

Appendix IS-3

Natural History Museum Records Search

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3 February 2015

Matrix Environmental
6701 Center Drive West, Suite 900
Los Angeles, California 90045

Attn: Stephanie Eyestone-Jones, President

re: Paleontological resources for the proposed Marina Marketplace Phase III Project, in the
City of Los Angeles, Los Angeles County, project area

Dear Stephanie:

I have conducted a thorough check of our paleontology collection records for the locality and specimen data for the proposed Marina Marketplace Phase III Project, in the City of Los Angeles, Los Angeles County, project area as outlined on the portion of the Venice quadrangle map that Laura Rodriguez sent to me via e-mail on 21 January 2015. We have no vertebrate fossil localities that lie directly within the boundaries of the proposed project area, but we do have localities nearby from sedimentary deposits similar to those that occur at depth in the proposed project area.

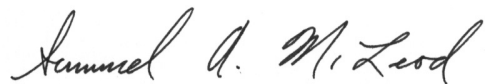
The entire proposed project area has surface deposits that consist of younger Quaternary Alluvium, derived predominately as fluvial deposits from Ballona Creek that currently flows just to the east and south. These deposits typically do not contain significant fossil vertebrate remains, at least in the uppermost layers, and we have no vertebrate fossil localities nearby from such deposits. At relatively shallow depth in this area, however, older Quaternary sediments that contain significant vertebrate fossils are likely to be encountered. Our closest vertebrate fossil locality from these deposits is LACM 7879, north-northwest of the proposed project area near the intersection of Rose Avenue and Penmar Avenue, that produced fossil specimens of horse, *Equus*, and ground sloth, *Paramylodon*, at greater than eleven feet in depth. Our next closest vertebrate fossil locality from these deposits is LACM 5462, further north-northwest of the

proposed project area just south of Olympic Boulevard along Michigan Avenue east of Cloverfield Boulevard, that produced a fossil specimen of extinct lion, *Felis atrox*, at a depth of only six feet below grade.

Surface grading or very shallow excavations in the proposed project area probably will not uncover significant vertebrate fossil remains. Excavations that extend down below about five feet, however, may well encounter significant fossil vertebrate specimens. Any substantial excavation below the uppermost layers in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Sediment samples from the proposed project area should also be collected and processed to determine the small fossil potential of the site. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in cursive script that reads "Samuel A. McLeod".

Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: invoice