

SECTION 01125

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 GENERAL

- A. Measurements of the completed work shall be in accordance with, and by instruments and devices calibrated to United States Standard Measures and the units of measurement for payment, and the limits thereof, shall be made as shown on the Plans, Specifications, General Conditions and Requirements, and Supplementary Conditions.
- B. Units of Measurement
 - 1. Measurements shall be in accordance with U.S. Standard Measures.
 - 2. A pound is an avoirdupois pound.
 - 3. A ton is 2,000 pounds avoirdupois.
 - 4. The unit of liquid measure is the U.S. gallon.
- C. Certified Weights
 - 1. When payment is to be made on the basis of weight, the weighing shall be done on certified platform scales, or when approved by the Construction Manager, on a completely automated weighing and recording system.
 - 2. The Contractor shall furnish the Construction Manager with duplicate licensed weighmaster's certificates showing the actual net weights.
 - 3. The City will accept the certificates as evidence of the weights delivered.
- D. Methods of Measurement
 - 1. Materials and items of work which are to be paid for on the basis of measurement shall be measured in accordance with the method stipulated in the particular sections involved.
 - 2. In determining quantities, all measurements shall be made in a horizontal plane unless otherwise specified.
 - 3. Material not used from a transporting vehicle shall be determined by the Construction Manager and deducted from the certified tag.
 - 4. When material is to be measured and paid for on a volume basis and it would be impractical to determine the volume, or when requested by the Contractor in writing and approved by the Construction Manager in writing, the material will be weighed and converted to volume measurement for payment purposes.

5. Factors for conversion from weight measurement to volume measurement will be determined by the Construction Manager and shall be agreed to by the Contractor before such method of measurement of pay quantities will be adopted.
6. Full compensation for all expense involved in conforming to the above requirements for measuring and weighing materials shall be considered as included in the unit prices paid for the materials being measured or weighed and no additional allowances will be made therefore.
7. Quantities of material wasted or disposed of in a manner not called for under the Contract; or rejected loads of material, including material rejected after it has been placed by reason of failure of the Contractor to conform to the provisions of the Contract; or material not unloaded from the transporting vehicle; or material placed outside the lines indicated on the Plans or given by the Construction Manager; or material remaining on hand after completion of the Contract, will not be paid for and such quantities will be deducted from the final total quantities.
8. No compensation will be allowed for hauling rejected material.

1.02 BID ITEMS

- A. The Bid amounts for each Bid Item will be used for comparative bid analysis. The Bid amounts will also form the basis of monthly progress payments. Each Lump Sum bid amount will undergo further breakdown as described later in this Section. Unit prices for any unit price bid items, will be the basis for monthly progress payment determinations and for any changes related to that Work item. Bid Item will also demonstrate the Contractor's compliance with the California Labor Code relating to the price for sheeting, shoring, and bracing of excavations. Bid items are not intended to be exclusive descriptions of work categories and the Contractor shall determine and include in its pricing all materials, labor, and equipment necessary to complete each Bid Item (work phase) as shown and specified. Measurement and payment for each Bid Item is defined below.
- B. Bid Item 1 – Mobilization, SWPPP, Traffic and Pedestrian Control, Construction Fencing and Demobilization
 1. This bid item shall be lump sum. Payment shall be made at seventy five (75%) percent of the bid item amount on the first progress payment following completion of mobilization and the remaining amount on the final progress payment, with retention withheld as allowed by the Contract Documents. The Contractor may apply for the remaining twenty-five (25%) percent of the bid item amount upon completion of the project final punch list items provided by the Construction Manager.
 2. This bid item shall include payment for obtaining all bonds, all Contractor acquired permits, licenses, agreements, certifications, notices of intent, and temporary easements; moving onto the site of all equipment, materials, and staff including obtaining and set up of Contractor's job

office trailer, staging area/yard; preparing Storm Water Pollution Prevention Plan; furnishing and erecting all needed construction facilities; fencing and protective materials; preparing traffic control and pedestrian plans and implementation of approved traffic control; project signage; project security; demobilization; preconstruction photographs; video recording of surface features; progress schedules and reports; contract meetings; and record drawings.

3. Final payment for mobilization and demobilization, or any part thereof, will be approved for payment under the Contract when all applicable mobilization and demobilization items listed above have been completed.
4. This amount shall not exceed five percent (5%) of the total bid price for the Work.

C. Bid Item 2 – Demolition/Clear and Grub

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials and equipment necessary to perform saw cutting, breaking, or otherwise removing and disposing of materials, including but not limited to concrete walkways, stairs, curb ramps, curb and gutter and walls; asphaltic concrete, soil, trees and vegetation and turf, fencing, storm drainage facilities, playground equipment, and associated materials as shown or described on the Plans and no further compensation will be allowed therefor.

D. Bid Item 3 – Field Survey, Layout & Staking

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment necessary for computing and surveying to establish the exact position of the work and no additional compensation will be allowed therefor.

E. Bid Item 4 –Rough and Fine Grading (~20,000 sf)

1. This bid item shall be measured in lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment necessary to excavate and grade existing surfaces, including removal and transportation of existing soil, transportation and placement of new soil and materials to achieve grades and elevations shown or described in the Plans and no further compensation will be allowed therefor.

F. Bid Item 5 – Storm Drainage System

Bid Item 5A – Perforated Pipe

Bid Item 5B – Storm Drain—4” PVC

Bid Item 5C – Storm Drain—6” PVC

Bid Item 5D – Storm Drain—8” PVC

1. These bid items shall be measured in linear feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. These bid items include submittals; locating/potholing and protecting existing utilities; surveying; saw cutting, grinding, surface demolition; excavation of trench; spoil removal and proper disposal; pipe bedding; trench backfill; compaction; testing; pipe; dust control; cleaning; testing, record drawings; furnishing all equipment, materials, and personnel associated therewith, and all incidentals in accordance with these Plans and Specifications.

Bid Item 5E – Drain Inlets

Bid Item 5F – Cleanouts/Planter Drains

Bid Item 5G – Buried Cleanouts at Sand and Synthetic Turf

Bid Item 5H – Drains in Pavers/Drains in Poured Rubber

Bid Item 5I – Area Drains

1. These bid items shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
2. These bid items include submittals; locating/potholing and protecting existing utilities; surveying; saw cutting, grinding, surface demolition; excavation of trench; spoil removal and proper disposal; pipe bedding; trench backfill, drain rock; filter fabric; compaction; testing; pipe; dust control; record drawings; furnishing all equipment, materials, and personnel associated therewith, and all incidentals in accordance with these Plans and Specifications.

G. Bid Item 6 – Copper Water Line (includes ~110 LF PVC sleeve where required)

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes furnishing all equipment, materials and labor associated with installation of Copper Water Line and PVC sleeves where shown on the Plans or directed by the City and shall include submittals,

locating/potholing and protecting existing utilities, surface demolition, saw cutting, trenching, excavation, removal and proper disposal of spoils, preparing and compacting pipe sub base, placing and compacting pipe bedding, furnishing, installing, and compacting trench backfill, compaction, chlorination, testing, additional surface restoration, record drawings, and all incidentals as required by these Specifications and Plans.

H. Bid Items 7, Alternate 2A.1, Alternate 2B.5, Alternate 2C.2 – Concrete Retaining Walls

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install retaining walls and footings as shown on the Plans. This shall include submittals, surface demolition, excavation backfill and compaction, excavation spoils handling and disposal, concrete forms, reinforcing steel, poured concrete, embedded items, concrete finishing and sandblasting, waterproofing, expansion joints, specified backfill materials, geotextile fabric and required drainage materials, surface restorations, and all other associated items as shown or described on the Plans or these Specifications.

I. Bid Items 8, Alternate 2A.3, Alternate 2B.3 – Concrete Steps

1. This bid item will be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, equipment, and materials necessary to install concrete steps. This shall include submittals, surface demolition, excavation spoils handling and disposal, concrete forms, reinforcing steel, embedded items, poured concrete, concrete finishing, stair nosing, specified backfill materials, excavation backfill and compaction, surface restorations, and all other associated items as shown or described on the Plans or these Specifications.

J. Bid Items 9 – Concrete Curb Walls

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install concrete curb walls and seat walls as shown on the Plans. This shall include submittals, mockups, surface demolition, excavation spoils handling and disposal, concrete forms, reinforcing steel, poured concrete, integral concrete color, embedded items, concrete finishing and sandblasting, waterproofing, expansion joints, specified backfill materials, geotextile fabric and required drainage materials, excavation backfill and

compaction, surface restorations, and all other associated items as shown or described on the Plans or these Specifications.

K. Bid Item 10 – Concrete Seat Walls

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install concrete curb walls and seat walls as shown on the Plans. This shall include submittals, mockups, surface demolition, excavation spoils handling and disposal, compacted subgrade and base rock, concrete forms, reinforcing steel, poured concrete, integral concrete color, embedded items, concrete finishing and sandblasting, waterproofing, expansion joints, specified backfill materials, excavation backfill and compaction, surface restorations, and all other associated items as shown or described on the Plans or these Specifications.

L. Bid Item 11 – Concrete Niche Wall

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment necessary to install concrete niche walls as shown on the Plans. This shall include submittals, surface demolition, excavation spoils handling and disposal, concrete forms, compacted subgrade and base rock, reinforcing steel, poured concrete, embedded items, concrete finishing, waterproofing, expansion joints, specified backfill materials, geotextile fabric and required drainage materials, excavation backfill and compaction, surface restorations, and all other associated items in accordance with these Plans and Specifications.

M. Bid Item 12 – Robin Sweeny Entry Sign and Wall

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to install the entry sign, including submittals, all excavation, compacted subgrade and base rock, concrete forms, poured concrete and reinforcing, concrete finishing, mock-up of lettering and installation of lettering, coordination with lighting and associated items in accordance with these Plans and Specifications.

N. Bid Item 13 – Concrete Entry Plinth Walls and Stairs

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to install the entry plinth walls and stairs and shall include all submittals, excavation, compacted subgrade and base rock, concrete forms, concrete reinforcing, concrete finishing and associated items in accordance with these Plans and Specifications.

O. Bid Item 14 – Color Stain at Play Area Walls

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.

This bid item includes all labor, materials, equipment and submittals required to install the specified color stain to exposed concrete surfaces related to the playground including surface preparation and related items in accordance with these Plans and Specifications.

P. Accessible Paths and Plaza

Bid Items 15A, Alternate 2A.4, Alternate 2B.4 and 2B.7, Alternate 2C.4 and 2C.5,- Concrete Flatwork

1. This bid item will be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, equipment, and materials necessary to install concrete flatwork including sidewalks, paths, landings, and ramps. This shall include submittals, mockups, excavation including spoils handling and disposal, subgrade compaction, compacted Class II aggregate base, sand, geogrid, concrete forms, embedded items, dowels, structural concrete, concrete finishing, expansion joints, control joints, joint sealant, surface restorations, and all other associated items in accordance with these Plans or Specifications.

Bid Items 15B, Alternate 2A.2, Alternate 2B.6, and Alternate 2C.6—Handrails at Accessible Ramps and Stairs

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to provide and install handrails where shown on the Plans or directed by the Construction Manager and shall include all submittals, layout, core drilling of concrete, grout patching and installation of handrails in accordance with these Plans and Specifications.

Bid Item 15C – Remove & Reset Existing Brick Pavers at Senior Plaza

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to remove existing brick pavers and re-set brick pavers, and shall include compaction of subgrade, installation of reinforced concrete sub-slab, mortar or bed, grouting joints, coordination with drainage inlets, coordination with and transition to adjacent surfaces and structures, and associated items in accordance with these Plans and Specifications.

Q. Bid Item 16 – New Brick Pavers at 5 Small Plazas

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install new brick pavers, and shall include submittals, compaction of subgrade, installation of reinforced concrete sub-slab, mortar or sand bed, grouting joints, coordination with new drainage inlets, coordination with and transition to adjacent surfaces and structures, and associated items in accordance with these Plans and Specifications.

R. Bid Item 17- Electrical System

1. This bid item will be full compensation for furnishing all labor, tools, materials, equipment and incidentals to install the electrical system and no additional payment will be made therefor. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. Electrical System work shall include but is not limited to submittals, trenching, excavation and backfill, conduits, wiring, light fixtures, pull boxes, GFCI receptacles, grounding, coordination of embedded electrical items with precast concrete posts and concrete items, record drawings, and furnishing all equipment and material associated therewith, and all incidentals in accordance with these Plans and Specifications.

S. Bid Item 18 – 42” High Ornamental Metal Fence at Concrete Wall

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, equipment and incidentals to install ornamental metal fence where shown on the Plans, and shall include all submittals, layout, embedment of posts, coordination of connection to precast concrete posts, and associated fence installation details in accordance with these Plans and Specifications.

- T. Bid Item 19 – 18” High Ornamental Metal Fence at Concrete Wall
1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
 2. This bid item includes all labor, materials, equipment and incidentals to install ornamental metal fence where shown on the Plans, and shall include all submittals, layout, embedment of posts, coordination of connection to precast concrete posts, and associated fence installation details in accordance with these Plans and Specifications.
- U. Bid Item 20 – 4’ Wide Accessible Entrance Gate at Play Area
1. This bid item shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
 2. This bid item includes all submittals, labor, equipment, and materials necessary to install gates, including layout, gate post footings, associated hardware and connections to adjacent fencing and structures, and all ancillary items in accordance with these Plans and Specifications.
- V. Bid Item 21 – 48” High Precast Concrete Post
1. This bid item will be for each concrete post installed. Payment will be based on the actual number of precast posts completed and in place as determined by the Construction Manager.
 2. This bid item includes all labor, equipment, and materials necessary to install precast concrete posts, and shall include all submittals, mockups, coordination with the precast manufacturer to provide appropriate inclusion of lighting fixtures, electric conduits and pull boxes, anchoring holes, fence mounting bracket connection, connection of posts to walls or other structures, concrete footing where applicable, and other associated items in accordance with these Plans and Specifications.
- W. Bid Item 22 – Landscape Improvements-Irrigation
- Bid Item 22A – Connect Irrigation Mainline to Existing Irrigation Mainline
1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
 2. This bid item includes all labor, materials and equipment required to disconnect and cap existing irrigation mainline at northwest and southwest corner of park and connect new irrigation mainline to existing irrigation mainline at both locations.
- Bid Item 22B – Main Pressure Irrigation Pipe (Irrigation Mainline)
1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.

2. This bid item includes all labor, materials, and equipment required to install irrigation mainline, and shall include submittals, excavation, pipe bedding, pipe connections, backfill and compaction, and all associated items in accordance with these Plans and Specifications.

Bid Item 22C – Drip Irrigation

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment required to install all components of the drip irrigation system, and shall include connection to PVC irrigation pipe, Dripperline and emitters, confirmation of irrigation coverage, all required relief and flush valves, and other associated items in accordance with these Plans and Specifications.

X. Bid Item 22D – Controller, Flow Sensor, Master Valve, and Pressure Regulator

1. This bid item will be lump sum full compensation for furnishing all labor, tools, materials, equipment and incidentals to install these irrigation control items, including coordination with and connection to existing and new irrigations systems, and no additional payment will be made therefor.
2. This bid item includes all labor, materials, and equipment required to provide and install the irrigation controller, flow sensor, master valve, and pressure regulator, to ensure that the components work together as a system, and shall include the specified controller and protective cabinet, including associated footings, electrical connections, excavation, backfill and compaction, boxes, and all associated items in accordance with these Plans and Specifications.

Y. Bid Item 22E – Remote Control Valves

1. This bid items shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, and equipment required to install irrigation remote control valves as shown on the Plans or as directed by the City, and shall include all connection to irrigation piping, electrical connections and wiring, valve installation and labelling, valve boxes, backfill and compaction, and all related items in accordance with these Plans and Specifications.

Z. Bid Item 22F – Ball Valves and Quick Coupler Valves

1. This bid item shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, and equipment required to install ball valves and quick coupler valves as shown on the Plans or as directed by the City. Item includes connection to irrigation piping,

excavation, boxes, backfill and compaction, and associated items in accordance with these Plans and Specifications.

AA. Bid Item 22 – Irrigation Heads

Bid Item 22G – Full Circle, Adjustable Arc, and Corner Stream Spray

Bid Item 22H – Flood Bubblers at Shrubs/Vines

Bid Item 22I – Pop-Up Bubblers at Trees

1. This bid item shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, and equipment required to install these irrigation heads, including connection to irrigation piping, excavation, adjustment, confirmation of irrigation coverage, and related items in accordance with these Plans and Specifications.

BB. Bid Item 23A – Sand Based Sod Mix

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment required to install turf as shown on the Plans, and shall include all soil preparation, soil amendment, grading, installation of sod, including all related items in accordance with these Plans and Specifications.

CC. Bid Item 23B – Native Bentgrass Sod

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment required to install turf as shown on the Plans, and shall include all soil preparation, soil amendment, grading, installation of sod, including all related items in accordance with these Plans and Specifications.

DD. Bid Item 23C – Mulch

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment required to install landscape mulch as shown on the Plans or directed by the City, and shall include fine grading of material in accordance with these Plans and Specifications.

EE. Bid Item 23D – Container Planting

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This item includes all labor, materials, and equipment required to install container planting as shown on the Plans or directed by the City, and shall include all grading of planting areas, soil amendment and fertilization, required plant spacing, and all other associated requirements in accordance with these Plans and Specifications.

FF. Bid Item 23 – Trees

Bid Item 23E – 24” Box Trees

Bid Item 23F – 36” Box Trees

Bid Item 23G – 48” Box Trees

1. This bid item shall be measured and paid for each item installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, and equipment required to install box trees of the species required and in locations shown on the Plans, and shall include transportation of the required tree species to the locations shown on the Plans or approved by the City, all potholing, excavation, soil amendment and fertilization, backfill, staking, and fine grading, and all associated items of work in accordance with these Plans and Specifications.

GG. Bid Item 24A – Synthetic Turf

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, material, and equipment required to install synthetic turf surfacing as shown on the Plans, and shall include all layout, submittals, mock-up, compaction of subgrade, geotextile liner, crushed stone bedding, foam underlayment material, mounding where shown, carpet backing, synthetic turf, drainage holes and drainage structures accommodation, connection and transition to all adjacent surfaces and structures, testing, and all associated details in accordance with these Plans and Specifications.

HH. Bid Item 24B – Poured in Place Rubber

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.

2. This bid item includes all labor, materials, and equipment required to install poured in place rubber surfacing as shown on the Plans, and shall include all submittals, layout, excavation, compaction of subgrade, concrete subslab, coordination and attachment with drainage structures, connection and transition to all adjacent surfaces and structures, testing, and all associated details in accordance with these Plans and Specifications.

II. Bid Item 24C – Sand Play Area

1. This bid item shall be measured in square feet. Measurement and payment for unit price work will be based on the actual number of square feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment required to install the sand play area, including all layout, excavation, compaction of subgrade, filter fabric, placement and grading of sand, coordination with drainage structures and adjacent structures, and all other details in accordance with these Plans and Specifications.

JJ. Bid Item 24D – Transfer Station

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to install the transfer station, including shop drawings, excavation, compaction of subgrade, concrete forms, concrete reinforcement, concrete pouring and embedment items, lumber construction, railings, coordination and attachment with adjacent surfaces and structures, and all related details in conformance with these Plans and Specifications.

KK. Bid Item 24E – Lumber Topped Concrete Walls

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install lumber topped concrete wall as shown on the Plans. This shall include submittals, surface demolition, excavation spoils handling and disposal, concrete forms, reinforcing steel, poured concrete, embedded items, concrete finishing and sandblasting, waterproofing, expansion joints, specified backfill materials, geotextile fabric and required drainage materials, excavation backfill and compaction, surface restorations, lumber, and all other associated items in conformance with these Plans or these Specifications.

LL. Bid Item 24F – Willow Forest Play Areas

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install the willow forest play areas as shown on the Plans, and includes all layout, excavations, coordination and interface with adjacent surfaces and structures, and related details in conformance with these Plans and Specifications.

MM. Bid Item 24G – Elephant Play Spin Tree (Rotating Deck with Net)

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install this play item and includes layout, excavations, footing with concrete reinforcement, coordination with adjacent surfacing, and all associated details in conformance with these Plans and Specifications.

NN. Bid Item 24H – Climbing Handholds

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to install climbing handholds as shown on the Plans or directed by the City, including connection with concrete slab and coordination with rubber surfacing and adjacent structures, and all related details in conformance with these Plans and Specifications.

OO. Bid Item 24I – Landscape Structures: Custom Hill Climb (Starseeker), Swing, 64” Height Cloudburst Slide

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install these play items, and shall include all layout, excavations or footings, coordination with adjacent surfacing, adjacent structures and drainage facilities, and all related details in conformance with these Plans and Specifications.

PP. Bid Item 24J – Freenotes Harmony Park Chimes

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install this play item and includes all layout, excavations, footings, coordination with adjacent surfacing and structures, and all related details in conformance with these Plans and Specifications.

QQ. Bid Item 24K – Dock Bench

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install this play item, including all layout, excavations, footings, concrete forms and reinforcement, structural backfill and compaction, embedment of fence posts, top boards and fasteners, coordination with adjacent surfacing and structures, and all related details in conformance with these Plans and Specifications.

RR. Bid Item 25A – 30' Flagpole

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install the flagpole and includes submittals, layout, excavation, concrete drilled pier with reinforcing steel, steel base plate, corrugated steel tube and grounding rod, temporary bracing of flagpole during construction, dry plaster sand, caulking, and coordination with adjacent surfacing and flagpole lighting, and all associated details in conformance with these Plans and Specifications.

SS. Bid Item 25B – Newspaper Rack

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to install the existing relocated newspaper rack and includes anchors into surface and coordination with adjacent surfacing, and all associated details in conformance with these Plans and Specifications.

TT. Bid Item 25C – Dog Station

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install a dog station per City standard and includes setting in planted area, and all associated details in conformance with these Plans and Specifications.

UU. Bid Item 25D – Drinking Fountain

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, and equipment required to furnish and install the drinking fountain and includes submittals, layout, excavation, concrete footing with reinforcing steel, drain line, dry well,

cleanout with Christy box with concrete lid, drinking fountain water valve with Christy Box with iron lid, compacted subgrade, drain rock, caulking, anchors and mounting hardware and coordination with adjacent surfacing and water line and storm drainage, and all associated details in conformance with these Plans and Specifications.

VV. Bid Items Alternate 1 and Alternate 2C.3- Lumber Topped Walls with Skate Deterrence

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to install lumber topped concrete wall as shown on the Plans. This shall include submittals, surface demolition, excavation spoils handling and disposal, concrete forms, reinforcing steel, poured concrete, embedded items, concrete finishing and sandblasting, waterproofing, expansion joints, specified backfill materials, geotextile fabric and required drainage materials, excavation backfill and compaction, surface restorations, lumber, and all other associated items as shown or described on the Plans or these Specifications.

WW. Bid Items Alternate 2A.5 and 2C.7- Chain Link Fence- 12' High

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to provide and install chain link fence with fence fabric where shown on the Plans and shall include all layout, fence post footings, and installation of fence posts and fence fabric in accordance with these Plans and Specifications.

XX. Bid Item Alternate 2A.6- Fence Fabric- 12' High

1. This bid item shall be measured in lineal feet. Measurement and payment for unit price work will be based on the actual number of linear feet complete and in place as determined by the Construction Manager.
2. This bid item includes all labor, materials, and equipment to provide and install chain link fence fabric onto existing fence posts where shown on the Plans.

YY. Bid Items Alternate 2B.1 - ADA Compliant Parking Space

1. This bid item to construct an ADA Compliant Parking Space shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item shall include construction of an ADA compliant parking space including curb ramp, detectable warning surface (truncated domes),

landings, transition areas, curb and gutter, and asphalt concrete (removal and replacement), sign and sign post, and striping as identified in the Plans to conform to the existing roadway and new accessible path into the park.

ZZ. Bid Items Alternate 2B.2 and 2C.1- ADA Compliant Curb Ramps

1. This bid item will be for each ADA Compliant Curb Ramp. Payment will be based on the actual number of compliant curb ramps completed.
2. This bid item shall include construction of an ADA compliant concrete ramp with detectable warning surface (truncated domes), landings, transition areas, curb and gutter immediately adjacent to the ramp, and asphalt concrete (removal and replacement) adjacent to new curb and gutter, sleeves for sign posts, temporary signs, and storm drain frame and grate as identified in the Plans to conform to the existing roadway and new accessible path into the park.

AAA. Bid Items Alternate 3 – Dust Free Method of Sandblast Finish

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item shall include all labor, materials, and equipment to provide a dust free method of obtaining a concrete finish equivalent to a medium sandblast finish. This method would be applied at walls shown to have a medium sandblast finish and would be in lieu of sandblasting.

BBB. Bid Item Alternate 4A – Whale Art Fence

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, equipment and incidentals to provide and install whale art fence as shown on the Plans, and shall include all layout, existing tree and tree root protection, footings for posts including hand digging of footings to protect existing tree, galvanized steel backing plate, relocating and repair of existing whale art, and associated whale art installation details in accordance with these Plans and Specifications.

CCC. Bid Alternate 4B – Seal Statue

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, equipment and incidentals to provide and install seal statue (sculpture) as shown on the Plans, and shall include submittals, precast concrete sculpture with inset smooth art tiles, integral color concrete and grout, anchors, and associated seal sculpture installation details in accordance with these Plans and Specifications.

DDD. Bid Alternate 4C – Art Fence Animals

1. This bid item shall be measured and paid for each item furnished and installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, equipment and incidentals to provide and install animal art shapes as shown on the Plans, and shall include submittals, sheet metal animal shapes, and hardware for mounting animal shapes on top rail of ornamental fence in accordance with these Plans and Specifications.

EEE. Bid Alternate 4D – Pelican Statue

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items.
2. This bid item includes all labor, materials, equipment and incidentals to remove and relocate existing pelican statue as shown on the Plans, and shall include relocating and mounting of pelican statue in accordance with these Plans and Specifications.

FFF. Bid Alternate 5 – Bike Gardens

1. This bid item shall be measured and paid for each item furnished and installed as shown on the Plans or as directed by the City.
2. This bid item includes all labor, materials, equipment and incidentals to provide and install bike gardens as shown on the Plans, and shall include submittals, all layout, footings for bike rack including rebar anchor pin, compacted base rock and compacted subgrade, and bike garden bike rack including installation details in accordance with these Plans and Specifications.

GGG. Bid Alternate 6 – Planting Establishment

1. This bid item shall be measured and paid for each month of plant maintenance provided by the Contractor as described in the Specifications or as directed by the City.
2. This bid item includes all labor, materials, and equipment to provide planting establishment maintenance as required in the Specifications.

1.03 LUMP SUM PAYMENT ITEMS

- A. Payment items for the Project for which Contract lump sum payments will be made are as listed in the Bid Schedule.
- B. Payment for each lump sum item provides full compensation for furnishing the labor, materials, tools, and equipment and doing all the work involved to complete the work covered by each item and included in the Contract Documents. Costs for items of Work, not specifically mentioned to be included in a particular lump sum or unit price payment item, but deemed incidental to the Work to be

considered complete, shall be included in the listed lump sum item most closely associated with the Work involved.

- C. The lump sum price and payment made for each item listed shall be for performing all work required to complete the item and for which separate payment is not otherwise provided.
- D. Contractor shall submit a Schedule of Values for lump sum items. Provide itemized costs of lump sum items to facilitate progress payments of lump sum items that will take longer than one month to complete and are not tied to overall project completion.

1.04 UNIT PRICE PAYMENT ITEMS

- A. Payment items for the Project on which the Contract unit price payments will be made are as listed in the approved Bid Schedule.
- B. Each unit price item provides full compensation for furnishing the labor, materials, tools, and equipment and doing all the work involved to complete the work covered by each item and included in the Contract Documents. Measurement and payment stipulations are as detailed in the Specifications.

1.05 BID SCHEDULE QUANTITIES

- A. Contract quantities are those quantities that have been calculated from the neat lines shown on the Plans and Specifications with no allowance for so-called shrinkage, swelling or settlement.
- B. When the Plans and Specifications have been altered or when disagreement exists between the Contractor and the Construction Manager as to the accuracy of the Plan and Specification quantities, either party shall, before any work is started that would affect the measurement, have the right to request in writing a change to the noted quantity.

1.06 SCHEDULE OF VALUES

- A. In addition to the requirements stated in Contract Documents, the Schedule of Values shall be in the form of an Excel hardcopy spreadsheet along with the electronic file on a disk. A Schedule of Values shall be submitted for each bid item as directed by the Construction Manager. Each component of work shall be consistent with the Contractor's Construction Schedule as defined in Section 01310 PROGRESS SCHEDULES. Construction Manager will use the approved Schedule of Values to assist in determining monthly progress payments for associated bid items, but will pay for work in terms of percentages actually completed.
- B. Lump Sum bid items as listed in the Bid Schedule submitted by the Contractor with the accepted bid shall be included in a separate detailed Schedule of Values

addendum. Each lump sum item shall be as included on the Bid Schedule and shall indicate the portion of the lump sum expected to be requested for each month for the period of the Project. Construction Manager will use this information for reviewing and approving partial payments for these items.

- C. Construction Manager will review the Schedule of Values to assure that item breakdowns are reasonable and balanced. Before any work associated with Schedule of Value items can commence, Construction Manager must approve the Schedule of Values. When approved, they will be used in reviewing and approving the associated bid items to be included in the monthly partial payment requests.
- D. Updates and proposed changes to cash flow and Schedule of Values shall be submitted with the monthly partial payment request. Construction Manager will review the updates and proposed changes and advise the Contractor as to their acceptance, modification, or rejection.

1.07 CHANGES AND EXTRA WORK

- A. Measurement and payment of changes and extra work shall be as detailed in the Contract Documents.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION