

Subject: FW: San Clemente General Plan Safety Element
Date: Monday, July 12, 2021 at 1:15:58 PM Pacific Daylight Time
From: DeFrisco, Michael@DOC
To: OPR State Clearinghouse
CC: ORLA@conservation.ca.gov
Attachments: image001.png, image002.png, image003.png, image004.png, image005.png, image006.png, image007.png, image008.png, image009.png, image010.png, image011.png, image012.png, image013.png, image014.png, image015.png

To whom it may concern:

Below is a record of CGS comments sent to City Place Planning and the City of San Clemente with respect to SCH Number 2021020256.

Sincerely,
Mike DeFrisco



Michael DeFrisco, PG, CEG

Engineering Geologist

California Geological Survey

320 W. 4th Street, Suite 850

Los Angeles, CA 90013

O: (213) 239-0884

C: (213) 598-1541

E: Michael.DeFrisco@conservation.ca.gov



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From: DeFrisco, Michael@DOC
Sent: Monday, July 12, 2021 11:03 AM
To: 'Claudia Tedford' <claudia.tedford@cityplaceplanning.com>
Cc: Jennifer Savage <SavageJ@san-clemente.org>
Subject: RE: San Clemente General Plan Safety Element

Dear Ms. Tedford,

The California Geological Survey (CGS) has received the updated draft Safety Element for the City of San Clemente General Plan update. This letter conveys suggestions and recommendations from the California Geological Survey concerning geologic and soils issues related to the planning area.

The California Geological Survey recommends the General Plan update address the following

items and issues within the planning area:

1. Geologic Hazards

Numerous potential geologic hazards exist within the City of San Clemente planning area. Each of the hazards listed below should be addressed in the General Plan update.

a. Liquefaction and Landslide Hazards

CGS has completed Seismic Hazard Zone mapping of liquefaction and landslide hazards for areas within the City of San Clemente. The maps and reports can be accessed here:

<https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/>

An inventory of landslide mapping from the CGS Landslide Inventory Database can be accessed here:

<https://maps.conservation.ca.gov/cgs/lis/app/>

Additional information can be found at the following website:

<https://www.conservation.ca.gov/cgs/shma>

b. Ground Shaking Hazards – The City of San Clemente planning area is located near many active faults capable of producing severe ground shaking during an earthquake. The Safety Element should include a discussion of nearby active faults and the relative likelihood of the planning area to experience strong ground shaking. Information on earthquakes, faults, and shaking potential for various regions in California can be viewed at the following websites:

<https://www.conservation.ca.gov/cgs/psha>

<https://www.conservation.ca.gov/cgs/earthquakes>

c. Tsunami Hazards – CGS has established Tsunami Hazard Areas within the City of San Clemente planning area. The maps and additional information can be accessed at the following websites:

<https://www.conservation.ca.gov/cgs/tsunami>

<https://www.conservation.ca.gov/cgs/tsunami/maps>

2. Regional and Site-Specific Geology

The Safety Element update should include a brief discussion of the geologic history of the area and a description of the rock types in the planning area. Preliminary geologic maps for the San Clemente area can be accessed here:

<https://www.conservation.ca.gov/cgs/maps-data/rgm/preliminary>

3. Soils

The Safety Element update should consider including a summary on the types of soils present in the planning 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,
Mike DeFrisco, CEG



Michael DeFrisco, PG, CEG

Engineering Geologist

California Geological Survey

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From: Claudia Tedford <claudia.tedford@cityplaceplanning.com>
Sent: Tuesday, June 29, 2021 1:30 PM
To: DeFrisco, Michael@DOC <Michael.DeFrisco@conservation.ca.gov>
Cc: Jennifer Savage <SavageJ@san-clemente.org>
Subject: Re: San Clemente General Plan Safety Element

Hello Mike –

Nearly a year ago, we spoke regarding consultation for the update of the City of San Clemente’s Safety Element. The update is now drafted, and has been approved by the Board of Forestry and Fire Protection. I have attached the draft for your review to ensure that all known seismic or other known geological hazards are addressed.

Please let us know if you have any questions or comments.

Thank you –

Claudia

Claudia Tedford, AICP
Principal

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From: "DeFrisco, Michael@DOC" <Michael.DeFrisco@conservation.ca.gov>
Date: Friday, August 7, 2020 at 3:17 PM
To: Claudia Tedford <claudia.tedford@cityplaceplanning.com>
Cc: Jennifer Savage <SavageJ@san-clemente.org>
Subject: RE: San Clemente General Plan Safety Element

Ok, sounds good. Take care.

Mike

From: Claudia Tedford <claudia.tedford@cityplaceplanning.com>
Sent: Friday, August 7, 2020 3:14 PM
To: DeFrisco, Michael@DOC <Michael.DeFrisco@conservation.ca.gov>
Cc: Jennifer Savage <SavageJ@san-clemente.org>
Subject: Re: San Clemente General Plan Safety Element

Hi Mike –

Thank you very much for providing this information. I'm sorry I missed your call this afternoon.

When the Safety element is drafted and before the City adopts the updated Safety Element, state General Plan guidelines stipulate that we send you the draft to ensure that all known seismic or other known geological hazards are addressed. I don't have an exact date for the draft document yet, but it will be in 2021.

Thanks again –

Claudia

Claudia Tedford, AICP
Principal

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From: "DeFrisco, Michael@DOC" <Michael.DeFrisco@conservation.ca.gov>
Date: Friday, August 7, 2020 at 3:08 PM
To: Claudia Tedford <claudia.tedford@cityplaceplanning.com>
Cc: Jennifer Savage <SavageJ@san-clemente.org>
Subject: RE: San Clemente General Plan Safety Element

Hi Claudia,

The following links will direct you to our websites that contain information to assist with preparation of the Safety Element. Feel free to contact me with any questions or requests for additional information or GIS files, if needed.

<https://www.conservation.ca.gov/cgs/>

CGS website

<https://www.conservation.ca.gov/cgs/maps-data>

links for geologic maps and seismic hazards

<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>

Interactive map contains links for maps and reports on faults, liquefaction, landslides/slope instability, and tsunami hazards.

<https://maps.conservation.ca.gov/cgs/DataViewer/>

Interactive map with layers for seismic hazards

<https://maps.conservation.ca.gov/cgs/fam/>

Interactive fault activity map of California

<https://maps.conservation.ca.gov/cgs/radon/>

Interactive map of Indoor Radon Potential



Michael DeFrisco, PG, CEG

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From: Claudia Tedford <claudia.tedford@cityplaceplanning.com>

Sent: Thursday, August 6, 2020 2:53 PM

To: DeFrisco, Michael@DOC <Michael.DeFrisco@conservation.ca.gov>

Cc: Jennifer Savage <SavageJ@san-clemente.org>

Subject: Re: San Clemente General Plan Safety Element

Hi Mike –

Thank you so much for getting back with me. Attached is the City's current Safety Element. Please note that the figures appear at the end of the document. Your assistance is greatly appreciated!

Best regards –

Claudia

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Principal

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From: "DeFrisco, Michael@DOC" <Michael.DeFrisco@conservation.ca.gov>

Date: Thursday, August 6, 2020 at 2:47 PM

To: Claudia Tedford <claudia.tedford@cityplaceplanning.com>

Subject: San Clemente General Plan Safety Element

Hi Claudia,

It was nice speaking with you this afternoon. As we discussed, please forward the most recent Safety Element to me, and I will review it and get back to you tomorrow at the latest so we can discuss a plan to move forward.

Thank you,
Mike



Michael DeFrisco, PG, CEG

Engineering Geologist

California Geological Survey

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