July 26, 2021
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: January 26 to June 29, 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 on 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 ($\mu g/m^3$) 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, and presented in our report, dated April 28, 2017, also from April 24 through July 7, 2017, and presented in our report, dated October 12, 2017, from July 10 through December 29, 2017, and presented in our report, dated February 25, 2018, from January 5 through June 11, 2018, and presented in our report, dated July 2, 2018, from June 26 through September 18, 2018, and presented in our report, dated October 15, 2018, from October 9, 2018 through January 29, 2019, and presented in our report, dated February 6, 2019, February 12, 2019 through June 24, 2019, and presented in our report dated August 5, 2019, from July 16 through December 3, 2019, and presented in our report, dated February 4, 2020, from January 6 to July 7, 2020, and presented in our report, dated August 10, 2020, and lastly from August 11 through December 10, 2020, and presented in our report, dated January 15, 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.

This report summarizes the additional maintenance work by BHLC and drilling by Langan Engineering (Langan) performed on Lots 12 and 13, and on the island, between January 26 to June 29, 2021. Between May 10 through May 12, Langan performed a geotechnical fault investigation at the site. 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 repair to irrigation lines.

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 and Langan between January 26 to June 29, 2021 (see Table 1 for specific work dates). 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 on 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.

The fault investigation was performed by Langan's subcontractors Kehoe Testing and Engineering, and 2R Drilling, Inc. Field activated included continuous core drilling, using a hollow stem auger drill rig, and cone penetrometer testing (CPT), using a CPT truck-mounted drill rig.

## 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 µg/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. Adverse wind conditions are considered either a wind speed greater than 15 miles per hour (mph) averaged over a 15-minute period, or instantaneous wind speeds 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 are included as Appendix D, and 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 µg/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 µg/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 May 24, 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.

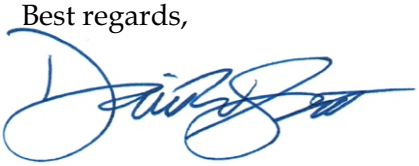
## RECOMMENDATIONS

LE recommends continuation of monitoring and collection of daily downwind air samples for total arsenic in dust, and only analyzing the samples in the event dust is observed in the work area and there is either visible dust crossing the property line or the action level for fugitive dust is exceeded.

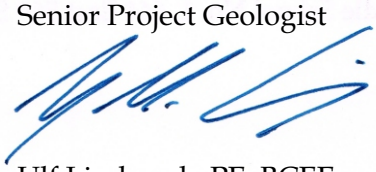
LE also recommends that a source of water for dust suppression continues to be available at all times during maintenance work since activities not involving power tools may still generate dust if the soil is sufficiently dry (e.g. vehicle traffic, digging, and raking).

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

Best regards,



David W. Smith, PG
Senior Project Geologist



Ulf Lindmark, PE, BCEE
President

UML:dws

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

# APPENDIX A

Figures 1 through 3

ALPINE DR.

ALLEY WAY

PLANTER

LAWN

FOOTHILL RD.

ALLEY WAY

PLANTER

LAWN

ELM DR.

ALLEY WAY

PLANTER

LAWN

MAPLE DR.

ALLEY WAY

PLANTER

LAWN

PALM DR.

# NORTH SANTA MONICA BOULEVARD

BEVERLY BLVD.

LOT 12

LOT 12

PARKING AREA

PARKING AREA

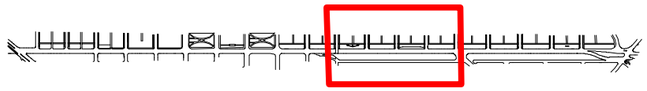
CIVIC CENTER DR.

CIVIC CENTER DR.

ALLEY WAY

ALLEY WAY

FOOTHILL RD.



NORTH

SCALE: 1" = 100'

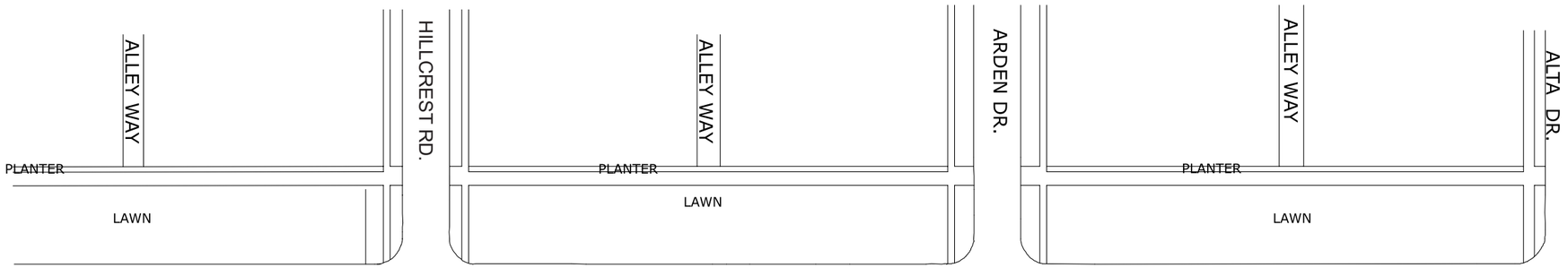
0" 1" 2"

0' 100' 200'

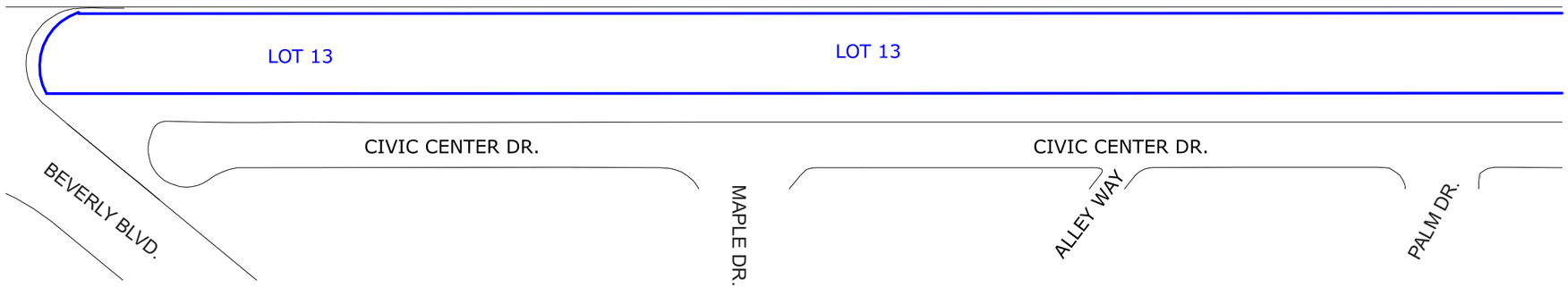
**PROJECT COMPLETION REPORT**
**LOTS 12 AND 13**

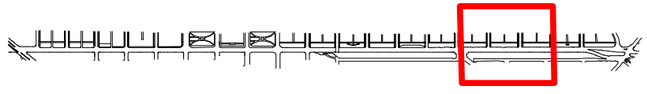
**ALPINE DR. TO BEVERLY BLVD.**

| Drafted by: | Approved By: | Date: | Figure No.: |
|---|---|---|---|
| ST | UL | 1/17 | **1** |




NORTH SANTA MONICA BOULEVARD



SCALE: 1" = 100'

0" 1" 2"

0' 100' 200'

LINDMARK ENGINEERING

**PROJECT COMPLETION REPORT**
**LOTS 12 AND 13**

**BEVERLY BLVD. TO ALTA DR./PALM DR.**

| Drafted by: | Approved By: | Date: | Figure No.: |
|---|---|---|---|
| ST | UL | 1/17 | **2** |

ALTA DR.

ALLEY WAY

SIERRA DR.

PLANTER

LAWN

ALLEY WAY

CARMELITA AVE.

PLANTER

LAWN

NORTH SANTA MONICA BOULEVARD

LOT 13

LOT 13

DOHENY DR.

CIVIC CENTER DR.

ALLEY WAY

OAKHURST DR.

ALLEY WAY

NORTH

SCALE: 1" = 60'

0" 1" 2"

0' 60' 120'

**PROJECT COMPLETION REPORT**
**LOTS 12 AND 13**

**ALTA DR./PALM DR. TO DOHENY DR.**

| Drafted by: | Approved By: | Date: | Figure No.: |
|---|---|---|---|
| ST | UL | 1/17 | **3** |

# APPENDIX B

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. |
| 1/26/2021 | | | | | | | | | | | | |
| 2/23/2021 | | | | | | | | | | | | |
| 3/29/2021 | | | | | | | | | | | | |
| 3/30/2021 | | | | | | | | | | | | |
| 4/26/2021 | | | | | | | | | | | | |
| 4/27/2021 | | | | | | | | | | | | |
| 5/10/2021 | | | | | | | | | | | | |
| 5/11/2021 | | | | | | | | | | | | |
| 5/12/2021 | | | | | | | | | | | | |
| 5/24/2021 | | | | | | | | | | | | |
| 6/28/2021 | | | | | | | | | | | | |
| 6/29/2021 | | | | | | | | | | | | |

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

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. #** 2020-261 **Proj. Name** CBH LOTS 12 & 13
**Date** 01/26/21 **Proj. Addr.** LOTS 12 & 13
**Arrival Time** 6:45 **Departure Time** 3:00
**LE Personnel** ST

**Contractors on-site (~~LE~~)** BH Land C. / Rubio's Landscape
**Client representatives on-site** None
**Agency representatives on-site** None
**Equipment on-site (LE)** PDRs, Air Pump, WKS
**Equipment on-site (Contractors)** Pickup truck, water thank, weedwhackers, Hedge trim

**SUMMARY OF WORK PERFORMED**

* Rubio's Crew on site at 6:45
* Started watering LOT 12 using water tank and weedwhacking from the East side of LOT 12
* Pump on at 7:00
* Crew finished weedwhacking around 10, then cont. trimming hedge along NSMB
* Workers finished LOT 12 around 11:00 and moved to LOT 13
* After lunch break crew started to watering LOT 13 and weedwhacking LOT 13
* Workers finished weedwhacking around 2:00 and continued trimming hedge along NSMB
* Crew finished everything at 3:00
* Pump off at 3:00
* No visual dust observed
* Max. diff. read. = 15 µg/m³

**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. # 220-261 Proj. Name CBH LOTS 12 & 13

Date 02/23/21 Proj. Addr. LOTS 12 & 13

Arrival Time 7:30 Departure Time 3:30

LE Personnel ST / DS

Contractors on-site (~~LE~~) BH Land Comp. / 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, weedwhackers, water tank

**SUMMARY OF WORK PERFORMED**

* Rubio's crew on site at 7:00
* "Pine" did not delivered instruments in the morning.
* Crew started watering and weedwhacking LOT 12, and removing weeds outside along NSMB as well
* Workers finished LOT 12 at 11:30;
* "Pine" delivered instruments at 11:49;
* After lunch break crew started watering and weedwhacking LOT 13 inside, and removing weeds by hands outside along NSMB;
* Pumps ~~off~~ on at 12:00
* Crew finished LOT 13 around 3:10
* Pumps off at 3:15
* No visual Dust observed
* Max. diff. head = 20 < 50 $\mu g/m^3$

**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. #** 2020-264 **Proj. Name** CBH LOTS 12 & 13
**Date** 03/29/21 **Proj. Addr.** LOTS 12 & 13
**Arrival Time** 6:30 **Departure Time** 3:00
**LE Personnel** ST

**Contractors on-site (LE)** BH Land Comp. / 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, water tank, weedwhackers

**SUMMARY OF WORK PERFORMED**

* Rubio's crew on site at 7:00
* Started watering and weedwhacking LOT 12, removing weed along NSMB as well
* Crew finished LOT 12 around 3:00
* Pump on at 7:15
* Pump off at 3:00
* No visual dust observed
* Max. diff. head. = 18 < 50 lgg/m3

**Action Required**

Signature

# Field Report

**Sheet ___ of ___**

2625 Townsgate Road, Suite 330,
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T 818-707-6100
F 818-483-7810
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**Proj. #** 2020-25 **Proj. Name** CBH LOTS 12 & 13
**Date** 03/30/21 **Proj. Addr.** LOTS 12 & 13
**Arrival Time** 6:45 **Departure Time** 3:00
**LE Personnel** ST

**Contractors on-site (~~LE~~)** BH Land Comp. / Rubio's Landscape
**Client representatives on-site** None
**Agency representatives on-site** None
**Equipment on-site (LE)** PDRs, Air Pump, 4WS
**Equipment on-site (Contractors)** Pick up truck, water tank, weedwhacker

**SUMMARY OF WORK PERFORMED**

* Rubio's crew on site at 6:45
* Move to Island
* Over the weekend somebody drove through fence on south bound of NSMB
* Crew started watering by water truck and weedwhacking, at the same time they started removing weed outside of Island by hands
* Workers finished Island around 9:45 and moved to LOT 13
* At LOT 13 they started watering LOT using water tank, weedwhacking and removing weed by hands along NSMB
* Crew finished everything at 3:00
* Pump on at 9:00
* Pump off at 3:00
* No visual dust observed
* Max. diff. read. = 13 < 50 µg/m³

**Action Required**

Signature

# Field Report

Sheet ___ of ___

LINDMARK ENGINEERING
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F 818-483-7810
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Proj. # 220-261 Proj. Name CBH LOTS 12 & 13

Date 04/26/21 Proj. Addr. LOTS 12 & 13

Arrival Time 6:30 Departure Time 3:15

LE Personnel ST

Contractors on-site (LE) BH Land comp. / 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, water tank, hedge trimmers, weed whacker

**SUMMARY OF WORK PERFORMED**

* Rubio's crew on-site at 6:45
* Started watering LOT 12 and trimming hedge along NSMB
* Around 10:30 part of crew started weed whacking LOT 12
* Crew finished LOT 12 around 3:00
* Pump on at 7:00, off at 3:00
* No visual dust observed
* Max-diff. read. = 19 < 50 µg/m³

**Action Required**

Signature

# Field Report

**Sheet ___ of ___**

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**Proj. #** 2020-261 **Proj. Name** CBH LOTS 12 & 13
**Date** 04/27/21 **Proj. Addr.** LOTS 12 & 13
**Arrival Time** 6:45 **Departure Time** 2:00
**LE Personnel** ST

**Contractors on-site (~~LE~~)** BH Lamd Co. / Rubio's Landscape
**Client representatives on-site** Name
**Agency representatives on-site** Name
**Equipment on-site (LE)** PDRs, Air Pump, KWS
**Equipment on-site (Contractors)** Pick up truck, hedge trimmers, water tank ~~weedwhackers~~

**SUMMARY OF WORK PERFORMED**

* Rubio's crew on site at 7:00
* At 7:15 crew started trimming hedge around Island
* At 8:30 workers finished Island and moved to LOT 13
* Started watering LOT 13 by water tank and trimming hedge along NSMB
* Part of crew started weedwhacking LOT 13
* Pump on at 7:15
* Crew finished LOT 13 around 2:00
* Pump off at 2:00
* No visual dust observed
* Max. diff. read. = 9 < 50 $\mu g/m^3$

**Action Required**

Signature

# Field Report

**Sheet ___ of ___**

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**Proj. #** 220-261 **Proj. Name** CBH LOTS 12 & 13

**Date** 05/10/21 **Proj. Addr.** LOTS 12 & 13

**Arrival Time** 6:30 **Departure Time** 4:15

**LE Personnel** ST / DS

**Contractors on-site ~~(LE)~~** BH Land C. / LANGAN, KEHO, ZR DRILLING

**Client representatives on-site** NONE

**Agency representatives on-site** NONE

**Equipment on-site (LE)** PDRs, Air Pump, KWS

**Equipment on-site (Contractors)** Drilling Rigs

**SUMMARY OF WORK PERFORMED**

* Drilling Comp. on site at 7:30
* started drilling 8:30
* Pump on at 8:00
* CPT crew finished both Lots (12 & 13) around 1:45
* First ZR Drilling Crew finished LOT 12 around 1:15 / completed 4 borings
* second crew finished drilling around 4:15 / completed 2 borings
* Pump off at 4:00
* No visual dust observed
* Max. diff. read. = 20 < 50 µg/m³

Note: In the morning one of the drilling Rigs generated small amount of dust during skirting. After warming they started watering Rig's path.

**Action Required**

Signature

# Field Report

**Sheet ___ of ___**

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**Proj. #** 2020-261 **Proj. Name** CBH LOTS 12 & 13

**Date** 05/11/21 **Proj. Addr.** LOTS 12 & 13

**Arrival Time** 7:15 **Departure Time** 2:45

**LE Personnel** ST

**Contractors on-site (LE)** BH Land C. / 2R Drilling, Langan

**Client representatives on-site** None

**Agency representatives on-site** None

**Equipment on-site (LE)** PDRs, Air Pump, GWS

**Equipment on-site (Contractors)** Drilling Rig

**SUMMARY OF WORK PERFORMED**

* 2R Drilling crew together with Langan on site at 8:00
* started drilling at 8:30
* Pump on at 8:30
* 2R Drilling crew completed 2 borings today
* They finished around 2:30
* Pumps off at 2:30
* No visual dust observed
* Max. diff. meas. = 15 < 50 ug/m³

**Action Required**

Signature

# Field Report

**Sheet ___ of ___**

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**Proj. #** 2020-261 **Proj. Name** CBH LOTS 12 & 13

**Date** 05/12/21 **Proj. Addr.** LOTS 12 & 13

**Arrival Time** 7:30 **Departure Time** 2:15

**LE Personnel** ST

**Contractors on-site (~~LE~~)** BH Land C. / 2R Drilling, Langan

**Client representatives on-site** None

**Agency representatives on-site** None

**Equipment on-site (LE)** PDRs, Air Pump, KWS

**Equipment on-site (Contractors)** Drilling Rig

**SUMMARY OF WORK PERFORMED**

* 2R Drilling and Langan Crews on-site at 7:45
* Entered LOT 13 and started drilling boring in the middle of LOT 13 (between Alley and Palm St.)
* Pump on at 8:00
* Crew completed work at LOT 13 (2 borings) around 1:30
* Pump off around 1:45
* No visual dust observed
* Max. diff. read. = 18 < 50 µg/m³

**Action Required**

Signature

# Field Report

**Sheet** 1 **of** 2

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** 5/24/21 **Proj. Addr.** Lots 12 & 13
**Arrival Time** 7:00 **Departure Time** 2:30
**LE Personnel** DWS

**Contractors on-site (LE)** Rubio's Landscaping
**Client representatives on-site** None
**Agency representatives on-site** None
**Equipment on-site (LE)** (1) PDR 1000, (1) Kestrel weather station
**Equipment on-site (Contractors)** Pickup truck, ATV, POR truck, power shears, hand tools

**SUMMARY OF WORK PERFORMED**

The landscaping work began at Lot 12 and consisted mostly of hedge trimming along civic center drive, and some trimming along NSMIB. Instruments for dust monitoring arrived at 9:00 AM.

Prior to 9:00, LE did not observe any dust when monitoring the work without dust meters.

Following lunch, the crew moved on to Lot 13, Primarily, work was located along Civic Center Drive. Some minor repair to irrigation lines was performed, and weeding along NSMIB.

The crew left the site for the day @ 2:25.

**Action Required** None

Signature

# Field Report

Sheet ___ of ___

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Proj. # 2020-26 Proj. Name CBH LOTS 12 & 13
Date 06/28/21 Proj. Addr. LOTS 12 & 13
Arrival Time 6:30 Departure Time 3:00
LE Personnel ST

Contractors on-site (LE) BH 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) Water tanks, hedge trimmers, weedwhackers

**SUMMARY OF WORK PERFORMED**

*Rubio's two man crew on site at 7:00
*One man started trimming hedge along CCD at LOT 13; the other men started watering Lot 12 using water tank
*After finished watering the same men started weedwhacking
* First men finished trimming hedge along CCD and started trimming hedge along NSMB
* Second men finished weedwhacking LOT 12 and joined first men on trimming hedge along NSMB
* They finished everything around 3:00
* No visual dust observed
* Max. diff. head. = 20 < 50 µg/m³

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. # 2020-26 Proj. Name CBH LOTS 12 & 13

Date 06/29/30 Proj. Addr. LOTS 12 & 13

Arrival Time 6:45 Departure Time

LE Personnel ST

Contractors on-site (LE) Beverly Hills L. comps. / Rubio's Landscape

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, hedge trimmers, weedwhackers

**SUMMARY OF WORK PERFORMED**

* Rubio's two man crew arrived at 7:00
* Started removing overgrown weed around Island by hands
* Finished Island around 9:30 and moved to LOT 13
* Pump on at 7:15
* At LOT 13 one men started trimming hedge along NSMB, the other men started watering LOT 13 using water tank and afterwards started weedwhacking
* Around 11:00 second men finished weedwhacking and joined first men
* They finished everything around 1:30
* Pump off at 1:45
* No visual dust observed
* Max. dif. read. = 18 C 50 µg/m³

Action Required

Signature

# APPENDIX D

Field Monitoring Logs

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020 - 261 | Calibration (Dust): Air (filter bag) |
| Weather: Clear / Cold | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 01/26/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:00 | 10 | 18 | 8 | — | 0.0 | Rubio's crew on site at [redacted] |
| 7:15 | 14 | 19 | 5 | SW | 3.1 | 6:45; started watering LOT 12 |
| 7:30 | 11 | 19 | 8 | WSW | 2.9 | and weedwhacking from |
| 7:45 | 10 | 17 | 7 | WSW | 1.8 | the East side of LOT 12 |
| 8:00 | 15 | 18 | 3 | WSW | 3.6 | Pumps on at 7:00 |
| 8:15 | 13 | 20 | 7 | WSW | 4.2 | same as above |
| 8:30 | 11 | 19 | 8 | SW | 5.3 | same as above |
| 8:45 | 10 | 16 | 6 | SW | 3.7 | same as above |
| 9:00 | 9 | 17 | 8 | S | 4.7 | same as above |
| 9:15 | 7 | 17 | 10 | S | 2.6 | same as above |
| 9:30 | 11 | 19 | 8 | S | 1.8 | same as above |
| 9:45 | 13 | 20 | 7 | WSW | 2.3 | same as above |
| 10:00 | 10 | 21 | 11 | WSW | 1.7 | Crew finished weedwhacking |
| 10:15 | 8 | 23 | 15 | SW | 4.8 | around 10 then cont. trimming |
| 10:30 | 6 | 21 | 15 | SW | 5.1 | hedge along NSMB |
| 10:45 | 9 | 20 | 11 | WSW | 1.7 | same as above |
| 11:00 | 10 | 22 | 12 | WSW | 1.9 | Workers finished LOT 12 around 11:00 |
| | | 11:00 | | — | 11:30 | LUNCH |
| 11:30 | 13 | 24 | 9 | WSW | 2.2 | After lunch break crew |
| 11:45 | 15 | 21 | 6 | WSW | 3.3 | moved to LOT 13 and started |
| 12:00 | 14 | 23 | 9 | WSW | 3.1 | watering LOT 13 using water |
| 12:15 | 16 | 25 | 9 | SW | 4.7 | tank and weedwhacking |
| 12:30 | 12 | 27 | 15 | SW | 5.3 | same as above |
| 12:45 | 11 | 24 | 13 | S | 5.2 | same as above |
| 1:00 | 13 | 24 | 11 | S | 2.1 | same as above |
| 1:15 | 11 | 21 | 10 | — | 0.0 | same as above |
| 1:30 | 9 | 23 | 14 | — | 0.0 | same as above |
| 1:45 | 12 | 22 | 12 | WSW | 3.6 | same as above |
| 2:00 | 12 | 24 | 12 | WSW | 2.2 | Workers finished on weedwhack. |
| 2:15 | 11 | 25 | 14 | SW | 2.2 | around 2:00 and started |
| 2:30 | 15 | 26 | 11 | WSW | 3.7 | trimming hedge along NSMB |
| 2:45 | 14 | 23 | 9 | WSW | 4.1 | same as above |
| 3:00 | 16 | 24 | 8 | WSW | 3.2 | Crew finished LOT 13 around 3:00 |
| | | | | | | Pumps off at 3:00 |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. read. = 15 < 50 µg/m3 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

LANDMARK ENGINEERING

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBY LOTS 12 & 13 | Project Number: 220-261 | Calibration (Dust): Air (filter bag) |
| Weather: Clear | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 02/23/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:20 | | | | 0.0 | — | Rubio's crew on site at 7:00 |
| 7:45 | | | | 0.0 | — | started watering and weeding. |
| 8:00 | | | | 0.0 | — | LOT 12 also removing weeds |
| 8:15 | | | | 0.0 | — | by hand & along NSM3 |
| 8:30 | | | | 0.0 | — | same as above |
| 8:45 | | | | 0.0 | — | same as above |
| 9:00 | | | | 0.0 | — | same as above |
| 9:15 | | | | 0.0 | — | same as above |
| 9:30 | | | | 0.0 | — | same as above |
| 9:45 | | | | 0.0 | — | same as above |
| 10:00 | | | | 0.0 | — | same as above |
| 10:15 | | | | SW | 0.8 | same as above |
| 10:30 | | | | WSW | 0.9 | same as above |
| 10:45 | | | | WSW | 1.0 | same as above |
| 11:00 | | | | WSW | 0.9 | same as above |
| 11:30 | | | | SW | 1.8 | Crew finished LOT 12 at |
| | 11:30 | — 12:00 | | LUNCH | | 11:30 and took lunch break |
| 12:00 | 56 | 68 | 12 | SW | 2.9 | "Time" delivered instruments |
| 12:15 | 58 | 69 | 11 | SW | 1.3 | at 11:49 |
| 12:30 | 53 | 69 | 16 | SW | 3.7 | After lunch breaks crew |
| 12:45 | 50 | 65 | 15 | WSW | 3.6 | moved to LOT 13 and started |
| 1:00 | 56 | 68 | 13 | WSW | 4.1 | watering and weedwhacking |
| 1:15 | 51 | 67 | 16 | SW | 5.6 | and removing weeds along NSM3 |
| 1:30 | 50 | 67 | 17 | SW | 6.7 | as well |
| 1:45 | 54 | 66 | 12 | SW | 7.1 | same as above |
| 2:00 | 53 | 67 | 14 | SW | 6.3 | same as above |
| 2:15 | 55 | 69 | 14 | WSW | 7.1 | same as above |
| 2:30 | 50 | 70 | 20 | WSW | 5.3 | same as above |
| 2:45 | 51 | 66 | 15 | SW | 5.0 | same as above |
| 3:00 | 49 | 63 | 14 | WSW | 6.6 | same as above |
| 3:15 | 53 | 65 | 12 | WSW | 6.8 | Workers finished LOT 13 at |
| | | | | | | 3:10. |
| | | | | | | Pumps on at 12:00 off at 3:15 |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. read. = 20 < 50 µg/m³ |

NO INSTRUMENTS

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: | Calibration (Dust): Air (filter bag) |
| Weather: Clear | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 03/29/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:15 | 15 | 28 | 13 | — | 0.0 | Rubio's crew on site at |
| 7:30 | 17 | 30 | 13 | — | 0.0 | 7:00 |
| 7:45 | 16 | 27 | 11 | — | 0.0 | At 7:15 started watering |
| 8:00 | 14 | 28 | 14 | — | 0.0 | LOT 12 using water tank |
| 8:15 | 19 | 31 | 12 | — | 0.0 | and weedwhacking LOT 12 |
| 8:30 | 16 | 30 | 14 | — | 0.0 | from the East side |
| 8:45 | 18 | 29 | 11 | — | 0.0 | Pump on at 7:15 |
| 9:00 | 17 | 28 | 11 | — | 0.0 | Part of the crew started |
| 9:15 | 20 | 33 | 13 | — | 0.0 | removing weed outside |
| 9:30 | 22 | 35 | 13 | — | 0.0 | of LOT 12 along NSMB by hand |
| 9:45 | 21 | 31 | 10 | — | 0.0 | same as above |
| 10:00 | 18 | 32 | 14 | — | 0.0 | same as above |
| 10:15 | 16 | 31 | 15 | SW | 0.8 | same as above |
| 10:30 | 15 | 33 | 18 | SW | 0.9 | same as above |
| 10:45 | 17 | 34 | 17 | — | 0.0 | same as above |
| 11:00 | 17 | 32 | 15 | — | 0.0 | same as above |
| | | 11:00 | — 11 | :30 | | LUNCH |
| 11:30 | 19 | 34 | 15 | SW | 0.9 | After lunch break crew |
| 11:45 | 22 | 36 | 14 | WSW | 1.8 | cont. with the same |
| 12:00 | 25 | 33 | 8 | WSW | 0.7 | activities |
| 12:15 | 21 | 31 | 10 | WSW | 2.6 | same as above |
| 12:30 | 24 | 36 | 12 | SW | 2.3 | same as above |
| 12:45 | 26 | 33 | 7 | S | 1.8 | same as above |
| 1:00 | 23 | 34 | 11 | SW | 0.9 | same as above |
| 1:15 | 21 | 36 | 15 | SW | 1.6 | same as above |
| 1:30 | 19 | 33 | 14 | SW | 1.3 | same as above |
| 1:45 | 25 | 34 | 9 | WSW | 2.6 | same as above |
| 2:00 | 23 | 36 | 13 | WSW | 2.4 | same as above |
| 2:15 | 27 | 38 | 11 | WSW | 3.1 | same as above |
| 2:30 | 26 | 37 | 11 | SW | 1.7 | same as above |
| 2:45 | 20 | 35 | 15 | SW | 1.5 | same as above |
| 3:00 | 21 | 36 | 15 | SW | 1.8 | same as above |
| | | | | | | Workers finished LOT 12 |
| | | | | | | completely at 3:00 |
| | | | | | | Pump off at 3:00 |
| | | | | | | No visual dust observed |
| | | | | | | Max. Diff. Read. = 18 < 50 µg/m³ |

LINDMARK ENGINEERING

# Dust and Weather Field Monitoring Log

| | | | |
|---|---|---|---|
| Project Name: CBH LOTS 12&13 | Project Number: | | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy/Clear | Project Address: LOTS 12 & 13 | | Calibration (Weather): None |
| Date: 03/30/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | | Signature: |
| Action Levels: Site Dust > 50 µg/m³, across the site | UW= Upwind | DW = Downwind | Diff= DW reading-UW reading |

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:00 | 17 | 26 | 9 | — | 0.0 | Rubio's crew on site at |
| 7:15 | 19 | 28 | 9 | — | 0.0 | 6:45 |
| 7:30 | 22 | 28 | 6 | — | 0.0 | started work at Island |
| 7:45 | 21 | 27 | 6 | — | 0.0 | Over the weekend somebody |
| 8:00 | 20 | 25 | 5 | — | 0.0 | drove through fence on South |
| 8:15 | 22 | 27 | 5 | — | 0.0 | bound of NSMB |
| 8:30 | 19 | 28 | 9 | SW | 1.1 | started watering Island weed wh. |
| 8:45 | 17 | 26 | 9 | — | 0.0 | and removing weed outside |
| 9:00 | 20 | 29 | 9 | — | 0.0 | by hangar |
| 9:15 | 23 | 31 | 8 | — | 0.0 | Worker finished Island |
| 9:30 | 22 | ~~30~~ | ~~8~~ | SW | 1.2 | around 9:45 and moved |
| 9:45 | 18 | 27 | 9 | SW | 0.9 | to LOT 13 |
| 10:00 | 19 | 29 | 10 | WSW | 0.7 | At LOT 13 started watering |
| 10:15 | 22 | 33 | 11 | WSW | 1.6 | using water tank removing |
| 10:30 | 25 | 35 | 10 | SW | 1.3 | weed outside of LOT B along |
| 10:45 | 23 | 32 | 9 | SW | 2.0 | NSMB and weedwhacking |
| 11:00 | 22 | 31 | 9 | S | 1.2 | same as above |
| | | 11:00 | — | 11:30 | | LUNCH |
| 11:30 | 20 | 31 | 11 | S | 2.3 | After lunch breaky |
| 11:45 | 19 | 29 | 10 | S | 2.0 | workers cont. weedwhacking |
| 12:00 | 21 | 27 | 6 | S | 1.9 | same as above |
| 12:15 | 23 | 31 | 8 | SW | 2.2 | same as above |
| 12:30 | 18 | 30 | 12 | SW | 1.6 | same as above |
| 12:45 | 17 | 29 | 12 | WSW | 1.5 | same as above |
| 1:00 | 20 | 26 | 6 | WSW | 2.1 | same as above |
| 1:15 | 22 | 29 | 7 | WSW | 2.8 | same as above |
| 1:30 | 16 | 29 | 13 | WSW | 2.4 | same as above |
| 1:45 | 18 | 27 | 9 | S | 3.1 | same as above |
| 2:00 | 19 | 28 | 9 | S | 2.4 | same as above |
| 2:15 | 17 | 25 | 8 | S | 1.9 | same as above |
| 2:30 | 21 | 29 | 8 | S | 2.7 | same as above |
| 2:45 | 20 | 30 | 10 | S | 2.5 | same as above |
| 3:00 | 22 | 33 | 11 | SW | 2.9 | same as above |
| | | | | | | Crew finished LOT 13 at 3:00 |
| | | | | | | Pump on at 7:00 |
| | | | | | | Pump off at 3:00 |
| | | | | | | No visual Dust observed |
| | | | | | | Max. diff. reading = 13 < 50 µg/m³ |

ISLAND

LOT 13

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-267 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 04/20/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:00 | 10 | 16 | 6 | — | 0.0 | Rubio's crew on site at 6:45 |
| 7:15 | 12 | 18 | 4 | — | 0.0 | started watering and trimming |
| 7:30 | 11 | 19 | 8 | — | 0.0 | hedge along NSMB |
| 7:45 | 7 | 16 | 9 | SW | 0.9 | Pump on at 7:00 |
| 8:00 | 12 | 18 | 6 | — | 0.0 | same as above |
| 8:15 | 10 | 19 | 9 | — | 0.0 | same as above |
| 8:30 | 11 | 20 | 9 | — | 0.0 | same as above |
| 8:45 | 14 | 23 | 9 | — | 0.0 | same as above |
| 9:00 | 15 | 25 | 10 | — | 0.0 | same as above |
| 9:15 | 12 | 24 | 12 | — | 0.0 | same as above |
| 9:30 | 10 | 25 | 13 | — | 0.0 | same as above |
| 9:45 | 13 | 24 | 11 | SW | 2.5 | same as above |
| 10:00 | 11 | 20 | 9 | SW | 2.6 | same as above |
| 10:15 | 14 | 22 | 8 | WSW | 2.3 | same as above |
| 10:30 | 15 | 24 | 9 | WSW | 1.9 | Around 10:30 part of crew started |
| 10:45 | 13 | 24 | 11 | WSW | 2.9 | weedwhacking LOT 12 |
| 11:00 | 15 | 26 | 11 | SW | 3.3 | same as above |
| 11:15 | 16 | 28 | 12 | S | 4.1 | same as above |
| 11:30 | 16 | 30 | 14 | S | 4.8 | same as above |
| | | 11:30 | | — | 12:00 | LUNCH BREAK |
| 12:00 | 17 | 33 | 16 | S | 5.3 | After lunch break crew |
| 12:15 | 16 | 30 | 14 | S | 6.1 | continued to trimming hedge |
| 12:30 | 19 | 34 | 15 | SW | 4.2 | along NSMB and weedwhacking |
| 12:45 | 20 | 36 | 16 | S | 4.3 | same as above |
| 1:00 | 21 | 32 | 11 | S | 3.1 | same as above |
| 1:15 | 19 | 31 | 12 | S | 4.6 | same as above |
| 1:30 | 17 | 33 | 16 | S | 5.7 | same as above |
| 1:45 | 19 | 35 | 16 | WSW | 7.3 | same as above |
| 2:00 | 18 | 34 | 16 | WSW | 3.9 | same as above |
| 2:15 | 18 | 32 | 14 | S | 3.1 | Crew finished trimming |
| 2:30 | 19 | 36 | 17 | S | 5.6 | hedge |
| 2:45 | 21 | 35 | 14 | S | 6.1 | same as above |
| 3:00 | 20 | 37 | 17 | S | 3.3 | same as above |
| | | | | | | Workers completed work at |
| | | | | | | LOT 12 around 3:00 |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. recod = 17 < 50 µg/m³ |
| | | | | | | |
| | | | | | | |
| | | | | | | |

# Dust and Weather Field Monitoring Log

SN 604

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 04/27/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: [signature] |

Action Levels: Site Dust > 50 µg/m³, across the site UW= Upwind DW = Downwind Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) UW | DW | DIFF | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| 7:15 | 4 | 10 | 6 | — | 0.0 | Rubio's crew on site at 7:00 |
| 7:30 | 3 | 11 | 8 | — | 0.0 | At 7:15, started trimming hedg |
| 7:45 | 5 | 9 | 4 | — | 0.0 | around Island |
| 8:00 | 6 | 13 | 7 | — | 0.0 | Pump on at 7:15 |
| 8:15 | 4 | 11 | 7 | — | 0.0 | same as above |
| 8:30 | 7 | 15 | 8 | — | 0.0 | Crew finished Island at |
| 8:45 | 10 | 17 | 7 | S | 0.9 | 8:30 and moved to LOT 13 |
| 9:00 | 9 | 14 | 5 | S | 0.7 | started watering LOT 13 |
| 9:15 | 5 | 11 | 6 | S | 1.1 | using water tank, trimming |
| 9:30 | 6 | 12 | 6 | S | 0.9 | hedge along NSMB, and |
| 9:45 | 4 | 9 | 5 | WSW | 1.3 | weedwhacking as well. |
| 10:00 | 7 | 14 | 7 | WSW | 1.5 | same as above |
| 10:15 | 8 | 16 | 8 | — | 0.0 | same as above |
| 10:30 | 9 | 15 | 6 | S | 0.9 | same as above |
| | | 10:30 | | — | 11:00 | LUNCH BREAK |
| 10:45 | 5 | 12 | 7 | SW | 2.4 | After lunch break crew |
| 11:00 | 7 | 16 | 9 | SW | 2.1 | continued trimming hedge |
| 11:15 | 8 | 17 | 9 | SW | 1.9 | and weed whacking |
| 11:30 | 6 | 13 | 7 | S | 2.6 | same as above |
| 11:45 | 5 | 14 | 9 | S | 2.6 | same as above |
| 12:00 | 5 | 11 | 6 | S | 2.9 | same as above |
| 12:15 | 6 | 11 | 5 | S | 2.6 | same as above |
| 12:30 | 6 | 14 | 8 | S | 3.6 | same as above |
| 12:45 | 8 | 16 | 8 | S | 4.1 | same as above |
| 1:00 | 10 | 17 | 7 | S | 2.0 | same as above |
| 1:15 | 12 | 19 | 7 | SW | 4.3 | same as above |
| 1:30 | 11 | 18 | 7 | SW | 5.6 | same as above |
| 1:45 | 10 | 15 | 5 | SW | 4.7 | same as above |
| 2:00 | 9 | 15 | 6 | SW | 4.9 | Crew completed work at |
| | | | | | | LOT 13 around 2:00 |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. read. = 9 ~~µg~~ < 50 µg/m³ |

ISLAND

LOT 13

LANDMARK ENGINEERING

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 05/10/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 8:30 | 24 | 44 | 20 | — | 0.0 | Drilling comp started drilling at 3 locations |
| 8:45 | 27 | 46 | 19 | — | 0.0 | |
| 9:00 | 24 | 40 | 16 | — | 0.0 | same as above |
| 9:15 | 24 | 36 | 12 | — | 0.0 | same as above |
| 9:30 | 20 | 32 | 12 | — | 0.0 | same as above |
| 9:45 | 18 | 33 | 15 | — | 0.0 | same as above |
| 10:00 | 14 | 32 | 18 | — | 0.0 | same as above |
| 10:15 | 16 | 32 | 16 | — | 0.0 | same as above |
| 10:30 | 18 | 35 | 17 | SW | 0.7 | same as above |
| 10:45 | 19 | 32 | 15 | WSW | 1.0 | same as above |
| 11:00 | 16 | 30 | 14 | WSW | 0.9 | same as above |
| 11:15 | 13 | 29 | 16 | WSW | 1.3 | same as above |
| 11:30 | 15 | 27 | 12 | SW | 1.0 | CPT Crew finished LOT 12 and moved to LOT 13 |
| 11:45 | 12 | 25 | 13 | SW | 2.1 | same as above |
| 12:00 | 11 | 26 | 15 | SW | 2.3 | same as above |
| | | 12:00 | — | 12:30 | | LUNCH |
| 12:30 | 15 | 28 | 13 | SW | 2.8 | After lunch break crews contin. to drill |
| 12:45 | 16 | 28 | 12 | S | 1.7 | same as above |
| 1:00 | 19 | 26 | 7 | SW | 1.5 | One 2R Drilling crew finished LOT 12 around 1:15 and left. |
| 1:15 | 21 | 30 | 9 | SW | 2.6 | |
| 1:30 | 18 | 30 | 12 | SW | 4.1 | CPT Crew finished both LOTS around 1:45 and left |
| 1:45 | 14 | 27 | 13 | S | 0.9 | Second 2R Drilling crew cont. to drilling |
| 2:00 | 19 | 28 | 11 | S | 1.9 | same as above |
| 2:15 | 20 | 32 | 12 | S | 4.7 | same as above |
| 2:30 | 17 | 30 | 13 | SW | 4.1 | same as above |
| 2:45 | 14 | 31 | 17 | SW | 5.6 | same as above |
| 3:00 | 14 | 27 | 13 | SW | 2.3 | same as above |
| 3:15 | 17 | 28 | 11 | SW | 4.6 | same as above |
| 3:30 | 18 | 28 | 10 | WSW | 5.5 | same as above |
| 3:45 | 15 | 29 | 14 | SW | 1.8 | same as above |
| 4:00 | 15 | 26 | 11 | SW | 2.3 | same as above |
| 4:15 | 16 | 25 | 9 | SW | 0.9 | Second crew finished drilling around 4:15, and completed 2 borings |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. read. = 20 ~~ff~~ < 50 µg/m³ |

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 05/11/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 8:30 | 49 | 52 | 3 | — | 0.0 | ER drilling crew, and LANGAN Comp. |
| 8:45 | 46 | 52 | 6 | — | 0.0 | on site at 8:00 |
| 9:00 | 43 | 51 | 8 | — | 0.0 | started drilling at 8:30 |
| 9:30 | 43 | 52 | 9 | — | 0.0 | Pump on at 8:30 |
| 9:45 | 39 | 50 | 11 | — | 0.0 | same as above |
| 10:00 | 34 | 47 | 13 | SW | 0.9 | same as above |
| 10:15 | 30 | 44 | 14 | — | 0.0 | same as above |
| 10:30 | 28 | 40 | 12 | — | 0.0 | same as above |
| 10:45 | 30 | 41 | 11 | — | 0.0 | Crew finished drilling at |
| 11:15 | 33 | 43 | 10 | — | 0.0 | LOT 12 and moved to LOT 13 |
| 11:30 | 29 | 37 | 8 | SSW | 1.7 | started drilling at 11:15 |
| 11:45 | 26 | 36 | 10 | SW | 2.9 | same as above |
| 12:00 | 25 | 38 | 13 | SW | 1.1 | same as above |
| 12:15 | 28 | 36 | 8 | SW | 0.8 | same as above |
| | | 12:15 | — | | 12:45 | LUNCH |
| 12:45 | 21 | 32 | 11 | SW | 1.8 | Crew cont. drilling after |
| 1:00 | 21 | 30 | 9 | WSW | 1.5 | Lunch break |
| 1:15 | 23 | 28 | 5 | SSW | 3.1 | same as above |
| 1:30 | 21 | 30 | 9 | SSW | 2.7 | same as above |
| 1:45 | 24 | 31 | 7 | SW | 2.8 | same as above |
| 2:00 | 22 | 29 | 7 | SW | 1.9 | same as above |
| 2:15 | 20 | 29 | 9 | SW | 2.3 | same as above |
| 2:30 | 23 | 32 | 9 | S | 1.1 | Workers finished record hole |
| | | | | | | around 2:30 |
| | | | | | | Pump off at 2:30 |
| | | | | | | No visual dust observed |
| | | | | | | Max. diff. read. = 15 < 50 µg/m³ |

# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 08/12/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 8:00 | 36 | 52 | 16 | — | 0.0 | 2R Drilling and Langan Crews |
| 8:15 | 32 | 50 | 18 | — | 0.0 | on site at 7:45 |
| 8:30 | 33 | 50 | 17 | — | 0.0 | started drilling first boring |
| 8:45 | 37 | 49 | 12 | — | 0.0 | in the middle of LOT 13 |
| 9:00 | 34 | 48 | 14 | — | 0.0 | Between Alley and Palm Dr. |
| 9:15 | 37 | 46 | 9 | — | 0.0 | at 8:00 |
| 9:30 | 39 | 49 | 10 | — | 0.0 | Pumps on at 8:0 |
| 9:45 | 40 | 52 | 12 | — | 0.0 | same at above |
| 10:00 | 41 | 51 | 10 | SW | 0.8 | same at above |
| 10:15 | 37 | 48 | 11 | SW | 0.9 | same at above |
| 10:30 | 32 | 50 | 18 | SW | 1.0 | Around 10:30 crew finished |
| 10:45 | 37 | 52 | 15 | S | 0.9 | first boring and moved to |
| 11:00 | 36 | 50 | 14 | S | 1.3 | west side of LOT 13 to |
| 11:15 | 41 | 52 | 11 | SW | 1.3 | new and exact location |
| 11:30 | 37 | 51 | 14 | SSE | 4.2 | started drilling at 11:00 |
| 11:45 | 35 | 50 | 15 | S | 3.9 | same at above |
| 12:00 | 30 | 44 | 14 | SW | 5.1 | same at above |
| 12:15 | 26 | 43 | 17 | SSE | 1.7 | same at above |
| 12:30 | 30 | 44 | 14 | SW | 1.9 | same at above |
| 12:45 | 29 | 46 | 17 | SW | 2.7 | same at above |
| 1:00 | 27 | 40 | 13 | SW | 2.5 | same at above |
| 1:15 | 32 | 45 | 13 | SW | 0.9 | same at above |
| 1:30 | 30 | 45 | 15 | SW | 1.9 | Around 1:30 crew finished |
| | | | | | | second boring |
| | | | | | | Pumps off at 1:30 |
| | | | | | | No result above observed |
| | | | | | | Max. Diff. Read. = 18 < 50 µg/m³ |

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# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CISH Lots 12&13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Clear, warm | Project Address: Lots 12 & 13 | Calibration (Weather): None |
| Date: 5/24/21 | Equipment: pDR1000, ~~GilAir Pumps~~, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site

| Time | Total Dust Readings (µg/m³) Upwind | | Downwind | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| 7:00 | — | | — | none | 0.0 | Driving onto Lot 12 |
| 7:15 | — | | — | SSW | 0.8 | Hedge trimming along Civic Center Drive, east to west |
| 7:30 | — | | — | SSW | 0.9 | as above, moving west |
| 7:45 | — | | — | SW | 1.8 | moving west, across from Maple Dr |
| 8:00 | — | | — | SSW | 0.8 | as above, across from foothill |
| 8:15 | — | | — | none | 0.0 | trimming small hedges at Beverly, Box truck arriving |
| 8:30 | — | | — | SW | 0.6 | ATV arrives, 3 ppl trimming hedges at west end of Lot 12 |
| 8:45 | — | | — | SE | 1.4 | Trimming hedges w/ ATV |
| 9:00 | 9 | | 20 | ENE | 0.8 | as above, moving ~~west~~ east, raking leaves |
| 9:15 | 14 | | 20 | SW | 1.9 | as above |
| 9:30 | 18 | | 41 | S | 2.5 | as above |
| 9:45 | 14 | | 36 | S | 3.7 | as above |
| 10:00 | 17 | | 28 | S | 2.7 | beginning to trim the tops of hedges along NSMB |
| 10:15 | 26 | | 34 | SW | 2.7 | as above |
| 10:30 | — | | — | — | — | Raking leaves, unable to take readings during call |
| 10:45 | 39 | | 38 | SW | 2.1 | beginning to trim outer hedges — no dust observed |
| 11:00 | 28 | | 24 | SW | 4.8 | breaking for lunch |
| 11:45 | 29 | | 43 | S | 2.8 | Raking leaves along Civic Center Drive |
| 12:00 | 37 | | 41 | S | 4.5 | Raking leaves |
| 12:15 | 36 | | 42 | S | 4.7 | Box truck leaving lot 12 for Lot 13 |
| 12:30 | 8 | | 30 | SSW | 5.2 | Trimming hedges along Civic Center Drive at Lot 13 |
| 12:45 | 14 | | 22 | SSW | 1.8 | at west end of Lot 13 moving east |
| 1:00 | 22 | | 23 | S | 7.0 | Trimming hedges, across from Arden |
| 1:15 | 22 | | ~~23~~ 28 | SW | 3.5 | as above |
| 1:30 | 26 | | 34 | SSW | 2.8 | fixing water line, across from Alta |
| 1:45 | 14 | | 34 | SSE | 4.7 | fixing water line at Sierra Oak |
| 2:00 | 14 | | 34 | SSE | 5.4 | Break, sitting in Box truck |
| 2:15 | 19 | | 36 | SSW | 2.7 | Driving box truck ~~east~~ west, weeding along NSMB |
| 2:25 | — | | — | — | — | Box truck leaving site, work complete |
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# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12&13 | Project Number: 2020-267 | Calibration (Dust): Air (filter bag) |
| Weather: Clear | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 06/28/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) | | | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| | UW | DW | DIFF | | | |
| 7:15 | 48 | 56 | 8 | — | 0.0 | Rubio's two man crew on site at 7:00 |
| 7:30 | 48 | 55 | 7 | — | 0.0 | |
| 7:45 | 45 | 53 | 8 | — | 0.0 | At 7:15 one man started trimming hedge along CCD, and other man started watering LOT 12 using water tank and afterwards started weed whacking |
| 8:00 | 48 | 58 | 10 | — | 0.0 | |
| 8:15 | 50 | 62 | 12 | — | 0.0 | |
| 8:30 | 47 | 61 | 14 | — | 0.0 | |
| 8:45 | 43 | 60 | 15 | — | 0.0 | |
| 9:00 | 46 | 63 | 16 | — | 0.0 | |
| 9:15 | 42 | 60 | 18 | — | 0.0 | |
| 9:30 | 40 | 60 | 20 | SW | 0.9 | same as above |
| 9:45 | 44 | 61 | 17 | WSW | 1.7 | same as above |
| 10:00 | 45 | 61 | 16 | — | 0.0 | same as above |
| 10:15 | 42 | 59 | 17 | SW | 1.8 | same as above |
| 10:30 | 40 | 58 | 18 | SW | 1.4 | same as above |
| 10:45 | 44 | 56 | 12 | SW | 2.3 | same as above |
| 11:00 | 45 | 59 | 14 | W | 1.7 | same as above |
| 11:15 | 40 | 56 | 16 | — | 0.0 | First men finished trimming hedge along CCD and started working on hedge along NSMB |
| 11:30 | 46 | 58 | 12 | — | 0.0 | |
| 11:45 | 43 | 60 | 17 | SW | 2.6 | |
| | | | LUNCH 11:45 – 12:45 | | | |
| 12:15 | 44 | 61 | 17 | SW | 1.2 | After lunch first men cont. trimming hedge along NSMB, second men finished weed whac. around 12:45 and joined first men |
| 12:30 | 47 | 66 | 19 | WSW | 0.9 | |
| 12:45 | 49 | 62 | 13 | WSW | 2.7 | |
| 1:00 | 45 | 58 | 13 | WSW | 1.6 | |
| 1:15 | 42 | 58 | 16 | SW | 2.7 | |
| 1:30 | 39 | 55 | 16 | SW | 3.1 | same as above |
| 1:45 | 43 | 59 | 16 | SW | 1.1 | same as above |
| 2:00 | 42 | 57 | 15 | SW | 1.9 | same as above |
| 2:15 | 40 | 60 | 20 | WSW | 4.0 | same as above |
| 2:30 | 45 | 61 | 16 | WSW | 1.3 | same as above |
| 2:45 | 41 | 58 | 17 | SW | 2.6 | same as above |
| 3:00 | 43 | 56 | 12 | SW | 1.0 | Crew finished everything around 3:00 |
| | | | | | | Pumps ran at 7:15, off at 3:00 |
| | | | | | | No visual dust observed |
| | | | | | | Max diff. read. = 20 < 50 mg/m3 |

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# Dust and Weather Field Monitoring Log

| | | |
|---|---|---|
| Project Name: CBH LOTS 12 & 13 | Project Number: 2020-261 | Calibration (Dust): Air (filter bag) |
| Weather: Cloudy | Project Address: LOTS 12 & 13 | Calibration (Weather): None |
| Date: 06/27/21 | Equipment: pDR1000, GilAir Pumps, Kestrel Weather | Signature: |

Action Levels: Site Dust > 50 µg/m³, across the site  UW= Upwind  DW = Downwind  Diff= DW reading-UW reading

| Time | Total Dust Readings (µg/m³) UW | DW | DIFF | Wind (Coming From) | Wind Speed (mph) | Notes |
|---|---|---|---|---|---|---|
| 7:15 | 56 | 66 | 10 | — | 0.0 | Two man Rubio's crew started removing overgrown weed around the Island |
| 7:30 | 57 | 68 | 11 | — | 0.0 | |
| 7:45 | 53 | 68 | 15 | — | 0.0 | |
| 8:00 | 53 | 65 | 12 | — | 0.0 | around 7:15 |
| 8:15 | 51 | 66 | 15 | — | 0.0 | Pumps on at 7:15 |
| 8:30 | 55 | 68 | 13 | — | 0.0 | same as above |
| 8:45 | 56 | 67 | 11 | — | 0.0 | same as above |
| 9:00 | 52 | 65 | 13 | SW | 1.1 | same as above |
| 9:15 | 53 | 69 | 16 | SW | 0.9 | same as above |
| 9:30 | 52 | 70 | 18 | — | — | Crew finished Island |
| 9:45 | 51 | 68 | 17 | — | 0.0 | around 9:30 and moved |
| 10:00 | 54 | 66 | 12 | SW | 2.3 | to LOT 13 |
| 10:15 | 55 | 63 | 8 | WSW | 1.0 | At LOT 13 crew split up |
| 10:30 | 50 | 66 | 16 | WSW | 0.9 | One man started trimming |
| 10:45 | 52 | 61 | 9 | SW | 3.6 | hedge along NSMB, the |
| 11:00 | 54 | 66 | 12 | SW | 0.9 | other one started watering |
| | 11:00 | — 1:30 | | Lunch | | LOT 13 using the water tank |
| 11:30 | 53 | 68 | 15 | SW | 3.3 | and afterwards started |
| 11:45 | 56 | 70 | 13 | SW | 4.1 | weed whacking |
| 12:00 | 58 | 67 | 9 | SW | 0.9 | same as above |
| 12:15 | 55 | 66 | 11 | WSW | 3.3 | Second worker finished |
| 12:30 | 51 | 64 | 13 | WSW | 3.1 | weed whacking around 12:15 |
| 12:45 | 54 | 68 | 14 | WSW | 0.8 | and joined first worker |
| 1:00 | 55 | 68 | 13 | SW | 2.8 | on trimming hedge |
| 1:15 | 53 | 63 | 10 | SW | 3.6 | same as above |
| 1:30 | 52 | 65 | 13 | SW | 1.1 | Crew finished LOT 13 |
| | | | | | | around 1:30 |
| | | | | | | Pumps off 1:45 |
| | | | | | | No visible dust observed |
| | | | | | | Max. diff. recd. = 18 < 50 µg/m³ |

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