



November 10, 2016

To: All Bidders

Subject: **ADDENDUM NO.2** VILLAGE POND PARK  
IMPROVEMENT PROJECT (PW 2015.26)

**Mayor**  
Andrew Hamilton

**Mayor Pro Tem**  
Scott Voigts

**Council Members**  
Dr. Jim Gardner  
Adam Nick  
Dwight Robinson

**City Manager**  
Robert C. Dunek

This Addendum forms a part of the Contract Documents for the above-identified project and modifies the original Specifications and Contract Documents, as noted below. Portions of the Contract not specifically mentioned in the Addendum remain in force. All trades affected shall be fully advised of these changes, deletions, and additions.

The changes made under this Addendum of the Contract Documents, Specifications, Special Provisions, and Plans for the City of Lake Forest, Village Pond Park Improvement Project (PW 2015.26) are as follows:

1. Revised Plans & Specification Pages - This addenda shall replace the following plan and specification pages with the attached plans & specification pages dated 11/10/16 and marked (**REVISED PER ADDENDA No. 2**).
  - a. Improvement Plan Pages L-3, L-4, L-9, L-17, L-18 and L-19
  - b. Specification Section 00400 Bid Form
  - c. Specification Section 07500 Special Provisions
    - i. Subsection 9 - Measurement and Payment Procedures
2. Added Specification Pages - This addenda add the following specification pages dated 11/10/16 and marked (**REVISED PER ADDENDA No. 2**) to the contract specifications.
  - a. Specification Section 00800 Technical Specifications
    - i. Section 329600 - Transplanting
3. The attached response to contractor Requests for Information and associated exhibits, with regard to the project shall be incorporated into the project contract documents.

**END OF ADDENDUM NO. 2**





**Addenda 2**  
**Revisions to Village Pond Park Improvement Project Specifications**  
**SECTION 00400**  
**BID FORM**

NAME OF BIDDER: \_\_\_\_\_

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

***Village Pond Park Improvements***

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project for the following TOTAL BID PRICE:

<b>PART A – Site Work</b>					
<b>NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>EST. QTY.</b>	<b>UNIT PRICE</b>	<b>ITEM COST</b>
1.	Mobilization/Demobilization (Not to Exceed 5% of Total Contract Price)	LS	1		
2.	Clearing and Grubbing with removal of concrete lake edge walkway and salvage of trees/plaques/bases marked to be relocated (Trees boxed and stored on-site)	LS	1		
3.	SWPPP /Stormwater Pollution Prevention & Erosion Control / BMPs	LS	1		
4.	Site grading/ earthwork (Est. 3,600 CY)	LS	1		
5	Export (Est. 280 CY)	LS	1		
<b>PART B – Site Amenities</b>					
<b>NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>EST. QTY.</b>	<b>UNIT PRICE</b>	<b>ITEM COST</b>
6.	Concrete paving- walkway	SF	21,537		
7.	Concrete paving- enhanced	SF	6,015		
8.	Construct PCC Commercial Driveway Approach	EA	1		

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NO.	ITEM DESCRIPTION	UNITS	EST. QTY.	UNIT PRICE	ITEM COST
9.	Concrete curb and gutter	LF	22		
10.	3" thick decomposed granite layer	SF	1,728		
11.	Concrete mowstrip	LF	1,334		
12.	Concrete banding	LF	1,092		
13.	Recycled plastic header board	LF	648		
14.	Overhead structure	EA	1		
15.	Rail fencing	LF	375		
16.	Lighting and electrical system	LS	1		
17.	Picnic table concrete paving	SF	2,045		
18.	Prefabricated bridge- 30' long incl. abutments	LS	1		
19.	Pedestrian bridge- incl. abutments with contractor paid for and provided structural calculations	LS	1		
20.	Boulders and GFRC boulders	LS	1		
21.	Monument sign logo replacement	EA	1		
22.	2' square pilaster	EA	14		
23.	Memorial plaque relocation with boulders	LS	1		
24.	Retaining wall	SF	740		
25.	Guard rail	LF	165		
<b>PART C – Site Furniture</b>					
NO.	ITEM DESCRIPTION	UNITS	EST. QTY.	UNIT PRICE	ITEM COST
26.	Interpretive signage	LS	1		
27.	Drinking fountain	EA	1		
28.	Trash receptacle	EA	6		

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<b>NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>EST. QTY.</b>	<b>UNIT PRICE</b>	<b>ITEM COST</b>
29.	Thematic bench	EA	3		
30.	Bench	EA	14		
31.	Picnic table- standard (PT1)	EA	10		
32.	Picnic table- ADA (PT2)	EA	2		
33.	Pet waste container	EA	2		
34.	Birdhouse	EA	5		
<b>PART D – Landscape &amp; Irrigation Improvements</b>					
<b>NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>EST. QTY.</b>	<b>UNIT PRICE</b>	<b>ITEM COST</b>
35.	Automatic irrigation system (including new tree and transplanted tree bubblers)	SF	149,133		
36.	Controller	EA	1		
37.	Soil Preparation, Weed Abatement and Fine Grading	SF	149,133		
38.	Seeded turf	SF	62,402		
39.	No-mow sodded turf	SF	12,056		
40.	3" thick mulch layer	SF	74,675		
41.	48" box tree	EA	5		
42.	36" box tree	EA	5		
43.	24" box tree	EA	77		
44.	5 gallon shrub	EA	1,066		
45.	1 gallon shrub	EA	3,491		
46.	4" pot	EA	164		

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NO.	ITEM DESCRIPTION	UNITS	EST. QTY.	UNIT PRICE	ITEM COST
47.	Plug liner	EA	1,551		
48.	Relocate and plant existing trees with addition of GPS coordinates, and memorial plaques	EA	11		
49.	90 Day Plant Establishment and Maintenance Period	LS	1		
<b>SUBTOTAL PARTS "A" THROUGH "D"</b>					
<b>DELETABLE ITEMS</b>					
<b>PART E – Lake Refurbishment</b>					
NO.	ITEM DESCRIPTION	UNITS	EST. QTY.	UNIT PRICE	ITEM COST
50.	Removal & Reconstruction of Existing Pond Overflow with connection to Storm Drain	LS	1		
51.	Pond Drainage including temporary connection to ETWD sewer & permits	LS	1		
52.	Dewatering and Disposal of Pond Sediment (Est. 2,700 CY)	LS	1		
53.	Floating island	LS	1		
54.	Floating fountains	LS	1		
55.	Filter	LS	1		
56.	Cast in-place vault pump station or pre-cast vault pump station	LS	1		
57.	Installation of new pump	LS	1		
58.	Piping (including installation of discharge & suction lines and screens)	LS	1		
59.	Salvage & Re-use of Existing Aeration	LS	1		

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NO.	ITEM DESCRIPTION	UNITS	EST. QTY.	UNIT PRICE	ITEM COST
	Equipment				
60.	Alum Addition System	LS	1		
61.	Miscellaneous pump station appurtenances (fittings, ladder, lights, etc)	LS	1		
62.	Control Panel & Electrical Installation	LS	1		
63.	Automatic Fill	LS	1		
64	Pond Liner repair	LS	1		
<b>SUBTOTAL PART "E"</b>					
<b>TOTAL BASE BID AMOUNT PARTS "A" THROUGH "E"</b>					

In case of discrepancy between the written price and the numerical price, the written piece shall prevail.

In case of discrepancy between the unit price and the item cost set forth for a unit basis item, the unit price shall prevail and, shall be utilized as the basis for determining the lowest responsive, responsible bidder. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Item Cost" column, then the amount set forth in the "Item Cost" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price. If any of the above discrepancies exist, the City may recalculate the bid price on the basis of the unit price and the bidder agrees to be bound by such recalculation. Final payment shall be determined by the Engineer from measured quantities of work performed based upon the unit price.

TOTAL BASE BID PRICE (BASED ON BID SCHEDULE - PARTS "A" through "E"):

\$ \_\_\_\_\_

Total Base Bid Price in Numbers

Total Bid Price in Written Form

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Bid Form

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

The undersigned agrees that this Bid Form constitutes a firm offer to City which cannot be withdrawn for the number of calendar days indicated in the Notice Inviting Bids from the bid opening, or until a Contract for the Work is fully executed by City and a third party, whichever is earlier.

The Contract duration shall commence on the date stated in City's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents. In no case shall the Contractor commence construction prior to the date stated in City's Notice to Proceed.

Bidder certifies that it is licensed in accordance with the law providing for the registration of Contractors, License No. \_\_\_\_\_, Expiration Date \_\_\_\_\_, class of license \_\_\_\_\_. If the bidder is a joint venture, each member of the joint venture must include the above information.

The undersigned acknowledges receipt, understanding and full consideration of the following addenda to the Contract Documents.

Addenda No. \_\_\_\_\_

Addenda No. \_\_\_\_\_

Addenda No. \_\_\_\_\_

Bidder has attached the following:

1. The required bid security in the amount of not less than 10% of the Total Bid Price.
2. The fully executed Noncollusion Declaration form.
3. The completed Designation of Subcontractors form.
4. The completed Bidder Information Form.
5. The completed Contractor's Certificate Regarding Workers' Compensation form.
6. The completed Iran Contracting Act Certification form.
7. The completed Public Works Contractor Registration Certification form.

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**BID FORM**

I hereby certify under penalty of perjury under the laws of the State of California, that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Dated \_\_\_\_\_

**END OF BID FORM**

**Addenda 2**  
**Revisions to Village Pond Park Improvement Project Specifications**  
**Special Provisions**

**9. MEASUREMENT AND PAYMENT PROCEDURES**

Procedures, processes, and methods for preparation and presentation of Applications for Payment.

**A. RELATED DOCUMENTS AND SECTIONS**

1. Agreement Form: Contract Sum.
2. General Provisions of the Contract: Amounts for Progress Payments and Final Payment, retainages and time schedule for presenting Applications for Payment.

**B. FORM**

1. Payment Application Form: Unless otherwise directed, prepare Applications for Payment using the City approved form provided by the Construction Manager.

**C. PREPARATION OF APPLICATIONS**

1. Preparation of Applications for Payment: The following requirements supplement the provisions of the General Provisions of the Contract.
  - a. Present required information typewritten on the specified forms.
  - b. Execute certification by notarized signature of authorized officer of the Contractor.
  - c. Use data from reviewed and accepted Schedule of Values.
  - d. Provide dollar value in each column of Application for each line item for portion of Work performed and for products stored, if permitted.
  - e. List each authorized Change Order as an extension on the continuation sheet, listing the Change Order number and dollar value as for an original portion of Work. No Change Orders shall be included with Application for Payment until approved in writing by Construction Manager.
2. List each Construction Change Directive as each provides for an adjustment in the Contract Sum. Include in the Application only amounts not in dispute.

**D. SUBMISSION OF APPLICATIONS FOR PAYMENT**

1. Submission of Applications for Payment: The following requirements supplement the provisions of the General Provisions of the Contract.
2. Submit one copy of each Application for Payment with original signature. Round off values to nearest dollar or as specified for the Schedule of Values.

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3. Submit an updated Construction Schedule with each Application for Payment.
4. Payment Period: Submit Applications at intervals and covering periods stated in the Agreement.
5. Application submission date may be adjusted by mutual consent of the Construction Manager and Contractor to coincide with regularly scheduled progress meetings or to accommodate holiday periods.
6. Lien Releases: Provide with each Application for Payment, lien releases from all subcontractors, workers and materials suppliers employed for the Project.
7. Lien releases shall cover portion of Work to date for which payment application is made.
8. Lien release forms will be provided by Construction Manager and shall be completed in accordance with directions provided.

**E. SUBSTANTIATING DATA**

1. Substantiating Data: Submit substantiating information, as required by Construction Manager, to substantiate dollar amounts on Application for Payment.
2. Substantiating information will normally be required only for those portions of Work whose completion state cannot be readily determined by observation of the completed Work.
3. Provide one copy of substantiating information with each copy of the Application for Payment.

**F. MEASUREMENT AND PAYMENT**

1. Summary: This section defines the bid schedule, and describes measurement and payment provisions for each of the bid items.
2. Payment for all items of the Bid Schedule whether lump sum or Unit Price shall Include all compensation to be received by the CONTRACTOR for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidental appurtenant to the items of work being described, as necessary to complete the various items of the WORK all in accordance with the requirements of the Contract Documents, and including all costs of permits and cost of compliance with the regulations of public agencies having jurisdiction, including Safety and Health Requirements of the California Division of Industrial Safety and the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA).
3. No separate payment will be made for any item that is not specifically set forth in the Bid Schedule, and all costs shall be included in the prices named in the Bid Schedule for the various appurtenant items of work and no additional compensation will be allowed therefore.

4. Payment for Unit Price work shall be made for the actual quantities of Contract Items removed, constructed, or disposed of in accordance with the Plans and these Specifications. Measurement of Unit Price work shall be as specified in SSPWC, Section 9-1 "Measurement of Quantities for Unit Price Work" or as indicated in these Specifications. Payment for Lump Sum work shall be paid for in accordance with the Approved Schedule of Values, at the price indicated in the Bid, and in accordance with SSPWC, Section 9-2 "Lump Sum Work".

## **G. MEASUREMENT AND PAYMENT ITEMS**

**Payment for all Work shall be included in the various bid items. No additional compensation shall be made therefore. Work associated with each bid item shall include but not be limited to the following description of bid items:**

### **SITE WORK**

#### **1. MOBILIZATION/DEMOLIZATION (ITEM NO. 1)**

- A. The work required for Mobilization/Demobilization shall conform to Article 40 of the General Provisions, and as amended in these Contract Documents.
- B. Full compensation for all preparatory work and operations for the movement of personnel, equipment, supplies and incidentals to and from the project site; for the establishment of facilities necessary for the work on this project; and for all other work and operations which must be performed or costs incurred prior to beginning and completing work on the various contract items as well as the related demobilization costs anticipated at the completion of the project, shall be included in the lump sum price set forth in the Bid Schedule for **MOBILIZATION/DEMOLIZATION**. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".
- C. Payment for mobilization/demobilization **shall not exceed 5% of the CONTRACTOR'S total Contract price, before adding MOBILIZATION/DEMOLIZATION to the total Contract Price**. At the beginning of the contract, 50% of the Bid Item shall be paid for mobilization required to complete the work as set forth in the Contract Document. After 100% of the contract is completed including execution of the maintenance period for landscape and irrigation improvements, the other, remaining 50% of the Bid Item shall be paid for Demobilization. The CITY

will not release the Demobilization portion of this bid item until the CITY has accepted all of the improvements included with this Contract. No additional compensation will be allowed.

**2. CLEARING AND GRUBBING WITH REMOVAL OF CONCRETE LAKE EDGE WALKWAY AND SALVAGE OF TREES/PLAQUES/BASES MARKED TO BE RELOCATED (TREES BOXED AND STORED ON-SITE) (ITEM NO. 2)**

- A. The work required for demolition and clearing and grubbing shall conform to Articles 5, 23, and 27 of the General Conditions, Sections 015639, 311000 and 329600 of the Technical Specifications and Section 300-1 of the SSPWC, and as amended in these Contract Documents.
- B. All materials indicated to be removed shall be recycled/disposed of per the requirements highlighted in Article 18 and 19 of the General Provisions of these Specifications.
- C. Payment for this item will be made at the lump sum price named in the Bid Schedule for **CLEARING AND GRUBBING WITH REMOVAL OF CONCRETE CONCRETE LAKE EDGE WALKWAY AND SALVAGE OF TREES/PLAQUES/BASES MARKED TO BE RELOCATED (TREES BOXED AND STORED ON-SITE)**, which price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for complete clearing and grubbing of the site, demolition of the concrete lake edge walkway, including the salvage, boxing and storage of designated trees to be relocated, plaques and other designated items in accordance with the Contract Documents.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**3. SWPPP/STORMWATER POLLUTION AND EROSION CONTROL/BMPs (ITEM NO. 3)**

- A. No measurement will be made for this item.
- B. Payment for this item will be made at the lump sum price named in the Bid Schedule for **SWPPP/ STORMWATER POLLUTION AND EROSION CONTROL/ BMPs**, which shall include preparing and implementing a SWPPP for the Project site, and

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coordinating all submittals with the City's Legally Responsible Person and Authorized Signatory as those terms are defined in the Permit, including filing the NOI and for obtaining coverage under the Permit. Before any NOI, SWPPP, or other Permit related document may be submitted to the State Board or implemented on the Project site, it must first be reviewed and approved by the City.

- C. Implementation of the SWPPP for the project shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for implementation of the approved SWPPP. SWPPP Implementation shall include but not be limited to: ensuring compliance with the California General Construction Permit Order No. 2009-0009-DWQ; providing a Qualified SWPPP Practitioner (QSP), performing weather monitoring, performing Best Management Practices (BMP) inspections, performing stormwater monitoring/reporting, coordination with the Qualified SWPPP Developer (QSD), completion of SWPPP annual reports, and filing of the Notice of Termination (NOT).
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**4. EARTHWORK/SITE GRADING (ITEM NO. 4)**

- A. The work required for earthwork site grading shall conform to Articles 5, 23, 24, 26 and 27 of the General Conditions, Sections 015639 and 312000 of the Technical Specifications and Section 300 of the SSPWC, and as amended in these Contract Documents.
- B. No measurement will be made for this item.
- C. Payment for this item will be made at the lump sum price named in the Bid Schedule for **SITE GRADING/EARTHWORK**, which price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for complete grading of the site in accordance with the Contract Documents. Placement and compaction of fill should be performed in accordance with local grading ordinances under the observation and testing of the geotechnical consultant.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**5. EXPORT (ITEM NO. 5)**

- A. The work required for export shall conform to Articles 5, 23, 24, 26 and 27 of the General Conditions, Sections 015639 and 312000 of the Technical Specifications and Section 300 of the SSPWC, and as amended in these Contract Documents.
- B. No measurement will be made for this item.
- C. Payment for this item will be made at the lump sum price named in the Bid Schedule for **EXPORT**, which price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for exporting of any excess soil material related to the grading operations, estimated at 280CY, in accordance with the Contract Documents.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**SITE AMENITIES**

**6. CONCRETE PAVING - WALKWAY (ITEM NO. 6)**

- A. PCC concrete paving - walkway shall be constructed in accordance with Sections 033000 and 321313 of the Technical Specifications and Sections 201-1 and 303-5 of the SSPWC and as amended in these Contract Documents.
- B. Subgrade preparation for concrete paving shall be in accordance with Sections 033000 and 321313 of the Technical Specifications and Section 301-1.3 of this Contract Document.
- C. Color and finish of concrete paving shall be in accordance with the Contract Plans, Sections 033000 and 321313 of the Technical Specifications and as outlined in Section 303-7 of these Specifications.
- D. Payment for the construction of concrete paving – walkway shall be paid at the Contract unit price per square foot as set forth in Bid Schedule for **CONCRETE PAVING - WALKWAY**. Payment shall include, but is not limited to, test panels, reinforcing steel, and all other labor, materials, tools, and equipment required for the construction of concrete paving - walkway.

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- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**7. CONCRETE PAVING - ENHANCED (ITEM NO. 7)**

- A. PCC concrete paving – enhanced and picnic table paving shall be constructed in accordance with Sections 033000 and 321313 of the Technical Specifications and Sections 201-1 and 303-5 of the SSPWC and as amended in these Contract Documents.
- B. Subgrade preparation for concrete paving shall be in accordance with Sections 033000 and 321313 of the Technical Specifications and Section 301-1.3 of this Contract Document.
- C. Color and finish of concrete paving shall be in accordance with the Contract Plans, Sections 033000 and 321313 of the Technical Specifications and as outlined in Section 303-7 of these Specifications.
- D. Payment for the construction of concrete paving – walkway shall be paid at the Contract unit price per square foot as set forth in Bid Schedule for **CONCRETE PAVING - ENHANCED**. Payment shall include, but is not limited to, test panels, reinforcing steel, and all other labor, materials, tools, and equipment required for the construction of concrete paving - walkway.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**8. CONSTRUCT PCC COMMERCIAL DRIVEWAY ACCESS APPROACH (ITEM NO. 8)**

- A. Construct PCC Commercial Driveway access will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for the construction of PCC Commercial Driveway Approach shall be paid at the Contract unit price per each as set

forth in Bid Schedule for **CONSTRUCT PCC COMMERCIAL DRIVEWAY APPROACH**. Payment shall include, but is not limited to, test panels, reinforcing steel, and all other labor, materials, tools, and equipment required for the construction of concrete paving - walkway.

- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**9. CONCRETE CURB AND GUTTER (ITEM NO. 9)**

- A. PCC concrete paving - walkway shall be constructed in accordance with Sections 033000 and 321313 of the Technical Specifications and Sections 201-1 and 303-5 of the SSPWC and as amended in these Contract Documents.
- B. Subgrade preparation for concrete paving shall be in accordance with Sections 033000 and 321313 of the Technical Specifications and Section 301-1.3 of this Contract Document.
- C. Color and finish of concrete paving shall be in accordance with the Contract Plans, Sections 033000 and 321313 of the Technical Specifications and as outlined in Section 303-7 of these Specifications.
- D. Payment for the construction of concrete paving – walkway shall be paid at the Contract unit price per square foot as set forth in Bid Schedule for **CONCRETE CURB AND GUTTER**. Payment shall include, but is not limited to, all labor, materials, tools, and equipment required for the construction of concrete curb and gutter.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**10.3" THICK DECOMPOSED GRANITE LAYER (ITEM NO. 10)**

- A. 3" Thick Decomposed Granite Layer shall be constructed in accordance with Sections 0329310 of the Technical

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Specifications and will be measured as each unit installed, complete in place, on a square foot basis.

- B. Payment for **3” THICK DECOMPOSED GRANITE LAYER** shall be made at the square foot price named in the Bid Schedule. Decomposed Granite shall be installed to the lines and grades shown on the plans and details, and in conformance with the specifications. The Contract Unit Price shall include full compensation for furnishing of all labor materials, tools, equipment, and incidentals, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.
- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**11. CONCRETE MOWSTRIP (ITEM NO. 11)**

- A. Concrete Mowstrips shall be constructed to the lines and grades shown on the plans and details, and in conformance with the specifications and shall be measured as each unit installed, complete in place, on a per lineal foot basis.
- B. Payment for **CONCRETE MOWSTRIPS** will be made at the linear foot price named in the Bid Schedule. The Contract Unit Price for Concrete Mowstrips shall include full compensation for furnishing all labor materials, tools, equipment, and incidentals, including but not limited to, excavation, sub-grade preparation, compaction per soils report, formwork, reinforcement, joint installation, joint sealants, poured-in-place concrete, curing compound, backfilling and for doing all work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.
- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**12. CONCRETE BANDING (ITEM NO. 12)**

- A. Concrete Banding shall be constructed to the lines and grades shown on the plans and details, and in conformance with the specifications and shall be measured as each unit installed, complete in place, on a per lineal foot basis.
- B. Payment for **CONCRETE BANDING** will be made at the linear foot price named in the Bid Schedule. The Contract Unit Price for Concrete Banding shall include full compensation for furnishing all labor materials, tools, equipment, and incidentals, including but not limited to, excavation, sub-grade preparation, compaction per soils report, formwork, reinforcement, joint installation, joint sealants, poured-in-place concrete, curing compound, backfilling and for doing all work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.
- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**13. RECYCLED PLASTIC HEADER BOARD (ITEM NO. 13)**

- A. Recycled Plastic Header Board shall be constructed to the lines and grades shown on the plans and details, and in conformance with the specifications and shall be measured as each unit installed, complete in place, on a per lineal foot basis.
- B. Work required for the installation of the recycled plastic headers as detailed on the Contract Plans shall be in accordance with Section 308-3 of the SSPWC, and as amended herein in these Contract Documents and shall be measured as each unit installed, complete in place, on a per lineal foot basis..
- C. Payment for this bid item shall be paid at the Contract unit price per lineal foot as set forth in Bid Schedule for **RECYCLED PLASTIC HEADER BOARD HEADER**. Payment shall include full compensation for providing all labor, materials, tools, equipment, incidentals, and any other necessary items required for furnishing and installing recycled plastic header board complete and in place as specified in these Contract Documents.

- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**14. OVERHEAD STRUCTURE (ITEM NO. 14)**

- A. No measurement will be made for this item.
- B. The work required for **OVERHEAD STRUCTURE** shall include full compensation for providing all labor, materials, tools, equipment, incidentals, and any other necessary items required for furnishing and installing the overhead structure complete and in place as specified in these Contract Documents. No additional compensation will be allowed.
- C. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**15. RAIL FENCING (ITEM NO. 15)**

- A. This work item consists of providing all labor, materials, tools, equipment and any other necessary items to furnish and install Rail Fencing as detailed in the Contract Documents.
- B. CONTRACTOR shall stake the alignment of the rail fencing as shown on the Contract Plans and obtain approval of the alignment prior to the excavation of the post hole footings.
- C. The rail fence footings shall meet the requirements of with Section 329320 of the Technical Specifications, Section 201-1 of the SSPWC, and as amended in these Contract Documents. Subgrade preparation for the footings shall be in accordance with Section 301-1.3 of this Contract Document.
- D. Size and type of the rail fencing shall be as noted on the Contract Plans, or as approved by the Engineer. CONTRACTOR shall submit samples to the Engineer for approval prior to ordering any materials required to construct the lodge pole fence.
- E. Rail Fencing will be measured as each unit installed, complete in place, on a per lineal foot basis.

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- F. Payment for Rail Fencing will be made at the linear foot price named in the Bid Schedule for **RAIL FENCING** shall be constructed to the lines and grades shown on the plans and details, and in conformance with the specifications. The Contract Unit Price for Rail Fencing shall include full compensation for furnishing all labor materials, tools, equipment, and incidentals, including but not limited to, post wall excavation, removal of spoils, grading, compaction, form work, concrete footing, posts, rails, and for doing all work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.
- G. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**16. LIGHTING AND ELECTRICAL SYSTEM (ITEM NO. 16)**

- A. Work required for the construction of this item shall be constructed in accordance with Sections 260519 through 265619 of the Technical Specifications, the California Electric Code, as shown on the Contract Plans and as outlined in this Specification.
- B. Light fixture assembly type and model shall be as outlined in the Fixture Schedule, as included in the Contract Plans. CONTRACTOR to submit sample of all colors and finishes to CITY for approval.
- C. CONTRACTOR shall provide shop drawings of all light fixture assemblies, poles, foundations, and other appurtenances for review and approval by the CITY, in accordance with Article 8 of the General Conditions of this Contract Document.
- D. Full compensation for providing all labor, materials, tools, equipment, and all other items required to construct light fixture foundations, furnish and install new light fixtures, and to complete all other associated work for sight lighting as described in these Contract Documents, shall be included in the contract lump sum price as set forth in Bid Schedules for **LIGHTING AND ELECTRICAL SYSTEM.**

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- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**17. CONCRETE PAVING - PICNIC TABLE CONCRETE PAVING**  
**(ITEM NO. 17)**

- A. PCC concrete paving – enhanced and picnic table paving shall be constructed in accordance with Sections 033000 and 321313 of the Technical Specifications and Sections 201-1 and 303-5 of the SSPWC and as amended in these Contract Documents.
- B. Subgrade preparation for concrete paving shall be in accordance with Sections 033000 and 321313 of the Technical Specifications and Section 301-1.3 of this Contract Document.
- C. Color and finish of concrete paving shall be in accordance with the Contract Plans, Sections 033000 and 321313 of the Technical Specifications and as outlined in Section 303-7 of these Specifications.
- D. Payment for the construction of concrete paving – walkway shall be paid at the Contract unit price per square foot as set forth in Bid Schedule for **CONCRETE PAVING – PICNIC TABLE CONCRETE PAVING**. Payment shall include, but is not limited to, test panels, reinforcing steel, and all other labor, materials, tools, and equipment required for the construction of concrete paving - walkway.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**18. PREFABRICATED BRIDGE 30' LONG INCL. ABUTMENTS**  
**(ITEM NO. 18)**

- A. Prefabricated pedestrian bridge shall be per Excel Bridge Manufacturers Company, as shown on the Contract Plans, or an approved equivalent and shall meet the requirements of with Section 329320 of the Technical Specifications.
- B. CONTRACTOR shall prepare and submit Structural Calculations for the pedestrian bridge head walls, concrete

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footings and abutments, reinforcements, anchoring system and steel frame enclosures to the Engineer in accordance with Articles 8 and 9 of the General Provisions of this Contract Document.

- C. CONTRACTOR shall submit Shop Drawings for all materials required to construct the pedestrian bridge, including but not limited to, the prefabricated bridge, waterproof membrane, and drain line, as outlined in these Contract Documents for CITY review and approval.
- D. Subgrade preparation for the pedestrian bridge abutments shall be in accordance with Section 301-1.3 of this Contract Document.
- E. Payment for the construction of the pedestrian bridge complete and in place shall be paid at the Contract lump sum unit price as set forth in Bid Schedule for **PREFABRICATED BRIDGE 30' LONG INCL. ABUTMENTS**. Payment shall include, but is not limited to, structural design, reinforcing steel, bridge abutments, drain lines and filter fabrics, and all other labor, materials, tools, and equipment required to furnish and construct the pedestrian bridge complete and in place over the creek bed.
- F. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**19. PEDESTRIAN BRIDGE- INCL. ABUTMENTS WITH CONTRACTOR PAID FOR AND PROVIDED STRUCTURAL CALCULATIONS (ITEM NO. 19)**

- A. Pedestrian pedestrian bridge shall be constructed the details as shown on the Contract Plans and shall meet the requirements of with Section 329320 of the Technical Specifications.
- B. CONTRACTOR shall prepare and submit Structural Calculations for the pedestrian bridge head walls, concrete footings and abutments, reinforcements, anchoring system and steel frame enclosures to the Engineer in accordance with Articles 8 and 9 of the General Provisions of this Contract Document.
- C. CONTRACTOR shall submit Shop Drawings for all materials required to construct the pedestrian bridge, including but not

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limited to, the pedestrian bridge, waterproof membrane, and drain line, as outlined in these Contract Documents for CITY review and approval.

- D. Subgrade preparation for the pedestrian bridge abutments shall be in accordance with Section 301-1.3 of this Contract Document.
- E. Payment for the construction of the pedestrian bridge complete and in place shall be paid at the Contract lump sum unit price as set forth in Bid Schedule for **PEDESTRIAN BRIDGE- INCL. ABUTMENTS WITH CONTRACTOR PAID FOR AND PROVIDED STRUCTURAL CALCULATIONS**. Payment shall include, but is not limited to, structural design, reinforcing steel, bridge abutments, drain lines and filter fabrics, and all other labor, materials, tools, and equipment required to furnish and construct the pedestrian bridge complete and in place over the creek bed.
- F. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**20. BOULDERS & GFRC BOULDERS (ITEM NO. 20)**

- A. The work required for Boulders & GFRC Boulders shall conform to Section 03450 of the Technical Specifications and as amended in these Contract Documents.
- B. No measurement will be made for this item.
- C. Furnish all labor, materials, equipment and services necessary or incidental to completion of molded glass fiber reinforced concrete composites (G.F.R.C.) and associated work in accordance with the contract documents and all applicable building codes.
- D. Payment for the construction of boulders & GFRC Boulders shall be paid at the Contract lump sum unit price as set forth in Bid Schedule for **BOULDERS & GFRC BOULDERS**. This price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for the construction and installation of the boulders & GFRC boulders in place on the site in accordance with the Contract Documents.

- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**21. MONUMENT SIGN LOGO REPLACEMENT (ITEM NO. 21)**

- A. The work required for monument sign logo replacement shall conform to the details as shown on the Contract Plans and shall meet the requirements of with Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to **MONUMENT SIGN LOGO REPLACEMENT** as detailed on the Construction Plans and these Contract Documents.
- C. In accordance with Section 2-1 of this Contract Document, CONTRACTOR shall provide shop drawings for monument sign logo within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the monument sign logo, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**22. 2' SQUARE PILASTER (ITEM NO. 22)**

- A. The work required for 2' square pilaster shall conform to the details as shown on the Contract Plans.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to install **2'SQUARE PILASTER** as detailed on the Construction Plans and these Contract Documents.
- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**23. MEMORIAL PLAQUE RELOCATION WITH BOULDERS (ITEM NO. 23)**

- A. The work required for memorial plaque relocation with boulders shall conform to the details as shown on the Contract Plans and shall meet the requirements of with Section 329320 of the Technical Specifications.
- B. No measurement will be made for this item.
- C. This work item consists of providing all labor, tools, equipment, materials, and any other necessary items for **MEMORIAL PLAQUE RELOCATION WITH BOULDERS** as detailed on the Construction Plans and these Contract Documents.
- D. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the memorial plaques relocation with boulders within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the memorial plaques relocation with boulders, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- E. Payment for the memorial plaque relocation with boulders shall be paid at the Contract lump sum unit price as set forth in Bid Schedule for **MEMORIAL PLAQUE RELOCATION WITH BOULDERS**. This price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for the plaque relocations in place on the site in accordance with the Contract Documents.
- F. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**24. RETAINING WALL (ITEM NO. 24)**

- A. The work required for memorial plaque relocation with boulders shall conform to the details as shown on the Contract Plans.
- B. Masonry block for the retaining walls shall be precision cut block, color and size shall match existing, or as approved by the ENGINEER.

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- C. Full compensation for furnishing all labor, materials, tools, equipment, incidentals, and all other related costs associated with constructing the retaining wall including, but not limited to: excavation; protection of adjacent private property; reinforcing steel; concrete glue; and tooling joints as required; shall be included in the unit price per square foot as set forth in the Bid Schedule for **RETAINING WALL**.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**25. GUARD RAIL (ITEM NO. 25)**

- A. This work item consists of providing all labor, materials, tools, equipment and any other necessary items to furnish and install Guard Rail as detailed in the Contract Documents.
- B. CONTRACTOR shall stake the alignment of the Guard Rail as shown on the Contract Plans and obtain approval of the alignment prior to the excavation of the post hole footings.
- C. The Guard rail footings shall meet the requirements of with Section 329320 of the Technical Specifications, Section 201-1 of the SSPWC, and as amended in these Contract Documents. Subgrade preparation for the footings shall be in accordance with Section 301-1.3 of this Contract Document.
- D. Size and type of the guard rail shall be as noted on the Contract Plans, or as approved by the Engineer. CONTRACTOR shall submit samples to the Engineer for approval prior to ordering any materials required to construct the guard rail.
- E. Guard rail will be measured as each unit installed, complete in place, on a per lineal foot basis.
- F. Payment for Guard Rail will be made at the linear foot price named in the Bid Schedule for **GUARD RAIL** shall be constructed to the lines and grades shown on the plans and details, and in conformance with the specifications. The Contract Unit Price for Guard Rail shall include full compensation for furnishing all labor materials, tools, equipment, and incidentals, including but not limited to, post wall

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excavation, removal of spoils, grading, compaction, form work, concrete footing, posts, rails, and for doing all work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.

- G. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

## **SITE AMENITIES**

### **26. INTERPRETIVE SIGNAGE (ITEM NO. 26)**

- A. The work required for interpretive signage shall conform to the details as shown on the Contract Plans and shall meet the requirements of with Section 329320 of the Technical Specifications.
- B. This work item consists of providing all labor, tools, equipment, materials, and any other necessary items for **INTERPRETIVE SIGNAGE** as detailed on the Construction Plans and these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the interpretive signage within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the interpretive signage, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Payment for the interpretive signage shall be paid at the Contract lump sum unit price as set forth in Bid Schedule for **INTERPRETIVE SIGNAGE**. This price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for the interpretive signage in place on the site in accordance with the Contract Documents. No additional compensation will be allowed.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**27. DRINKING FOUNTAIN (ITEM NO. 27)**

- A. The work required for drinking fountain shall conform to the details as shown on the Contract Plans and shall meet the requirements of with Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to install **DRINKING FOUNTAIN**, complete in place, as detailed on the Construction Plans and these Contract Documents.
- E. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the drinking fountain within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the drinking fountain, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- C. Payment shall be based on the Unit Price and actual quantities installed, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, including but not limited to, excavation, sub-grade preparation, shut-off valve and valve box, connection with water line, waste line, compaction, and any other necessary items as specified in these special provisions, and as directed by the Engineer.
- D. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents. No additional compensation will be allowed.

**28. TRASH RECEPTACLES (ITEM NO. 28)**

- A. The work required for Provide and Install Trash Receptacles shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **TRASH RECEPTACLES** as detailed on the Construction Plans and these Contract Documents.
- F. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide

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shop drawings for the trash receptacles within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the trash receptacles, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.

- C. Trash receptacles shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**29. THEMATIC BENCH (ITEM NO. 29)**

- A. The work required for Provide and Install Thematic Bench shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **THEMATIC BENCH** as detailed on the Construction Plans and these Contract Documents.
- G. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Thematic Bench within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Thematic Bench, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- C. Thematic Bench shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**30. BENCH (ITEM NO. 30)**

- A. The work required for provide and install Bench shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **BENCH** as detailed on the Construction Plans and these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Bench within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Bench, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Bench shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**31. PICNIC TABLE - STANDARD (ITEM NO. 31)**

- A. The work required for Provide and Install Picnic Table - Standard shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **PICNIC TABLE - STANDARD** as detailed on the Construction Plans and these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Picnic Table - Standard within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Picnic Table - Standard, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.

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- D. Picnic Table - Standard shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**32. PICNIC TABLE - ADA (ITEM NO. 32)**

- A. The work required for Provide and Install Picnic Table - ADA shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **PICNIC TABLE - ADA** as detailed on the Construction Plans and these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Picnic Table - ADA within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Picnic Table - ADA, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Picnic Table - ADA shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**33. PET WASTE CONTAINER (ITEM NO. 33)**

- A. The work required for Provide and Install Pet Waste Container shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- B. These work items consists of providing all labor, tools,

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equipment, materials, and any other necessary items to provide and install **PET WASTE CONTAINER** as detailed on the Construction Plans and these Contract Documents.

- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Pet Waste Container within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Pet Waste Container, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Pet Waste Container shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**34. BIRDHOUSE (ITEM NO. 34)**

- C. The work required for Provide and Install Birdhouse shall conform to Section 329320 of the Technical Specifications and as amended in these Contract Documents.
- D. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **BIRDHOUSE** as detailed on the Construction Plans and these Contract Documents.
- D. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Birdhouse within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the Birdhouse, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- F. Birdhouse shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- G. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance

with Article 41 through 43 in the General Provisions of these Contract Documents.

## **LANDSCAPE AND IRRIGATION IMPROVEMENTS**

### **35. AUTOMATIC IRRIGATION SYSTEM (ITEM NO. 35)**

- A. The work required for Provide and Install Automatic Irrigation System shall conform to Section 328400 of the Technical Specifications and as amended in these Contract Documents.
- B. Payment for the construction of automatic irrigation system shall be paid at the Contract unit price per square foot as set forth in Bid Schedule for **AUTOMATIC IRRIGATION SYSTEM**. Payment shall include, but is not limited to, all other labor, materials, tools, and equipment required for the installation of the automatic irrigation system.
- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

### **36. CONTROLLER (ITEM NO. 36)**

- A. Controllers will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for Controller will be made at the Unit Price named in the Bid Schedule for **CONTROLLER**. Contractor shall refer to Electrical and Civil plans for electrical locations and Irrigation Plans for installation details of the Controller.
- C. The Contract Unit Price for Controller shall include full compensation for furnishing of all labor materials, tools, equipment, and incidentals including, but not limited to, excavation, sub-grade preparation, backfill, and for doing all work involved, complete in place as shown on the plan, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance

with Article 41 through 43 in the General Provisions of these Contract Documents.

**37. SOIL PREPARATION, WEED ABATEMENT AND FINE GRADING (ITEM NO. 37)**

- A. Soil preparation, weed abatement and fine grading shall be constructed in accordance with Sections 312000 and 329113 of the Technical Specifications and will be measured as each unit installed, complete in place, on a square foot basis.
- B. Payment for **SOIL PREPARATION, WEED ABATEMENT AND FINE GRADING** shall be made at the square foot price named in the Bid Schedule. The Fine Grading shall be installed to the lines and grades shown on the plans and details, and in conformance with the specifications.
- C. The Contract Unit Price shall include full compensation for furnishing of all labor materials, tools, equipment, and incidentals, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**38. SEEDED TURF (ITEM NO. 38)**

- A. Seeded turf shall be constructed in accordance with Section 329100 of the Technical Specifications and will be measured as each unit installed, complete in place, on a square foot basis.
- B. Payment for **SEEDED TURF** shall be made at the square foot price named in the Bid Schedule. The seeded turf shall be installed to the lines and grades shown on the plans and details, and in conformance with the specifications.
- C. The Contract Unit Price shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the

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plans, as specified in these special provisions, and as directed by the Engineer.

- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**39. NO-MOW SODDED TURF (ITEM NO. 39)**

- A. No-mow turf shall be constructed in accordance with Section 329100 of the Technical Specifications and will be measured as each unit installed, complete in place, on a square foot basis.
- B. Payment for **NO-MOW SODDED TURF** shall be made at the square foot price named in the Bid Schedule. The no-mow turf shall be installed to the lines and grades shown on the plans and details, and in conformance with the specifications.
- C. The Contract Unit Price shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**40.3" THICK MULCH LAYER (ITEM NO. 40)**

- A. 3" Thick Mulch Layer shall be constructed in accordance with Sections 015639, 329200 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on a square foot basis.
- B. Payment for **3" THICK MULCH LAYER** shall be made at the square foot price named in the Bid Schedule. Mulch shall be installed to the lines and grades shown on the plans and details, and in conformance with the specifications. The Contract Unit

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Price shall include full compensation for furnishing of all labor materials, tools, equipment, and incidentals, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions and as directed by the Engineer.

- C. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**41.48" BOX TREE (ITEM NO. 41)**

- A. 48" box tree shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for 48" Box Trees will be made at the Unit Price named in the Bid Schedule for **48" BOX TREE** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for 48" Box Trees shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, fertilizers, tree ties and staking, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**42.36" BOX TREE (ITEM NO. 42)**

- A. 36" box tree shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications

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and will be measured as each unit installed, complete in place, on an individual unit basis.

- B. Payment for 36" Box Trees will be made at the Unit Price named in the Bid Schedule for **36" BOX TREE** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for 36" Box Trees shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, fertilizers, tree ties and staking, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**43.24" BOX TREE (ITEM NO. 43)**

- A. 24" box tree shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for 24" Box Trees will be made at the Unit Price named in the Bid Schedule for **24" BOX TREE** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for 24" Box Trees shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, fertilizers, tree ties and staking, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**44.5 GALLON SHRUB (ITEM NO. 44)**

- A. 5 gallon shrub shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
  - B. Payment for 5 gallon shrubs will be made at the Unit Price named in the Bid Schedule for **5 GALLON SHRUB** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
  - C.
  - D. The Contract Unit Price for 5 gallon shrubs shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**45.1 GALLON SHRUB (ITEM NO. 45)**

- A. 1 gallon shrub shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for 1 gallon shrubs will be made at the Unit Price named in the Bid Schedule for **1 GALLON SHRUB** shall be furnished and installed to the lines and grades shown on the

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plans, and in conformance with the project details and specifications.

- C. The Contract Unit Price for 1 gallon shrubs shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**46.4" POT (ITEM NO. 46)**

- A. 4" pot shall be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for 4" pot will be made at the Unit Price named in the Bid Schedule for **4" POT** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for 4" pot shrubs shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**47. PLUG LINER (ITEM NO. 47)**

- A. Plug Liner be installed in accordance with Sections 015639, 329113 and 329300 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for plug liner will be made at the Unit Price named in the Bid Schedule for **PLUG LINER** shall be furnished and installed to the lines and grades shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for plug liner shrubs shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.
- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**48. RELOCATE AND PLANT EXISTING TREES AND MEMORIAL PLAQUES WITH ADDITION OF GPS COORDINATES (ITEM NO. 48)**

- A. Relocate and plant existing trees shall be installed in accordance with Sections 015639, 329113, 329300 and 329600 of the Technical Specifications and will be measured as each unit installed, complete in place, on an individual unit basis.
- B. Payment for relocate existing trees and memorial plaques will be made at the Unit Price named in the Bid Schedule for **RELOCATE AND PLANT EXISTING TREES AND MEMORIAL PLAQUES WITH ADDITION OF GPS COORDINATES**, shall be furnished and installed at the locations shown on the plans, and in conformance with the project details and specifications.
- C. The Contract Unit Price for relocating the existing trees and memorial plaques shall include full compensation for furnishing of all labor, materials, tools, equipment, and incidentals, to

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include but not limited to, plant pit excavation, removal of plant pit spoils, amended backfill, fertilizers, tree ties and staking, mulching, and for doing all the work involved, complete in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

- D. Payment shall be based on the Unit Price and actual quantities installed, complete in place. No additional compensation will be allowed. Measurement and Payment shall be in accordance with Article 41 through 43 in the General Provisions of these Contract Documents.

**49.90 DAY PLANT ESTABLISHMENT AND MAINTENANCE PERIOD (ITEM NO. 49)**

- A. The work required for the Provide and Install Automatic Irrigation System shall conform to Sections 328400, 329113, 329200, and 329300 of the Technical Specifications and as amended in these Contract Documents.
- B. No measurement shall be made for this item.
- C. Payment for this item will be made at the lump sum price named in the Bid Schedule for **90 DAY PLANT ESTABLISHMENT AND MAINTENANCE PERIOD**, which price shall constitute full compensation for furnishing all labor, materials, equipment, water usage, all watering, irrigation repair, weeding, mowing, edging, cultivating, mulching, spraying, and pruning as necessary to keep the plant material in a healthy growing condition, tools and incidentals and for doing all the work involved as indicated on the drawings and described in the specifications.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**LAKE REFURBISHMENT (DELETABLE)**

**50. REMOVAL & RECONSTRUCTION OF EXISTING STORM DRAIN OVERFLOW INLET AND SD CONNECTION (ITEM NO. 50)**

- A. No measurement will be made for this item.

- B. The work required for **REMOVAL & RECONSTRUCTION OF EXISTING STORM DRAIN OVERFLOW INLET AND SD CONNECTION** shall include the removal of existing storm drain overflow inlet, construction of new overflow inlet and SD connection as indicated on the Contract Plans. The Storm drain inlet shall be constructed at the location and grade shown on the utility drawings included as part of the precise grading plan set.
- C. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values".

**51. POND DRAINAGE INCLUDING CONNECTION & PERMITS FROM ETWD (ITEM NO. 51)**

- A. No measurement will be made for this item.
- B. The work required for **POND DRAINAGE INCLUDING CONNECTION & PERMITS** shall include full compensation for furnishing all labor, materials, tools, equipment, traffic control, permits and incidentals performing all the work related to draining of the pond as described in the Drainage Notes on L-3 and L-4 of the Contract Plans,
- C. Contractor shall apply for a discharge permit from El Toro Water District (ETWD) for discharge into the sanitary sewer. The cost of the permit shall be paid for by the City. ETWD shall provide the contractor with the location of the sewer manhole where the pond water may be discharged.
- D. ETWD shall have sole discretion in directing the contractor to the flow rates and times when the pond water may be discharged to the ETWD sewer system.
- E. The Contractor shall be responsible for any and all traffic control and protective devices required by ETWD for discharge into the ETWD sewer system.
- F. Contractor shall coordinate with the City's Wildlife consultant regarding the emptying of the pond. The Contractor shall, at the direction of the City's wildlife consultant, suspend pumping activities in order to allow for the collection of any animals and fish by the City's Wildlife consultant.

- G. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**52. POND SEDIMENT DEWATERING AND DISPOSAL OF MATERIALS (EST 2,700 CY) (ITEMS NO. 52)**

- A. No measurement will be made for this item.
- B. The work required for **pond sediment dewatering and disposal of materials** shall include full compensation for furnishing all labor, materials, tools, equipment, traffic control, permits and incidentals performing all the work related to the dewatering and disposal of the pond sediment as described in the Drainage Notes on L-3 and L-4 of the Contract Plans.
- C. The Contractor shall be responsible for all costs associated for each disposal method specified, including hauling and landfill fees, enzyme addition, sediment disposal dewatering bags, or soil amendments, depending on which method is selected by the City.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**53. FLOATING ISLAND (ITEM NO. 53)**

- A. No measurement will be made for this item.
- B. The work required for provide and Install Floating Island shall conform to the specifications called out in the Appendices and as amended in these Contract Documents.
- C. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **FLOATING ISLAND** as detailed on the Construction Plans and these Contract Documents.
- D. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the floating island within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the floating island, and provide proof of delivery to the

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Engineer, within forty (40) working days after the Award of Contract.

- E. The floating island shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- F. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**54. FLOATING FOUNTAINS (ITEM NO. 54)**

- A. No measurement will be made for this item.
- B. The work required for provide and Install Floating Fountains shall conform to the details in the Contract Plans.
- C. These work items consists of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **FLOATING FOUNTAINS** as shown in Detail C on Sheet W252 of the Construction Plans.
- D. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the floating fountains within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the floating fountains, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- E. The floating fountains shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- F. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**55. FILTER (ITEM NO. 55)**

- A. No measurement will be made for this item.
- B. The workfor this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **FILTER** as detailed on the Construction Plans and in these Contract Documents.

- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the filter within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the filter, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**56. CAST IN-PLACE VAULT PUMP STATION or PRE-CAST VAULT PUMP STATION (ITEM NO. 56)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide and install **CAST IN-PLACE VAULT PUMP STATION or PRE-CAST VAULT PUMP STATION** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the Cast In-Place Vault Pump Station or Pre-Cast Vault Pump Station within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the cast in-place pump station or pre-cast vault pump station, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. The Cast In-Place Vault Pump Station or Pre-Cast Vault shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**57. INSTALLATION OF NEW PUMP (ITEM NO. 57)**

- A. No measurement will be made for this item.

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- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **INSTALLATION OF NEW PUMP** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the installation of new pump within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the new pump, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. The Cast In-Place Vault Pump Station shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**58. PIPING (INCLUDING INSTALLATION OF DISCHARGE & SUCTION LINES AND SCREENS) (ITEM NO. 58)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **PIPING (INCLUDING INSTALLATION OF DISCHARGE & SUCTION LINES AND SCREENS)** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide any shop drawings related to the piping within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the piping, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. All piping shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional

compensation will be allowed.

**59. SALVAGE & RE-USE OF AERATION EQUIPMENT (ITEM NO. 59)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to protect in place/salvage and store the existing aeration equipment until such time as the CONTRACTOR would install/reconnect the **AERATION EQUIPMENT FOR RE-USE** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide any shop drawings related to the re-use of the aeration equipment within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the aeration equipment, and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. All aeration equipment shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**60. INSTALLATION OF ALUM ADDITION SYSTEM (ITEM NO. 60)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **INSTALLATION OF ALUM ADDITION SYSTEM** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide shop drawings for the installation of alum addition system within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the alum addition system, and

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provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.

- D. The Cast In-Place Vault Pump Station shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**61. MISCELLANEOUS PUMP STATION APPURTENANCES (FITTINGS, LADDER, LIGHTS , ETC) (ITEM NO. 61)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **MISCELLANEOUS APPURTENANCES (FITTINGS, LADDER, LIGHTS, ETC.)** as detailed on sheets W200 through W501 of the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide any shop drawings related to the miscellaneous appurtenances (fittings) within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the miscellaneous pump station appurtenances (fittings), and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. All miscellaneous appurtenances (fittings) shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**62. CONTROL PANEL & ELECTRICAL INSTALLATION (ITEM NO. 62)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **CONTROL PANEL & ELECTRICAL INSTALLATION** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide any shop drawings related to the installation of the control panel & electrical installation within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the control panel and electrical installation , and provide proof of delivery to the Engineer, within forty (40) working days after the Award of Contract.
- D. All miscellaneous appurtenances (fittings) shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**63. AUTOMATIC FILL (ITEM NO. 63)**

- A. No measurement will be made for this item.
- B. The work for this item shall consist of providing all labor, tools, equipment, materials, and any other necessary items to provide the **AUTOMATIC FILL** as detailed on the Construction Plans and in these Contract Documents.
- C. In accordance with Sections 8 and 9 of the General Conditions in these Contract Documents, CONTRACTOR shall provide any shop drawings related to the installation of the Automatic Fill within fifteen (15) working after the Award of Contract. In addition, CONTRACTOR shall secure the all appurtenances and materials needed for the automatic fill, and provide proof of

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delivery to the Engineer, within forty (40) working days after the Award of Contract.

- D. All miscellaneous appurtenances (fittings) shall be located per the Contract Plans, and as approved by the Engineer and CITY Parks Supervisor.
- E. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**64. POND LINER REPAIR (ITEM NO. 64)**

- A. The work required for the Pond Liner Repair shall conform to Sections 131000 – Lake Specification of the Technical Specifications and as amended in these Contract Documents.
- B. No measurement shall be made for this item.
- C. Payment for this item will be made at the lump sum price named in the Bid Schedule for **POND LINER REPAIR** which price shall constitute full compensation for furnishing all labor, materials, equipment, water usage, necessary to repair any damage to the existing pond liner at the completion of construction operations within the pond, in addition to any tools and incidentals for doing all the work involved as indicated on the drawings and described in the specifications.
- D. Payment shall be based on the approved schedule of values in accordance with the "Schedule of Values". No additional compensation will be allowed.

**END OF SPECIAL CONDITIONS**

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SECTION 329600 - TRANSPLANTING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes transplanting non-nursery-grown trees by tree spade.

1.2 DEFINITIONS

- A. General: See definitions in ANSI A300 (Part 6) and in ANSI Z60.1 pertaining to field-grown trees, except as otherwise defined in this Section.
- B. Caliper: Diameter of a trunk as noted in Section 015639 Temporary Tree and Plant Protection.
- C. Root-Ball Depth: Measured from bottom of trunk flare to the bottom of root ball.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Village Pond Park.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Pruning Schedule: Written schedule prepared by arborist detailing scope and extent of pruning each tree in preparation for and subsequent to transplanting.

1.5 INFORMATIONAL SUBMITTALS

- A. Certification: From arborist, certifying that transplanted trees have been protected during construction and that trees were promptly and properly treated and repaired when damaged.
- B. Maintenance Recommendations: From arborist, recommended procedures to be established by Owner for care and protection of trees after completing the Work.
- C. Existing Conditions: Documentation of existing trees indicated to be transplanted, which establishes preconstruction conditions that might be misconstrued as damage caused by construction activities.
- D. Tree-maintenance reports.

1.6 QUALITY ASSURANCE

- A. Tree-Service Firm Qualifications: An experienced landscaping contractor or tree-moving firm that has successfully completed transplanting work similar to that required for this Project and that will assign an experienced, qualified arborist to Project site during execution of the Work.
  - 1. Arborist Qualifications: Certified Arborist as certified by ISA, licensed arborist in jurisdiction where Project is located, current member of ASCA, or registered Consulting Arborist as designated by ASCA.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Protect bark, branches, and root systems from sun scald, drying, wind burn, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees in such a manner as to destroy their natural shape.
- B. Completely cover foliage when transporting trees while they are in foliage.
- C. Handle trees by root ball. Do not drop trees.
- D. Contractor, prior to any work within the park, shall meet with the Owner's representatives to flag and number all the trees within the park. Each tree shall be assigned a unique number and Owner's Representative to confirm disposition (removal, relocation, or protect in place) of tree prior to any Contractor activity related to the trees. The trees marked for relocation shall be included on a plan sheet showing the existing and proposed locations for each tree. Trees marked for relocation shall be boxed, as noted herein, and moved on-site to area designated by the engineer and arborist.
- E. Move trees after preparations for planting have been completed, and install immediately. If planting is delayed more than six hours after moving, set trees in their appropriate aspect (sun, filtered sun, or shade), protect from weather and mechanical damage, and keep roots moist.

1.8 FIELD CONDITIONS

- A. Field Measurements: Verify final grade elevations and final locations of trees and construction contiguous with trees by field measurements before proceeding with transplanting work. Perform transplanting only after finish grades are established.
- B. Seasonal Restrictions: To be determined at time of award of contract.

1.9 MAINTENANCE SERVICE

- A. Initial Maintenance Service: Provide tree maintenance by skilled employees of tree-service firm and as required in Part 3. Begin maintenance immediately after preparatory pruning and continue until plantings are healthy and well established but for not less than maintenance period below.

1. Maintenance Period: 12 months from date determined at award of contract.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Transplanted trees shall be healthy and resume vigorous growth within one year of transplanting without dieback due to defective extracting, handling, planting, maintenance, or other defects in the Work.

### 2.2 PLANTING MATERIALS

- A. Backfill Soil: Excavated soil mixed with planting soil, as noted in Section 329113 "Soil Preparation", of suitable moisture content and granular texture for placing and compacting in planting pit around tree, and free of stones, roots, plants, sod, clods, clay lumps, pockets of coarse sand, concrete slurry, concrete layers or chunks, cement, plaster, building debris, and other extraneous materials harmful to plant growth.
  1. Mixture: Well-blended mix of planting soil as noted in Section 329113 "Soil Preparation".
  2. Planting Soil: Planting soil as specified in Section 329113 "Soil Preparation."

### 2.3 WATERING DEVICES

- A. Watering Pipe: Refer to Irrigation Plans for irrigation system for trees.
- B. Slow-Release Watering Device: Refer to Irrigation Plans for irrigation system for trees.

### 2.4 MISCELLANEOUS PRODUCTS

- A. Retain "Organic Mulch" or "Mineral Mulch" Paragraph below if required and mulch type is not indicated on Drawings; revise to suit Project.
- B. Organic Mulch: Ground or shredded bark as specified in Section 329300 "Plants."
- C. Antidesiccant: Water-insoluble emulsion, permeable moisture retarder, film forming, for trees. Deliver in original, sealed, and fully labeled containers and mix according to manufacturer's written instructions.
- D. Burlap: Non-synthetic, biodegradable.
- E. Pesticides: Pesticide registered and approved by EPA, acceptable to authorities having jurisdiction, and of type recommended in writing by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.

- F. Planting Tablets: Tightly compressed chip type, long-lasting, slow-release, commercial-grade planting fertilizer in tablet form. Tablets shall break down with soil bacteria, converting nutrients into a form that can be absorbed by plant roots.
  - 1. Size: As noted in Section 329113 "Soil Preparation" and Appendix: Landscape Soil Sampling and Testing.
  - 2. Nutrient Composition: 20 percent nitrogen, 10 percent phosphorous, and 5 percent potassium, by weight plus micronutrients.
  
- G. Weed-Control Barriers:
  - 1. Nonwoven Geotextile As noted in Section 329300 "Plants"
  - 2. Composite Fabric: As noted in Section 329300 "Plants"

### PART 3 - EXECUTION

#### 3.1 PREPARATION

- A. Utility Locator Service: Notify utility locator service for area where Project is located before beginning excavation.
  
- B. Lay out individual transplant locations and areas for multiple plantings, and obtain Architect's acceptance of layout before transplanting.
  
- C. Apply antidesiccant to trees uniformly, using power spray to provide an adequate film over trunks (before wrapping), branches, stems, twigs, and foliage to protect during extracting, handling, and transportation.
  - 1. If deciduous trees are moved in full leaf, spray with antidesiccant before extracting and again two weeks after transplanting.
  
- D. Wrap trees with burlap fabric over trunks, branches, stems, twigs, and foliage to protect from wind and other damage during extracting, handling, and transporting.

#### 3.2 PREPARATORY PRUNING

- A. Root Pruning: Perform preparatory root pruning under direction of arborist as far in advance of extracting each tree as the Project Schedule allows.
  
- B. Crown Pruning (Tip Pruning):
  - 1. Do not perform preparatory crown pruning (tip pruning).
  - 2. Perform preparatory crown pruning as directed by arborist. Follow procedures as specified in "Crown Pruning" Article.

### 3.3 EXCAVATING PLANTING PITS

- A. General: Excavate under supervision of the arborist. Keep excavations covered or otherwise protected until replanting trees.
- B. Subsoil and topsoil removed from excavations may be used as planting soil.
- C. Obstructions: Notify Engineer if unexpected rock or obstructions detrimental to trees are encountered in excavations.
- D. Seepage: Notify Engineer if subsoil conditions evidence unexpected water seepage into tree-planting pits.

### 3.4 EXTRACTING TREES

- A. General: Extract trees under supervision of the arborist.
- B. Orientation Marking: Mark the north side of each tree with non-permanent paint before extracting.
- C. Root-Ball Width: Minimum 10 inches of root-ball diameter, or least dimension for non-round root balls, for each inch of tree caliper being transplanted, or as directed by the arborist.
  - 1. Out-of-Season Planting: If planting before or after the in-season period for tree, provide a minimum root-ball diameter of 12 inches for each inch of tree caliper being transplanted, or as directed by the arborist.
- D. Root-Ball Depth: As determined by the arborist for each species and size of tree and for site conditions at original and planting locations.
- E. Digging:
  - 1. Dig and clear a pit with tree spade to the depth of the root system.
  - 2. Cut exposed roots manually with sharp pruning instruments; do not break, tear, chop, or slant the cuts. Do not paint or apply sealants on cut root ends.
  - 3. Cover roots with burlap and keep them moist until planted.
- F. Extracting with Tree Spade: Use the same tree spade to extract the tree as will be used to transport and plant the tree.

### 3.5 PLANTING

- A. Planting Standard: Perform planting according to ANSI A300 (Part 6) unless otherwise indicated.
- B. Before planting, verify that root flare is visible at top of root ball. If root flare is not visible, remove soil in a level manner from the root ball to where the top-most root emerges from the

trunk. After soil removal to expose the root flare, verify that root ball still meets size requirements.

- C. Ensure that root flare is visible after planting.
- D. Remove injured roots by cutting cleanly; do not break. Do not paint or apply sealants on cut root ends.
- E. Orientation: Position the tree so that its north side, marked before extracting, is facing north in its new location.
- F. Set tree plumb and in center of planting pit as designated by Arborist.
  - 1. Use specified backfill soil for backfill.
  - 2. Backfill around root ball in layers, tamping to settle soil and eliminate voids and air pockets. When planting pit is approximately one-half filled, water thoroughly before placing remainder of backfill. Repeat watering until no more water is absorbed.
  - 3. Redirect exposed root ends downward in backfill areas where possible. Hand-expose roots as required to bend and redirect them without breaking.
  - 4. Place planting tablets in each planting pit when pit is approximately one-half filled; in amounts recommended by arborist. Place tablets beside the root ball about 1 inch from root tips; do not place tablets in bottom of the hole.
  - 5. Continue backfilling process. Water again after placing and tamping final layer of soil.
- G. Watering Pipe: During backfilling, install watering pipe as indicated on drawings and as designated by Arborist.
- H. Planting with Tree Spade: Use the same tree spade for planting as was used to extract and transport the tree.
- I. Slopes: When planting on slopes, set the tree so the root flare on the uphill side is flush with the surrounding soil on the slope; the edge of the root ball on the downhill side will be above the surrounding soil. Apply enough soil to cover the downhill side of the root ball.

### 3.6 CROWN PRUNING

- A. Prune branches as directed by the arborist.
  - 1. Prune to remove only injured, broken, dying, or dead branches. Do not prune for shape.
  - 2. Do not remove or reduce living branches to compensate for root loss caused by cutting root system or to improve natural tree form.
  - 3. Pruning Standards: Perform pruning according to ANSI A300 (Part 1).

### 3.7 TREE STABILIZATION

- A. Stabilize tree as indicated on drawings and as directed by the arborist.

3.8 MULCHING

- A. Install weed-control barriers before mulching as noted in Section 329300 "Plants".
- B. Organic Mulch: Apply as noted in Section 329300 "Plants".

3.9 INSTALLING SLOW-RELEASE WATERING DEVICE

- A. Provide device for each tree as indicated on drawings..
- B. Place device at base of tree as indicated on drawings.

3.10 TREE MAINTENANCE

- A. Perform tree maintenance as recommended by arborist. Maintain arborist observation of transplanting work.
- B. Maintain trees by pruning, cultivating, watering, weeding, fertilizing, mulching, restoring planting saucers, adjusting and repairing tree-stabilization devices, resetting to proper grades or vertical position, and performing other operations as required to establish healthy, viable plantings and as directed by Arborist. Treat as required to keep trees free of insects and disease.
- C. From time of preparatory root pruning measure soil moisture adjacent to edge of each root ball weekly. Record findings and weather conditions.
- D. Fill areas of soil subsidence with backfill soil. Replenish mulch materials damaged or lost in areas of subsidence.
- E. Apply treatments as required to keep tree materials, planted areas, and soils free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards. Treatments include physical controls such as hosing off foliage, mechanical controls such as traps, and biological control agents.
- F. Pesticide Application: Apply pesticides and other chemical products and biological control agents in accordance with authorities having jurisdiction and manufacturer's written instructions. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.
- G. Reports: Have arborist prepare weekly inspection reports.

3.11 REPAIR AND REPLACEMENT

- A. General: Repair or replace transplanted trees and other plants indicated to remain or be relocated that are damaged by construction operations, in a manner recommended and approved by the arborist.
  - 1. Submit details of proposed pruning and repairs.

2. Perform repairs of damaged trunks, branches, and roots within 24 hours according to arborist's written instructions.
  3. Replace trees and other plants that cannot be repaired and restored to full-growth status, as determined by the arborist.
- B. Remove and replace trees that are more than 25 percent dead or in an unhealthy condition before the end of the corrections period or are damaged during construction operations that arborist determines are incapable of restoring to normal growth pattern.
1. Provide new trees of same size and species as those being replaced at no additional cost to City/Owner.

### 3.12 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Except for materials indicated to be recycled, remove surplus soil, excess excavated material, waste materials, displaced plants, trash, and debris, and legally dispose of them off Owner's property.

END OF SECTION 329600



November 10, 2016

Douglas E. Erdman, P.E.  
Principal Civil Engineer  
City of Lake Forest  
Lake Forest, Ca 92630

Re: Village Pond Park

Dear Mr. Erdman:

The following are questions and responses to questions received on Friday, October 28, the pre-bid meeting held on November 1, and on November 7, 2016. Questions and respective responses are as follows:

Q1. L-7 Detail B /Assume your note saying 4" thickness on concrete erroneous, since every other note or detail has the flatwork thickness @ 5 1/2".

**A1- ALL CONCRETE PAVING SHALL BE 5 1/2" THICK AND SHALL BE NATURAL COLOR.**

Q2. L-8 Detail G/ Wood Rail connection to the Pilasters: Are the wood posts and rails free standing or connected to the stone pilasters?

**A2- POSTS AND RAILS ARE FREESTANDING.**

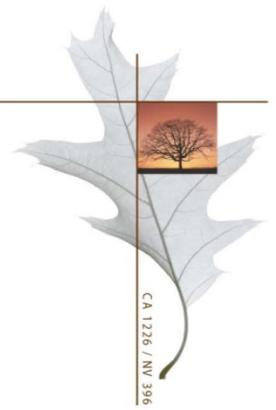
Q3. L-9 detail F Small Bridge: The design/structural calcs are to be by the Contractor? Note: 4x4 beams as show would not be able to handle a 15' span.

**A3- STRUCTURAL CALCS ARE NOTED IN THE DETAIL AND BID SCHEDULE AS PART OF THE BID FOR THE 15' LONG BRIDGE. BID AS NOTED. SEE MODIFIED DETAIL F ON REVISED PLAN SHEET L-9.**

Q4. E-1 Detail D/ Edison POC the existing power and is there fee's crossover or coordination by the contractor.

**A4- CONTRACTOR SHALL COORDINATE WITH UTILITY SERVICE PLANNER TO MANAGE REPLACEMENT AND RECONNECTION OF NEW METER PEDESTAL. ANY FEES FOR UTILITY CUTOVER SHALL BE PAID BY THE CONTRACTOR.**

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Q5. Bid Form item #14: Line 54A & 54B not sure what the difference between these items.

**A5- BID ITEM 54A AND 54B HAS BEEN REVISED. BID ITEM ALLOWS FOR USE OF A OF A CAST-IN-PLACE VAULT OR TH INSTALLATION OF A PRE-CAST VAULT.**

Q6. W-200 Gray band at the edge of the pond, Drawings don't say what it is. Assume concrete skirt around pond! Needs to be defined so all of the bids reflect the City's design – Is the shaded area indicated on the plan the existing concrete banding within the pond?

**A6- GRAY SHADE TYPICALLY IS THE SOIL CEMENT OR CONCRETE FOR THE EDGE OF THE SHORELINE. IT WAS DETERMINED WE WILL NOT HAVE SOIL CEMENT OR CONCRETE VENEER AT THE EDGE OF THE POND FOR THIS PROJECT. THE GRAY SHADE SHOULD BE IGNORED.**

Q7. Confirm Concrete PSI spec 291/ 176 Flatwork 3500, footings 4500, poured in place 4500, grout 2000 PSI.

**A7- 3500 PSI MATCHES THE CITY OF LAKE FOREST REQUIRED PSI FOR SIDEWALKS- MAINTAIN. PSI RATINGS SHALL BE PER CITY, STRUCTURAL ENGINEER, GEOTECHNICAL STANDARDS AND RECOMMENDATIONS, WHICHEVER IS HIGHER.**

Q8. Specification page 179 E. Pond qualifications: Will the City waive 5 Lake Projects in the last 2 years requirement? - Is this something that's necessary? 5 ponds in 2 years seems a bit excessive.

**A8- THE PRIME CONTRACTOR OR A SUBCONTRACTOR SHALL BE A QUALIFIED POND CONTRACTOR WITH EXPERIENCE THAT INCLUDES A MINIMUM OF CONSTRUCTING AND/OR REFURBISHING 5 PONDS.**

Q9. Specification page 182 Is the existing membrane to be considered non viable and the whole base of the pond is to be treated with the ESS-13 Treatment.

**A9- THE EXISTING SOIL LINER SHALL BE PROTECTED IN-PLACE. THE SOIL LINER SHALL BE INSPECTED AT COMPLETION OF WORK WITHIN THE POND, ANY DAMAGED AREAS SHALL BE RESTORED AND TREATED WITH ESS-13 TREATMENT. A POND LINER REPAIR BID ITEM (64) HAS BEEN ADDED TO THE BID SCHEDULE.**

Q10. Specification page 190 Talks about PVC membrane not a Soil Membrane, NA? – Need to revise to delete reference to PVC membrane?

**A10- PVC MEMBRANE IS NOT INCLUDED IN THIS PROJECT. DELETE PVC NOMENCLATURE FROM SECTION 131000-LAKE SPECIFICATION, PART 3-EXECUTION, 3.1 FINISH LAKE GRADING: B. SUBGRADE PREPARATION, 1.**

Q11. L-9, DETAIL A GFRC Boulders, Calls for grouting the boulders solid grout after installation. Correct? We assume the overall large 12-16' long groupings can be made up of several boulders? – Please Confirm.

**A11- GFRC BOULDERS SHALL BE SOLID GROUT FILLED AFTER INSTALLATION. GFRC BOULDERS ARE DRAWN TO SCALE. CONTRACTOR SHALL CONSTRUCT BOULDERS AS SHOWN WITH THEIR RESPECTIVE SIZES SHOWN, AND NOT SEVERAL BOULDERS ADDED TO EQUAL A LARGE BOULDER.**

Q12. Soils Append J: 9.2 Overex 3' below the bottom of the ftgs. At the perimeter retaining walls, the footings would require cutting back into the adjacent property or bring the walls away from the property line to go that deep!

**A12- PERIMETER RETAINING WALL LOCATION HAS BEEN REVISED, PLEASE REFER TO THE ATTACHED EXHIBITS A2-1 AND A2-2.**

Q13. Spec Pg 195 3.13 has 300 tons/795 Boulders versus 14 natural boulders shown on L-6, please clarify - – This would make a huge difference in the quantities! Please clarify is it 14 (plans) or 795 (specs)?

**A13- GFRC BOULDERS AND NATURAL BOULDERS ARE PER THE LANDSCAPE CONSTRUCTION PLANS, AND NOT PER LAKE SPECIFICATIONS. DELETE SECTION 131000-LAKE SPECIFICATION, SUBSECTION 3.13 AQUATICS AND DECORATIVE ROCK PLACEMENT, 'C'- QUANTITY 1-3 IN ITS ENTIRETY.**

Q14. L-7 Detail B Has 2 widths of concrete bands of 24" & 12" with no call outs for which size to use? Please Clarify.

**A14- CONCRETE BANDS ARE 12" WIDE.**

Q15. L-7 Legend #16/ Relocate 30 Trees, Replant where? and If they die who pays to replace? – Do we already have locations called out for the trees to be relocated? Have we evaluated what the replacement cost is for trees of similar size, should the relocated tree die?

**A15- PLAN SHEETS L-3, L-4, AND L-17 THROUGH L-19 HAVE BEEN REVISED PER ADDENDA #2 TO ADDRESS THIS QUESTION, PLEASE REFER TO THE ATTACHED PLANS AND BID FORMS.**

Q16. L-4 Relocate benches, bike rack, trash cans, light poles are any to be reinstalled or just delivered to the City? – Are any of the salvaged items to be re-used in Village Pond Park? Or are they being salvaged for City use elsewhere?

**A16- UNLESS THE CITY STATES OTHERWISE, ALL SITE AMENITIES SHALL BE SALVAGED TO THE CITY. EXISTING LIGHT POLES AND LUMINAIRES SHALL BE CLEANED AND RETURNED TO THE CITY.**

Q17. L-5 Site Amenities Legend Item "A" has a Reg & ADA table/ Item "J" is a ADA table, which ADA table applies?

**A17- PT1 AND PT2 TABLES SHALL BE WABASH VALLEY MODEL # SG201D-SINGLE POST, IN-GROUND, WITH COLOR AND AVAILABILITY NOTED ON CONSTRUCTION PLANS. MODEL #SG201D IS ADA COMPLIANT.**

Q18. E-2 Fixture schedule needs a series number for the post top lights spec'd (example PBDP100 by Philips).

**A18- PHILIPS LUMEC "TOWNGUIDE LED" PBDP102 50W64LED4K-MP-PC-C-LE2-UNIV-CLO WITH P20-14 POLE, CUSTOM COLOR RAL #6029.**

Q19. In Special Conditions 8G "Measure and Payment Items", Item # 17 is listed as a pedestrian bridge, the bid form has # 17 as a picnic table and concrete. In addition there is no # 47 included in Section 8G but not on the bid form. This will cause issues with the bid form. Please advise

**A19- REFER TO THE ATTACHED MEASUREMENT AND PAYMENT SECTION REVISED PER ADDENDA #2.**

Q20. Is the city providing all water, or is the contractor? And does this include Re-Filling the pond.

**A20- CONTRACTOR IS RESPONSIBLE FOR ACQUIRING A CONSTRUCTION WATER METER FROM ETWD AND PROVIDING ALL WATER NECESSARY FOR THE PARK IMPROVEMENTS INCLUDING THE RE-FILLING OF THE POND.**

Q21. On page 12 of the soils report, it calls for import with an EI no less than 30, and on page 13 it calls for an EI of no less than 20. Please advise which is correct.

**A21- EXPANSION INDEX (EI) LESS THAN 20 SHOULD BE USED AS STRUCTURAL FILL WITHIN 2 FEET OF FOUNDATIONS AND AS RETAINING WALL BACKFILL.**

Q22. Sheet W-200 Component #7, Sheet W-251 Det. C/ What is the POC for the Water Fill Valve and what Pipe size/ Type? (Example: Connect to irrigation backflow with 1 1/2" schedule 40 PVC)

**A22- THE FILL LINE IS CONNECTED TO THE POTABLE WATER SOURCE. EXISTING WATER SOURCE IS POTABLE. PIPELINE IS ONE AND A HALF INCHES, SCH 40 PVC.**

Q23. Sheet L-8 Det F/ Is the replacement monument logo insert single or Double sided?

**A23- SINGLE SIDED**

Q24. Sheet L-9 Det. E Note 7 / Can we cast in place with a light sandblast finish the base on the stone faced columns?

**A24- BID AS NOTED ON THE CONSTRUCTION DETAIL.**

Q25. The soils report recommendations call for various over-excavation and re-compaction requirements for subgrade prep, structural fill, foundations, Etc. Can the City define what requirements the Bidders should include in their bids for these items? Specifically the City needs to define what are the grading requirements under hardscape, pilaster and wall footings, bridge foundations, as well as the general landscape areas. Do we need to figure over-excavating the entire site " X" inches below the subgrade and compacting to 90% before bringing the site up to finish subgrade per the grading plan and compacting the top layers to 90%. Or Is the City's direction limited to grading the finish subgrade per the plan with the only over-excavation and re-compaction requirements under new footings and hardscape areas?

**A25-FOR STRUCTURES WITH SHALLOW FOOTINGS, OVER-EXCAVATE TO A DEPTH OF 3 FEET BELOW BOTTOM OF FOOTINGS OR DEPTH OF UNDOCUMENTED FILL, WHICHEVER IS DEEPER. OVER-EXCAVATION SHOULD EXTEND AT LEAST FIVE (5) FEET Laterally BEYOND THE LIMITS OF PERIMETER FOOTINGS WHERE FEASIBLE. OVER-EXCAVATION FOR RETAINING WALLS, IF ANY, SHOULD BE TWO (2) FEET BELOW BOTTOM OF FOOTINGS AND SHOULD EXTEND THREE (3) FEET Laterally BEYOND THE RETAINING WALL AREA. THE UPPER 24 INCHES OF SITE SOILS SHOULD BE REMOVED IN AREAS OF SIDEWALKS AND HARDSCAPE. THE OVEREXCAVATION SHOULD EXTEND TWO (2) FEET Laterally BEYOND THE SIDEWALK AND HARDSCAPE AREAS. THE REMEDIAL GRADING AND OVEREXCAVATION AND RECOMPACTION RECOMMENDATIONS NEED NOT BE APPLIED TO THE ENTIRE SITE BUT ONLY AS STATED FOR THE SPECIFIED AREAS.**

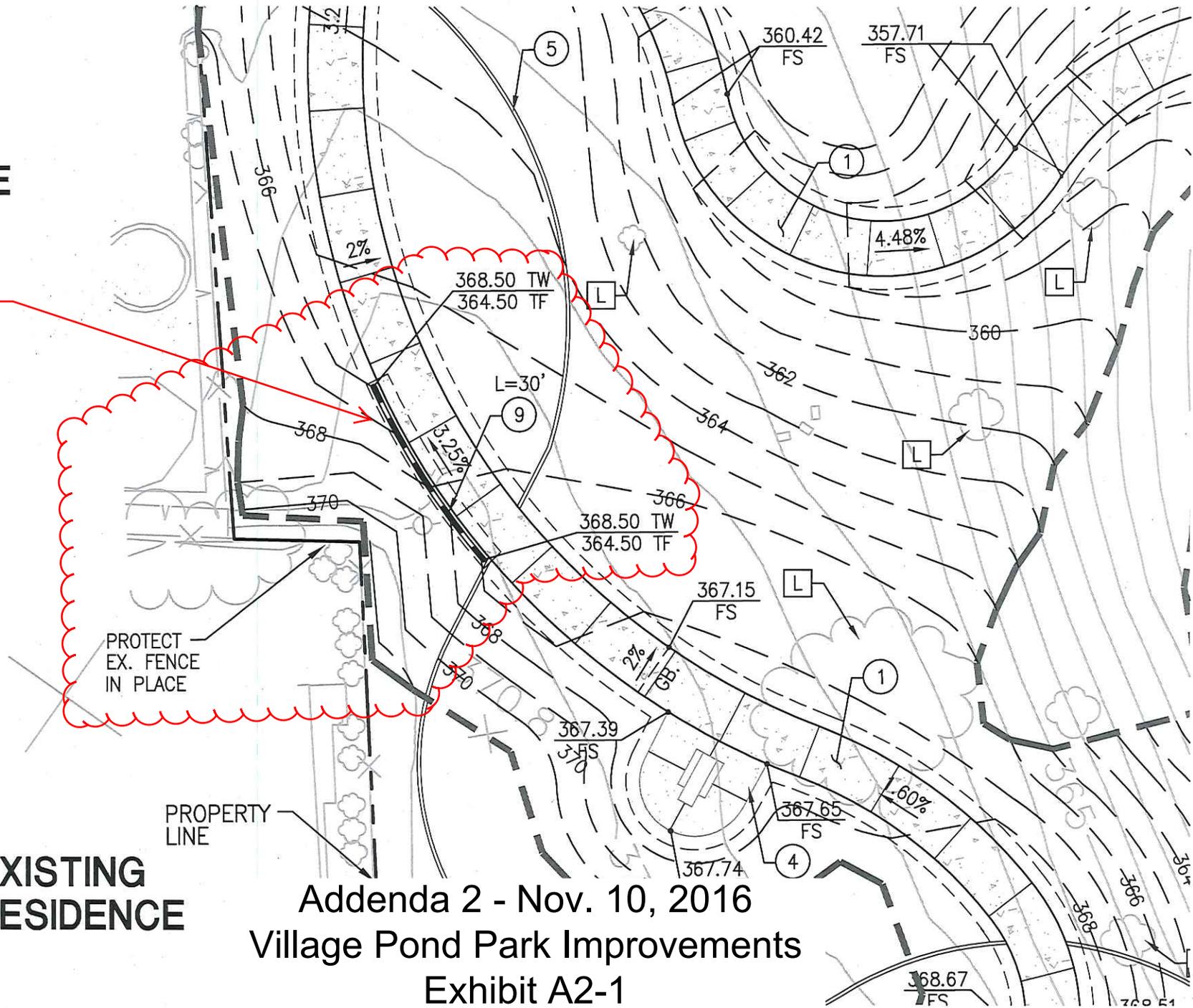
Q26. For Bid Item 34, Birdhouse - There is no make or model for this item. Duncraft will not give a price without this information.

**A26 – PER NOTE 2 ON DETAIL "I", SHEET L-8, THE TYPE OF BIRDHOUSE SHALL BE DUNCRAFT "FOUR SEASONS ROOSTING BOX" -**

**<http://www.duncraft.com/Duncraft-Four-Seasons-Roosting-Box>**

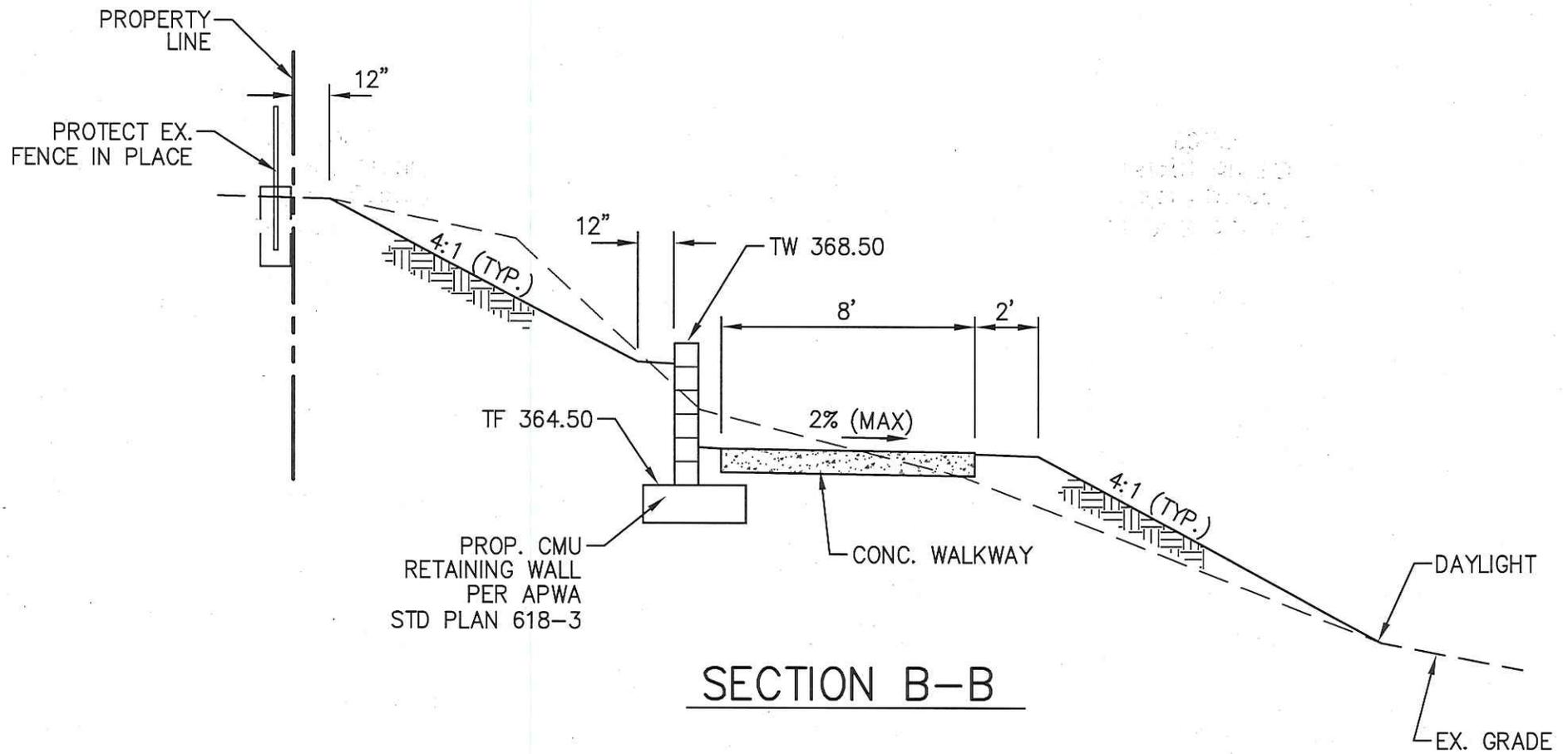
**EXISTING  
RESIDENCE**

Revised Retaining  
Wall Location



**EXISTING  
RESIDENCE**

Addenda 2 - Nov. 10, 2016  
Village Pond Park Improvements  
Exhibit A2-1



Addenda 2 - Nov. 10, 2016  
 Village Pond Park Improvements  
 Exhibit A2-2