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Geotechnical Information

CDM visited the site in several occasions, and observed that the ditch is mostly dry, with no baseflow conditions. From conversations with City staff, it is anticipated that the groundwater table impacts, and ditch baseflow will be minimal, particularly during the dry season. CDM gathered geotechnical information at the proposed location of the concrete structure by digging a 15-foot deep boring. The soils are mostly clayey soils, and the groundwater level was not encountered during the exploration.

The method of installation of the proposed box can be complex given the limited information available, and the fact that no detailed geotechnical stability evaluation was part of the design work.

Conceptual Cost Estimate

CDM developed an opinion of probable construction costs for this project. CDM has no control over the cost of labor, materials, equipment, or services furnished over schedules, over contractor's methods of determining prices, market conditions or negotiating terms. The cost estimate includes labor, materials, and equipment but CDM cannot guarantee that this opinion will not vary from actual costs, or contractor's bids.

The underlying assumptions for the development of this cost estimate are:

- No rock excavation will be required
- Normal dewatering will be needed
- No hazardous contaminants will be found
- No labor overtime will be necessary
- No maintenance of traffic will be necessary
- Land acquisition, plat record, or land description are not included
- Permits are not included
- 7 percent sales tax