

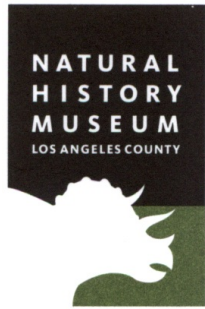
Appendix E Paleontological Resources Data

Appendix

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20 May 2019

PlaceWorks, Inc.
3 MacArthur Place, Suite 1100
Santa Ana, CA 92707

Attn: Elizabeth Kim, Senior Associate

re: Paleontological Records Search for the proposed Grand View Elementary School Project, in
the City of Manhattan Beach, Los Angeles County, project area

Dear Kim:

I have conducted a thorough search of our Vertebrate Paleontology records for the proposed Grand View Elementary School Project, in the City of Manhattan Beach, Los Angeles County, project area as outlined on the portion of the Venice USGS topographic quadrangle map that you sent to me via e-mail on 27 March 2019. We do not have any vertebrate fossil localities that lie within the proposed project site boundaries, but we do have localities nearby from the same sedimentary deposits that probably occur at depth in the proposed project area.

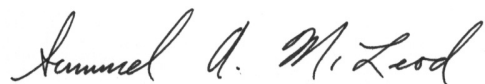
In the entire proposed project area the surface deposits consist of older Quaternary dune sands. These types of deposits typically do not contain significant vertebrate fossils in the uppermost layers, but in older sedimentary deposits at depth there may well be significant fossil vertebrate remains. Our closest vertebrate fossil locality from older Quaternary deposits is LACM 2035, just north of due east of the proposed project area near the intersection of Prairie Avenue and 139th Street, that produced fossil mammoth bones at an unrecorded depth. Our next closest vertebrate fossil locality is LACM 3264, just east of north of the proposed project area in the middle of the Los Angeles International Airport near what is now the Tom Bradley International Terminal, that produced a fossil specimen of an elephant, Proboscidea, at a depth of 25 feet below the surface. A little farther just east of north of the proposed project area, just south of West 98th Street and west of Bellanca Avenue, our locality LACM 7332 produced a

specimen of fossil baby mammoth, *Mammuthus*, at a depth of 40 feet below street grade. Our other nearby vertebrate fossil localities include LACM 3789, further north of locality LACM 7332 at 8734 Bellanca Avenue south of Manchester Avenue, that produced fossil mammoth, *Mammuthus*, rodent, Rodentia, and even a speckled sanddab, *Citharichthys stigmaeus*, at a depth of 14 feet below the surface; and two localities, LACM 1180 and LACM 4942, immediately northwest of locality LACM 3789 on the northeast and southeast sides respectively of Airport Boulevard at the intersection with Manchester Avenue, that produced fossil specimens of horse, *Equus*, mammoth, *Mammuthus*, bison, *Bison*, and rabbit, *Lepus*, at depths of 13 to 16 feet below the surface.

Surface grading or very shallow excavations in the Quaternary dune sands exposed in the proposed project area probably will not encounter significant fossil vertebrate remains. Deeper excavations that extend down into older deposits in the proposed project area, however, may well uncover significant vertebrate fossils. Any substantial excavations in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Also, sediment samples should be collected and processed to determine the small fossil potential in the proposed project area. 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,



Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: invoice