

Subject: Comments - NOP for 19 North Second Street Mixed-Use Project (SCH 2021070529)
Date: Thursday, August 5, 2021 at 2:18:02 PM Pacific Daylight Time
From: Frost, Erik@DOC
To: maira.blanco@sanjoseca.gov
CC: OPR State Clearinghouse, OLRA@DOC

Ms. Blanco,

The California Geological Survey (CGS) has received the Notice of Preparation (NOP) of a Draft Supplemental Environmental Impact Report (SEIR) for the 19 North Second Street Mixed-Use Project in the City of San Jose. The NOP notes that the City of San Jose is welcoming input regarding the scope and content of the environmental information in the SEIR. This letter therefore conveys suggestions and recommendations from CGS concerning geologic and soils issues relevant to the project.

The California Geological Survey recommends the SEIR address the following items and issues:

1. Geologic Hazards

The project is located within an Earthquake Zone of Required Investigation for liquefaction. The SEIR should address the potential hazard of liquefaction. Additional information can be found in the Seismic Hazard Zone Report for the San Jose West 7.5-Minute Quadrangle (https://gmw.conservation.ca.gov/SHP/EZRIM/Reports/SHZR/SHZR_058_San_Jose_West.pdf) and the associated Earthquake Zone of Required Investigation Map (https://gmw.conservation.ca.gov/SHP/EZRIM/Maps/SAN_JOSE_WEST_EZRIM.pdf).

The project is also located near many active faults capable of producing severe ground shaking during an earthquake. The SEIR should include a discussion of nearby active faults and the relative likelihood of the project area to experience strong ground shaking. The earthquake shaking potential for various regions in California can be viewed here: <https://www.conservation.ca.gov/cgs/psha>.

2. Regional and Site-Specific Geology

The SEIR should include a brief discussion of the geologic history of the region and a description of the rock types in the project area. Geologic maps of varying scale can be found here: <https://ngmdb.usgs.gov/mapview/>

3. Soils

The SEIR should consider including a summary on the types of soils present in the project area and a discussion of the soil characteristics pertinent to development, such as source material, geographic setting, drainage characteristic, permeability, and the risk of erosion and soil expansion. The Natural Resources Conservation Service has an interactive soil map available at the following website: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

Please let me know if you have any questions or concerns with the comments in this letter.

Sincerely,

Erik

Dr. Erik Frost

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