

## Detterman, Mark, Env. Health

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**From:** Detterman, Mark, Env. Health  
**Sent:** Tuesday, October 03, 2017 9:57 AM  
**To:** 'Orion Litzau'  
**Cc:** Peter Langtry; John R. Dye  
**Subject:** RE: Planned geotechnical work at 914 W. Grand Ave. Oakland

Orion,

Thanks for the brief work plan and bore locations. Provided the bores are screened (to the extent possible for the CPT bores) for contaminants as required by the standard procedures, the locations appear to minimize the potential for cross contamination.

I'll let James Yoo at ACPWA to proceed with permitting.

*Mark Detterman  
Senior Geologist, PG, CEG  
Senior Hazardous Materials Specialist  
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*PDF Copies of case files can be downloaded at:  
<http://www.acgov.org/aceh/lop/ust.htm>*

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**From:** Orion Litzau [mailto:[Olitzau@cornerstoneearth.com](mailto:Olitzau@cornerstoneearth.com)]  
**Sent:** Monday, October 02, 2017 8:18 PM  
**To:** Detterman, Mark, Env. Health <[Mark.Detterman@acgov.org](mailto:Mark.Detterman@acgov.org)>  
**Cc:** Peter Langtry <[plangtry@cornerstoneearth.com](mailto:plangtry@cornerstoneearth.com)>; John R. Dye <[jdye@cornerstoneearth.com](mailto:jdye@cornerstoneearth.com)>  
**Subject:** RE: Planned geotechnical work at 914 W. Grand Ave. Oakland

Mark,

Please disregard the attachments on the previous email. I am replacing them with the documents attached here.

Thanks,

**ORION LITZAU, EIT**

Senior Staff Engineer



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**From:** Orion Litzau  
**Sent:** Monday, October 2, 2017 8:11 PM  
**To:** 'Mark.Detterman@acgov.org' <[Mark.Detterman@acgov.org](mailto:Mark.Detterman@acgov.org)>

**Cc:** Peter Langtry <[plangtry@cornerstoneearth.com](mailto:plangtry@cornerstoneearth.com)>; John R. Dye <[jdye@cornerstoneearth.com](mailto:jdye@cornerstoneearth.com)>

**Subject:** Re: Planned geotechnical work at 914 W. Grand Ave. Oakland

Hi Mark,

Thanks for your email and the attached document on guidelines for backfilling Geotech borings. The proposed work on the site will include pushing four CPTs (Cone Penetration Tests) to 50 feet and drilling two borings to between 25 and 50 feet below the existing site surface. The two borings will be drilled 8" in diameter with truck-mounted hollow stem auger drilling equipment. We will collect soil samples from our borings for visual classification, laboratory testing, and for correlation with CPT exploration data. Upon completion of the CPTs and borings, the holes will be tremie grouted with Portland cement grout. Further details of our planned work can be included on the attached site work plan. Also attached is our proposed exploration site plan.

Please let me know should you need any further information to approve the permit.

**ORION LITZAU, EIT**

Senior Staff Engineer



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