

Livermore Area Recreation and Park District

Staff Report

TO: Chair Pierpont and Board of Directors

FROM: Mat Fuzie, General Manager

PREPARED BY: Mat Fuzie, General Manager

DATE: April 14, 2021

SUBJECT: Sunken Gardens Pump Track

COMMITTEES: Facilities Committee on February 4, 2021 and March 4, 2021

RECOMMENDATION: That the Board of Directors (BOD) approve the proposal submitted by O'Dell Engineering for an estimated \$56,000 to complete the design phase, up to and including development of construction documents, for a "Pump Track". The design phase will also include an Engineer's Estimate for the costs to complete the project. Since it is anticipated that this project will be considered a Major Capital Outlay, completion of the design phase will allow the Board of Directors to have the information it needs to decide whether to move this project into the bid phase.

BACKGROUND: The Livermore Area Recreation and Park District (LARPD) has been considering the addition of a Pump Track to our inventory for the entire time the General Manager, Mat Fuzie, has been in office. Staff have researched various vendors and considered other proposals. LARPD spent \$7,500 for the American Ramp Company to do a public outreach meeting and conceptual scoping of a pump track at Sunken Gardens. The American Ramp Company proposal was received prior to the beginning of the pandemic and came in the form of a two phase construction project with a total estimated cost over \$400,000, which was much higher than anticipated.

O'Dell Engineering offered, and generated, a proposal for them to complete a design and engineering study in relation to the Pump Track project, including a topographic survey and mapping of the Sunken Gardens site, construction level drawings and other construction documents, and an Engineer's Estimate. At the completion of this effort, the BOD will have the information it needs to decide if the project should be approved to go out to bid.

Factors considered in staff's recommendation to move forward with the O'Dell proposal:

- O'Dell is a local company and will have fewer travel restrictions during extended pandemic.
- Clear community desire for this project.
- Resources are currently available via AB 1600 funds.
- Proven record of positive outcomes with O'Dell Engineering.
- O'Dell's proposal is only for the design phase and allows for a bid process, in essence allowing for a no project option if there are complications that escalate overall cost.
- The American Ramp proposal was a design and build proposal.

ATTACHMENT: O'Dell Engineering's Landscape Architecture, Civil Engineering & Surveying
Proposal: M3055 re: Sunken Gardens Pump Track



Date: February 11, 2021

To: Mathew Fuzie
General Manager
Livermore Area Recreation and Park District
4444 East Ave., Livermore, 94550

From: Samir Khanna, Senior Landscape Architect, PLA, RQP, LEED AP

Re: **Sunken Gardens Pump Track – Landscape Architecture, Civil Engineering & Surveying Proposal: M3055**

Project Description

O’Dell Engineering was requested by LARPD on January 29, 2021 to provide a proposal for landscape design services for a proposed pump track project in the Sunken Gardens park in Livermore. This project would work in synergy with the proposed housing project site to the west of the park. LARPD would like to plan for a pump track that is focused more on local / community needs and is less of a regional / national draw.

LARPD also shared key findings from the public outreach process from March 2020 which reflected the most popular features desired by the community being a dedicated "jump line", a separate kid track area, & the opportunity for "cross overs" providing the ability to move from one pathway to another. Also popular were "wall rides" that are comprised of wooded slats placed on top of a curved section of track, allowing the riders to take a curve while riding on these slanted wooden slats.

Included within O’Dell’s team is Spohn Ranch, a firm we routinely partner with on skate park and pump track projects who will assist with providing the preliminary layout of the tracks. It is also anticipated that as part of these efforts, some storm water utility connections as well as minor planting, irrigation and hardscape improvements might be needed to help support the new pump track project. The anticipated construction budget provided by LARPD is \$250,000 – 300,000.

The scope of work extents would be per the exhibit (Exhibit “A”). The anticipated tasks are as follows:

Task 1: Topographic Survey and Mapping

- a. Perform topographic survey of all hardscape and softscape, including: grade breaks, high points, low points. In flat areas, measure spot elevations in a grid pattern at 25-foot intervals.
- b. Locate surface-visible utility features and improvements, such as: signs, fences, walls, buildings, striping, driveways, walkways, drainageps, structures, lights, poles, bollards, general limits of vegetated or landscaped areas, USA markings, vaults, valves, meters, boxes, pedestals, cleanouts, manholes, drain inlets, catch basins, culverts, outfalls, and standpipes.
- c. Trees 6” in diameter or larger will be located.
- d. At manholes and accessible structures measure invert elevation of all gravity storm drains and sewer pipes.
- e. Annotate topographic survey drawing with invert elevation, approximate diameter, and orientation of each pipe visible at the time of the survey. Where access is not practical, O’Dell Engineering shall indicate by notation on the mapping deliverable.
- f. Prepare topographic map at an appropriate scale.

DELIVERABLES:

- Digital copy of the topographic survey in AutoCAD Civil 3D 2018 format.

Task 1 Lump Sum Cost: \$5,100

Task 2: Design Development Phase

The O'Dell team will assign a Landscape Project Manager to the project at the onset who will help with the seamless management of site related design, coordination and communication protocols and tasks. Based on an analysis of existing conditions, client brief as well as public outreach feedback received per date, O'Dell Engineering landscape architects and civil engineers will prepare design development documents. This phase includes the following:

- a. Review available as-built data for the scope of work area.
- b. Review applicable codes and design and construction standards.
- c. Using the topo drawing created by Survey, prepare a base drawing for the grading & drainage plan.
- d. Preliminary Grading and Drainage Plan
- e. Preliminary Pump Track Layout & Materials Plan
- f. Preliminary Planting Design Plan (not including MWELo calculations)
- g. Key construction details
- h. Select imagery alluding to the general hardscape and softscape design intent.
- i. Preliminary R.O.M. (rough order of magnitude) cost estimate
- j. Submittal of preliminary design documents to client for approval.

DELIVERABLES:

- Design Development Landscape & Civil improvement plans
- Preliminary R.O.M. Engineer's cost estimate for landscape & civil improvements

Task 2 Lump Sum Cost: \$16,000

Task 3: Construction Documents Phase (90% / 100%)

Following approval of the design development package, O'Dell Engineering landscape architects and Civil Engineers will prepare detailed site improvement plans for submittal to the LARPD & the City of Livermore for any applicable permits. The final construction documents will also become the Bid Set, used to invite contractor bids. Improvement plans include routine information normally required by the City. This phase includes the following:

- a. Demolition Plan
- b. Erosion Control Plan
- c. Horizontal Control Plan
- d. Grading and Drainage Plan
- e. Layout & Materials Plan
- f. Irrigation Design Plan
- g. Planting Design Plan.
- h. Key construction details (landscape architecture & civil engineering)
- i. Technical Specifications
- j. Updated Engineer's Cost Opinion Estimate (at the 90% and 100% construction documentation stages)
- k. Submittal of documents to client for approval

Task 3 Lump Sum Cost: \$26,000

Task 4: Agency Review

Considering final review and any plan check comments from City staff, the design team will revise the construction documents, and furnish signed reproducible copies of the bid documents (plans, technical specifications and final estimates) ready for reproduction and binding for bidding.

- a. Plan updates per plan check comments - address up to one (1) round of agency review comments and resubmit improvement plans for approval.

Task 4 Cost: Estimated Hours: \$4,000 to be billed hourly. See attached fee schedule.

Task 5: Meetings/Coordination & Processing

- Participating in an initial kick-off (*phone call*) with LARPD and other relevant stakeholders. This meeting will help confirm the public outreach findings, introduction of O’Dell Engineering staff to the client team as well as clarify project objectives, budgets, schedule and scope of services.
- (1) meeting midway in the Design development phase to confirm the preliminary pump track layout & grading for LARPD approval
- (1) meeting at the end of the Design development phase to review the plans and related preliminary cost estimates for LARPD approval to proceed to the construction documents phase.
- Attendance at up-to (2) virtual design team meetings during the construction documents phase.

Task 5 Budget: Estimated Hours: \$3,000 to be billed hourly. See attached fee schedule.

Task 6: Reimbursables

- Printing, travel expenses & shipping/deliverables

Task 6 Budget: \$2,000 plus 10%

Total Cost (Tasks 1 – 6): \$56,500

Client to provide:

- Any applicable agency fees.
- USA requests, if appropriate.
- Soils Report
- Geotechnical Investigations Report
- Site access.
- Existing utility records, including as-builts, record drawings, plans, or GIS information.

Assumptions / Limitations:

- Assumes public outreach efforts have been completed and client brief will include pump track extent / materiality and available budgets.
- Scope of work does not currently include bidding or construction observation services.
- Topographic survey mapping is limited to the scope of work extents shown in Exhibit “A” attached hereto and by this reference made a part hereof. Significant deviations may result in additional costs. Survey

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deliverables will be based on the NAD83 horizontal datum and the NAVD88 vertical datum. A survey control statement will be provided, including: the location, elevation, and description of the benchmark utilized, as well as a horizontal survey coordinate table with the point number, northing, easting, and description for at least three (3) points. Obstructed or inaccessible areas may not be mapped. Scope does not include mapping of small trees, shrubs, or other minor vegetation. Pipe inverts which are not visible and exposed at the time of the survey due to inundation with water, trash, dirt, debris, etc. may not be measured. Scope does not include research, mapping, potholing, locating, or any other form of subsurface utility investigation or verification.

- Survey scope does not include survey monument preservation as defined and required by Section 8771 of the Professional Land Surveyors’ Act. Scope does not include boundary surveying as defined in Section 8726(c) of the Professional Land Surveyors’ Act.
- Excludes structural engineering design.
- Assumes new irrigation can be connected to existing park irrigation system.
- Excludes any storm water post-construction project documents as required by the State of California and the local agency.
- Excludes a SWPPP (Storm Water Pollution Prevention Plan), Stormwater Quality Control Plan or a Dust Control Permit
- Excludes utility plans (new sewer and water service) & dry utility design
- Excludes QSP services
- Excludes environmental review, studies, or documents
- Scope does not include fees, permits, or processing of permits.
- Excludes providing additional consultation and coordination outside of the scope of work, as requested by LARPD or others. This may include additional meetings with LARPD and / or City agencies.
- Excludes exterior signage design including but not limited to entry signage or way finding signage.
- Excludes electrical engineering & site lighting design.
- Excludes design options or incorporating additional rounds of comments, beyond what is listed in this proposal.
- This scope of work and cost proposal is conditioned on use of O’Dell Engineering standard contract terms.

Note:

- a. Civil Engineers & Landscape architects are licensed by the State of California.
- b. Costs are subject to adjustment after March 31, 2021

Schedule:

- a. To be determined by the L.A.R.P.D.

EXHIBIT A



FEE SCHEDULE

<u>Classification:</u>	<u>Regular Hourly Rate:</u>
Principal	\$215
Senior Civil Engineer	\$185
Senior Engineer 2	\$175
Senior Engineer 1	\$165
Engineer 2	\$155
Engineer 1	\$145
Assistant Engineer 2	\$125
Assistant Engineer 1	\$110
Senior Landscape Architect 2	\$170
Senior Landscape Architect 1	\$162
Senior Landscape Architect	\$155
Landscape Architect 2	\$144
Landscape Architect 1	\$132
Landscape Designer 2	\$121
Landscape Designer 1	\$115
Planner	\$155
Assistant Planner	\$125
Dry Utility Project Manager 2	\$150
Dry Utility Project Manager 1	\$135
Utility Engineer	\$121
CADD Operator 2	\$95
CADD Operator 1	\$80
Senior Land Surveyor	\$180
Senior Surveyor 2	\$165
Senior Surveyor 1	\$150
Surveyor 2	\$135
Surveyor 1	\$125
Assistant Surveyor 2	\$110
Assistant Surveyor 1	\$100
Survey Crew 2-man/1-man	\$280/\$160
Survey Crew 2-man/1-man (Prevailing Wage)	\$330/\$180
Administrative	\$90

Outside Services & Reproduction:

Actual cost plus 10%

Cost of services and expenses charged to O'Dell Engineering by outside consultants, commercial printers, and professional or technical firms engaged in connection with the project.

Travel:

Actual cost plus 10%

Mileage, per diem, and subsistence are not normally charged to the client unless specific Prior authorization is negotiated between client and consultant.