = 16 \leq 56 \text{ mg/m}^3$

Action Required \_\_\_\_\_

[Signature]  
Signature

# Field Report

Sheet      of     



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Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
www.lindmarkeng.com

Proj. # 2020-261 Proj. Name CBH LOTS 12 & 13  
Date 10/26/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 7:00 Departure Time 3:20  
LE Personnel ST

Contractors on-site (LE) BH Land Comp. / Rubio's Landscape  
Client representatives on-site Name  
Agency representatives on-site Name  
Equipment on-site (LE) ADR's, Air Pump, KWS  
Equipment on-site (Contractors) Pick-up truck, weed whacker

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* At 7:15 they continued where they stopped day before Foothill Dr. on Civic Center Drive
- \* Crew finished weedwhacking around 10:30 and moved to LOT 13
- \* Workers finished LOT 13 around 2:15 and moved to Island
- \* Crew completed work around 3:15
- \* Pump off at 3:15
- \* No ~~visual~~ visual dust ~~was~~ observed
- \* Max. diff. read =  $17 < 50 \mu\text{g}/\text{m}^3$

Action Required \_\_\_\_\_

  
Signature

# Field Report

Sheet      of     



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
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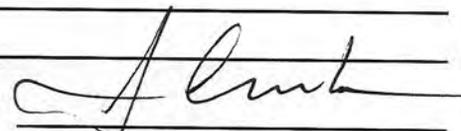
2020-261  
Proj. # ~~1122~~ Proj. Name CBH LOTS 12 & 13  
Date 11/22/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 6:45 Departure Time 3:15  
LE Personnel ST

Contractors on-site (LE) CBH Land C. / Rubio's Landscape  
Client representatives on-site NONE  
Agency representatives on-site NONE  
Equipment on-site (LE) PDRs, Air pump, KWS  
Equipment on-site (Contractors) Pick up trucks, Hedge trimmer

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* Pump on at 7:15
- \* Crew started trimming hedge along CCD, and NSMB as well.
- \* Workers finished both hedges around 10:30 and moved to Island
- \* At Island they started trimming hedge around Island and removing weeds as well
- \* Workers finished Island at 12:00 and took lunch break
- \* After lunch break crew moved to Lot 13 and started trimming hedge along NSMB
- \* Crew completed work at LOT 13 around 3:00
- \* Pump off at 3:00
- \* No visual dust observed
- \* Max. diff head. =  $15 < 50 \text{ } \mu\text{g}/\text{m}^3$

Action Required \_\_\_\_\_

  
Signature

# Field Report

Sheet      of     



2625 Townsgate Road, Suite 330,  
Westlake Village, California 91361  
T 818-707-6100  
F 818-483-7810  
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Proj. # 2020-160 Proj. Name CBA LOTS 12 & 13  
Date 12/22/21 Proj. Addr. LOTS 12 & 13  
Arrival Time 6:45 Departure Time 3:15  
LE Personnel ST

Contractors on-site (LE) Beverly Hills L.C. / Rubio's Landscape  
Client representatives on-site None  
Agency representatives on-site None  
Equipment on-site (LE) PDRs, Air Pump, GWS  
Equipment on-site (Contractors) Pick up trucks, weedwhacker, hedge trimmer

## SUMMARY OF WORK PERFORMED

- \* Rubio's crew on site at 7:00
- \* At 7:15 they started trimming both hedges (along CCD & NSMB) and weedwhacking simultaneously at LOT 12
- \* Pump on at 7:15
- \* Crew finished LOT 12 at 10:00 and moved to Island
- \* At the Island they started to trim hedges around Island and removing weed by hand
- \* Crew finished Island around 11:30 and took lunch break
- \* After lunch break workers continued to work at LOT 13
- \* Crew finished work at LOT 13 at 3:00
- \* Pump off at 3:00
- \* No visible dust observed
- \* Max. diff. read. =  $16 < 50 \mu\text{g}/\text{m}^3$

Action Required \_\_\_\_\_

Signature

## **APPENDIX D**

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### Field Monitoring Logs

## Dust and Weather Field Monitoring Log

Project Name: <u>CGH LOTS 12 &amp; 13</u>		Project Number: <u>2021-261</u>		Calibration (Dust): Air (filter bag)		
Weather: <u>Rainy</u>		Project Address: <u>LOTS 12 &amp; 13</u>		Calibration (Weather): None		
Date: <u>09/26/21</u>		Equipment: pDR1000, GilAir Pumps, Kestrel Weather		Signature: <i>[Signature]</i>		
Action Levels: Site Dust > 50 µg/m <sup>3</sup> , across the site    UW= Upwind    DW = Downwind    Diff= DW reading-UW reading						
Time	Total Dust Readings (µg/m <sup>3</sup> )			Wind (Coming From)	Wind Speed (mph)	Notes
	UW	DW	DIFF.			
7:15	36	48	12	—	0.0	Rubio's crew on site at
7:30	37	46	9	—	0.0	7:00
7:45	33	47	14	~	0.0	At 7:15 started weedwhacking
8:00	38	50	12	—	0.0	LOT 12 and trimming hedge
8:15	32	51	19	—	0.0	along CCD
8:30	35	47	12	—	0.0	same as above
8:45	33	44	11	—	0.0	same as above
9:00	30	42	12	—	0.0	same as above
9:15	34	43	9	SW	0.9	same as above
9:30	31	43	12	—	0.0	same as above
9:45	29	40	11	SW	1.1	same as above
10:00	32	45	13	SW	0.8	same as above
10:15	35	47	12	SW	1.3	same as above
10:30	37	48	11	WSW	1.7	same as above
10:45	31	43	12	WSW	0.9	same as above
11:00	34	44	10	WSW	1.6	Crew finished LOT 12 around 11:00
			11:00	—	11:30	LUNCH
11:30	38	49	11	SW	2.1	After lunch break worked
11:45	39	51	12	SW	1.4	moved to Island
12:00	35	50	15	W	1.9	Started removing weed and
12:15	37	53	16	SW	0.9	same old piece of hedge
12:30	33	54	21	W	0.7	same as above
12:45	31	55	24	W	1.8	same as above
1:00	34	57	23	SW	2.0	Around 1:00 crew finished Island
1:15	30	41	11	SW	2.0	and moved to LOT 13
1:30	29	44	15	SW	1.4	At LOT 13 started weedwhacking
1:45	33	47	14	SW	2.7	and trimming hedge along
2:00	34	47	13	WSW	2.8	NSWB
2:15	<del>32</del> 32	44	12	WSW	1.6	same as above
2:30	33	46	13	SW	3.1	same as above
2:45	29	44	15	SW	3.6	same as above
3:00	27	41	14	SW	4.1	same as above
3:15	30	43	13	SW	1.9	Rubio's crew finished LOT
						13 around 3:15
						No visual dust observed
						Max. Diff. Read. = 24 < 50 µg/m <sup>3</sup>

LOT 12

ISLAND









## Dust and Weather Field Monitoring Log

Project Name: CB4 LOTS 12 & 13      Project Number: 2020-261      Calibration (Dust): Air (filter bag)  
 Weather: Cloudy      Project Address: LOTS 12 & 13      Calibration (Weather): None  
 Date: 09/28/21      Equipment: pDR1000, GilAir Pumps, Kestrel Weather      Signature: *[Signature]*

Action Levels: Site Dust > 50 µg/m<sup>3</sup>, across the site      UW= Upwind      DW = Downwind      Diff= DW reading-UW reading

Time	Total Dust Readings (µg/m <sup>3</sup> )			Wind (Coming From)	Wind Speed (mph)	Notes
	UW	DW	DIFF			
9:15	22	27	5	—	0.0	Rubio's crew on-site at 9:00
9:30	20	29	7	—	0.0	At 9:15 they started cleaning
9:45	23	27	4	—	0.0	Island. Somebody drove the
8:00	24	28	4	—	0.0	car from the tip Island
8:15	21	26	5	—	0.0	through the fence inside
8:30	18	25	7	S	0.9	of Island, breaking the
8:45	19	28	9	—	0.0	fence and trees. Crew
9:00	15	22	7	SW	1.0	removed weed and other trees
9:15	13	21	8	SW	0.8	around Island.
9:30	16	24	8	—	0.0	Pumps on at 9:15
9:45	18	25	7	—	0.0	same as above
10:00	12	20	8	—	0.0	same as above
10:15	10	20	10	—	0.0	same as above
10:30	15	22	7	—	0.0	same as above
10:45	14	23	9	—	0.0	same as above
11:00	16	25	9	—	0.0	same as above
11:15	12	21	9	—	0.0	Crew finished Island around 11:15
11:30	13	11:15	—	11:45	—	LUNCH BREAK
11:45	15	15	0	—	0.0	After lunch break women
12:00	16	18	2	—	0.0	of the property sand back
12:15	18	22	4	—	0.0	crew to LOT 13 to <del>clean</del>
12:30	12	17	5	SW	0.9	clean weed along NSMB
12:45	14	20	6	SW	1.0	same as above
1:00	15	22	7	—	0.0	same as above
1:15	13	18	5	—	0.0	same as above
1:30	12	19	7	SW	1.1	same as above
1:45	11	18	7	SW	1.0	Crew finished everything
						around 1:45
						Pumps off at 1:45
						No visible dust observed
						Max. diff. read. = 10 < 50 µg/m <sup>3</sup>





# Dust and Weather Field Monitoring Log

Project Name: <b>CBH LOTS 12 &amp; 13</b>		Project Number: <b>2020-261</b>		Calibration (Dust): Air (filter bag)	
Weather: <b>Cloudy</b>		Project Address: <b>LOTS 12 &amp; 13</b>		Calibration (Weather): None	
Date: <b>10/26/21</b>		Equipment: pDR1000, GilAir Pumps, Kestrel Weather		Signature:	
Action Levels: Site Dust > 50 µg/m <sup>3</sup> , across the site    UW= Upwind    DW = Downwind    Diff= DW reading-UW reading					

LOT 12

LOT 13

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Time	Total Dust Readings (µg/m <sup>3</sup> )			Wind (Coming From)	Wind Speed (mph)	Notes
	UW	DW	DIFF.			
7:15	39	44	5	—	0.0	Rubio's crew on site at 7:00
7:30	35	44	9	—	0.0	
7:45	37	46	9	—	0.0	At 7:15 workers started weedwhacking where they
8:00	35	47	14	—	0.0	stopped day before app.
8:15	32	45	13	—	0.0	from the Foothill division
8:30	36	48	12	—	0.0	CCD
8:45	34	50	14	—	0.0	
9:00	30	45	15	NW	0.9	Pump on at 7:15
9:15	29	41	12	NW	1.8	Same as above
9:30	36	46	10	—	0.0	Same as above
9:45	38	49	11	—	0.0	Same as above
10:00	35	50	15	SW	1.8	Same as above
10:15	31	51	20	SW	0.9	Same as above
10:30	28	47	9	—	0.0	Crew finished LOT 12 around 10:30 and they took <del>break</del>
10:45	32	46	14	—	0.0	15 min. Lunch break
11:00	36	48	12	SW	2.1	After lunch break crew started weedwhacking LOT 13
11:15	31	44	13	WSW	3.6	
11:30	30	47	17	SW	2.8	Same as above
11:45	33	49	16	SW	2.9	Same as above
12:00	32	49	17	WSW	1.1	Same as above
12:15	28	38	10	—	0.0	Same as above
12:30	27	39	12	—	0.0	Same as above
12:45	29	39	10	SW	4.0	Same as above
1:00	25	41	16	SW	3.9	Same as above
1:15	24	40	16	WSW	4.6	Same as above
1:30	27	36	9	WSW	4.2	Same as above
1:45	29	39	10	WSW	1.0	Same as above
2:00	25	35	10	SW	4.7	Same as above
2:15	22	31	9	S	5.1	Crew finished LOT 13 around 2:15 and moved to Island
2:30	33	41	8	—	0.0	
2:45	30	43	13	S	4.8	Around 2:20 they started weedwhacking Island visible
3:00	31	40	9	S	2.6	and removing brush and weed around Island by hand
3:15	34	44	10	SW	3.9	Workers finished work for the day around 3:15
						Pump off at 3:15
						No visible dust observed
						Max. diff. read. = 19.5 µg/m <sup>3</sup>



# Dust and Weather Field Monitoring Log

Project Name: <b>CB4 LOT 12 &amp; 13</b>	Project Number: <b>2020-261</b>	Calibration (Dust): Air (filter bag)
Weather: <b>cloudy</b>	Project Address: <b>LOTS 12 &amp; 13</b>	Calibration (Weather): None
Date: <b>11/22/21</b>	Equipment: pDR1000, GilAir Pumps, Kestrel Weather	Signature: <i>[Signature]</i>
Action Levels: Site Dust > 50 µg/m <sup>3</sup> across the site    UW= Upwind    DW = Downwind    Diff= DW reading-UW reading		

Time	Total Dust Readings (µg/m <sup>3</sup> )			Wind	Wind Speed	Notes
	UW	DW	DIFF	(Coming From)	(mph)	
7:15	56	67	11	—	0.0	Rubio's crew on site at 7:00
7:30	58	64	6	—	0.0	Started trimming hedge on
7:45	54	61	7	—	0.0	both sides of LOT 12, <del>along</del>
8:00	53	63	10	—	0.0	CCD and USMB
8:15	55	64	9	—	0.0	Same as above
8:30	51	66	15	—	0.0	Same as above
8:45	48	61	13	—	0.0	Same as above
9:00	49	60	11	—	0.0	Same as above
9:15	53	65	12	—	0.0	Pump on at 7:15
9:30	50	61	11	SW	1.7	Same as above
9:45	51	62	11	SW	0.9	Same as above
10:00	47	58	11	—	0.0	Same as above
10:15	49	54	5	WSW	1.7	Same as above
10:30	45	55	10	SW	2.6	Crew finished LOT 12 around
10:45	50	60	10	SW	2.8	10:30 and moved to Island
11:00	53	65	12	SW	2.5	At Island they started trimming
11:15	48	61	13	—	0.0	hedge around and removing
11:30	49	60	11	—	0.0	weed by hand
11:45	46	58	12	SW	1.3	Same as above
12:00	44	59	15	SW	2.7	Work finished Island around 12:00
						12:00 - 12:30 LUNCH
12:30	42	51	9	—	0.0	Crew moved to LOT 13 and
12:45	45	53	8	SW	3.2	started trimming hedge along
1:00	43	55	12	SW	2.8	USMB
1:15	40	52	12	WSW	2.7	Same as above
1:30	44	56	12	S	3.1	Same as above
1:45	41	55	14	SW	1.2	Same as above
2:00	40	53	13	SW	0.3	Same as above
2:15	40	53	13	SW	2.6	Same as above
2:30	44	56	12	SW	2.2	Same as above
2:45	41	52	11	SW	2.4	Same as above
3:00	38	50	12	SW	3.0	Same as above
						Crew finished LOT 13 around 3:00
						Pumps off at 3:00
						No ritual shift observed
						Max diff-meas. = 14 < 50 µg/m <sup>3</sup>

LOT 12

ISLAND

LOT 13



# Dust and Weather Field Monitoring Log

Project Name: <u>CBH 2012 12 &amp; 13</u>	Project Number: <u>2020-160</u>	Calibration (Dust): Air (filter/bag)
Weather: <u>Cloudy</u>	Project Address: <u>LOTS 12 &amp; 13</u>	Calibration (Weather): None
Date: <u>12/22/21</u>	Equipment: pDR1000, GilAir Pumps, Kestrel Weather	Signature: <i>[Signature]</i>
Action Levels: Site Dust > 50 µg/m <sup>3</sup> , across the site    UW= Upwind    DW = Downwind    Diff= DW reading-UW reading		

Time	Total Dust Readings (µg/m <sup>3</sup> )			Wind (Coming From)	Wind Speed (mph)	Notes
	UW	DW	DIFF			
7:15	26	31	5	—	0.0	Rubio's crew started trimming
7:30	28	35	7	—	0.0	both hedges (along CED & NSMB)
7:45	30	36	6	—	0.0	and weed whacking simultaneously
8:00	29	33	4	—	0.0	at LOT 12
8:15	24	30	6	—	0.0	Pump on at 7:15
8:30	28	36	8	—	0.0	same as above
8:45	29	37	8	—	0.0	same as above
9:00	25	32	9	—	0.0	same as above
9:15	21	31	10	—	0.0	same as above
9:30	25	33	8	SW	0.9	same as above
9:45	26	37	11	—	0.0	same as above
10:00	22	30	8	SW	1.0	At 10:00 work had finished
10:15	24	31	7	—	0.0	LOT 12 and moved to the
10:30	25	36	11	—	0.0	Island. At the Island they
10:45	21	33	12	SW	1.1	started to trim hedge and
11:00	20	34	14	SW	0.9	removing weed around Island
11:15	23	36	13	SW	2.0	by hand
11:30	20	33	13	—	0.0	Crew finished Island at 11:30
			11:30 - 12:00			LUNCH
12:00	26	34	8	—	0.0	Crew started weedwhacking
12:15	23	32	9	—	0.0	and trimming hedge along
12:30	23	31	8	SW	1.3	NSMB at LOT 13
12:45	25	36	11	SW	1.2	same as above
1:00	21	37	16	SW	1.6	same as above
1:15	20	34	14	—	0.0	same as above
1:30	23	35	12	—	0.0	same as above
1:45	24	33	9	SW	1.9	same as above
2:00	22	31	9	SW	0.9	same as above
2:15	21	35	12	—	0.0	same as above
2:30	20	31	11	SW	2.1	same as above
2:45	25	37	12	SW	2.0	same as above
3:00	23	34	11	SW	2.3	Crew finished LOT 13 around 3:00
						Pump off at 3:00
						No visible dust observed
						Max. Diff. Read = 16 < 50 µg/m <sup>3</sup>

LOT 12

ISLAND

LOT 13

