



## REPORT TO CITY COUNCIL

**To:** Honorable Mayor and Members of the City Council

**From:** Jason Simpson, City Manager

**Prepared By:** Remon Habib, City Engineer

**Date:** September 27, 2022

**Subject:** Professional Services Agreement to Provide Independent Plan Check of the Wasson Canyon Creek Culvert Design

### **Recommendation**

Approve and authorize the City Manager to execute an Agreement for Professional Services in the amount of \$31,491, plus 10% contingency, to provide an engineering independent plan check of Wasson Canyon Creek Culvert, in such final form as approved by the City Attorney.

### **Background**

As part of the South Shore (TR 31593) development located between Interstate 15 and the Rosetta Canyon residential community, the Developer is required to construct Elsinore Hills Road from its existing terminus near Sunsprite Street to Camino del Norte. As it currently aligns, Elsinore Hills Road traverses through the Wasson Canyon Creek located just 500 feet from the road's existing terminus and will require an overcrossing.

The Developer is proposing to construct a proprietary corrugated steel plate structure produced by Contech Engineered Solutions LLC. The bridge structure spans 30 feet with a longitudinal length of 350 feet and is encompassed by flowable fill material. Unlike a traditional bridge structure, this type of structure requires specialized expertise to complete the plan check of the structure plans.

### **Discussion**

HDR will be performing review of structure plans, structure calculations, and geotechnical report submitted by the developer. Scope of services includes, preparing verification calculations of culvert and head walls, review of keystone walls, review of the plan set, provide plan check comments, and review geotechnical report pertaining to the structure plan set.

### **Fiscal Impact**

Professional Services Agreement will result into a cost of \$31,491 plus an additional 10% in contingency. The service provided are funded through the development plan check fees.

### **Exhibits**

- A – Agreement
- B – Proposal & Fee
- C – Project Map