

From: Maria Flessas <mflessas@Langan.com>
Sent: Thursday, January 20, 2022 4:37 PM
To: Lou Vasquez <Lou@bldsf.com>; Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>
Cc: Range, Jessica (CPC) <jessica.range@sfgov.org>; Tyler Kepler <tyler@bldsf.com>; Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>; Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>; Peter Brady <pbrady@langan.com>
Subject: RE: 469 Stevenson Geotechnical Study

Hello Lou,

We performed Phase I of the design level investigation, which included 2 borings. The intent of Phase I borings was to evaluate if a mat is feasible. The Phase II borings (2 additional borings for a total of 4 borings) are needed to meet the AB-111 requirements for a mat foundation, including obtaining (1) a 50-foot-deep rock core, (2) calibration of the hammer used to drive the soil samples, (3) shear wave velocity measurements and (4) consolidation and undrained shear strength tests. AB-111 presents Guidelines for Preparation of Geotechnical and Earthquake Ground Motion Reports for Foundation Design and Construction of Tall Buildings. Because the proposed structure will be taller than 240 feet, it is considered a Tall Building. Section of AB-111 below (page 5/14) addresses minimum number of borings for obtaining Old Bay Clay (OBC) samples for laboratory strength and consolidation tests.

The GEOR should determine the adequate number of pairs of consolidation and strength tests to be performed on undisturbed samples of OBC for evaluation of se foundation is not supported by a deep foundation and is placed above the surface foundation bears above or within OBC. One pair of consolidation and undrained sh should be considered for every 30 feet of OBC depth in four representative bo variability of the site is evaluated through CPTs. The minimum number of pairs Additional tests would be required if the preconsolidation stress is exceeded.

Maria Flessas
Principal/Vice President

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From: Lou Vasquez <lou@bldsf.com>

Sent: Thursday, January 20, 2022 3:01 PM

To: Maria Flessas <mflessas@Langan.com>; Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>

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Subject: [External] RE: 469 Stevenson Geotechnical Study

I have a question. Why are we doing additional borings? Will the borings that we've already done not suffice? Are we going to learn anything new from further borings?

Lou Vasquez :: Founder and Principal

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315 Linden Street, San Francisco, CA 94102

From: Maria Flessas <mflessas@Langan.com>

Sent: Thursday, January 20, 2022 1:59 PM

To: Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>

Cc: Range, Jessica (CPC) <jessica.range@sfgov.org>; Tyler Kepler <tyler@bldsf.com>; Lou Vasquez <lou@bldsf.com>; Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>; Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>

Subject: RE: 469 Stevenson Geotechnical Study

[EXTERNAL]

Hello Jenny,

The site specific geotechnical report will include drilling borings at the site. The field investigation and laboratory testing will likely take 3 to 4 weeks for field coordination, drilling permits and utility clearance; up to 2 weeks for drilling; 2 to 3 weeks for lab testing; and an additional 4 to 6 weeks for engineering analysis and report preparation, for a total of about 11 to 15 weeks.

Regards,

Maria Flessas

Principal/Vice President

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From: Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>
Sent: Thursday, January 20, 2022 1:27 PM
To: Maria Flessas <mflessas@Langan.com>
Cc: Range, Jessica (CPC) <jessica.range@sfgov.org>; tyler@bldsf.com; Lou Vasquez <Lou@bldsf.com>;
Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>;
Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>
Subject: [External] RE: 469 Stevenson Geotechnical Study

Hi Maria,

We are still coordinating internally and with DBI on the proposed scope. In the interim, I wanted to ask approximately how long you think it would take to prepare the first draft of the study (assuming the scope is not significantly different from what you already reviewed).

Thanks,
Jenny

Jenny Delumo, AICP (she/hers)
Senior Planner and Transportation Review Team Lead
Environmental Planning Division

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From: Delumo, Jenny (CPC)
Sent: Friday, January 14, 2022 10:15 AM
To: Maria Flessas <mflessas@Langan.com>
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Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>;
Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>
Subject: RE: 469 Stevenson Geotechnical Study

Hi Maria,

Thank you! We will circle back with the updated scope after our coordination.

Kind regards,
Jenny

**Jenny Delumo, AICP (she/hers)
Senior Planner and Transportation Review Team Lead
Environmental Planning Division**

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From: Maria Flessas <mflessas@Langan.com>

Sent: Wednesday, January 12, 2022 9:32 AM

To: Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>

Cc: Range, Jessica (CPC) <jessica.range@sfgov.org>; tyler@bldsf.com; Lou Vasquez <Lou@bldsf.com>;
Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>;
Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>

Subject: RE: 469 Stevenson Geotechnical Study

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Hello Jenny,

Thank you for including me in the call last week. I reviewed the draft outline you sent me and included some additional items for your consideration. The additional text is tracked.

Regards,

**Maria Flessas
Principal/Vice President**

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From: Delumo, Jenny (CPC) <jenny.delumo@sfgov.org>

Sent: Monday, January 10, 2022 1:26 PM

To: Maria Flessas <mflessas@Langan.com>

Cc: Range, Jessica (CPC) <jessica.range@sfgov.org>; tyler@bldsf.com; Lou Vasquez <Lou@bldsf.com>;
Radonich, Anna <anna.radonich@stantec.com>; Macenski, Trevor <Trevor.Macenski@stantec.com>;
Johnson, Kaela <Kaela.Johnson@stantec.com>; Steven Vettel <SVettel@fbm.com>

Subject: [External] 469 Stevenson Geotechnical Study

Hi Maria,

Thank you for the call last week to discuss the site-specific geotechnical study for the 469 Stevenson project.

Attached is the draft outline for the report based on our conversation. We are still coordinating with other City staff on this outline so there may be some edits to the scope, but wanted to share this now to get your thoughts. Please take a look and let us know if you have any concerns or questions about the scope of the analysis and our request for Lagan's review of the geology and soils section in the draft EIR.

Thanks,
Jenny

Jenny Delumo, AICP (she/hers)
Senior Planner and Transportation Review Team Lead
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