APPENDIX D2

PALEONTOLOGICAL RECORDS SEARCH

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

July 2, 2022

UltraSystems Environmental
Attn: Stephen O'Neil

re: Paleontological resources for the Richard T. Steed Memorial Park/Baron Von Willard Dog Park Master Plan Update (7179)

Dear Stephen:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Richard T. Steed Memorial Park/Baron Von Willard Dog Park Master Plan project area as outlined on the portion of the San Clemente USGS topographic quadrangle map that you sent to me via e-mail on June 10, 2022. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County (NHMLA).

Locality Number	Location	Formation	Taxa	Depth
LACM VP 5051	On the north facing slope just east of Avenida Pico, near intersection with Camino Vera Cruz.	Capistrano Formation	Sperm whale (*Scaldicetus*)	Unknown
LACM IP 16945	Plaza Pacifica; NW of Avenida Pico and La Plata	Capistrano Formation (siltstone)	Bivalve (*Delectopecten peckhami*), pelagic crabs (Galatheidae)	Unknown
LACM VP 4631, 5498, 5562, 5563; LACM IP 7766, 10028-10031, 17596	"Marblehead"; development bounded by Avenida Vista Hermosa, I-5, E Avenida Pico, and Camino Vera Cruz; San Clemente	Capistrano Formation (massive firm gray siltstone with some gypsum & sulfur underlain by sandstone; majority of specimens in bonebed deposit)	Walruses (Odobeninae, *Gomphotaria pugnax*), (Cetacea), fur seal (Arctocephalinae), Sabertooth salmon (*Oncorhynchus rastrosus*), requiem shark (*Carcharhinus*), mackerel sharks (*Isurus*), sixgill sharks (*Hexanchus*), bony fish (*Eclipses*), white sharks (*Carcharodon*), eagle ray (*Myliobatis*), pile perch	Unknown, collected during grading

			(*Damalichthys*), perch-like fish (*Thyrsocles*), wrasse (*Semicossyphus*), blue shark (*Prionace*), hammerhead shark (*Sphyrna*), wolf eel (*Anarrhichthys*), eel (Anguiliformes), short-nosed chimaeras (Chimeridae); unspecified invertebrates	
LACM VP 6991 - 6992	NE side of Pacific Coast Highway (El Camino Real) 285 yards NW of intersection with Camino Capistrano	Capistrano Formation (well bedded diatomaceous shale)	Deep sea smelt (Bathylagidae); Bristlemouth (*Cyclothone*); cod (*Eclipes*); pipefish (*Syngnathus*)	Surface

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the NHMLA. It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice