

APPENDIX E

LOS ANGELES COUNTY NATURAL HISTORY MUSEUM RECORDS SEARCH

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15 May 2019

Psomas
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Attn: Melissa Macias, Paleontologist

re: Paleontological Resources for the proposed Huntington Plaza Mixed-Use Project, Psomas
Project # 3NWI010100, in the City of Arcadia, Los Angeles County, project area

Dear Melissa:

I have conducted a thorough search of our Vertebrate Paleontology records for the proposed Huntington Plaza Mixed-Use Project, Psomas Project # 3NWI010100, in the City of Arcadia, Los Angeles County, project area as outlined on the portion of the Mt. Wilson USGS topographic quadrangle map that you sent to me via e-mail on 1 May 2019. We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have localities nearby from sedimentary deposits similar to those that probably occur at depth in the proposed project area.

Surficial deposits in the entire proposed project area consist of younger Quaternary gravels, derived as alluvial fan deposits from the San Gabriel Mountains to the north via the East Branch of the Arcadia Wash that currently flows just to the west and via the Santa Anita Wash that currently flows just to the east. These younger Quaternary deposits typically do not contain significant vertebrate fossils, at least in the uppermost layers, but they are likely underlain, possibly at relatively shallow depths, by deposits of older Quaternary Alluvium that may well contain significant vertebrate fossils.

Our closest vertebrate fossil locality in these older Quaternary deposits is LACM 2027, west-northwest of the proposed project area, in Pasadena south of Washington Boulevard and

west of Allen Avenue near the western end of Brigden Road, that produced a fossil specimen of mastodon, *Mammot*, at unstated depth. Southeast of the proposed project area, south of Arrow Highway and east of Irwindale Boulevard north of Dalton Wash, our older Quaternary locality LACM 1807 produced a fossil specimen of mastodon, *Mammot americanum*, in a gravel pit at a depth of 115-120 feet below the original surface. Further to the west-southwest of the proposed project area, in Eagle Rock east of the Pasadena Freeway (I-110) and Eagle Rock Boulevard just south of York Boulevard, our older Quaternary locality LACM (CIT) 342 produced fossil specimens of turkey, *Parapavo californicus*, and mammoth, *Mammuthus*, at a depth of 14 feet below the surface. The fossil turkey specimen from locality LACM (CIT) 342 was published in the scientific literature by L.H. Miller in 1942 (A New Fossil Bird Locality. *Condor*, 44(6):283-284) and the mammoth specimen was a rare, nearly complete skeleton and was published in the scientific literature by V.L. Roth in 1984 (How Elephants Grow: Heterochrony and the Calibration of Developmental Stages in Some Living and Fossil Species. *Journal of Vertebrate Paleontology*, 4(1):126-145).

Shallow excavations in the younger Quaternary gravels exposed throughout the proposed project area probably will not encounter significant vertebrate fossil remains. Deeper excavations that extend down into older and perhaps finer-grained Quaternary deposits, however, may well uncover significant fossil vertebrate specimens. 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. Sediment samples should also be collected from the older deposits in the proposed project area and processed to determine their small fossil potential. 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