Wickham, Jerry, Env. Health

From:	Peter Sims [psims@ninyoandmoore.com]
Sent:	Thursday, November 06, 2014 1:51 PM
То:	Wickham, Jerry, Env. Health
Subject:	RE: Ashland Housing Project
Attachments:	Building A Excavation Sampling Locations.pdf; DTSC Fill Guidelines SMP_FS_Cleanfill- Schools.pdf

Jerry,

The Ashland contractor has asked me to perform additional characterization of 2,777 cubic yards of soil to be excavated beneath Building A (highlighted on the attached figure) to a depth of 5 feet bgs. We would like to sample the soil in-situ to determine if it is suitable for reuse on site or off-site waste disposal classification. Since we did not discuss in-situ sampling for soil reuse/disposal in our IRAP, I would like to perform the sampling as described below based on the DTSC Fill Guidelines (attached).

Advance four borings (shown on the attached figure) to 5 feet bgs for the collection of soil samples at 0, 1.5, 3, and 5 feet bgs in each boring.

Samples from the same depths will be combined into four 4-point composite samples by the laboratory.

The four 4-point composite samples will be analyzed for TPHd and TPHmo by EPA 8015 and Title 22 Metals by EPA 6010/7471.

One discrete sample per boring (each collected at different depths) would be analyzed for BTEX and TPHG by EPA 8260B.

Request for approval to reuse the soil on site will include:

- 1) A map or aerial photo showing the general area where the fill came from.
- 2) The volume of the stockpiles and volume that each sample represents and which sample goes with which stockpile
- 3) The type of samples composite or discrete
- 4) The type of fill and the heterogeneity
- 5) Whether the fill contains any debris or construction material
- 6) Whether any staining or odor was observed
- 7) Confirmation of where the soil is to be reused
- 8) Laboratory analytical results

Regardless if soil is acceptable for reuse or must be disposed off site, the soil will be excavated and direct loaded on to trucks for transportation to another portion of the site for reuse or to the disposal facility.

Please let me know if the above plan is acceptable or provide comments.

Thank you,

Peter D. Sims, LEED AP Project Environmental Geologist Ninvo & Moore

Geotechnical & Environmental Sciences Consultants 1956 Webster Street, Suite 400 Oakland, California 94612 (510) 343-3000 x15216 (Office) (510) 327-9335 (Cell Phone) (510) 343-3001 (Fax) psims@ninyoandmoore.com

San Jose office 2149 O'Toole Avenue, Suite 30 San Jose, CA 95131 (408) 435-9000 (408) 435-9006 (Fax)

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-----Original Message-----**From:** Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org] Sent: Tuesday, November 04, 2014 8:25 AM To: Peter Sims Subject: RE: Ashland Housing Project

Hello Peter,

The proposed stockpile sampling and submittal of results to ACEH for review is acceptable. TPHg and VOC analyses are to be performed on discrete samples. When submitting the stockpile sampling results, please include the following:

- 1) A map or aerial photo showing the general area where the fill came from.
- 2) The volume of the stockpiles and volume that each sample represents and which sample goes with which stockpile
- 3) The type of samples composite or discrete
- 4) The type of fill and the heterogeneity
- 5) Whether the fill contains any debris or construction material
- 6) Whether any staining or odor was observed
- 7) Confirmation of where the soil is to be reused
- 8) Laboratory analytical results

Regards, Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577 phone: 510-567-6791 jerry.wickham@acgov.org

From: Peter Sims [mailto:psims@ninyoandmoore.com]Sent: Monday, November 03, 2014 2:55 PMTo: Wickham, Jerry, Env. HealthSubject: Ashland Housing Project

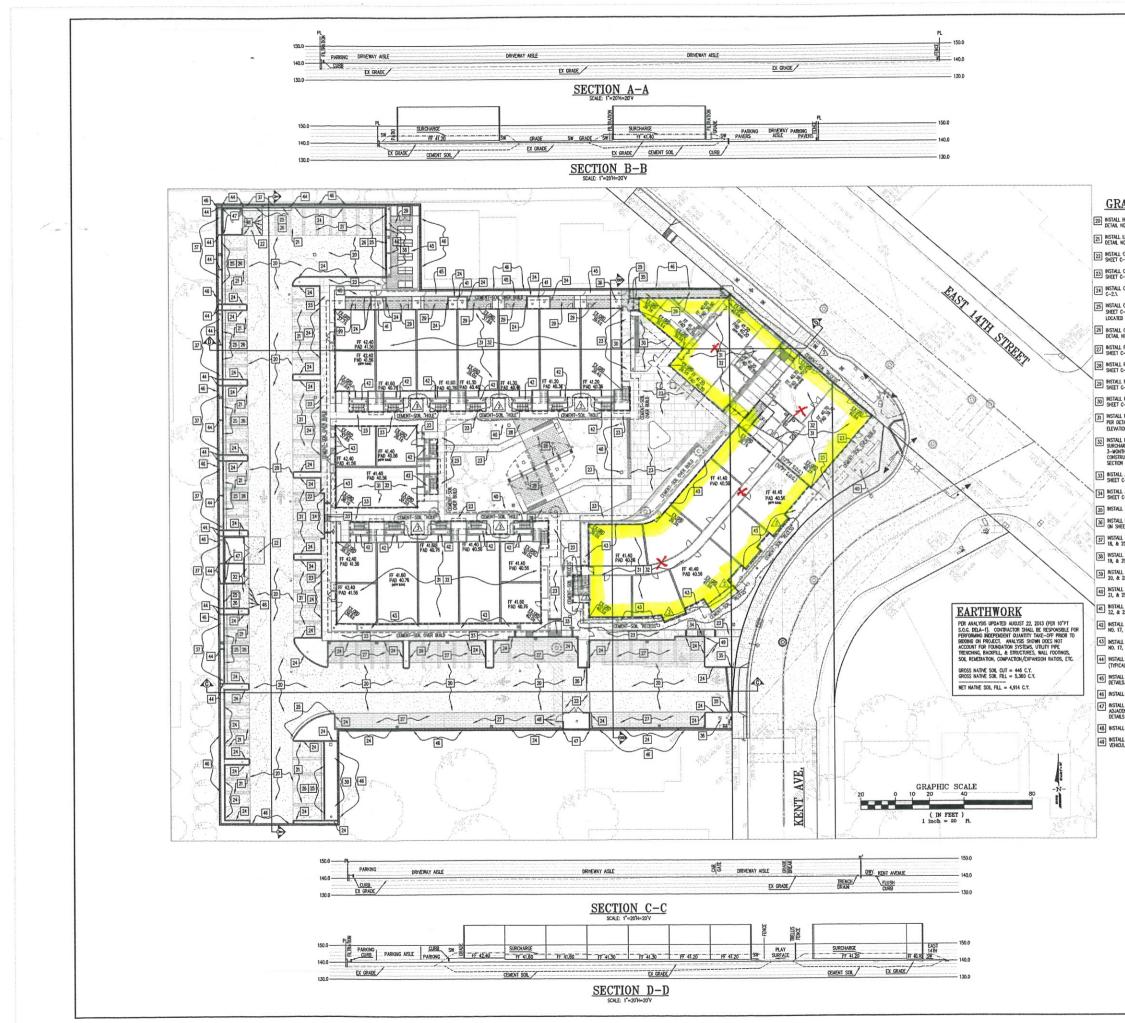
Hi Jerry,

The contractor at Ashland has more trenching in Kent Avenue to perform and is planning on reusing the soil on site if it is acceptable. We anticipate two 50-cubic yard stockpiles will be generated one after another. Soil will be stockpiled on plastic sheeting on site. The stockpiles will be sampled per Section 6.6 of the IRAP at a rate of one 4-point composite per 50 cubic yards and analyzed for TPHg, TPHd, and TPHmo by EPA Method 8015M; Title 22 Metals by EPA Method 6010B/7471; and BTEX by EPA Method 8260B. Analytical results will be screened by Ninyo & Moore and if they appear acceptable for reuse at the site per the IRAP cleanup goals, then the results will be submitted to you for your review and approval. The planned area for on-site soil reuse is beneath the building footprint. If soil is not acceptable for reuse then it will be disposed off-site. Results of the sampling, analysis, and reuse or disposal will be reported in the RACR. Please confirm or provide comments regarding the acceptability of the above. We hope to begin the stockpile sampling on this Wednesday.

Thank you,

Peter D. Sims, LEED AP Project Environmental Geologist Ninyo & Moore Geotechnical & Environmental Sciences Consultants 1956 Webster Street, Suite 400 Oakland, California 94612 (510) 343-3000 x15216 (Office) (510) 327-9335 (Cell Phone) (510) 343-3001 (Fax) psims@ninyoandmoore.com San Jose office 2149 O'Toole Avenue, Suite 30 San Jose, CA 95131 (408) 435-9000 (408) 435-9006 (Fax)

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GRADING NOTES

20 INSTALL HEAVY AC PAVEMENT SECTION AT DRIVE AISLE PER DETAIL NO. 1 ON SHEET C-2.1.

21 INSTALL LIGHT AC PAVEMENT SECTION AT PARKING STALLS PER DETAIL NO. 1 ON SHEET C-2.1.

22 INSTALL CONCRETE VEHICULAR PAVEMENT PER DETAIL NO. 2 ON SHEET C-2.1.

 INSTALL CONCRETE PEDESTRIAN SIDEWALK PER DETAIL NO. 3 ON

 INSTALL CONCRETE VERTICAL OURB PER DETAIL NO. 4 ON SHEET

 C-2.1.

23 INSTALL CONCRETE CURB & GUTTER PER DETAIL NO. 5 ON SHEET C-2.1. (SEE ADDITIONAL DETAILS WHERE GUTTER IS LOCATED ADJACENT TO BIO-RETENTION PLANTER)

26 INSTALL CURB OPENINGS (TYPICAL) AT LOCATIONS SHOWN PER DETAIL NO. 6 ON SHEET C-2.1.

27 INSTALL PERVIOUS VEHICULAR PAVERS PER DETAIL NO. 7 ON SHEET C-2.1.

28 INSTALL PERVIOUS COURTYARD PAVERS PER DETAIL NO. 8 ON SHEET C-2.1.

23 INSTALL PERVIOUS SIDEWALK PAVERS PER DETAIL NO. 9 ON SHEET C-2.1.

30 INSTALL PERVICUS PLAY-AREA PAVERS PER DETAIL NO. 10 ON SHEET C-2.1 AND PER LANDSCAPING DETAILS.

31 INSTALL REMEDIAL GRADING CEMENT-SOIL AND BUILDING PAD PER DETAIL NO. 11 ON SHEET C-2.1. SEE "GRADING PLAN: ELEVATIONS" FOR PAD AND FINISH FLOOR ELEVATIONS.

[32] INSTALL PAD SURCHARGE PER DETAIL NO. 12 ON SHEET C-2.1. SURCHARGE SHALL BE INSTALLED AND REMAIN IN PLACE FOR 3-MONTHS, PRIOR TO SUSSOUENT REDUKIVAL AND FINAL PRO CONSTRUCTION. CONTRACTOR SHALL VERST FOUNDATION SECTION PROR TO INSTALLING PAD SURCHARGE.

33 RISTALL ACCESS RAMP TYPE 1 PER DETAIL NO. 13, 15, & 16 ON SHEET C-21.

34 INSTALL ACCESS RAMP TYPE 2 PER DETAIL NO. 14, 15, & 15 ON SHEET C-2.1.

 35
 INSTALL TRANSITION CURE PER DETAIL NO. 16 ON SHEET C-2.1.

 36
 INSTALL BIO-RETENTION PLANTER (TYPICAL) PER DETAIL NO. 17 ON SHEET C-2.2.

37 INSTALL BIO-RETENTION PLANTER TYPE 1 PER DETAIL NO. 17, 18, & 25 ON SHEET C-2.2.

38 INSTALL BIO-RETENTION PLANTER TYPE 2 PER DETAIL NO. 17, 19, & 25 ON SHEET C-2.2.

3 INSTALL BIO-RETENTION PLANTER TYPE 3 PER DETAIL NO. 17, 20, & 25 ON SHEET C-2.2.

 NSTALL BIO-RETENTION PLANTER TYPE 4 PER DETAIL NO. 17, 21, & 25 ON SHEET C-2.2.
 IN STALL BIO-RETENTION PLANTER TYPE 5 PER DETAIL NO. 17, 12, & 25 ON SHEET C-2.2.

 122
 & 25 ON SHEET C-2.2.

 142
 INSTALL PLOW-THROUGH PLANTER 36" AT BUILDING PER DETAIL NO. 17, 23, & 25 ON SHEET C-2.2.

NO. 17, 23, & 25 ON SHEET C-2.2.

44 INSTALL RETAINING CURB STRUTS AT LOCATIONS SHOWN (TYPICAL) PER DETAIL NO. 26 ON SHEET C-2.2.

45 INSTALL DECOMPOSED GRANTE SIDEWALK PER LANDSCAPING DETAILS. 46 INSTALL SITE PERMETER WALL PER DETAILS BY OTHERS.

 [43] INSTALL STREPLICEN WALL FOR DETAILS OF OWNER.
 [47] INSTALL TRASH ENCLOSURE AND ASSOCIATED DEEP FOOTING ADJACENT TO BIO-RETENTION PLANTER SECTION OR WALL, PER DETAILS BY OTHERS.

46 INSTALL PROTECTIVE BOLLARDS PER ARCHITECTURAL DETAILS. 49 INSTALL THEE ROOT BARRIER AT EXISTING THEE AND NEW 9 INSTALL THEE ROOT BARRIER AT EXISTING THEE AND NEW

HICULAR PERVIOUS PAVERS.

$< \land \lor$ massih ARCHITECTS 920 GRAYSON STREET BERKELEY, CALIFORNIA 94710 510.644.1920 WW.KAVAMASSHARCHITECTS.COM SEAL & SIGNATURE We C72184 STATE OF CALIFORN CONSULTANTS CONSULTAN BTRUCTURALENGINEER VerTech Engineering, Inc. 343 Reiches Am. 8200 - Chico, CA 8340, 350 Bread Street - San Luis Obiepo, CA 8340, 530,898,8716 CI VIL ENGINEER LUK ASSOCIATES 738 ALFRED NOBEL DRIVE HERCULEB, CA 94547 510.724 3388 LANDSCAPE CLIFF LOWE ASSOCIATES 1175 FOLSOM STREET SAN FRANCISCO, CA 94103 415.431.0304 WATERPROOFING WISS, JANEY, ELSTNER ASSOCIATES, INC. 2000 Proved Street, Subst 1650 Emerywar, CCA 94008 510.478.2807 ROSEN GOLDBERG DER AND LEWITZ, INC. 1100 Larkspur Landing Circle, Suite 37 Larkspur, CA 94839 415,464,0150 DESIGN / BUILD MECHANICAL DESIGN/BUILD MARINA MECHANICAL 799 Thornton Street Sen Laandron, CA 94577 510.814.3600 W.L. HICKEY SONS, INC. P.O. Box 61209 190 Commercial Street Sunnyvels, CA 94058 408,736,4935 ELECTRICAL DESIGN / BURD 2055 Wilkams Stroet San Leendro, CA 94577 510.433.0500 AGENCY APPROVAL rcc ASHLAND FAMILY HOUSING KENT AVE. AND E. 14TH STREET ASHLAND, CA REVISIONS ISSHANCE DAY MONTH 2013 PERMIT RESUBMITTAL 29 JULY 2013 BACKCHECK #1 06 SEPT, 2013 04 OCT. 2013 31 OCT. 2013 KEY PLAN D mar way CD Same В ٢ DRAWING TITLE GRADING PLAN: CONSTRUCTION NOTES DRAWN: STAFF DATE: JUNE 2013 CHECKED: CW SCALE: 1"=20" KMA PROJECT NO .: 1020 LUK PROJECT NO .: 10019A10 C-4.2 SHEET NUMBER:

PLOT DATE: 10/31/2013