



October 11, 2022

Brendan Byrd, PE

Public Works Director/City Engineer

City of Fortuna

180 Dinsmore Drive

Fortuna, CA 95540

RE: Civil Design for the Newburg Park Expansion and Additions in Fortuna, California.

Dear Brendan,

At your request, Ontiveros & Associates, Inc., (O&A) has assembled a proposal to provide Civil Design services for the Newburg Park Expansion and Additions in Fortuna, California. The area of interest is as defined in the draft topo limits provided by the city, which is approximately everything east of the existing ballfields. The basis of the design is the drawing prepared by Erin Ponte titled 'NEWBURG PARK conceptual design_FINAL.pdf'.

The Scope of Work is as outlined below:

1) CIVIL DESIGN/PLANS

- a) Construction Documents –Develop Construction Documents as required for the City of Fortuna Building and Public Works Department in accordance with Local and State Codes. Plans shall be delivered at 30%, 60%, 90% design stages and shall consist of the following:
 - i) Demolition Plan showing existing features to be removed, if required.
 - ii) Civil Site Plan, based on the conceptual plan prepared by Erin Ponte.
 - iii) Grading Plan showing elevations/grades for the hardscape surfaces, drainage facilities and new soccer fields.
 - iv) Utility Plans for New Building (water/sewer/drainage/lighting/electrical) showing connections to existing utility services.
 - (1) Lighting and electrical designs are not provided by O&A. Lighting/Electrical services will be designed by an Electrical Engineer under separate contract with the City. Information from the electrical design will be incorporated into the plans as they are available.
 - v) Drainage / LID Plan showing required improvements from the Drainage / LID Design. See item #2.
 - vi) Irrigation Piping Plan
 - (1) O&A will coordinate with park staff to determine layout of existing irrigation piping within the project area and coordinate with the landscape architect to develop a new irrigation piping plan.
 - vii) Typical Site Details.
 - viii) Prepare Technical Specifications in coordination with the landscape architect.

- b) SERVICES NOT INCLUDED in FEE
 - i) Hazardous Materials Site Survey
 - ii) Environmental Reports (Biological, Wetland, etc.)
 - iii) Soils Report
 - iv) Construction Staking
 - v) Construction Administration (including Inspections, Submittals and RFI's).

2) DRAINAGE / LID DESIGN

- a) Preparation of an LID design for the proposed parking area will be based on the "Humboldt Low Impact Development Stormwater Manual," v3.0 (August 18, 2021) and the City's MS4 permit requirements.
 - i) Since this project will create or replace > 5000sf of impervious surface it will be classified as a "Regulated Project," requiring that a stormwater control plan (SCP) be prepared.
- b) The existing drainage system on the north and east sides of the park will be reviewed and re-routed as appropriate to allow for new park infrastructure. This may require a new outlet to the creek.
- c) The design of the soccer fields will incorporate a below grade field drainage system and surface soil improvements. The field drainage system will connect to the site's new drainage system.

3) OPINION OF PROBABLE COST

- a) Prepare an opinion of probable cost at 30% and 90% design stages including project quantities.

4) LANDSCAPE DESIGN

- a) O&A will sub-contract with Ponte Landscape Architecture (PLA) to provide a Landscape Design Plan. PLA's scope of work will specifically include the following:
 - i) Prepare landscape construction drawings and specifications suitable for competitive bidding and completion of work by a qualified contractor. Construction Documents will be prepared by a Professional Landscape Architect registered in the state of California.
 - ii) Finalize details for site amenities, signage, seating, hardscape, irrigation, planting, and soil preparation.
 - iii) Develop irrigation layout plan, schedule and details for proposed soccer fields and landscaping. Finalize irrigation water calculations, valve vault sizing, design of soil retaining structures, and drainage for coordination with Civil consultant, if needed.
 - iv) Finalize hydration station & hose bib requirements for coordination with Plumbing consultant, if needed.
 - v) Finalize coordination with Architectural components such as restroom and snack shack finishes.
 - vi) Develop outline specifications for site amenities, landscape structures, hardscape, irrigation, planting, and soil preparation.
 - vii) Deliver opinion of construction cost.
 - viii) Attend design coordination meetings as needed.

5) BATHROOM AND SNACK SHACK

- a) In coordination with City Staff & PLA, O&A will research, size and specify the prefabricated structures for the snack shack and the bathroom. O&A will include these building(s) on the civil design plan and show all points of utility connections.

- b) SERVICES NOT INCLUDED in FEE
 - i) Architectural design and drafting of the structures.
 - ii) Structural design and drafting of the structures.
 - iii) MEP design and drafting of the structures.

6) EXPENSES

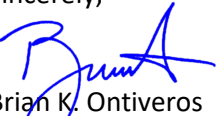
- a) Expenses will be billed on a time and materials basis as noted in our fee schedule (i.e. prints, copies, etc).

Our proposal is to complete the Scope of Work on a Time & Materials Basis with estimated costs as noted below for each of the line items shown above:

1) CIVIL DESIGN/PLANS	\$45,000
2) DRAINAGE / LID DESIGN	\$27,500
3) OPINION OF PROBABLE COST	\$3,500
4) LANDSCAPE DESIGN	\$11,000
5) BATHROOM AND SNACK SHACK	\$5,000
6) EXPENSES	<u>\$500</u>
Total	\$92,500 (not to exceed)

Our desire is for this project to succeed and to be a team player in making that happen. Therefore, please don't hesitate to let us know if you have any questions regarding this proposal.

Sincerely,



Brian K. Ontiveros
Civil Engineer – C55968