

**WORK ASSIGNMENT NO. 2016-4 PURSUANT TO  
THE JUNE 28, 2016 AGREEMENT BETWEEN THE  
CITY OF VENICE, FLORIDA AND  
ARDURRA GROUP, INC. (fka KING ENGINEERING ASSOCIATES, INC.)**

WHEREAS, on June 28, 2016, the City of Venice, Florida ("OWNER") and Ardurra Group, Inc. (fka King Engineering Associates, Inc.) ("CONSULTANT"), entered into an Agreement whereby the CONSULTANT would perform professional services for the OWNER pursuant to an executed Work Assignment; and

WHEREAS, the OWNER and CONSULTANT agreed to extend the Agreement for an additional year on June 25, 2019; and

WHEREAS, the OWNER wishes to authorize the CONSULTANT to perform professional services concerning the "Capri Isles Water Services Replacement Project" as more particularly described in the Scope of Services herein; and

WHEREAS, the CONSULTANT wishes to perform such professional services,

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the June 28, 2016 Agreement and this Work Assignment, the parties agree as follows:

1. General description of the project: CONSULTANT will provide design, permitting and construction services for the replacement of water services and a new water main.
2. Scope of services to be performed. CONSULTANT shall perform the services described in the Scope of Services attached hereto as Attachment "A".
3. Compensation to be paid. OWNER shall pay the CONSULTANT the not-to-exceed sum of one hundred ninety-eight thousand, six hundred twenty-four dollars and zero cents (\$198,624.00) for performance of the professional services specified in this work assignment.
4. Time for completion. CONSULTANT shall complete the professional design services specified in this work assignment within one hundred fifty (150) days from the date of this work assignment, permitting services within one hundred eighty (180) days from the date of this work assignment, and will provide the bidding and construction phase services in accordance with the construction schedule to be determined by OWNER.
5. The terms and conditions of the June 28, 2016, Agreement shall remain in full force and effect until the completion of this Work Assignment.

IN WITNESS WHEREOF, the parties have executed this work assignment on the \_\_\_\_ day of \_\_\_\_, 2020.

**ARDURRA GROUP, INC.**

**CITY OF VENICE, FLORIDA**

**ATTEST:**

**By:**

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Ron Feinsod, Mayor

**Attachment A**  
**SCOPE OF SERVICES**

**Ardurra Group, Inc.**  
**Work Assignment No. 2016-4**  
**Capri Isles Water Services Replacement Project**

**Background**

The OWNER has identified potable water main improvement projects in the Capri Isles area aimed at reducing leaks and improving system reliability. Specifically, the projects will entail replacing water services from the water main to the existing meter, including the service saddle at the following locations:

1. Estancias of Capri Isle (15 services): Services will be replaced from the meter back to the main and a new service saddle will be installed on the main. Backflow preventers will be relocated from their current locations to just behind the meter. Where backflow preventers cannot be relocated, a waiver will be obtained from the property owner requiring the property owner to maintain the service line between the meter and the backflow preventer.
2. Fairways of Capri (154 services): New single or double services will be installed from the existing meters to the mains and new service saddles will be installed on the main. Existing service lines, manifolds and service saddles will be abandoned. The contractor will be required to pothole the existing service lines to determine the locations of the manifolds and then pothole from the manifolds back to the mains in order to remove the existing service saddles and install a repair clamps on the main.
3. Carlentini Subdivision: (Strada D Oro/Strada D Argento – 75 services): Services will be replaced from the meter back to the main and a new service saddle will be installed on the main.

As part of the project, the Owner would also include installation of an autoflusher on the dead end 6-inch potable water main along Featherbed Lane. This will be accomplished by extending the main into the median along the recreation center parking spots, installing a fire hydrant and installing the autoflusher on the hydrant.

This Work Assignment authorizes Ardurra Group, Inc. (CONSULTANT) to provide design, permitting, bidding and construction management services for the replacement of the water services and water main described above.

**Scope of Services:**

**Task 1 – Design Project Management and Meetings**

CONSULTANT will provide the following services, extending throughout the duration of the project design:

- 1.1 Coordinate the activities and communications of the CONSULTANT's staff and subconsultants with those of the OWNER.
- 1.2 Develop and maintain the project design schedule.
- 1.3 Meet with the OWNER at a kickoff meeting and up to two (2) additional times at the 50% and 100% design completion levels. CONSULTANT will prepare meeting minutes following each meeting.
- 1.4 Initiate and execute a Quality Control process.

## **Task 2- Water Service Routes**

CONSULTANT will visit each of the 244 properties in Capri Isles where service replacements will take place to verify the existing meter and backflow preventer locations. Existing meter, backflow prevention device, proposed service routes and restoration items will be recorded with hand-held GPS equipment and uploaded to a GIS application database and processed to establish restoration item quantities. Lots with irrigation services will be identified using OWNER provided billing data.

Data collected will be uploaded and stored in a GIS database, accessible via the ArdurraSMART custom enterprise application viewable on ArcGIS Online or a local network, allowing anyone with access to view the status and relevant information about a property by clicking on it on a live platform. Custom dashboards will be created in order to monitor the progress of the service replacements.

## **Task 3 – Design**

### **Task 3.1 – Determine Existing Utilities**

CONSULTANT will perform a determination of existing utilities in the construction area. CONSULTANT will call in a Florida One Call Design Ticket and send draft plans to the affected utilities to obtain the location of their existing facilities.

### **Task 3.2 - Drawings**

CONSULTANT will develop design drawings for use in obtaining bids, permitting and constructing the project. Drawings sheets are anticipated to include:

- Cover
- Notes, Legend and Abbreviations
- General Notes
- New Service Lot Map
- Meter and Service Exchange Sheets (3)
- Overall Project Site Plan and Key Map
- Proposed New Water Services – Estancias (4 panels)
- Proposed New Water Services – Fairways (9 panels)
- Proposed New Water Services – Carlentini (7 panels)
- Details, including applicable OWNER standard utility details (5 sheets)

Drawings will be developed in AutoCAD and will be similar in detail and approach and those developed for the Water Main Replacement Phase 6 project. Drawings will be half-size (11" x 17")

sheets). Water main plans will be at 1"= 30' scale, plan view only and will include new mains, new service lines, and meter and backflow locations. Property lines will be shown based on the Sarasota County Property Appraiser's maps and, as such, will be approximate. Aerials will be Google aerials.

### **Task 3.3 Specifications**

CONSULTANT will develop technical specifications (Divisions 1 and higher) for the project including a Bid Form. It is assumed that the Technical Specifications will be those developed for Phase 6 of the Water Main replacement Program with minor modifications. The OWNER will provide its standard Division 0 front end documents.

The Technical Specifications will include a Sequence of Construction section providing the contractor with guidelines for implementation of the project. The Sequence of Construction will be developed in collaboration with the OWNER.

### **Task 3.4 Review Submittals**

Drawings and specifications will be submitted for the OWNER's review at the 50% and 100% completions levels. A meeting with the OWNER will be held after each submittal to review the OWNER's comments.

### **Task 3.5 Opinions of Probable Construction Cost**

CONSULTANT will develop an opinion of probable construction cost for the project at the 50%, and 100% completion levels. The 50% opinion will be a Class 2 cost estimate and the 100% opinion will be a Class 1 cost estimate as defined by American Association of Cost Engineer's (AACE). The 100% opinion will be summarized in the same format as the Bid Form.

## **Task 4 – Bid Services**

CONSULTANT will provide the following services during advertisement and bidding of the project by the OWNER:

- Prepare for, attend and conduct a Pre-Bid Conference to meet with prospective bidders and discuss the project.
- Provide written clarifications and prepare Addenda responding to questions raised at the pre-bid meeting and sent in by bidders.
- Review the bids, develop a Bid Tabulation spreadsheet, call the low bidder's references and submit a recommendation of award.

## **Task 5 – Construction Management**

CONSULTANT will provide construction management and engineering services over an anticipated six month (26 week) construction contract. Specific services will include:

- 5.1 Prepare for, attend and moderate a preconstruction meeting with the contractor, OWNER and affected utility representatives. CONSULTANT will prepare meeting minutes.

- 5.2 Logging and reviewing the contractor's submittals. Fees assume a maximum total of twenty (15) shop drawings. Of the fifteen, 8 will be resubmitted for a second review. The specifications will require that the Contractor pay for three or more reviews. It is assumed that the Contractor will submit Shop Drawings electronically. A preliminary list of anticipated submittals is provided in Table 1.
- 5.3 Reviewing the Contractor's initial schedule and monthly schedule updates.
- 5.4 Attendance at and moderation of up to six (6) construction progress meetings/site visits by CONSULTANT's Project Manager and/or Project Engineer. CONSULTANT will prepare and distribute an agenda and minutes.
- 5.5 Providing site visits by CONSULTANT's Project Engineer to observe the progress of the work, address questions raised during construction and observe pressure testing. A total of 16 hours is budgeted for this effort.
- 5.6 Responding to the Contractor's Requests for Information (RFIs). For the purposes of this Work Assignment, a total of 5 RFIs is assumed.
- 5.7 Assisting the OWNER with preparing and issuing up to two (2) Interim Field Change Agreements (IFCAs) and with reviewing the resulting proposals and negotiating and preparing one (1) Change Order.
- 5.8 Reviewing and approving the Contractor's Pay Applications (6).
- 5.9 Preparing AutoCAD Record Drawings based on surveyed As-Builts provided by the Contractor. Record Drawings will not be prepared for the new water services, however the Contractor will be required to provide surveyed As-built GIS coordinates on all service taps.
- 5.10 Performing a Substantial Completion walkthrough and developing a punchlist;
- 5.11 Providing general Program Management during construction including:
  - o Maintaining routine contact and discussing construction progress and project developments with the OWNER's inspector;
  - o Reviewing the Field Representative's Daily Reports;
  - o Miscellaneous phone calls and emails and coordination with the OWNER's Project Manager and other OWNER staff, including assisting the OWNER's Project Manager with miscellaneous minor project related questions and general consultation with respect to the Contractor's contractual obligations;
  - o Miscellaneous phone calls and emails with the Contractor's staff required to respond to minor questions not requiring formal RFIs;
  - o Document control including maintaining files of correspondence, meeting minutes, Contract Documents, Change Orders, Field Orders, RFIs, Work Change Directives, Addenda, additional Drawings issued subsequent to the execution of the Contract, progress reports, Shop Drawing and Sample submittals, regulatory correspondence and other Project-related documents.
  - o Maintaining the project's GIS application showing the progress of the work.

## **Task 6 – Construction Observation**

CONSULTANT will provide an average of 12 hours per week of construction observation services over an assumed 20 week active field construction period (240 hours) to observe that the work is proceeding in general conformance with the Contract Documents.

## **Task 7 - Public Outreach**

- 7.1 CONSULTANT will hire a specialist to meet individually with the Estancia of Capri Isles Condominium Association, Inc., the Fairways of Capri Condominium Association, Inc.- Phases 1, 2, and 3, and the Carlentini Subdivision of Capri Isles Homeowners Association, Inc. to describe the project, obtain their feedback and obtain three signed agreements for work in common areas.
- 7.2 Following these meetings, CONSULTANT will conduct, with appropriate coordination with City staff, one combined public outreach meeting for the residents/Homeowner Associations of all three areas. The public meeting will be held at a time deemed appropriate by the City and at a location selected by the City. This effort will include:
- Identifying details of the meeting – date, time, location;
  - Develop a separate letter to residents providing details of the public meeting. Mail letters no later than one week prior to actual meeting and obtain a “Certificate of Mailing” from the post office;
  - Develop display boards, a PowerPoint presentation, handouts (FAQ sheet, Comment Form, Sign-In Sheet) and directional signage;
  - Attend and moderate the meeting.
  - Provide residents with contact information should they have additional questions.
- 7.3 CONSULTANT’S specialist will make herself available to respond to individual questions from residents or the Homeowner’s Associations.
- 7.4 Where backflow prevention devices cannot be relocated to the right-of-way line in Estancias of Capri Isle, CONSULTANT and its specialist will attend and moderate one meeting with the Homeowners’ Association and affected property Owners to explain the waiver transferring maintenance requirements between the meter and backflow prevention device to the property owner. The City will provide the standard waiver template. CONSULTANT’s specialist will work directly with up to 15 property owners to obtain signed waivers.

## **Deliverables**

- Four (4) half-size color drawing sets, technical specifications and an Opinion of Probable Construction cost at the 50% completion level. The submittal will also be provided in PDF format by email or FTP site.
- Four (4) half-size color drawing sets, technical specifications and an Opinion of Probable Construction cost at the 100% completion level. The submittal will also be provided in PDF format by email or FTP site.

- Four (4) half-size signed and sealed color copies of the Bid Document drawings along with a CD containing the drawings in PDF and AutoCAD format, the technical specifications in PDF format, the final Engineer's Opinion of Probable Construction Cost in PDF format and the Bid Form in Word format.

## Compensation

The proposal fee for the above Tasks 1 through 5 will be charged as a Lump Sum and will be invoiced monthly based on percentage completion of each task. Compensation for Tasks 6 and 7 will be on a Time and Expense basis, with the Not-to-Exceed budget defined below.

This Work Assignment includes an Owner's Allowance of \$10,000 for unforeseen tasks required to complete the project, which will be used only with the written approval of the OWNER. A scope description and fee breakdown will be provided to the OWNER for any proposed use of the Owner's Allowance.

| Fee Proposal |                                  |       |                  |
|--------------|----------------------------------|-------|------------------|
| Task         | Description                      | Basis | Fee              |
| 1            | Project Management & Meetings    | LS    | \$11,600         |
| 2            | Water Service Routes             | LS    | \$14,848         |
| 3            | Design                           | LS    | \$48,578         |
| 4            | Bid Services                     | LS    | \$5,848          |
| 5            | Construction Management Services | LS    | \$43,117         |
| 6            | Construction Observation         | TM    | \$25,825         |
| 7            | Public Outreach                  | TM    | \$38,808         |
|              | Owner's Allowance                |       | \$10,000         |
|              | <b>Total</b>                     |       | <b>\$198,624</b> |

## Time of Completion

The project schedule is outlined below. The schedule provides time from start to completion of each task in calendar days from notice to proceed. The notice to proceed will be effective the date this Work Assignment is approved by the OWNER.

| <b>Project Schedule</b><br><b>(Calendar Days from Date of Work Assignment)</b> |                                   |                           |                 |
|--|-----------------------------------|---------------------------|-----------------|
| <b>Task</b>  | <b>Description</b>                | <b>Start</b>              | <b>Complete</b> |
| 1  | Design Project Management         | 0                         | 150             |
| 2  | Field Investigations              | 0                         | 60              |
| 3  | Design                            | 0                         | 150             |
| 4  | Permitting                        | 150                       | 180             |
| 5  | Bidding Services                  | Per OWNER Schedule        |                 |
| 6  | Construction Phase Services       | 180 days from NTP         |                 |
| 7  | Construction Observation Services | Per Construction Schedule |                 |
| 8  | Public Outreach                   | Duration of Project       |                 |

## Assumptions

- Individual agreements to work on private property are not required.
- The project is assumed to be maintenance and does not require Health Department permitting.
- The OWNER will distribute the Bid Documents and Addenda and will prepare and execute final Agreements, Contract Documents and insurance/bonding documentation with the selected low bidder.
- The Contractor will be responsible for obtaining all Building Department permits and inspections.
- OWNER will provide inspection services to supplement those provided by the CONSULTANT.



**Table 1**

**Preliminary List of Contractor's Submittals**

|    |                               |
|----|-------------------------------|
| 1  | Emergency Contacts and Misc.  |
| 2  | Hurricane Preparedness Plan   |
| 3  | Construction Phasing Plan     |
| 4  | Schedule of Values            |
| 5  | Pre-Construction Video        |
| 6  | Maintenance of Traffic        |
| 7  | Dewatering Plan               |
| 8  | Erosion Control               |
| 9  | Asphalt Restoration Materials |
| 10 | Concrete                      |
| 11 | PVC Pipe and Fittings         |
| 12 | Water Services                |
| 13 | Valves and Appurtenances      |
| 14 | Hydrants                      |
| 15 | Sod                           |

**ATTACHMENT B**  
**CITY OF VENICE CAPRI ISLES WATER SERVICES REPLACEMENT PROJECT**  
**FEE SCHEDULE**

| Task                                      |  | Rate, \$/Hr | Labor Hours |                    |                        |            |            |                   |                     |                | Budget      |       |         |          |          |            |
|---|--|-------------|-------------|--------------------|------------------------|------------|------------|-------------------|---------------------|----------------|-------------|-------|---------|----------|----------|------------|
|   |  |             | Principal   | Project Manager 14 | Engineer 10 Surveyor 5 | Engineer 3 | Designer 5 | Survey Crew 3 Man | Field Coordinator 8 | Tech Support 3 | Total Hours | Labor | Subs    | Expenses | Subtotal | Task Total |
|   |  |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          |            |
| 1   | Design Project Management and Meetings       |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          | \$11,600   |
| 1.1                                       | Coordination (5 mo)                          |             | 20          |                    |                        |            |            |                   |                     | 20             |             |       |         | \$4,060  |          |            |
| 1.2                                       | Schedule                                     |             | 4           |                    |                        |            |            |                   |                     | 4              |             |       |         | \$812    |          |            |
| 1.3                                       | Document Control                             |             |             |                    |                        |            |            |                   | 8                   | 8              |             |       |         | \$640    |          |            |
| 1.4                                       | Kickoff Meeting                              |             | 4           | 6                  |                        |            |            |                   |                     | 10             |             |       |         | \$1,772  | \$30     | \$1,802    |
|   | Review Meetings (2)                          |             | 6           |                    | 12                     |            |            |                   |                     | 18             |             |       |         | \$2,370  | \$60     | \$2,430    |
| 1.5                                       | Internal QA/QC                               | 8           |             |                    |                        |            |            |                   |                     | 8              |             |       |         | \$1,856  |          | \$1,856    |
| 2   | Water Service Routes                         |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          | \$14,848   |
| 2.1                                       | Water Service Routes (244 routes)            |             |             | 28                 | 84                     | 24         |            |                   |                     | 136            |             |       |         | \$14,848 |          | \$14,848   |
| 3   | Design                                       |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          | \$48,578   |
| 3.1                                       | Determine Existing Utilities                 |             |             | 8                  | 8                      |            |            |                   | 4                   | 20             |             |       |         | \$2,368  |          | \$2,368    |
| 3.2                                       | Drawings                                     |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          |            |
|   | Cover, Notes, Legend and Abbreviations       |             |             | 1                  | 1                      | 2          |            |                   |                     | 4              |             |       |         | \$448    |          | \$448      |
|   | New Service Lot Map                          |             |             |                    | 2                      | 2          |            |                   |                     | 4              |             |       |         | \$384    |          | \$384      |
|   | Meter and Service Exchange Sheets            |             |             | 8                  | 8                      |            |            |                   |                     | 16             |             |       |         | \$2,048  |          | \$2,048    |
|   | Overall Site Plan and Key Map                |             |             | 1                  |                        | 2          |            |                   |                     | 3              |             |       |         | \$352    |          | \$352      |
|   | New Service Plans (20)                       |             | 8           | 12                 | 32                     | 240        |            |                   |                     | 292            |             |       |         | \$29,656 |          | \$29,656   |
|   | Detail Sheets                                |             | 0.5         | 1                  |                        | 1          |            |                   |                     | 2.5            |             |       |         | \$358    |          | \$358      |
| 3.3                                       | Technical Specifications and Bid Form        |             | 4           | 8                  | 16                     |            |            |                   |                     | 28             |             |       |         | \$3,628  |          | \$3,628    |
|   | Sequence of Construction                     |             | 8           |                    |                        |            |            |                   |                     | 8              |             |       |         | \$1,624  |          | \$1,624    |
| 3.4                                       | Review Submittals                            |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          |            |
|   | 50%  |             |             |                    | 1                      | 1          |            |                   | 2                   | 4              |             |       |         | \$352    | \$350    | \$702      |
|   | 100%   |             |             |                    | 1                      | 1          |            |                   | 2                   | 4              |             |       |         | \$352    | \$350    | \$702      |
|   | Bid Documents                                |             | 2           |                    | 1                      | 1          |            |                   | 2                   | 6              |             |       |         | \$758    | \$350    | \$1,108    |
| 3.5                                       | Opinions of Probable Cost                    |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          |            |
|   | Quantities Spreadsheet                       |             |             |                    | 16                     |            |            |                   | 4                   | 20             |             |       |         | \$1,856  |          | \$1,856    |
|   | 50%  |             | 1           | 4                  | 12                     |            |            |                   |                     | 17             |             |       |         | \$1,995  |          | \$1,995    |
|   | 100%   |             | 0.5         | 3                  | 8                      |            |            |                   |                     | 11.5           |             |       |         | \$1,350  |          | \$1,350    |
| 4   | Bid Services                                 |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          | \$5,848    |
|   | Prebid Meeting                               |             | 4           | 6                  |                        |            |            |                   |                     | 10             |             |       |         | \$1,772  |          | \$1,772    |
|   | Addenda                                      |             | 2           | 8                  |                        | 4          |            |                   | 2                   | 16             |             |       |         | \$2,230  |          | \$2,230    |
|   | Bid Evaluation                               |             | 2           | 8                  |                        |            |            |                   | 2                   | 12             |             |       |         | \$1,846  |          | \$1,846    |
| Subtotal - Design, Permitting and Bidding |  |             |             |                    |                        |            |            |                   |                     |                | \$79,734    | \$0   | \$1,140 | \$80,874 | \$80,874 |            |
| 5   | Construction Management                      |             |             |                    |                        |            |            |                   |                     |                |             |       |         |          |          | \$43,117   |
| 5.1                                       | Preconstruction Meeting                      |             | 6           |                    | 10                     |            |            | 3                 |                     | 19             |             |       |         | \$2,499  |          | \$2,499    |
| 5.2                                       | Shop Drawing Review (15+8)                   |             | 8           | 16                 | 32                     |            |            |                   | 24                  | 80             |             |       |         | \$9,176  | \$150    | \$9,326    |
| 5.3                                       | Schedule Reviews (6)                         |             | 8           | 12                 |                        |            |            |                   |                     | 20             |             |       |         | \$3,544  |          | \$3,544    |
| 5.4                                       | Progress Meetings (6)                        |             | 20          |                    | 32                     |            |            |                   |                     | 52             |             |       |         | \$7,132  | \$160    | \$7,292    |
| 5.5                                       | Site Visits                                  |             |             |                    | 16                     |            |            |                   |                     | 16             |             |       |         | \$1,536  | \$125    | \$1,661    |
| 5.6                                       | RFIs (5)                                     |             | 2           | 4                  | 12                     | 4          |            |                   | 8                   | 30             |             |       |         | \$3,222  |          | \$3,222    |
| 5.7                                       | Preparing IFCAs (2)                          |             | 2           |                    | 8                      |            |            |                   |                     | 10             |             |       |         | \$1,174  |          | \$1,174    |
| 5.7                                       | Change Orders (1)                            |             | 1           |                    | 4                      |            |            |                   | 2                   | 7              |             |       |         | \$747    |          | \$747      |
| 5.8                                       | Pay Applications (6)                         |             | 2           |                    | 12                     |            |            |                   |                     | 14             |             |       |         | \$1,558  |          | \$1,558    |
| 5.9                                       | Record Drawings                              |             | 1           |                    | 2                      | 4          |            |                   |                     | 7              |             |       |         | \$779    | \$150    | \$929      |
| 5.10                                      | Substantial Completion walkthrough/punchlist |             | 8           |                    | 16                     |            |            |                   |                     | 24             |             |       |         | \$3,160  | \$40     | \$3,200    |
| 5.11                                      | General Construction Management (26 wks)     |             | 12          | 8                  | 24                     |            |            |                   | 24                  | 68             |             |       |         | \$7,940  |          | \$7,940    |
| Subtotal - Construction Management        |  |             |             |                    |                        |            |            |                   |                     |                | \$42,467    | \$0   | \$650   | \$43,117 | \$43,117 |            |

ATTACHMENT B  
CITY OF VENICE CAPRI ISLES WATER SERVICES REPLACEMENT PROJECT  
FEE SCHEDULE

|  |  | Labor Hours |                    |                        |            |            |                   |                     |                |             | Budget    |          |          |           |            |
|--|--|-------------|--------------------|------------------------|------------|------------|-------------------|---------------------|----------------|-------------|-----------|----------|----------|-----------|------------|
| Rate, \$/Hr  |  | Principal   | Project Manager 14 | Engineer 10 Surveyor 5 | Engineer 3 | Designer 5 | Survey Crew 3 Man | Field Coordinator 8 | Tech Support 3 | Total Hours | Labor     | Subs     | Expenses | Subtotal  | Task Total |
| 6  | Construction Observation               |             |                    |                        |            |            |                   |                     |                |             |           |          |          |           |            |
|  | Construction Observation               |             |                    |                        |            |            |                   | 240                 |                | 240         | \$25,680  |          | \$145    | \$25,825  | \$25,825   |
| Subtotal - Construction Observation                  |  |             |                    |                        |            |            |                   |                     |                |             | \$25,680  | \$0      | \$145    | \$25,825  | \$25,825   |
| Subtotal - Design, Bidding and Construction Services |  |             |                    |                        |            |            |                   |                     |                |             | \$147,881 | \$0      | \$1,935  | \$149,816 | \$149,816  |
| Additional Services                                  |  |             |                    |                        |            |            |                   |                     |                |             |           |          |          |           |            |
| 7  | Public Outreach                        |             |                    |                        |            |            |                   |                     |                |             |           |          |          |           | \$38,808   |
| 8.1  | Meet with Homeowners Assoc./Agreements |             |                    |                        |            |            |                   |                     |                | 0           | \$0       | \$5,100  |          | \$5,100   |            |
| 8.2  | Public Meeting                         |             | 8                  |                        | 16         | 8          |                   |                     | 8              | 40          | \$4,568   | \$15,000 | \$500    | \$20,068  |            |
| 8.3  | Respond to/meet with Homeowners        |             |                    |                        |            |            |                   |                     |                | 0           | \$0       | \$5,000  |          | \$5,000   |            |
| 8.4  | Obtain waivers (15)                    |             |                    | 4                      |            |            |                   |                     |                | 4           | \$640     | \$8,000  |          | \$8,640   |            |
| Subtotal - Public Outreach                           |  |             |                    |                        |            |            |                   |                     |                |             | \$5,208   | \$33,100 | \$500    | \$38,808  | \$38,808   |
| 8  | Owner's Allowance                      |             |                    |                        |            |            |                   |                     |                |             |           |          |          |           | \$10,000   |
| Grand Total  |  |             |                    |                        |            |            |                   |                     |                |             | \$153,089 | \$33,100 | \$2,435  | \$188,624 | \$198,624  |