CEEn-2016CPST-008

Arterial Collector Design & Feasibility Study

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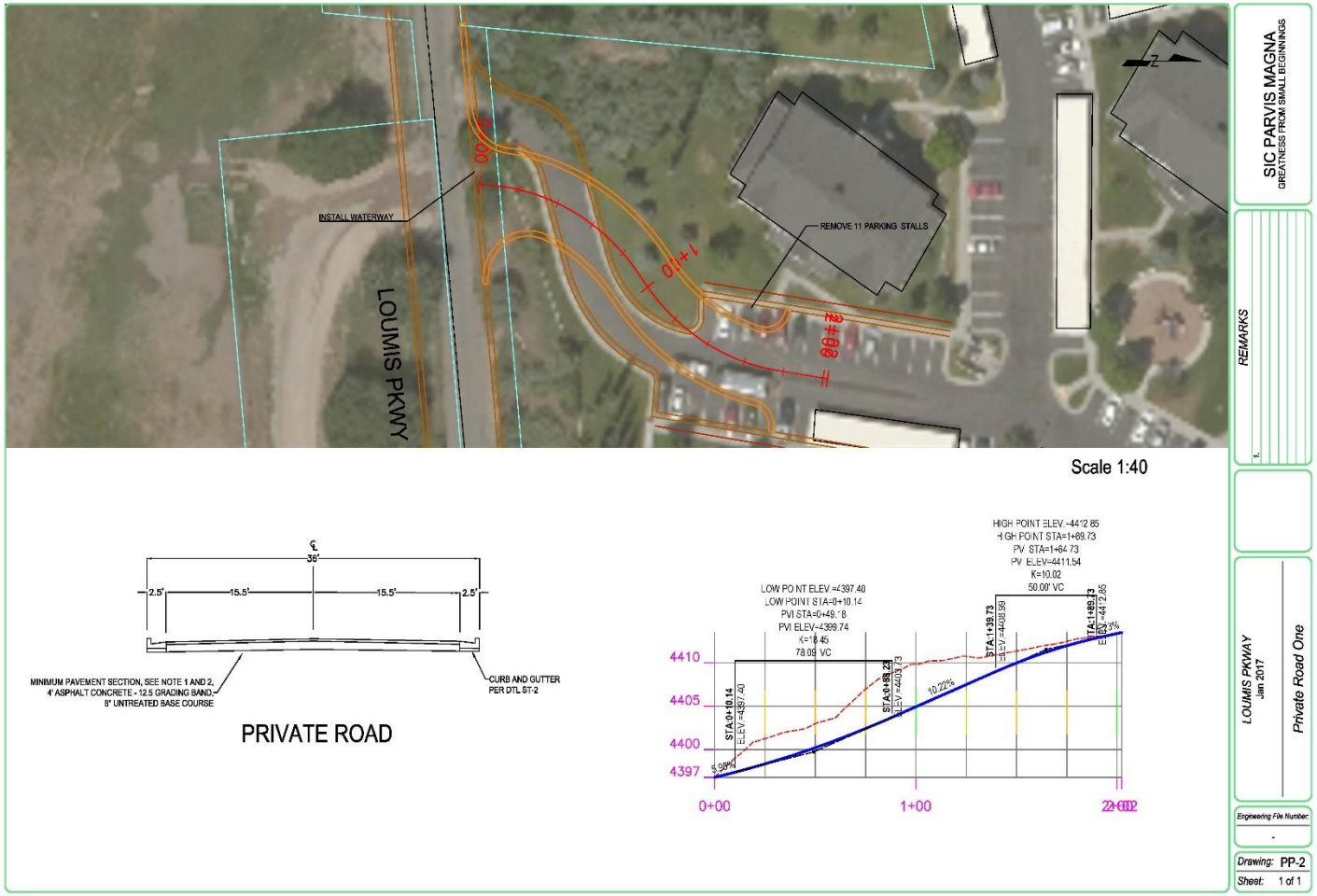
Introduction

- This project entails the design of an access road connecting the existing Bluffs Apartments to Loumis Parkway in Bluffdale, Utah.
- The residents of the apartment complex requested a second access road to the apartment complex.
- Feasibility study for the proposed roadway.

Analysis, Design & Results

- Accident Study, Traffic control device study, cost analysis, and construction feasibility.
- Looked at three different options.
- Best option was to redesign the existing roadway to be suitable for traffic.
- Overall cost would be around $128,000.
- Most expensive route was estimated to be $800,000.



Conclusions & Recommendations

- It is recommended that the City of Bluffdale proceed with the implementation of the private road design due to its relatively low cost and ease of construction
- Further studies will need to be done to determine the economic impact of the proposed designs