Detterman, Mark, Env. Health

| From: | Detterman, Mark, Env. Health |
|--------------|---|
| Sent: | Wednesday, January 20, 2016 6:23 PM |
| То: | 'Leonard Niles'; 'Patrick Ellwood'; 'Marc Cunningham' |
| Cc: | Roe, Dilan, Env. Health |
| Subject: | FW: 500 Grand Avenue, Oakland; Meeting Followup |
| Attachments: | Example Figures and Tables From RO199.pdf |

Leonard,

I been able to refocus on the 500 Grand Ave site, and am following up on your email of January 11th to Dilan and other emails from that date as well. I am forwarding a copy of one of my previous emails in order to keep the example figures and tables together with this response.

ACEH expects to shortly have a standard letter requesting site specific variations to the attached figures and tables from project proponents and their consultants to efficiently communicate the scope of the redevelopment, including depth of excavations, and remaining proposed residual contamination after excavation. There may be none, but these tables and figures very quickly and efficiently indicate this. These are requested to include:

- Plan view of historic borings, current bores, and any proposed bores and infrastructure related to contamination, or areas of groundwater contamination of concern, etc.
- Plan view of proposed redevelopment related to historic, current, and proposed bore locations. This may require several figures at complex data sites; fewer is better, but at the risk of too complex a figure that decreases the communication effort.
- Multiple cross sections across a site that depict proposed excavation base elevation, foundation
 elevation depth, proposed cut / fill lines, old soil bore locations along that cross section, and depthcorrect residual analytical proposed to remain below the foundation. Below the future proposed
 foundation elevation, lithology can be depicted if it plays an important role; however, one intent is to
 depict the location of residual contamination relative to the proposed building foundation and the
 proposed lowest level (or higher if appropriate), proposed uses (commercial / residential / day care /
 senior care / etc.). Groundwater depth and analytical should also be depicted as well. Lithology or
 data above the proposed excavation depth can be removed if it decreases the clutter of the figure; it'
 won't be of consequence to the future development, but the analytical data will remain in the tables.
- An appropriate number of detailed cross section through areas of interest, such as former sources (waste oil UST, residual contamination along Grand Ave, unexplored areas of potential contamination [under or beyond the Grand Ave sidewalk, near or past the eastern retaining wall], elevator sumps or stairways [potential for VI], or other areas identified as potential areas of concern needing clearer illumination). The intent is to quickly illustrate residual contamination, or the lack of data, and once investigated and determined why it is protective of future occupants. These detailed cross sections may support the use of flow through planters on the western edge of the project, or may not, and as we discussed in the meeting these may be removed if appropriate. These cross sections must include, if known currently, offsite improvements, such as permeable pavers over residual contamination, infrastructure improvements such as utilities through residual contamination (such as a storm drain drop box, etc.), or other items that can / will affect users, construction workers, or the public.
- A table by parcel (I recall potentially two parcels at this site, although that was confused as I recall statements of one) with historic infrastructure, proposed uses (comm. / res), historic / current borings, proposed bores, rational for future bores in the area, etc.
- Phase 1 for all parcels (I don't think one has been submitted for the uphill "parcel", unless it was included in the one submitted).
- A table with all historic and current analytical data, with removed soil (historic and future) indicated by shading or strike out (but still legible). If you want to distinguish between historic removed and proposed, you might use different shadings. Many of the example tables (pg 8 and beyond of the attached scan) tabulates data by "soil to be removed / soil proposed to remain".

- All ND tabulated analytical listed by individual chemical detection limit (<x), and highlighting / bolding of detects, or of concentrations over ESLs (or other goals). Can partly be combined with a professional signed statement that AllWest has reviewed all analytical data and has found it is below ESLs or other goals for the site.
- Project schedule where is project in entitlement project planning, CEQA, building and planning department approvals, when construction is hoped to realistically begin, a realistic time frame for regulatory review (60 days; we'll try for better if we can), when and what project proponents will need something in writing from ACEH for financing, and recognition that if mitigation measures are involved closure cannot be provided until a final confirmation sampling report is submitted and reviewed (60 days). The submittal of a Gantt chart is appropriate so that we can all set realistic time frames, and incorporate changes as events happen.
- An understanding that the Porter-Cologne Water Quality Act requires that any regulatory agency in California use a deed restriction / land use covenant (LUC) if contamination above goals (ESLs or other) is proposed to remain at a site. LUCs take time to word, sign, and record at the County. Potential planning to remove any such contamination prior to site development, or provided that the <u>extent is well characterized</u>, potentially with the use of a Site Management Plan (SMP) to manage the removal of the contamination at the time of redevelopment, may be appropriate. Please be aware that a large removal is essentially a Corrective Action, and a 30 day public notification may be required per state requirements (affecting the Gantt chart inputs). Minor cleanup of inappropriate contamination is not a CA.
- Appropriate use of ESLs relative to the future proposed foundation depth (groundwater or a vapor sample at a site may have been 10 feet bgs, may now be 2 ft below the foundation, and would not meet the 10 foot separation distance groundwater ESLs assume or 5 ft separation that VI ESLs assume).
- If mitigation measures are required, then the site will need a RAP and / or a HHRA to evaluate risk with and without mitigation measures (assuming no removal of residual contamination below the future foundation). The RAP must be approved by ACEH and then incorporated into the building plans, which requires coordination with ACEH, building department, and the consultant throughout the final plan approval to ensure changes made during building department or planning review do not conflict with ACEH approved plans. This is a perennial issue ACEH has. All plan changes will also require a professional signed statement from AllWest that the changes do not affect the proposed mitigation measures.
- Generation of a SMP to deal with known or unexpected contamination found during redevelopment (potential for USTs may suggest a contact for the ACEH CUPA program; Oakland CUPA does not exist anymore, etc.).

You should review the attached tables and figures for additional ways to effectively communicate with ACEH, project proponents, and eventually the public, potentially at a CAP notification (if needed) and at closure. This effort is to build the case that residual contamination is appropriate to leave (if any), is protective of future occupants, and the general public.

As we discussed in the meeting AllWest will assemble these or other figures / tables, etc. that illustrate / communicate data at the site, with a data gap work plan. As discussed in the meeting, there were a significant number of issues ACEH had with data generated at the site. Briefly, these include insufficient data to the east to characterize the extent or affect of contamination (soil, groundwater, and soil vapor) relative to the proposed redevelopment, or on construction / utility workers, insufficient data to the south of the site including beneath the sidewalk and beyond it to characterize the affect of contamination (soil, groundwater, soil vapor) relative to the proposed redevelopment or on construction / utility workers, the lack of non-compromised (tracer leak) soil vapor or other vapor data, or use of alternative approaches to investigate those concerns (current groundwater analytical [i.e. rebound] or other), useful soil data at the location of the former waste oil UST, sufficient HVOC analysis in soil and groundwater, and others. I know your notes are fairly comprehensive and are sufficient to provide appropriate next steps at the site; however, I can provide additional specific detail if requested.

Once you have a chance to digest this let me know and we can identify a submittal date in order to keep the project moving to the best of our abilities.

Let me know if you have questions; hopefully this helps.

Mark Detterman Senior Hazardous Materials Specialist, PG, CEG Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502 Direct: 510.567.6876 Fax: 510.337.9335 Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: Detterman, Mark, Env. Health Sent: Friday, January 08, 2016 5:51 PM To: 'Patrick Ellwood' Cc: Marc Cunningham; Leonard Niles Subject: RE: 500 Grand

Patrick,

I had thought Dilan would get back to me; but I was clearly mistaken! I sought out the data and have scanned it. Sorry for the delay.

I've highlighted several areas, but guaranteed not all important areas that need to be included. These are from a pretty large scale project with a great deal of excavation so there may be elements that are not needed for the site, but I'd evaluate that closely. Key elements include sample depth below proposed grade, future grade elevation, segregating soil analytical to be removed from soil analytical to remain, alternatively shading or line out of analytical data to be removed (still including the data in the tables), highlighting residual that does not meet defined goals for the site, cross sections indicate residual contamination to remain, depth below proposed foundation elevation, water levels, and probably something else.

Hope this helps; let me know if you have questions.

Mark Detterman Senior Hazardous Materials Specialist, PG, CEG Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502 Direct: 510.567.6876 Fax: 510.337.9335 Email: <u>mark.detterman@acgov.org</u>

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: Patrick Ellwood [mailto:patrick@ellwoodcommercial.com]
Sent: Friday, January 08, 2016 11:28 AM
To: Detterman, Mark, Env. Health
Cc: Marc Cunningham; Leonard Niles
Subject: 500 Grand

Mark: Just checking in with you to see if you have had a chance to send us the copy of the drawing/report from another job that Dillon referenced that we could use as a model for our project.

Thanks!

Patrick Ellwood Ellwood Commercial Real Estate 510-238-9111 tel 510-238-9131 fax patrick@ellwoodcommercial.com

DRE License #00471233





Table 1 Summary of Soil Sampling and Analysis May 2015 3093 Broadway Oakland, California

| | | | | | | | Analytes | | | | | | |
|-----------|---------------------------------|-----------------|----------------------------------|---------------------------|---------------------|---|---------------------------------------|---------------------------------------|-------|----------|------------------------|---------------|----------|
| Sample ID | Sampling Location. | Sample Depth | Ground Elevation ¹ | Future Grade Elevation | Sample Elsystion | TPH- gazoline, dicsel, motor ell | BTEX | PAHs (histuding, raphthatone) | VOC3 | SVOCs | PCBs and Pesticides | CAM-17 metals | рН |
| | | feet bgs | feet a-msl | feet a-mal | feet a-msl | mg/kg | ma/ka | ma/ka | ma/ka | maika | mo/ko | mailea | |
| B-1 | Service Bay | 2.5 | 64.02 | 52 | 81.52 | X | | X | V | ingrag | ingrog | ing/kg | |
| | | 7.5 | 64.02 | 52 | 58.52 | X | | X | | + | <u>×</u> | <u> </u> | <u> </u> |
| | | 12.5 | 64.02 | 52 | 51.52 | X | X | $\frac{1}{x}$ | | R | <u>A</u> | · ^ · | X |
| | | 17.5 | 64.02 | 52 | 46.52 | X | X | T X | | | | <u> </u> | |
| B-2 | ServiceBay | 2.5 | 51,96 | 52 | 59,36 | | | | | | <u> </u> | | |
| | | 75 | 61.96 | 52 | 54.38 | | | | | | | | |
| | | 12.5 | 61.86 | 52 | 49.36 | X | X | X | | | | | |
| | | 17.5 | <u>61.86</u> | 52 | 44.36 | X | X | X | | | <u> </u> | | |
| 6-3 | Service Bay | 2.5 | 61.86 | 52 | 59.36 | | | | | | | | |
| | 1 1 | 7.5 | 61.00 | 52 | 54,36 | | | | | | | | |
| | | 12.5 | 61.86 | 52 | 49.35 | X | <u> </u> | X | | | | | |
| | Constant Days | 17.5 | 61.86 | 52 | 44,36 | X | X | X | | | | | |
| 6-4 | 243LALESE (7.8Å | 2.9 | 61.78 | 52 | 59.28 | | | | | | | | |
| | 1 | 125 | 81.78 | 52 | 54.28 | | | | | | | | |
| | | 12.0 | 91.76 | 52 | 49.29 | <u> </u> | <u>X</u> | X | | | | | |
| R.5 | Convice Day | 25 | 01.70 | 94 | 44.28 | <u>X</u> | X | <u> </u> | | | | | |
| 0.0 | 2 01 X1 C/2 C24 X | 75 | <u>61.77</u> | 52 | 59.27 | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| 1 | | 125 | 91.77 | 52 | 40.27 | | | | | | | | |
| | | 175 | 81.77 | 52 | 43.27 | <u>_</u> | <u> </u> | <u> </u> | | L | | | |
| B-6 | Service Bay | 2.5 | 61.82 | 52 | 50.32 | A | <u> </u> | <u> </u> | | | | | |
| | | 7.5 | 61.82 | 52 | 54 32 | — — | | | | | | | |
| | 1 1 | 12.5 | 61.82 | 52 | 49.32 | Y | × | V | | <u> </u> | | | |
| | | 17.5 | 61.82 | 52 | 44.32 | X | | ÷ | | <u> </u> | · | | |
| B-7 | Service Bay | 2.5 | 61.81 | 52 | 59.31 | <u> </u> | - | <u>^</u> | | | | | |
| | (| 7.5 | 61.81 | 52 | 54.31 | | · · · · · · · · · · · · · · · · · · · | | | | <u> </u> | | |
| | (| 125 | 61.81 | 52 | 49.31 | X | X | X | | - | | <u> </u> | |
| | | 17.5 | 61,81 | 52 | 44.31 | X | X | X - | | | <u> </u> | | |
| 6-8 | Service Bay | 2.5 | 61,77 | 52 | 59.27 | | | <u> </u> | | | <u> </u> | | |
| | | 7.5 | 81.77 | 52 | 54.27 | | | | | | | | |
| | | 12.5 | 61.77 | 52 | 49.27 | X | X | X | | | <u> </u> | | |
| | | 17.5 | 61.77 | 52 | 44.27 | X | Х | X | | · | t | | |
| 8-9 | Service Bay | 2.5 | 61.66 | 52 | <u>59.16</u> | | | | | | | | |
| | | 7.5 | 61.66 | 52 | 54.18 | | | | | | | | |
| | | 125 | 61.86 | 52 | 49.16 | X | X | X | | | | | |
| R-10 | Conview Day 1 | 17.5 | 61.66 | 52 | 44.16 | X | <u>X</u> | X | | | | | |
| Deto | Service Bay | 2.3 | 61.72 | 52 | 59.22 | X | | X 1 | X | X | X | X | x |
| | I - | 175 | 61.7Z | 52 | 54.22 | X | | X | X | X | X | X | <u>x</u> |
| | 1 F | 12.3 | 01.74 | 52 | 49.22 | <u> </u> | X | <u> </u> | | | | | |
| B.11 | Service Rev | 26 | 01.72 | 52 | 44.22 | X | X | <u>×</u> | | | | | |
| March | O O MOO MAY | 75 | 61 74 | <u>34</u> 83 | 54.24 | | | | | | | | |
| | | 125 | 61 74 | 52 | 34.24 | | | | | | | | |
| | | 175 | 61.74 | 52 | 43.29 | <u>×</u> | X | X | | | | | |
| 8-12 | Service Bay | 2.5 | | 82 | 60.32 | <u> </u> | X | <u> </u> | | | | | |
| | | 7.5 | 61.73 | 52 | 54.23 | | | ├───┤ | | | | | |
| | | 12.5 | 61.73 | 52 | 49.23 | x | Y | | | | | | |
| | L F | 17.5 | 61.73 | 52 | 44.23 | | <u> </u> | | | | | | |
| | | | # 117.90 | <u> </u> | | | | . X | | | 1 | | |

Langan Project: 731637001 July 2015

Table 1 Summary of Soil Sampling and Analysis May 2015 3093 Broadway Qakland, Cakfornia

| | | | | | | Anatytes | | | | | | | |
|-----------|-------------------|-----------------|----------------------------------|---------------------------|-----------------------|--|------------|---------------------------------------|----------|------------|------------------------|---------------|----------|
| Sample ID | Sampling Location | Sample Depth | Ground Elevation ¹ | Future Grade Elevation | e Sample Elevation | TPH- gazdine, diesel, meter eil | BTEX | PAHs (histiniing, isiphtbaloue) | VOG3 | SVOCs | PCBs and Pesticides | CAM-17 metals | pH |
| | | feet bgs | fect a-msl | foet a-msl | feet a-msl | mg/kg | mg/kg | mg/kg | ma/ka | ma/ka | ma/ka | ma/ka | 1 |
| B-13 | Service Bay | 2.5 | 61.76 | 52 | 59.26 | | | | | | | 1139-59 | |
| | | 7.5 | 61.79 | 52 | 54.28 | | | | | | | <u> </u> | |
| | | 12.5 | 61.76 | 52 | 49.26 | X | × | X | | | t | <u> </u> | |
| | 0.1.0 | 17.5 | 61.76 | 52 | 44.26 | X | × | X | | | | <u> </u> | |
| B-14 | Service Bay | 2.5 | 61.77 | 52 | 59.27 | | | | | | | | |
| | | 1.0 | 51.77 | 52 | 54.27 | | | | | | | | |
| | F | 175 | 01.77 | 52 | 49.27 | <u>×</u> . | X | X | | | | | |
| 6.15 | Service Roy | 2.5 | 81.61 | 52 | 44.27 | × | X | X | | | | | |
| | a di suco rask | 7.5 | 61.51 | 62 | 59.01 | · | l | | | | | | |
| | | 125 | 81.51 | 52 | 40.01 | | | | | | | | |
| | | 17.5 | 61.51 | 52 | 43.01 | | — ÷— | X | | | | | |
| B-16 | Service Bay | 2.5 | 61.75 | 52 | 59.26 | <u> </u> | <u> </u> | <u> </u> | | | | | |
| | | 7.5 | 61.76 | 52 | 54.26 | | | | | | <u> </u> | | |
| | | 12.5 | 61.76 | 52 | 49.26 | x | × | X | | | · | | |
| | | 17.5 | 61.76 | 52 | 44.28 | X | X | x | | | <u> </u> | | |
| 招-17 | Service Bay | 2.5 | 61.73 | 52 | 59.23 | | | - ° - | | <u> </u> | <u> </u> | | |
| | | 7.5 | 61.73 | 52 | 54.23 | | | | | | | <u> </u> | |
| | | 12.5 | 61.73 | 52 | 49.23 | X | X | X | | | <u> </u> | | |
| | | 18 | 61.73 | 52 | 43.73 | X | X | X | | <u> </u> | <u> </u> | | |
| 8-18 | Service Bay | 2.5 | 61.77 | 52 | 59.27 | | | | | | | | |
| | | 7.5 | 61.77 | 52 | 54.27 | | | | | | | | |
| | I } | 12.5 | 61.77 | 52 | 49.27 | X | <u> </u> | X | | | | | |
| R_10 | Condian Rise | 215 | 01.77 | 52 | 44.2/ | X | X | <u>X</u> | | | | | |
| 12-13 | Dervices may | 7.5 | 61.77 | 52 | 59.27 | | | | | | | | |
| | 1 F | 125 | 61.77 | 52 | 40.27 | N. | | | | | | | |
| | I F | 17.5 | - 51.77 | 52 | 43.27 | - A | | | | | | | |
| B-20 | Service Bay | 2.5 | 61.73 | 52 | 59.23 | Ŷ | ÷ | - ÷ | | | | | |
| | | 7.5 | 61.73 | 52 | 54.23 | Ŷ | | | <u>×</u> | + <u> </u> | <u>×</u> | <u> </u> | X |
| | 1 [| 12.5 | 61.73 | 52 | 49.23 | X | X | X . | | <u>^</u> | <u> </u> | <u>×</u> | X |
| | | 17.5 | 61.73 | 52 | 44.23 | X | - <u>x</u> | <u>x</u> | | | <u> </u> | | |
| B-21 | Service Bay | 2.5 | 61.76 | 52 | 59.26 | | | | | | | <u> </u> | |
| | 1 L | 7.5 | 61.76 | 52 | 54.26 | | _ | · · · · · · · · · · · · · · · · · · · | | | | <u> </u> | · · |
| | 1 - | 12.75 | 61.76 | 52 | 49.01 | X | X | X | | | | | |
| 2.00 | | 17.75 | 61.76 | 52 | 44.01 | X | X | X | | | | | <u> </u> |
| B-22 | Service Bay | 2.5 | 61.76 | 52 | 59.26 | | | | | | | | |
| | - | 1.5 | 61.76 | 52 | 54.26 | | | | | | | | |
| | | 123 | 51.73 | 52 | 49.25 | X | <u>X</u> | X | | | | | |
| B-23 | Searchan Ray | 2.5 | 01.70 | 52 | 44.25 | X | X | X | | | | | |
| 0-20 | Staxing Day | 7.5 | 61 75 | 52 | 39.23 | | | | | | | | |
| | ⊦ | 125 | 6175 | 62 | 04.20 | Nº | | <u> </u> | | | | | |
| | | 17.5 | 61.75 | <u> マイ</u> ちク | 48.23 | A | X | <u>×</u> | | | | | |
| B-24 | Service Bay | 2.5 | 61.75 | 52 | 60.25 | <u> </u> | | X | | | | | |
| 652 | 191199110 | 7.5 | 61.75 | 52 | 54.25 | | | ┟────┤ | | <u> </u> | | | |
| | | 12.5 | 61.75 | 52 | 49.25 | X | X | × | | <u> </u> | <u> </u> | | |
| | | 17.5 | 61.75 | 52 | 44.25 | X | X | X | | <u> </u> | | | |

Langan Project: 731637001 July 2015

Table 1 Summary of Soil Sampling and Analysis May 2015 3093 Broadway Oakland, California

| | | | | | Analytes | | | | | | | | |
|-----------|---------------------------------------|-----------------|----------------------------------|---------------------------|---------------------|---|---|---|-------|----------|------------------------|---------------|---------------------------------------|
| Sample ID | Sampling Location | Sample Depti | Ground Elevation ¹ | Future Grade Elevation | Sample Elevation | TPH- gasulinu, diesel, motor oil | BIEX | PAHs (Including, naphthstene) | VOCs | SVOCs | PCBs and Pesticides | CAM-17 metals | pH |
| | | feet bgs | fect a-msl | feet a-msl | feet a-msl | mg/kg | mg/kg | mg/kg | ma/ka | ma/ka | majim | malka | |
| 8.25 | Service Bay | 2.5 | 61.78 | 52 | 59.28 | | | | | | | myray | |
| 2007 | | 7.5 | 61.70 | 52 | 54.28 | | | | | | | | |
| | | 12.5 | 61.78 | 52 | 49.28 | X | X X | X | | | <u> </u> | <u> </u> | |
| | | 17.5 | 61,78 | 52 | 44.28 | X | X | X | | <u> </u> | | | |
| B-29 | Service Bay | 2.5 | 61.72 | 52 | 59.22 | | | | | | | 1 | |
| | | 7.5 | 61.72 | 52 | 54,22 | | | | | | | | |
| | | 12.5 | 61.72 | 52 | 49.22 | X | X | X | | | | | |
| | | 17.5 | 61.72 | 52 | 44.22 | Х | × | X | | | | | |
| 8-27 | Service Bay | 2.5 | 61.69 | 52 | 59,19 | | | | | | | | |
| | | 7.5 | 61,69 | 52 | 54.19 | | | | | | | | |
| | | 12.5 | 61.69 | 52 | 49.19 | <u> </u> | <u>X</u> | X | | | | | |
| 13.949 | 0 | 17.5 | 51.69 | 52 | 44.19 | <u> </u> | X | X | | | | | |
| 19-2.5 | 2 BLAICE REA | 2.3 | 61.77 | 52 | 59.27 | | | | _ | | | | |
| 1 | | 1.3 | 61.77 | 52 | 54.27 | | | | | | | | |
| 1 | | 175 | 01.77 | 52 | 49.27 | <u> </u> | X | <u> </u> | | | | | |
| B.29 | Service Ray | 25 | 61.77 | 52 | 44.27 | <u> </u> | X | X | | | | | |
| 6-2.5 | 0814169.044 | 7.5 | 61.77 | 62 | 54.27 | ļ | | | | | | | |
| | | 135 | 91.77 | 52 | 34.27 | ~ | | | | | | | |
| | | 175 | 61 77 | 52 | 49.27 | | X | <u> </u> | | | | | |
| | | 28 | 61 77 | 52 | 22 77 | - ÷ | <u>A</u> | <u> </u> | | | | | |
| B-30 | Service Bay | 2.5 | 61.74 | 52 | 59.24 | | ÷ | | | | | | |
| | | 7.5 | 61.74 | 52 | 54 24 | X | t | ÷ | | <u> </u> | <u>X</u> | X | <u> </u> |
| | | 12.5 | 61.74 | 52 | 49.24 | X | | ÷ ÷ | A | A | <u> </u> | - X | <u>×</u> |
| | | 17.5 | 61.74 | 52 | 44.24 | X | - î | \$ | | | | | · · · · · |
| | | 27 | 61.74 | 52 | 34.74 | x | x | <u>^</u> | | | | | · · · · · · · · · · · · · · · · · · · |
| B-31 | Service Bay | 2.5 | 61.77 | 52 | 59.27 | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | <u> </u> | | <u> </u> | |
| | | 7.5 | 61.77 | 52 | 54.27 | | | | | | | | |
| | | 12.75 | 61.77 | 52 | 49.02 | X | X | X | | | | | |
| | | 17.75 | 61.77 | 52 | 44.02 | X | X | X | | <u> </u> | | | |
| B-32 | Service Bay | 2.5 | 61.8 | 52 | 59.3 | | | | | | | | |
| | | 7.5 | 61.8 | 52 | 54.3 | | | | | <u> </u> | | | |
| | | 12.5 | 61.8 | 52 | 49.3 | X | X | X | | | | | |
| | | 17.75 | 91.8 | 52 | 44.05 | X | X | X | | | | | |
| 8-33 | Service Bay | 2.5 | <u>91.78</u> | 52 | 59.28 | | | | | | | | |
| | | 7.5 | 61.78 | 52 | 54.28 | | | | | | | | |
| | | 123 | 61.78 | 52 | 49.28 | <u>X</u> | X | Х | | | | | |
| D 24 | Consister Day | 17.3 | 51.78 | 52 | 44.28 | <u>X</u> | X | X | | | | | |
| 0-34 | 2 GLAICS BRAN | 2.3 | 01.73 | 52 | 59.23 | | | | | | | | |
| | | 125 | 01.73 | 52 | 64.23 | N | | | | | | | |
| | | 123 | 01.73 | 52 | 49.23 | <u> </u> | X | X | | | | | |
| B-35 | Service Ray | 0. <u>11</u> | 6175 | 52 | 44.2.3 | X | <u> </u> | X | | | | | |
| | A A A A A A A A A A A A A A A A A A A | 75 | 41.79 | 52 | 54.25 | | | | | | | | |
| | | 13.8 | 61.25 | 52 | /19.25 | | | — — — — — — — — — — — — — — — — — — — | | | | | |
| | | 17.5 | 61.75 | 52 | 44 25 | | Ŷ | × · · · · · · · · · · · · · · · · · · · | | | | | |
| | | | | | | ~ | A | ~ | | | | | |

Langan Project: 731637001 July 2015

Table 1 Summary of Soil Sampling and Analysis May 2015 **3093 Broadway** Oskland, California

| | | | | | | Analytes | | | | | | | |
|-----------|---------------------|-----------------|----------------------------------|---------------------------|----------------------------------|---|---------------------------------------|---------------------------------------|----------------|----------------|------------------------|--|----------------------|
| Sample ID | Sampling Location | Sample Depth | Ground Elevation ¹ | Future Grade Elevation | Sample Elsvat i on | TPH- gasoliuu, diesel, motor oil | BTEX | PAHs (Including, nephtbalone) | VOCs | SVOCs | PCBs and Pesticides | CAM-17 metals | рH |
| | | feet bgs | feet a-msl | foet a-msl | feet a-msl | mg/kg | mg/kg | mg/kg | mg/kg | ma/ka | ma/ka | ma/ka | |
| B-36 | Site | 2.5 | 65.57 | 52 | 63.07 | X | | X | x | X | X | X | × – |
| | NW Quedrant | 7.5 | 65.57 | 52 | 58.07 | X | | × | X | × | | - X | |
| | | 125 | 65.57 | 52 | 53.07 | × | | X | X | Ŷ | | | |
| 1 | | 17.5 | 65.57 | 52 | 48.07 | X | | Y X | × × | <u>├</u> | - | ÷ | |
| | | 22,5 | 65.57 | 52 | 43.07 | X | · · · · · · · · · · · · · · · · · · · | X | × | × × | ├ | ÷ - | X |
| 8-37 | Site - Center | 2.5 | 63.95 | 52 | \$1.45 | X | | x | x | x | | ÷ | <u>×</u> |
| | | 7.5 | 63.95 | 52 | 56.45 | X | | X | x – | x | x | <u> </u> | - <u>x</u> |
| | | 12.5 | 63.95 | 52 | 51.45 | X | | X | X | X | x | $\frac{1}{x}$ | - x |
| | | 17.5 | 63.95 | 52 | 46.45 | X | | X | X | X | X | X | X |
| F2./362 | Site Conter North | 22.9 | 53.95 E0.09 | 52 | 41.45 | <u> </u> | | X | X | X | X | X | X |
| 0.00 | Side - Concernation | 75 | 59.08 | 52 | 51.58 | | · · · · · · · · · · · · · · · · · · · | × | <u>×</u> | <u>X</u> | X | <u>×</u> | X |
| | | 12.5 | 59.08 | 52 | 46.58 | X | | | <u> </u> | - <u>``</u> | <u> </u> | <u> </u> | <u> </u> |
| B-39 | Site - Center South | 2.5 | 57.6 | 52 | 55.10 | X | | x | | Î Î | | × | X |
| 0.27 | | 7.5 | 57.6 | 52 | 50.10 | X | | X | x | x - | x x | | |
| | | 12.5 | 57.6 | 52 | 45.10 | X | | X | X | X | X | $\hat{\mathbf{x}}$ | - ^ |
| B-40 | Showroom | 2.5 | 52.68 | 52 | 50.18 | X | | Х | X | X | X | X | - x |
| 1 | | 125 | 52.68 | 52 | 45.18 | <u> </u> | | X | X | X | X | X | X |
| B-41 | Site - NE Ouedrant | 2.5 | 54.21 | 52 | 40.18 | X | | X | <u> </u> | <u> </u> | X | X | X |
| | Site - He Gostiant | 7.5 | 54.21 | 52 | 46 71 | | | × × | <u> </u> | <u>×</u> | <u>X</u> | X | <u> </u> |
| | | 12.5 | 54.21 | 52 | 41.71 | X | · · · · · · · · · · · · · · · · · · · | x | | × | × × | × | <u> </u> |
| B-42 | Site - Center East | 2.5 | 54.45 | 52 | 51.95 | X | | x - | - x | Î | x | - | $\frac{1}{\sqrt{2}}$ |
| | | 7.5 | 54,45 | 52 | 46.95 | X | | X | X | X | x | <u> </u> | - Â |
| 0.42 | City Of Our design | 12.5 | 54.45 | 52 | 41.95 | X | | X | X | X | X | X | X |
| 0.43 | Site - Ste Quadrant | 2.5 | 53.33 | 52 | 50.83 | <u> </u> | | X | X | X | X | Х | X |
| <u> </u> | | 7.5 | 53.33 | 52 | 45.83 | X | | X | X | x | х | × | x |
| | | 2,5 | 52.51 | 52 | 50.01 | | | | | | | | |
| | | 7.5 | 52.51 | 52 | 45.01 | X² | X | | X2 | | - | | |
| | | 12.5 | 52.51 | 52 | 40.01 | X ² | X | | Xa | | | | |
| MW-18 | Showroom | 17.5 | 52.51 | 52 | 35.01 | ×2 | × | · · · · · · · · · · · · · · · · · · · | 10 | | | | |
| | | 21.5 | 52.51 | 57 | 31.01 | | × | | <u>_</u> | | | _ | |
| | | 26.5 | 52.51 | 52 | 51.01 | | <u> </u> | | <u> </u> | | | | |
| | | 20.0 | 54.51 | 54 | 23.01 | ×- | · X | | X° | · | | · | |
| | | 31.5 | 52.51 | 52 | 21,01 | <u> </u> | X | | X ^a | | | | |
| | | 2.5 | 52.36 | 52 | 49.85 | | | | | | | | |
| | | 7.5 | 52.35 | 52 | 44.85 | X ² | × | | Xa | | | | |
| | | 12.5 | 52.35 | 52 | 39.85 | X ² | X | | Xª | | | | |
| MAG 19 | Showrang | 14 | 52.35 | 52 | 38.35 | | | | | | | | |
| 10101-152 | STRONODIT | 17.5 | 52.35 | 52 | 34.85 | X ² | × | | ~ | <u> </u> | | | |
| | | 77 | 52.35 | 155 | 30.35 | ×2 | Ŷ | <u> </u> | | | | | |
| | | 276 | 82.00 | 63 | 34.65 | ∧ | | | - K' | <u> </u> | | <u> </u> | |
| | | 27.5J | 36.30 | 36 | 24.80 | X- | X | <u> </u> | X* | | | | |
| | | 32.5 | 52.35 | 52 | 19.85 | | | | | | | | |

Langan Project: 731637001 July 2015

Table 1 Summary of Soil Sampling and Analysis May 2015 3093 Broadway Oakland, California

| | | | e Ground Elevation | | | | | | | | | Anat | /tes | | | |
|-----------|-------------------|-----------------|-----------------------|---------------------------|---------------------|---|-------|-------------------------------------|-------|-------|------------------------|---------------|------|--|--|--|
| Sample ID | Sampling Location | Sample Dapth | | Future Grade Elevation | Sample Elevation | TPH- gasoline, diesel, motor oil | BITEX | PAHs (Including, nephthalana) | VQCs | SVOCs | PCBs and Pesticides | CAM-17 metals | pH | | | |
| | | feet bgs | fect a-msl | feet a-msl | fect a-msi | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | rng/kg | mg/kg | | | | |
| | | 22 | 61.78 | 52 | 39.78 | х | | | х | | | | | | | |
| | | 24 | 61.79 | 52 | 37.79 | X | | | х | | | | | | | |
| | | 29 | 61.78 | 52 | 35.78 | X | | | х | | | | | | | |
| | | 28 | 61.78 | 52 | 33.78 | X | | | X | | | | | | | |
| BB-2 | Service Bay | 30 | 61.78 | 52 | 31.78 | × | | | х | | | | | | | |
| | | 32 | 61.79 | 52 | 29.78 | × | | | х | | | | | | | |
| | | 34 | 51.78 | 52 | 27.78 | × | | | × | | | | | | | |
| | | 36 | 61.78 | 52 | 25.78 | X | | | х | | | | | | | |
| | | - 38 | 61.78 | 52 | 23.73 | X | | | X . | | | | | | | |
| | | 40 | 61.78 | 52 | 21.78 | × | | | х | | | | | | | |
| | | 3 | 61.71 | 52 | 58.71 | × | X | | Xa | | | | | | | |
| | | 72 | 61.71 | 52 | 39.71 | X | | | x | | | | | | | |
| | | 24 | 61.71 | 52 | 37,71 | × | | | х | | | | | | | |
| | | 26 | 61.71 | 52 | 35.71 | Х | | | x | | | · · · | | | | |
| | | 28 | 61.71 | 52 | 33.71 | × | | | х | | | | | | | |
| R0-6 | Service Bay | 30 | 61.71 | 52 | 31.71 | × | | | x | | | | | | | |
| | | 32 | 61.71 | 52 | 29.71 | X | | | х | | | | | | | |
| | | 34 | 31.71 | 52 | 27.71 | × | | | x | | | | | | | |
| | | 36 | 61.71 | 52 | 25.71 | X | | | x | | | | | | | |
| | | 38 | 61.71 | 52 | 23.71 | X | | | x | | | | | | | |
| | | 40 | 61.71 | 52 | 21.71 | X | | | x | | | | | | | |

Notes:

Soil samples located at elevations above 52 feet a-msl will removed during site development

Soil samples located at elevations below 42 feet a-msl will be greater than 10 feet below the future site grade

Ground surface and top of casing (TOC) elevations for boring and monitoring well locations, respectively, were collected by BKF on 28 May 2015

²Samples analyzed for TPHg and TPHd

³Samples analyzed for select VOCs including 1,2-dichloroethane (1,2-DCA), MTBE and naphthalene

a-mst - above mean sea level

bga - below ground surface

BTEX Benzeno, rolumo, ethylbenzene and sylenes using EPA Method 8260B CAM-17 - California Assessment Metals using EPA Method 3050B

MTBE = Methyl tertiary butyl ether using EPA Method 8260.

TPHg - Total Patroleum Hydrocarbons as Gasoline using EPA Method 8015M TPHd - Total Petroleum Hydrocarbons as Diesel Bange using EPA Method 8015M

TPHmo - Total Petroleum Hydrocarbons as Motor OT using EPA Method 8015M

PAHs - Polycyclic Aromatic Hydrocarbons using EPA Method 8270C SIM

PCBs -Polychilorinated hiphenyls and Pesticides using EPA Method 8091A/9092

Pesticides using EPA Method 8081A/8082

pH using method 9045D

SVOCs - Semi-Volatile Organic Compounds using EPA Method 8270C

VOCs - Volatile Organic Compounds using EPA Method 82608

Page 5 of 5

Table 2 Soli Analytical Results for TPH, BTEX, Naphthelene and MTBE 2013 Broadway Oakland, California

| Sample ID | Sample Sample TPHd TPHg TPHmo Benzene | | Ethyibenzene | Toluene | Xylenes | MTBE | Naphthalene | | | | | | |
|--------------------------|---------------------------------------|--------------------|---------------|--------------|----------------|----------|-------------|------------------|---------------|-----------|---------|--|--|
| | Date | feet a-msl | | | | | mg/kg | | | | | | |
| Soil to be Rem | CINOCE 1 | | - · · · | | | | | | | | | | |
| 3-1-2.5 | 5/12/2015 | 61.52 | 12 | 1.5 | 76 | <0.0088 | <0.0088 | <0.0088 | <0.0088 | < 0.0088 | <0.0088 | | |
| B-1-7.5 8-10-2 5 | 5/15/2015 5/18/2015 | 56.52 | <1 | <1 | <6 | <0,005 | <0.005 | < 9.005 | <0.005 | < 0.005 | <0.005 | | |
| 5-10-7.5 | 5/18/2015 | 54.22 | <1 | <1 | 20 25 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | < 0.0063 | <0.0083 | | |
| 8-20-2.5 | 5/19/2015 | 59.23 | 1.1 | <1 | 6.2 | <0.005 | <0.005 | < 9.005 | <0.005 | < 0.0086 | <0.0066 | | |
| B-20-7.5 | 5/19/2015 | 54.23 | <1 | <1 | <5 | <0.005 | <0.006 | <0.005 | <0.005 | < 0.008/6 | <0.0688 | | |
| B-30-2.5 B-30-7 5 | 5/11/2015 | 59.24 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.0091 | <0.0091 | | |
| B-36-2.5 | 5/20/2015 | 63.07 | 3.1 | <1 | 32 | < 0.0097 | < 0.0097 | < 0.006 | < 0.005 | < 0.0097 | <0.0087 | | |
| 8-36-7.5 | 5/20/2015 | 58.07 | <1 | <1 | <5 | < 0.0083 | < 0.0083 | < 0.0093 | < 0.0063 | < 0.0083 | <0.0083 | | |
| 8-36-12.5 | 5/20/2015 | 53.07 61.45 | <1 | <1 | <5 | < 0.0091 | < 0.0091 | < 0.0001 | < 0.0091 | < 0.0091 | <0.0091 | | |
| 8-37-7.5 | 6/20/2016 | 56.46 | <1 | <1 | 52 | < 0.008 | < 0.008 | < 0.009 | < 0.008 | < 0.008 | <0.008 | | |
| 3-33-2.5 | 5/20/2015 | 56.68 | 65 | <1 | 610 | < 0.0092 | < 0.0092 | < 0.0092 | < 0.0092 | < 0.0092 | <0.0092 | | |
| 8-39-3.5 | 5/20/2015 | 66.10 | 24 | <1 | 170 | < 0.0084 | < 0.0054 | < 0.0084 | < 0.0084 | < 0.0084 | <0.0084 | | |
| | 6/10/2015 | 30.7) | 58 | 700 | - | <0,25 | <9.25 | < 9.26 | <0.25 | < 0,25 | <0.25 | | |
| Solit to Remain | In Place ³ - Peo | uits for Future Sh | allow Soil (0 | to 10 feet I | selow future (| (racie) | | | | | | | |
| 8-1-12,5 | 6/15/2015 | 51.62 | <1 | <1 | <6 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-2-12.5 | 5/15/2015 | 49.36 | 36 | <1 | <0 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| B-2-17.5 | 5/15/2015 | 44.36 | 1,300 | 4,000 | 43 | 1.4 | 7.1 | 6.3 | 120 | - | 22 | | |
| 8-3-12.5 | 5/19/2015 | 49.38 | 1,000 | 8.8 | 3,200 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.1 | | |
| 5-2417.51 R.4.12 S | 6/19/2015 E/19/2015 | 40.35 | 1,200 | 27 | 2,800 | <0.005 | <0.005 | <0.005 | 0.015 | - | <0.1 | | |
| 8-4-17.5 | 5/19/2015 | 44.28 | <1 | <1 | <5 | <0.005 | 40.005 | <0.005 | <0.005 | | <0.01 | | |
| B-5-12.5 | 6/15/2015 | 49.27 | <1 | <1 | <6 | <0.005 | < 0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-5-17.5 | 5/15/2015 | 44.27 | <1 | <1 | <5 | <0.008 | <0.005 | < 0.005 | <0.005 | - | <0.01 | | |
| 8-8-17.5 | 5/15/2015 | 48.32 | <1 49 | 1 | 120 | <0.005 | <0.005 | <9.006 | <0.005 | | <0.01 | | |
| 8-7-12.5 | 5/19/2015 | 49.31 | 430 | <1 | 1,100 | <0.006 | < 0.005 | <0.005 | <0.005 | - | <0.1 | | |
| 8-7-17.5 | 5/19/2015 | 44.31 | 1,100 | 10 | 2,900 | <0.006 | <0.005 | 0.072 | 0.0087 | - | <0.1 | | |
| 5-5-12.5 B-8-17 5 | 6/19/2016 5/19/2015 | 49.27 | <1 | <1 | <5 | <0.005 | <0.005 | <0.006 | <0.005 | -11 | <0.01 | | |
| 8-9-12.5 | 5/12/2015 | 49.16 | <1 | <1 | <0 | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-9-17.5 | 6/12/2015 | 44,16 | <1 | <1 | <5 | <0.008 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-10-12.5 | 5/18/2015 | 49.22 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-10-17.5 | 5/18/2015 | 44.22 | <1 | <u>(1</u> | <5 | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-11-17.5 | 5/19/2015 | 44.24 | 51 | 26 | 86 | <0.005 | <0.005 | <0.005 | 0.005 D.22 | | <0.01 | | |
| B-12-12.5 | 6/19/2016 | 49.23 | <1 | <1 | <6 | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| B-12-17.5 | 6/19/2016 | 44.23 | <1 | <1 | <5 | 300.00 | <0.005 | < 0.005 | <0.005 | - | <0.01 | | |
| B-13-12.5 B-13-17.5 | 5/12/2015 | 49.26 | | <1 | <8 | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-14-12.5 | 5/18/2015 | 49.27 | <1 | <1 | <6 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-14-17.5 | 6/18/2015 | 44.27 | <1 | <1 | <5 | <0.005 | <0.005 | <0.006 | <0.005 | - | <0.01 | | |
| 8-15-12.5 B-16-17.5 | 5/19/2015 | 44.01 | <1 | <1 . | <6 | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-16-12.5 | 5/19/2015 | 49.25 | <1 | <1 | <5 | <0.008 | <0.005 | <0.006 | <0.005 | | 0.023 | | |
| 8-16-17.5 | 6/19/2016 | 44.28 | <1 | <1 | <6 | <0.005 | <0.005 | < 9.006 | <0.005 | - | <0.01 | | |
| 8-17-12.5 | 5/12/2015 | 49.23 | <1 | <1 | <5 | < 0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-18-12.5 | 5/18/2015 | 43.73 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-18-17.5 | 6/18/2015 | 44.27 | <1 | <1 | <5 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-19-12.5 | 6/18/2015 | 49.27 | <1 | <1 | <5 | < 0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-18-17.5 | 6/18/2015 | 44.27 | <1 | <1 | | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 5-20-12.5 | 5/19/2015 | 44.23 | <1 | <1 c1 | <0 <5 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 8-21-12.75 | 6/12/2015 | 49.01 | <1 | <1 | <6 | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| B-21-17.75 | 5/12/2015 | 44.01 | 41 | <1 | <5 | <0.006 | <0.005 | <0.006 | <0.005 | - | <0.01 | | |
| B-22-12.0 | 5/18/2016 | 48.25 | <1 | <1 e1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| B-20-12.5 | 5/18/2015 | 49.26 | | <1 | | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| B-23-17.5 | 5/18/2015 | 44,26 | <1 | <1 | <5 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 5-24-12.6 | 5/19/2015 5/10/2015 | 49.25 | <1 | <1 | <5 | <0.006 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| 5-25-12.5 | 5/12/2015 | 49.28 | | - 21 | < <u>5</u> | <0.006 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 8-25-17.5 | 6/12/2015 | 44,28 | <1 | <1 | <5 | <0.006 | <0.005 | <0.005 | <0.005 | | < 0.01 | | |
| 5-26-12.5 | 5/11/2015 | 43.22 | <1 | <1 | <5 | <0.005 | < 51,5015 | <0.005 | <0.005 | | <0.01 | | |
| 8-20-17.0 8-27-12 E | 6/11/2016 | 494.22 | <1 | <1 | | <0.005 | <0.005 | <0.006 | <0.005 | - | <0.01 | | |
| 8-27-17.5 | 5/11/2015 | 44.19 | 1 | <u>دا</u> | < <u>6</u> | <0.000 | <0.005 | <0.006 | <0.005 | | <0.01 | | |
| B-28-12.5 | 5/11/2015 | 49.37 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| B-25-17.5 | 5/11/2015 | 44.27 | <1 | <1 | <5 | <0.005 | <0.005 | < 0.005 | <0.005 | - | <0.01 | | |
| a-28-12.5 8-29-17.5 | 6/11/2015 6/11/2015 | 49.27 44.27 | <1 | <1 | | <0.005 | <0.005 | <0.005 | <0.005 | | < 0.01 | | |
| 8-30-12.5 | 5/11/2015 | 49.24 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| B-30-17.6 | 5/11/2015 | 44.24 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | - | <0.01 | | |
| B-31-12.75 | 6/12/2016 | 49.00 | <1 | <1 | <5 | <0.005 | <0.005 | < 0.005 | <0.005 | - | <0.01 | | |
| 0-31-17.75 3-332-12.6 | 6/12/2015 | 44.02 | <1 | - <1 | <6 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 3-32-17.76 | 6/12/2016 | 44.05 | -21 | <1 | <5 | <0.005 | <0.005 | <0.005 <0.005 | <0.005 | | <0.01 | | |
| 3-33-12.5 | 6/18/2015 | 49.28 | 28 | <1 | 81 | < 0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 3-33-17.5 | 6/18/2016 | 44.28 | 730 | 15 | 1,600 | <0.005 | 0.0062 | <0.005 | 0.0094 | - | <0.1 | | |
| 34176 | 5/18/2015 5/18/2015 | 49.23 | 1,400 | 43 | 3,900 | <0.005 | 0.013 | 0.019 | 0.048 | | <0.1 | | |
| 3-35-12.5 | 5/19/2015 | 49.25 | <1 | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.01 | | |
| 3-35-17.5 | 5/19/2016 | 22.25 | 2.8 | <1 | 7 | <0.005 | < 0.005 | <0.005 | <0.005 | | <0.01 | | |

Table 2 Soil Analytical Results for TPH, BTEX, Naphthalene and MTBE 3093 Broadway Oakland, Celifornia

| Sampie (D) | Sample Date | Sample Elevation | TPHd | TPHg | TPHmo | Benzene | Ethylbanzene | Toluene | Xylenes | MTBE | Naphthalene |
|------------------------|----------------|---------------------|--------------|------------|---------------|---------------|--------------|-----------|----------------|----------|-------------|
| | | feet a-ms | | | | | mg/kg | | | | |
| B-36-17.6 | 5/20/2015 | 48.03 | হা | 1 | <5 | < 0.0091 | < 0.0091 | < 0.0091 | < 9.0091 | < 0.0091 | < 0.0091 |
| 9 97 12 5 | 5/20/2015 | | <1. | <1 | <5 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0093 |
| B-37-12.0 B-37-17 5 | 6/20/2016 | 48.45 | | 12 | <0 | < 0.009 | < 0.008 | < 0.009 | < 0.009 | < 0.009 | <0.000 |
| 2.1975 | E/00/2015 | E1 E0 | 1 | | | 6.0.07 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| B 39 13 E | 5/20/2015 | 91,90 | -1 | | | < 0.32/64 | < 0.0084 | < 0.0084 | < 9.0084 | < 0.0084 | < 0.0084 |
| 0-00-12.0 | 5/20/2015 | 40.00 | <u>S.</u> | 4 | <u> </u> | < 0.0084 | < 0.0084 | < 01,0034 | < 0.0084 | < 0.0034 | < 0.0084 |
| D-38-7.5 | 5/20/2015 | 50.1 | <1 | < | <5 | < 0.9089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 |
| 5-35-12.5 | 6/20/2016 | 40.1 | < | <1 | <0 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | ≪ 0.0082 |
| 8-40-2.5 | 6/13/2015 | 50.18 | 51 | <1 | <5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 8-40-7.5 | 5/13/2015 | 45.18 | 1.4 | <1 | <5 | <0.0093 | <0.0093 | <0.0093 | <0.0093 | < 0.0093 | <0.0093 |
| 8-41-2.5 | 5/20/2015 | <u>61.71</u> | 3.1 | <1 | 84 | < 0.0086 | < 0.0085 | < 0.0085 | < 0.0085 | < 0.0085 | < 0.0085 |
| B-41-7.5 | 6/20/2016 | 46.71 | <1 | <1 | <6 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 |
| 8-42-2.5 | 5/20/2015 | 51.95 | 15; | <1 | 93 | < 9.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 |
| 8-42-7.5 | 5/20/2016 | 45.96 | <1 | · <1 | <5 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0,609 |
| 5-43-2.5 | 6/20/2016 | 50.83 | 40 | <1 | 419 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0.009 |
| 8-40-7.5 | 5/20/2015 | 45,83 | 5.2 | <1 | 31 | < 0.0085 | < 0.0035 | < 0.0085 | < 0,0065 | < 0.0085 | < 0.0095 |
| MW-18-7.5 | 6/13/2015 | 45,01 | <1 | <1 | - | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| MW-19-7.5 | 6/15/2016 | 44.86 | <1 | <1 | - | <0.006 | <0.005 | <0.005 | <0,005 | < 0.005 | <0.005 |
| Coil to Romain | in Olaca? Beau | ine for E. A. or De | | | | | | | | | |
| o no no | Erationeta | uns for Puture De | eper Solt (g | eater than | 10 1991 Dolow | future grade) | 0.005 | | | | |
| 0-28-28 | 5/11/2015 | 33.77 | <1 | <1 | <5 | <0.000 | <0.005 | <0.005 | <0.005 | - | - |
| 8-30-27 | 5/11/2015 | 34.74 | <1 | <1 | <6 | <0.006 | < 9.005 | <0.006 | <0.005 | - | - |
| 8.40.12.5 | 5/13/2015 | 40.40 | | < | <0 | < 0.0093 | < 0.0093 | < 0.0083 | < 0.0093 | < 0.0093 | < 0.0083 |
| 8-41-12.5 | 6/20/2016 | 41.71 | <1 | <1 | | < 0.0089 | < 0.0099 | < 0.00989 | < 0.0080 | < 0.0288 | < 0.0099 |
| 8-42-12.5 | 5/20/2016 | 41.96 | <1 | <1 | <6 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0.009 | < 0.009 |
| MW-18-12.5 | 5/13/2015 | 40.01 | <1 | <1 | - | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| MW-18-17.6 | 5/13/2015 | 35.01 | 2 | 13 | | 0,16 | 0.11 | <0.010 | 0,17 | <0.010 | 0.16 |
| MIV-18-21.5 | 5/13/2015 | 31.01 | 37 | 620 | ~ | <0,6 | 2 | <0.5 | 1.9 | < 0.5 | 1,9 |
| MW-18-31.5 | 5/13/2015 | 21.01 | <1 | <1 | - | <0,006 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.006 |
| MW-19-12.5 | 6/13/2015 | 39,85 | <1 | <1 | - | <0.005 | <0.005 | <0.006 | <0.005 | < 0.005 | <0.005 |
| MW-18-17.5 | 6/13/2015 | 34.35 | <1 | <1 | - | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| MW-19-22 | 6/13/2015 | 30.36 | <1 | <1 | - | <0.005 | <0.005 | <0.006 | <0.005 | < 0.005 | < 0.005 |
| MW-19-27.6 | 6/13/2015 | 24.85 | <1 | <1 | _ | <0,006 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| NB-2-32 83.5.54 | 6/15/2015 | 39.78 | 7,600 | 10,000 | 130 | <29 | 100 | 250 | 940 | < 20 | 515 |
| BB-2-28 | 5/15/2016 | 37.70 | 2,500 | 13,000 | 240 | 120 | 150 | 640 | 850 | < 50 | 57 |
| RB-2-28 | 5/15/2015 | 33.78 | 630 | 5 100 | <50 | 11 | 70 | 150 | 400 | < 100 | <100 24 |
| RB-2-30 | 5/15/201E | 31.78 | 160 | 3,100 | <60 | <10 | 28 | 74 | 160 | < 10 | 11 |
| RB-2-32 | 6/15/2015 | 29.78 | 3.2 | 11 | <5 | 0.24 | 0.051 | D.08 | 0.37 | < 0.025 | 0.085 |
| 98-2-34 | 6/15/2016 | 27.78 | 15 | 29 | <5 | 0.1 | <0.1 | <0,1 | 0.48 | < 0.1 | 9.26 |
| R 2 20 | 5/15/2015 | 25.75 | 52 | 950 | <50 | <2 | 2.1 | <2 | 14 | < 2 | <2 |
| 18-2-40 | 6/15/2015 | 23.70 | 2 | 77 | < <u>-</u> | 0.43 | 0.18 | 0.086 | 0.74 | < 0.025 | 0.078 |
| RB-6-22 | 6/15/2015 | 39(71 | <1 | <1 | < | <0.005 | <0.005 | <0.005 | 0,29 ⊲0.005 | < 0.005 | <0.05 |
| R8-8-24 | 6/15/2015 | 37.71 | <1 | <1 | <6 | <0.005 | <0.005 | <0.006 | <0.005 | < 0.005 | <0.005 |
| RB-6-26 | 6/16/2015 | 36.71 | 500 | 2,100 | <60 | <5 | <5 | <6 | 50 | < 5 | 25 |
| 88-6-28 | 6/15/2015 | 33(71 | 1,200 | 7.200 | <26 | 14 | 17 | 210 | 390 | < 10 | 40 |
| RE-0-38 | 5/15/2015 | 31.71 | 450 | 1,500 | <50 | <5 | 13 | <6 | 43 | < 5 | 8.7 |
| RB-8-34 | 6/15/2015 | 27.71 | <1 | 1 | <5 | <0.0055 | <0.009 | <0.005 | <0.005 | < 0.005 | <0.005 |
| 18-6-36 | 6/15/2015 | 26.71 | cl | <1 | <5 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | |
| RB-6-38 | 6/15/2016 | 231.7 1 | <1 | <1 | <6 | <0.006 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| 3B-6-40 | 5/15/2015 | 21.71 | <1 | <1 | <5 | <0.006 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 |
| lesidential LTC | (P | | - | - | - | 1.9 | - 1 | 21 | | - | 9.7 |
| nesidential ESL | - | | 100 | 100 | 100 | 0.044 | 3.3 | 2.9 | 2.3 | 0.023 | 1.2 |
| Construction W | Inder ESI | | 900 | 2 700 | 2000 | 0.044 | 3.3 | 2.5 | 2.3 | 0.023 | 1.2 |
| | | | 200 | 4,700 | 20,000 | / L | 4.3450 | 4800 | 2.000 | 3.15160 | 3./0 |

Notos:

Soil samples located above the future site grade elevation of 52 feet a-msl.

²Shellow (upper 10 feet bgs) and deep (greater than 10 feet bgs) soil samples located below the proposed future site grade elevation of 62 feet a-msl

Results for soil to be removed and shallow soil (0 to 10 feet below future grade) to remain in place were screened against E&Ls; boilded values exceed Residential E&Ls; Results for soil to be removed and shallow soil (0 to 10 feet below future grade) to remain in place were screened against Residential LTCP criteria, shaded values exceed the Residential LTCP criteria.

a-msi - above mean sea level

bos - below ground surface

BTEX - Benzena, toluene, ethylbenzene and xylenes using EPA Method 82608 ESLs - Environmental Screening Levels

LTCP = Low Threat Underground Storage Tank Case Closure Policy, State Water Resources Control Board, May 2012

mg/kg - milligrams per kilogram

MTEE = Methyl tertiery butyl ether by EPA Method 8260. TPHg - Total Petroleum Hydrocerbons as Gasoline using EPA Method 8015M TPHG - Total Petroleum Hydrocerbons as Diecel Range using EPA Method 8015M

TPHmo - Total Petroleum Hydrocarbons as Motor Oil using EPA Method 8015M

< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)

--not analyzed, not applicable or criteria not established

Residential LTCP = Table 1 - Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health, State Water Resources Control Board, May 2012; the 0 to 5 feet bgs depth interval protects potential receptors from Ingestion, dermel contact and inhelation of potentiality conterminated soil. Residential ESL = Table A-1 - Environmental Screening Levels for Shallow Soil (<3 meters), Residential Land Use, where groundwater is a current or potential drinking water resource, as established by the San Francisco Regional Water Quality Control Board, December 2013.

Commercial ESL = Table A-2 - Environmental Screening Levels for Shallow Soil (<3 meters), Commercial Land Use, where groundwater is a current or potential drinking water resource, as established by the San Francisco Regional Water Quality Control Board, December 2013.

Construction Worker ESL = Table K-3 - Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, as established by the San Francisco Regional Water Quality Control Board, December 2013,

Table 3 Soil Analytical Results for VOCs 3093 Broadway Oakland, California

1.2.4 Trimethyl-1.2-Dichloroethane 1,3,5-Trimethyl 2-Butanone 4-Methyl-2-4-Isopropyl Isopropyln-Butyl n-Propyl t-Butyl alcohol Sample Elevation All Other Sample 1D Sample Date henzene (1,2-DCA) benzene (MEK) toluene pentanone (MIBK) benzene benzene benzene (TBA) VOCs feet a-mal mg/kg Soil to be Removed¹ 3-1-2.5 5/12/2015 61.52 <0.0098 <0.0088 <0.0088 <0.035 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.098 ND 3-1-7.5 5/15/2015 56.52 <0.005 < 0.004<0.005 <0.02 <0.005 <0.005 < 0.005<0.005 <0.005 < 0.05 ND 3-10-2.5 5/18/2015 59.22 <0.0083 <0.0083 <0.0083 < 0.033 < 0.0033 <0.0083 < 0.0083 < 0.0083 <0.0083 <0.083 ND 8-10-75 5/18/2015 54.22 < 0.0083 <0.0083 < 0.0083 < 0.033 <0.0083 <0.0083 < 0.0083 < 0.0083 <0.0083 < 0.083 ND 8-20-2.5 5/19/2015 59.23 < 0.0086 < 0.0086< 0.0086 < 0.034 < 0.0086 < 0.0086 < 0.0086 < 0.0086< 0.0086 < 0.086 ND 8-20-7.5 5/19/2015 54.23 < 0.0088 < 0.0038< 0.0088 < 0.035 < 0.00€3 < 0.0088 < 0.0088 < 0.0088 < 0.0088 < 0.088 ND 330-25 5/11/2015 59.24 <0.0091 <0.0091 <0.0091 < 0.036 < 0.0091 <0.0091 <0.0091 <0.0091 < 0.0091 < 0.091 ND 3-30-7.5 5/11/2015 54.24 <0.0087 <0.0087 <0.0087 <0.035 <0.0087 <0.0037 <0.0087 <0.0087 ~:0.0087 <0.087 ND 3-36-2.5 5/20/2015 63.07 < 0.0097 < 0.0097 < 0.0097 < 0.039 < 0.0097 < 0.0097< 0.0097 < 0.0097 < 0.0097 < 0.097 ND 8-36-7.5 5/20/2015 58.07 < 0.0083 < 0.0083 < 0.0083 < 0.033 < 0.0083 < 0.0083< 0.0083 < 0.0083< 0.0083 < 0.083 ND 8-36-12.5 5/20/2015 53.07 < 0.0091 < 0.0091< 0.0091 < 0.035 < 0.0091 < 0.0091 < 0.0091 < 0.0091< 0.0091 < 0.091 ND 8-37-2.5 5/20/2015 61.45 < 0.008 < 0.008 < 0.008 < 0.032 < 0.00B < 0.008 < 0.008 < 0.008 < 0.008 < 0.08 ND 3-37-7.5 5/20/2015 56.45 < 0.0086 < 0.0086 < 0.0086 < 0.034 < 0.0086 < 0.0086 < 0.0086 < 0.0086 < 0.0086< 0.086 ND 3-38-2.5 5/20/2015 56.58 < 0.0092< 0.0092 < 0.0092 < 0.037< 0.0092 < 0.0092 < 0.0092 < 0.0092< 0.0092 < 0.092 ND 3-39-2.5 5/20/2015 55.10 < 0.0084 < 0.0084 < 0.0084 < 0.034 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.084 ND RB-6-3 5/15/2015 58.71 <0.2 _ -----[0,1,1]<2.5 ND Soil to Remain in Place² - Results for Future Shallow Soil (0 to 10 feet below future grade) 8-36-17.5 5/20/2015 48.07 < 0.0091 < 0.0091 < 0.0091 < 0.036 < 0.0091 < 0.0091 < 0.0091 < 0.0091 < 0.0091 < 0.091 ND B-36-22.5 5/20/2015 43.07 < 0.0083 < 0.0083< 0.0083 < 0.033 < 0.0083< 0.0083 < 0.0083 < 0.0083< 0.0083 < 0.083ND B-37-12.5 5/20/2015 51.45 < 0.009 < 0.009 < 0.009 < 0.036 < 0.009< 0.009 < 0.009 < 0.009 < 0.009 < 0.09 ND 3-37-17.5 5/20/2015 46.45 < 0.01 < 0.01 < 0.01 < 0.04 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.1 ND 39-7.5 5/20/2015 51.58 < 0.0084 < 0.0084 < 0.0084 < 0.034 < 0.0084 < 0.0084 < 0.0084< 0.0084 < 0.0084 < 0.084ND 8-38-12.5 5/20/2015 46.58 < 0.0084 < 0.0084 < 0.0084 < 0.034 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.084 ND 8-39-7.5 5/20/2015 50.10 < 0.0089 < 0.0089 < 0.0089 < 0.038 < 0.0089 < 0.0089 < 0.0089< 0.0089 < 0.0089 < 0.089ND 8-39-12.5 5/20/2015 45.10 < 0.0082 < 0.0082< 0.0082 e 0 033 < 0.0082 < 0.0082< 0.0082 < 0.0082 < 0.0082 < 0.082 ND B-40-2.5 5/13/2015 50.18 < 0.0095 <0.0095 < 0.0095 <0.038 < 0.0095 < 0.0095 <0.0095 <0.0095 <0.0095 < 0.095 ND B-40-7.5 5/13/2015 45.18 < 0.0093 <0.0093 <0.0093 <0.037 <0.0093 <0.0093 <0.0093 <0.0093<0.0093 < 0.093 ND 8-41-2.5 5/20/2015 51.71 < 0.0085 < 0.0085 < 0.0085 < 0.034 < 0.0085 < 0.0095< 0.0065 < 0.0085 < 0.0085 < 0.085 ND 8-41-7.5 5/20/2015 46.71 < 0.0081 < 0.0081 < 0.0081 < 0.033 < 0.0081 < 0.0081 < 0.0081 < 0.0081 < 0.0081 < 0.081 ND B-42-2.5 5/20/2015 51.95 < 0.0084 < 0.0084 < 0.0084< 0.034 < 0.0CB4 < 0.0084< 0.0084< 0.0084 < 0.0084 < 0.084ND 6-42-7.5 5/20/2015 46.95 < 0.009 < 0.009 < 0.009 < 0.036 < 0.009 < 0.009 < 0.009 < 0.009 < 0.009 < 0.09 ND 8-43-2.5 5/20/2015 50.83 < 0.009 < 0.009 < 0.009 < 0.036 < 0.009 < 0.009 < 0.009 < 0.009 < 0.009 < 0.09 ND B-43-7.5 5/20/2015 45.83 < 0.0085 < 0.0085 < 0.0085 < 0.034 < 0.0085 < 0.0085 < 0.0085 < 0.0085< 0.0085 < 0.085ND MW-18-7.5 5/13/2015 45.01 _ <0.004 -----ND -MW-19-7.5 5/13/2015 44.85 < 0.004 _ ----------------ND

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Table 4 Soil Analytical Results for PAHs 3093 Broadway Oakland, California

Indeno Sample 1-Methyl-2-Methyl-Benzo(a) Benzo(a) Benzo(b) Benzo(g,h,i) Benzo(k) Fluor-Other Chrysene (1,2,3-c,d) Phonanthrene Sample ID Sample Date Pyrene Elevation naphthalene naphthalene anthracene fluoranthene fluoranthene pyrene perylene anthene PAHs pyrene feet a-msl mg/kg Soil to be Renewed¹ 5/12/2015 8-1-2.5 61.52 0.17 <0.05 <0.05 0.18 0.33 0.34 0.28 0.16 0.29 0.21 0.22 0.27 ND 8-1-7.5 5/15/2015 56.52 <0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 <0.01 <001 < 0.01 < 0.01 ND 8-10-2.5 5/18/2015 5922 <0.01 < 0.01 0.014 0.022 0.019 0.018 0.012 < 0.01 0.018 0.012 < 0.01 0.013 ND 3-10-7.5 5/16/2015 5422 <0.01 <0.01 < 0.01 < 0.01 <0.01 < 0.01 < 0.01 <0.01 < 0.01 < 0.01 <0.01 < 0.01 ND 8-20-2.5 5/19/2015 59.23 <0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 ND 8-20-7.5 5/19/2015 54.23 <0.01 < 0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 < 0.01 <0.0? < 0.01 < 0.01 <0.01 ND 8-30-2.5 5/11/2015 5924 <0.01 <0.01 0.012 0.012 0.014 < 0.01 < 0.01 < 0.01 0.011 < 0.01 <0.01 0.013 ND 8-30-7.5 5/11/2015 54.24 <0.01 < 0.01 < 0.01 -0.01 <0.01 <0.0i < 0.01 < 0.01 <0.01 < 0.01 <0.01 < 0.01 ND 3-36-2.5 5/20/2015 63.07 <0.05 <0.05 < 0.05 <0.05 <0.05 < 0.05 < 0.05 <0.05 <0.05 < 0.05 <0.05 < 0.05 ND 3-36-7.5 5/20/2015 58.07 <0.01 < 0.01 <0.01 < 0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 ND B-36-12.5 5/20/2015 53.07 <0.01 <0.01 < 0.01 < 0.01 <0.01 <0.0i < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 ND B-37-2.5 5/20/2015 61.45 <0.01 < 0.01 < 0.01 < 0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 NĎ 8-37-7.5 5/20/2015 56.45 <0.01 < 0.01 <0.01 <0.01 < 0.01 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 ND B-38-2.5 5/20/2015 56.58 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <02 ND 8-39-2.5 5/20/2015 55.10 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 ND Shalkw Soil to Remain in Place²-Results for Future Shallow Soil (0 to 10 feet below future grade) 8-1-12.5 5/15/2015 61.52 <0.01 <0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 < 0.01 <0.01 <0.01 < 0.01 ND 8-1-17.5 5/15/2015 46.52 <0.01 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 ND 8-2-12.5 5/15/2015 49.36 <0.01 < 0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 < 0.01 < 0.01 <0.01 < 0.01 < 0.01 ND 8-2-17.5 5/15/2015 4436 16 27 <5 <5 <5 <5 <5 <5 <5 <5 <5 NĎ <5 8-3-12.5 5/19/2015 49.36 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 ND 8-3-17.5 5/19/2015 44.36 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 ND 8-4-12.5 5/19/2015 49.28 <0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 < 0.01 < 0.01 ND 8-4-17.5 5/19/2015 4428 <0.01 < 0.01 < 0.01 < 0.01 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 ND 8-5-12.5 5/15/2015 4927 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 < 0.01 ND 8-5-175 5/15/2015 4427 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 < 0.01 <0.01 < 0.01 < 0.01 < 0.01 ND 8-6-12.5 5/15/2015 49.32 ≪0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 < 0.01 <0.01 < 0.01 ND 8-6-17.5 5/15/2015 44.32 <0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 ND 8-7-12.5 \$19/2015 49.31 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 ND 8-7-17.5 5/19/2015 44.31 ≪0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 ND 8-8-12.5 5/19/2015 49.27 <0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 ND 8-8-17.5 5/19/2015 44.27 <0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 <0.01 < 0.01 <0.01 <0.01 < 0.01 < 0.01 ND B-9-12.5 5/12/2015 49.16 <0.01 < 0.01 <0.01 <0.01 <0.01 <0.01 < 0.01 <0.01 <0.01 <0.01 < 0.01 < 0.01 ND

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|----------------------|------------------------------|----------------------------------|--------------------|---------------------|-------------------|-------------|---|------------|--------------------|-------------------|------------|-------------|-------|---------------|---------------|---------|--------------|-------------|----------|------------|--------------|--------------|-------------|
| Symphy (D | Servele Date | Georgia Benetico festereni | Autora | Armote | Between | Beryliane | Gadavitari | Geranoteon | Generation WETT | Okraniam (WET) | Cobalt | Copper | -tand | Lead (WET) | Lead (WET) | Mercery | Motylestenam | Richal | Salestan | Ster | Thattere | Vandun | Zine |
| | | 100010-0404 | | | स्य | 5°25 | | _ | R: | ₹£. | | mythy | | | e.e. | | | | | /1. | | | |
| Lais and Am | eared . | | | | | - | | | | | | | | | | | | | | | | _ | |
| 8125 | 5/12/2015 | 67.15 | 15 | 8 | 829 | 20 5 | 1.8 | 52 | 0.16 | 19 C | 75 | 37 | 179 | 4 <u>0</u> | £9 29 | 9.22 | (1.65 | 36 | 3.5 | <9.5 | d).5 | 41 | 1,898 |
| 81-7.8 | 571 5/201 5 | 109 100 | 42.5 | 44 | 130 | を思 | (1)(1) | 57 | < 005 | <0.08 | 12 | 12 | 7.1 | - | - | -0.0% | 0.5 | 429 | 40.5 | -05 | d15 | 49 | |
| 5-162.5 | 9102915 | 超波 | <0.5 | 63 | 190 | <0.5 | 49.23 | 37 | 144.2 | - 10 C | 12 | 11 | 9 | - | - | s0.0% | 19.01 | | d15 | -05 | 40.5 | 40 | 21 |
| 8-16-7.5 | \$718(26)1% | 54 Z2 | 13 | 2.4 | 1920 | 0.57 | -0.25 | 32 | | - | 5.5 | 8.8 | 45 | · · | - | <000 | ofits | -217 | .0.3 | -0.5 | | | 2) |
| 32625 | 5/19(201 8 | 79 23 | 22.5 | 52 | 140 | 0.54 | 425 | - 241 | | - 2 | 25 | 18 | 11 | | - | 0.050 | 0.9 | 55 | -16 | -0.5 | | - 49 | |
| 8297.5 | ST 820 1 | SR 23 | 4.5 | 3.8 | 93 | 435 | 42.25 | 319 | 44 | - | 7.4 | 11 | 4.8 | | - | 0005 | d19 | 683 | 413 | -115 | 4.5 | | |
| 8202.8 | 571 (29) 3 | 1412 | 0.34 | 4.2 | 39/3 | 43.5 | 5 20 | 52 | 0.13 | ×0.05 | 8.1 | 19 | 270 | 23 | 0.22 | 0:10 | 5.66 | 50 | | -05 | d15 | 297 | 21 |
| 50078 | \$112013 | 34 24 | -22.2 | 4.4 | 170 | 0.94 | 49.28 | 61 | < 0.05 | ×9.65 | 13 | 22 | 7.7 | | - | -0.05 | .09 | | 405 | -0-5 | 4.6 | 40 | 210 |
| 3 12 Z 3 | 5/20/2015 | \$1 <i>5</i> | 0.54 | 39 | 506 | 0.61 | 45 | 41 | | - | 84 | 20 | 40 | 1.4 | | 925 | c05 | 365 | | -0.5 | ×0.5 | 140 | |
| 33375 | 3/20/2015 | 193 (92 | 6 68 | 17 | 110 | 9.04 | 49.25 | 130 | 0.14 | < 0.05 | 63 | 22 | 73 | <u>a</u> | | 01 | 6 57 | <i>(1)</i> | 418 | -0.5 | 40.0 | 620 | 01 |
| 130.128 | 10000015 | 10.62 | <0.5 | 6.7 | 199 | 6.7 | 413 | 57 | < 0.05 | ×0.05 | <u>92</u> | 28 | 86 | | | 0.11 | | | 413 | -0.5 | 40.0 | 201 | |
| 3.372.5 | 1000015 | (E) /45 | 9.59 | 9.2 | - | 42.5 | 23 | 99 | 0.008 | < 0.05 | 83 | 10 | 5.5 | (a) | - | 0.094 | 0.181 | 48 | | 40.5 | 40.9 | 210 | |
| 3172 S | 1226200 | 25.00 | G 78 | 6.3 | 120 | 0.04 | 4.5 | 130 | 0.14 | <9.05 | \$2 | 24 | 21 | | - | 0.14 | 0.99 | | -05 | 20.5 | | | 22 |
| 9392.5 | 620201 5 | 301384 | 10.3 | 4.3 | 32 | 05 | 改通 | 21 | | - | 4.50 | 18 | 18 | - | - | 0.081 | -65 | 14 | 415 | | -0.5 | 31 | 110 |
| 8382.5 | 322022015 | 55 13 | <3.5 | 3,7 | 159 | 2.51 | a 25 | 29 | | - | 9.0 | 13 | 2.0 | - | - | enns. | 115 | 32 | 50.5 | | ±0.0 ≠0.5 | 44 | 205 |
| Sindow Sol to | Fortian o Picos ² | - Passalts for Fill | tas Shalitan Sed | to to 10 feat links | ov fut en auda | | | | | | | | | • | | | | 10.94 | | 92.9 | | - | 41 |
| 806 17 5 | 52052015 | 24.03 | <9.5 | \$.5 | :00 | -03 | 0.28 | 27 | - | | a | 20 | 4.4 | | | aa | 6.91 | 40.1 | | | | | |
| 030.92.5 | 1200201 b | 4140 | 13 | 5.4 | 170 | 0.71 | 43 | 50 | | - | 72 | 35 | 5 | - | | 0.00 | 0.71 | 20 | 0.5 | | <03 | 47 | 46 |
| 597125 | 302002013 | 11 <i>4</i> 5 | 40.5 | 1.7 | 120 | -0.5 | 10.25 | 52 | < 0.05 | 20.05 | 47 | 18 | 27 | | | 0.001 | | | 40.5 | -010 | 40.5 | -45 | 78 |
| 902175 | \$26/201 S | 49.45 | -43.5 | 3.4 | 160 | 6 (3) | | -59 | | | 40 | 21 | 4 3 | | | 0.01 | -0.8 | 00 | 05 | 20.5 | et.5 | 33 | 50 |
| 83875 | second o | iii (193 | 49.5 | 4.0 | 100 | -03 | -0.29 | <i>a</i> 1 | | | 11 | 12 | 4.0 | | | 0.000 | 40.5 | 00 | <9.2 | 40.5 | <95 | 281 | 100 |
| 5.09125 | 10/0/2011 | -20 33 | | 8.8 | 323 | 9.52 | 9.27 | 50 | | - | 18 | 26 | 12 | - | | 0.13 | 0.69 | 37 | 40.5 | 40.8 | 415 | 38 | 10 |
| 8397.5 | 124/2015 | 50.65 | 415 | 3,3 | 94 | கள் | -G.26 | 07 | | | 53 | 12 | 19 | | | 6069 | 0.5 | 61 | 19.5 | e0.5 | 69.9 | 80 | 20 |
| 839425 | 3202015 | 5.10 | 3 .5 | 2.4 | 150 | 0.94 | <g 25<="" td=""><td>64</td><td></td><td>-</td><td>27</td><td>18</td><td>81</td><td></td><td></td><td>c005</td><td>000</td><td>R)</td><td>40.5</td><td>40.5</td><td><u>(0.9</u></td><td>33</td><td>20</td></g> | 64 | | - | 27 | 18 | 81 | | | c005 | 000 | R) | 40.5 | 40.5 | <u>(0.9</u> | 33 | 20 |
| \$462.5 | 3/13/2015 | 18 14 | 20.5 | 23 | 190 | 0.54 | 13.25 | .35 | | - | 3.6 | 9.7 | 44 | | | (1105 | | | 0.4 | dia dia | 40,0 | 80 | 30 |
| 8-207 5 | \$13/2015 | 齿拍 | -03 | 4.9 | 139 | <0.5 | 40.75 | 4.1 | | - | 8 | 17 | 7 | 240 | | 0.05 | 11 | र। का | - 40.5 | 40.2 | 40.5 | 31 | 22 |
| 34125 | St20(2015 | \$1.21 | 48 | 5.5 | 100 | . 0.02 | -0.25 | 79 | 0.961 | 0.005 | 6.3 | 22 | 10 | - | - | 01 | 0.28 | 48 | -05 | -0.6 | 40.5 | 41 | 20 |
| 841.2.5 | 8/20/2015 | 48 /1 | d).5 | 8.6 | 170 | 0.25 | e9.25 | .47 | | - | 38 | 21 | 92 | - | | -905 | 0.70 | 59 | -05 | -0.5 | 40,000 | | - 30 |
| 8422.5 | 9/20/2015 | 型錢 | e0.9 | 4.8 | 170 | 40.5 | 49.29 | 46 | 100 | 1.100 | 18 | 14 | 21 | 240 | | 0.054 | -05 | 36 | <0.5 | - 0.5 | 415 | | 150 |
| 84275 | STATION I S | 128.285 | <3.5 | 1.6 | - 30 | 40.5 | 13 | 2.9 | | - | 3.1 | 6.5 | 2.3 | - | - | -005 | -05 | 12 | -0.5 | 44 | -0.0 | <u>e</u> j | 34 |
| 84325 | STREETS | 20.30 | 41.5 | 8.6 | 78 | -3.5 | <0.25 | 17 | | - | 7,7 | 28 | 60 | | - | 0.16 | -05 | 21 | -115 | 415 | 40.5 | 0.0 | 100 |
| 8437.8 | 1292015 | 20.81 | 4 9.5 | 8.0 | 1094 | 0.94 | 32 | 164 | 24 | (m) | 27 | 46 | 17 | 1.22 | | 6.96 | 71 | #10 | 0.01 | -0.6 | | 40 | 130 |
| Ones Seite fie | TER APTYO | in seits ter Paran | a Garaver Bool kgz | numeran 19 top | L'anite fallen ge | n e | | _ | | | | | | | | | | | | 10.0 | 142 | | 59 |
| 80742.5 | 6/20/201 5 | SI 45 | 45 | 47 | 196 | 9.62 | -0.25 | 42 | | - | 8 | 21 | 5 3 | (m) | | 0.69 | -05 | 60 | -05 | .0.6 | | and a second | |
| 840125 | ERSEINE | 40.14 | 42.5 | 3.5 | 100 | 40 5 | <0.25 | 36 | | - | 9.7 | 10 | 0 | | | 0.11 | 115 | 6 | -0.5 | -06 | 40.5 | .090 Cett | - 63 |
| 841-125 | 3602015 | \$1,31 | ≪0.8 | 9.6 | 340 | 9.81 | 15,13 | 648 | | - | 12 | 22 | 5.5 | - | | 0.01 | 16 | | -0.5 | | | 30 | - 20 |
| 8-22-12-5 | 5202015 | 41 26 | <0.5 | 5.5 | 166 | 9.99 | -19.29 | 70 | | 1.000 | 13 | 24 | 8.9 | | ~ | 0.655 | 0.83 | 90. (00) | | -01 | 0.5 | 40 | |
| ie.c | | | 500 | 900 | 10,000 | 75 | 100 | 2,500 | | - | \$1.000 | 2,900 | 1,000 | - | | 20 | 3.500 | 2000 | 100 | 500 | 700 | 20 | \$ <u>1</u> |
| STLC | | | - | | - | | - | - | 1 | 125 | - | - | - | 9 | | - | - | 10000 | | - | 700 | 2000 | 0,000 |
| Description of the s | | _ | - | 10.000 | - | - | | | 15 | 5 | | - | | _ | 5 | in . | - | - | - | - | | | |
| Connect And And Fill | | | 40 | 1.60 | /50 | <u>+</u> | 12 | 1,000 | | | 21 | 2:0 | 90 | - | - | 9.7 | 60 | 150 | 10 | 20 | 0.78 | 200 | 190 |
| Cosmicke Vi | karkeer E&L | | 139 | 10 | /11000 | 100 | 18 | 2,300 | | | | 230 | 329 | <u> </u> | | 10 | 20 | 150 | 10 | 49 | 10 | 200 | 000 |
| | | | - Callor | | | - 22 | | | | - | 142 | 1 2 2 2 2 3 | 323 | | - | 21 | 1500 | 8100 | 1.5685 | 1.500 | - 2 | 1.6.001 | 00000 |

Nates

"Sol servelike located above the future site grade obvector of 52 fear e-mail

¹Sinitow (upper 10 featings) and deep (greater days 10 featings) and sample a located below the proposed future are greate elevation of 52 feat a mail

Receipts for cost to be removed and shallow and (b to 10 feet below future grade) to remain in place were assemed equinot Ellar, halded values exceed Residential ESLs.

Results for soil to be removed were accounted egainet instandous weete criteries sheded values accound instandous weete criteries.

e-msi - elutare miese see lavel

tgs -below ground partices

ngdie - mellen speciele zonale regdie - melgierne per klogrenn regdi - melgierne per klos STLC - Californie Schubie Texashobi Lenst Concentration

762.P - Federal Torrety Cheracteristic Lessburg Procedure

TR.C - Yeak Reneshold Limit Concernations

WET- Californio wests antraction tast

- visit stabilized, no tapplicable or criteria not established

c0.9 - Analyterware not detected at or above the laboratory experting innt (0.5 mg/kg)

Construction in the interview of the

LANGAN TREADWELL ROLLO

Longen Project 731637001 My 2015







