

PROJECT 1801 FRONTAGE ROAD LIVING GREEN TRAIL PROJECT

ADDENDUM NO. 4

ALL PROSPECTIVE BIDDERS are hereby notified that changes to the bidding documents for Project 1801; FRONTAGE ROAD LIVING GREEN TRAIL PROJECT are to be made to the Contract Documents. The additions and/or deletions contained in this Addendum shall be made part of the plans and specifications, Special Provisions, and contract documents for the above-described project, and shall be subject to all applicable requirements thereunder, as if originally shown and/or specified. The changes and clarifications (additions shown in underline, removals shown in strikeout) are as follows:

1. QUESTIONS:

- 1) See Attachment A for Pre-Bid Question and Answer Responses

2. BID DEADLINE

NONE

3. PLANS/SPECIFICATIONS

- a. Please be advised of the following revisions/additions to the contract documents:
 - i. **Bid Schedule_Add4**
 - ii. **Section 01 22 00 - Unit Prices_Add4**

4. CLARIFICATIONS

- a. Please be advised of the following clarifications to the contract documents:

NONE

BIDDERS MUST SIGN AND ATTACH one (1) copy of this addendum document to the proposal as acknowledgment of receipt of these instructions and that said addendum was properly evaluated in the proposal.

ANY PROPOSAL NOT IN COMPLIANCE WITH THIS ADDENDUM MAY BE REJECTED.



Issued: 10-27-23

Dayne Johnson, P.E.
Assistant City Engineer

Addendum No. 4, Project 1801; FRONTAGE ROAD LIVING GREEN TRAIL PROJECT is hereby acknowledged and was considered in this Project Proposal.

Bidder's Signature

Date

Firm Name

Mailing Address

City/State/Zip+4

ATTACHMENT A

Frontage Road Trail Pre-Bid Q & A- 10-27-2023

1. **Q: We have concerns regarding the RFI response 34.j. "Contractor shall assume that overexcavation and lime treatment is necessary in the areas of the trail and vehicular pavement, curb and gutter, vertical curb, and concrete ramps.."**

Where this is referenced in the specifications it references the large areas of cuts in the sportsfield leading us to believe this isn't for this project. The referenced specification section 31 05 13 mentions over-excavating 3 feet below subgrade in the hardscape areas. If we're required to over-excavate to this depth, table the material, and limetreat this will be a huge cost pushing the project cost well above the engineers estimate.

Furthermore, if we are required to cut 3', and table the material, we would expect to get paid under the rough grading bid item which would now have a bust.

If the 3' overexcavation is waived, we'll still be required to overexcavate and table the material 1' as most of the hardscape widths are too small to limetreat without tabling. Not common to limetreat a trail like this, especially with the effect the lime can have on the planting.

Please reconsider this requirement.

A: The over excavation or lime treatment requirement shall be removed. Contractor shall scarify and recompact the subbase material to 90% Relative compaction in areas of the trail and vehicular pavement, curb and gutter, vertical curb, and concrete ramps. If the compaction is not met the contractor shall repair the area with 6 inches of aggregate base with geotextile fabric.

2. **Q: Can I receive a plan holders' list for the referenced project above?**

A: Currently there are no contractors on the plan holders list. Check with the Bid Boards for additional information.

3. **Q: Many of the bid items which addendum 3 said were added weren't added to the bid form. Furthermore, the pay item description for the vertical curb and valley gutter didn't make it into the addendum.**

A: See attached revised Bid Schedule and Section 01 22 00 Unit Prices

Bid Schedule

This Bid Schedule must be completed in ink and included with the sealed Bid Proposal. Pricing must be provided for each Bid Item as indicated. Items marked "(SW)" are Specialty Work that must be performed by a qualified Subcontractor. The lump sum or unit cost for each item must be inclusive of all costs, whether direct or indirect, including profit and overhead. The sum of all amounts entered in the "Extended Total Amount" column must be identical to the Base Bid price entered in Section 1 of the Bid Proposal form.

AL = Allowance CF = Cubic Feet CY = Cubic Yard EA = Each LB = Pounds
 LF = Linear Foot LS = Lump Sum SF = Square Feet TON = Ton (2000 lbs)

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
Base Bid					
1	Clear and Grub	58,000	SF	\$	\$
2	Demolition - AC Paving	19,500	SF	\$	\$
3	Demolition - Curb and Gutter	1,370	LF	\$	\$
4	Demolition - Utilities	10	LF	\$	\$
5	Sawcut	1,400	LF	\$	\$
6	Tree Protection	3	EA	\$	\$
7	Tree Removal	2	EA	\$	\$
8	Rough Grading	2,500	CY	\$	\$
9	Fine Grading	80,400	SF	\$	\$
10	Asphalt Pavement-Trail	180	TON	\$	\$
11	Asphalt Pavement-Vehicular	147	TON	\$	\$
12	Aggregate Base	310	CY	\$	\$
13	Concrete Curb and Gutter	1,400	LF	\$	\$
14	Curb Ramp	4	EA	\$	\$
15	Striping Thermoplastic	30	LF	\$	\$
16	Pedestrian Concrete Paving (REMOVED)	0	SF	\$	\$
17	Redwood Header	5,775	LF	\$	\$
18	Decomposed Granite	5,955	SF	\$	\$
19	Storm Drain Piping 6" Perforated	663	LF	\$	\$
19A	Storm Drain Piping 6" Solid	100	LF	\$	\$
20	6" Storm Drain cleanout	7	EA	\$	\$
21	Storm Drain Bubbler	4	EA	\$	\$
22	Catch Basin	6	EA	\$	\$
23	Bioretention Soil Mix	195	CY	\$	\$

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
23A	Class II Permeable AB	132	CY	\$	\$
24	Import Soil	985	CY	\$	\$
25	Plant Establishment Period- 90 days	1	LS	\$	\$
26	Mulch (Bark)	39,682	SF	\$	\$
27	Pea Gravel for Storm Water Treatment Area	0	SF	\$	\$
28	Tree - 24" Box	65	EA	\$	\$
29	Shrub planting - 1 Gal	732	EA	\$	\$
30	Shrub Planting- 5 Gal	415	EA	\$	\$
31	Root Barrier	740	LF	\$	\$
32	Irrigation Controller	1	EA	\$	\$
33	Master Valve, Flow Sensor	1	EA	\$	\$
34	Irrigation Backflow Preventer Enclosure	1	EA	\$	\$
35	Tree bubbler (2 per tree)	130	EA	\$	\$
36	Irrigation Remote Control Valve	22	EA	\$	\$
37	Irrigation Gate Valve	9	EA	\$	\$
38	Irrigation Quick Coupler Valve	11	EA	\$	\$
39	Irrigation Conduit	10	LF	\$	\$
40	Bubbler at Shrub (1 per shrub)	1,147	EA	\$	\$
41	Irrigation Low Voltage Wire	1	LS	\$	\$
42	Irrigation Mainline	1,460	LF	\$	\$
43	Irrigation Lateral Line	9,528	LF	\$	\$
44	Irrigation Sleeves	135	LF	\$	\$
45	Sanitary Sewer Clean Out - 4"	1	EA	\$	\$
46	Sanitary Sewer Piping - 4"	93	LF	\$	\$
47	Sewer Main Connection	1	EA	\$	\$
48	Backflow Preventer	1	EA	\$	\$
49	Water Meter Box - Domestic/Irrigation	2	EA	\$	\$
50	Water Line Main Lateral - Domestic/Irrigation	105	LF	\$	\$
51	Water Main Connection- Domestic/Irrigation	2	EA	\$	\$
52	Bike Rack	2	EA	\$	\$
53	Boulder	26	EA	\$	\$

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
54	Bike Repair Station	1	EA	\$	\$
55	Dog Waste Dispenser	1	EA	\$	\$
56	Rip Rap	101	TON	\$	\$
57	Install City Furnished Pedestrian Post Top Light- 20ft pole and foundation	12	EA	\$	\$
58	Install City Furnished Roadway Luminaire – 32ft pole and foundation	6	EA	\$	\$
59	Security Cameras Make-Ready (Conduits, Conductors, and Pull Boxes)	1	LS	\$	\$
60	Service Cabinet	1	EA	\$	\$
61	Electrical Systems – Conduits, Conductors, and Pull Boxes	1	LS	\$	\$
62	Construction Surveying	1	LS	\$	\$
63	SWPPP	1	LS	\$	\$
64	Traffic Control	1	LS	\$	\$
65	Mobilization	1	LS	\$	\$
66	6” Vertical Curb	170	LF	\$	\$
67	Valley Gutter	150	LF	\$	\$
68	Adjust Utility Structures to Grade	2	EA	\$	\$
69	Demolition - Fencing	220	LF	\$	\$
Subtotal — Base Bid:					\$
ADD ALTERNATE # 1 Fitness Station					
1	Concrete Mowband	128	LF	\$	\$
2	Synthetic Rubber Surfacing	989	SF	\$	\$
3	Storm Drain Piping 6” Perforated	100	LF	\$	\$
4	6” Storm Drain Cleanout	5	EA	\$	\$
5	Storm Drain Piping 6” Solid	100	LF	\$	\$
6	Fitness Station	1	LS	\$	\$
7	Import Soil/Planting/Mulch Deduct	989	SF	\$	-\$
Subtotal — Add Alternate #1:					\$

TOTAL BASE BID: Items 1 through _____
inclusive: \$ _____
TOTAL ADD ALTERNATE#1 BID: Items 1 through _____
inclusive: \$ _____

Note: The amount entered as the "Total Base Bid" and Total Add Alternate#1 Bid should be identical to the Base Bid and Add Alternate#1 Bid amount entered in Section 1 of the Bid Proposal form.

BIDDER NAME: _____

END OF BID SCHEDULE

SECTION 01 22 00 –UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section specifies procedures and requirements for measurement and payment for unit price items listed on the Bid Form for each unit of work described herein.
- B. Refer to Division 00 General Conditions and Division 00 Article 8 – Payment for related requirements pertaining to change orders, payments and unit prices.
- C. Prices:
 - 1. In addition to Base Bid, Bidder shall quote unit prices, in appropriate spaces on Bid Form for each unit of work as described herein. Change Orders shall be based on unit prices quoted on Bid Form for applicable work.
 - 2. In event any unit price quoted appears to compare unfavorably with currently established prices for type of work, City reserves the right to require quoted price to be substantiated or adjusted prior to execution of contract.
 - 3. Unit prices listed on the Bid Form for the following items shall constitute full and complete compensation for each unit, and shall include cost of temporary and administrative work, permits, bonds, insurance, sales taxes, overhead, profit and every other expense, direct or indirect, incident to accomplishment of work under each item.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.1 MEASUREMENT

- A. Measurement of quantities for payment shall be made or determined by City's Inspector.
 - 1. Volume of any material shall be based on information included with Drawings and additional measurements obtained by Inspector, or by combination of such information, or in a manner which, in the opinion of the Inspector, is best suited to obtain necessary accuracy.

2. In case of unit prices based upon weight measurement, certified weight tickets shall be supplied at time of delivery of materials.
3. Excess materials delivered to the site, but not incorporated in the work, shall not be paid for.

3.2 UNIT PRICE ITEMS

A. Bid Item No 1 – Clear and Grub:

1. Basis of Measurement: By square foot, unless specified otherwise.
2. Basis of Payment: Clearing and grubbing shall be paid for at the contract square foot price, which includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in clearing and grubbing as shown on the plans, as specified and as directed by the Project Manager, including the removal and disposal of all the resulting material.

B. Bid Item No 2 - Demolition- AC Paving:

1. Basis of Measurement: By per square foot, unless specified otherwise.
2. Basis of Payment: The Contract square foot price for “Demolition – AC Paving” shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all work involved in demolition of AC paving, including remove asphalt paving and base to design subgrade, and other items of work as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.
3. Demolition – AC Paving includes removal, off-haul, and legal disposal of incidental items included in the scope as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.

C. Bid Item No 3 - Demolition- Curb and Gutter:

1. Basis of Measurement: By lineal foot, unless specified otherwise.
2. Basis of Payment: The Contract linear foot price paid for “Demolition – Curb and Gutter” shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all work involved in curb and gutter demolition, including demolition and removal of curb and gutter and base to design subgrade as specified in the plans and per the Standard Specification and the Technical Specifications, and as directed by the Project Manager.
3. Demolition- Curb and Gutter includes removal, off-haul, and legal disposal of incidental items included in the scope as specified in the plans, Standard

Specification and the Technical Specifications, and as directed by the Project Manager.

D. Bid Item No 4 - Demolition- Utilities:

1. Basis of Measurement: By lineal foot, unless specified otherwise.
2. Basis of Payment: The Contract linear foot price paid for "Demolition - Utilities" shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all work involved in utility demolition, including terminating and removing utilities to be demolished as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.
3. Demolition - Utilities includes removal, off-haul, and legal disposal of incidental items included in the scope as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.

E. Bid Item No 5 – Sawcut

1. Basis of Measurement: By lineal foot, unless specified otherwise.
2. Basis of Payment: The Contract linear foot price paid for "Sawcut" shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all work involved in sawcutting as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.
3. Sawcut includes removal, off-haul, and legal disposal of incidental items included in the scope as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.

F. Bid Item No 6 – Tree Protection

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract Documents.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, and incidentals including but not limited to Tree protection, coordination with City Representative/Arborist, temporary irrigation, supplemental watering, mulching, tree pruning, landscape planting and irrigation replacement of existing work which is damaged, and for doing all work involved in Landscape Preservation as shown on the plans, as specified and as directed by the Engineer, including the removal and disposal of all the resulting material.
3. Tree Protection includes standard construction fencing and posts. Includes review and approval by the Engineer.

G. Bid Item No 7 – Tree Removal

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract Documents.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in tree removal and stump removal as shown on the plans, as specified, and as directed by the Engineer, including the removal and disposal of all the resulting material.
3. This bid item is for the removal and disposal of all trees with a trunk diameter size of six inches or greater including the root balls.

H. Bid Item No 8 - Rough Grading

1. Basis of Measurement: By cubic yard of the rough graded, movement of earthwork, and compacted soil.
2. Basis of Payment: Includes excavating existing subsoil, verifying if existing subsoil meets the select fill requirements, supplying select fill, materials, stockpiling, maintaining, moving, placing, rough grading, and compacting of select fills as specified in the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.
3. **Rough Grading shall include moving, spreading, and leveling of excess material on site as directed by the City's Representative.**

I. Bid Item No 9 - Fine Grading

1. Basis of Measurement: By square foot of the compacted and fine graded soil.
2. Basis of Payment: Fine Grading shall be paid for at the contract square foot price, which includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in fine grading as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as specified and as directed by the Project Manager.

J. Bid Item No 10 – Asphalt Pavement -Trail

1. Basis of Measurement: By ton and shall be based on certified weight-meters certificates showing gross, net weight and the type and grading of the mix for each load unless specified otherwise on the Bid Form.
2. Basis of Payment: Shall include but not limited to furnishing all labor, materials, tools, equipment, incidentals, excavation, samples, mockups,

pre-emergent, AC pavement, stabilizer, compaction testing, sub-base preparation, and for doing all the work involved in installing Trail Pavement, complete in place as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

K. Bid Item No 11 – Asphalt Pavement -Vehicular

1. Basis of Measurement: By ton and shall be based on certified weight-meters certificates showing gross, net weight and the type and grading of the mix for each load unless specified otherwise on the Bid Form.
2. Basis of Payment: Shall include but not limited to furnishing all labor, materials, tools, equipment, incidentals, excavation, samples, mockups, pre-emergent, AC pavement, stabilizer, compaction testing, sub-base preparation, and for doing all the work involved in installing Trail Pavement, complete in place as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

L. Bid Item No 12 - Aggregate Base

1. Basis of Measurement: By the cubic yard as specified in the bid form. Quantities of aggregates shall be calculated on the basis of dimensions shown on the plans. No allowance shall be made for aggregate rejected or placed outside said dimensions unless otherwise order by the Project Manager.
2. Basis of Payment: Includes full compensation for furnishing all labor, materials, tools, equipment and incidentals, in installing aggregate base, stockpiling, scarifying subgrade surface, placing where required, watering, dust palliative, leveling, compacting and certifying the top of aggregate base design grades as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

M. Bid Item No 13 - Concrete Curb and Gutter

1. Basis of Measurement: By linear feet for concrete curb and gutters. Concrete pads around utility facilities and miscellaneous concrete footings are incidental to the bid item most closely related to and no separate compensation allowed therefor. Retaining curbs at curb ramps are not measured and are considered incidental to the measurement of curb ramps. Curb and gutter adjacent to the curb ramp shall be measured separately. Adjacent deep lift AC shall be included in the bid item.
2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals including subgrade preparation, excavation, base preparation, forms, reinforcing, concrete, accessories, placing concrete, finishing

concrete, expansion joints, weakened plane joints, scoring joints, curing, removal of all forms, and testing as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

N. Bid Item No 14 - Curb Ramp

1. Basis of Measurement: By unit, Each, for Concrete Curb Ramps. Concrete pads around utility facilities and miscellaneous concrete footings are incidental to the bid item most closely related to, and no separate compensation allowed therefor. **Truncated domes, adjacent deep lift AC plug, clearing and grubbing, and adjacent landscaping/irrigation are considered incidental and as part of the pay item for Curb Ramps.**
2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals including clearing and grubbing, subgrade preparation, excavation, base preparation, forms, reinforcing, concrete, accessories, placing concrete, finishing concrete, expansion joints, weakened plane joints, scoring joints, curing, removal of all forms, testing, installation of the truncated domes, deep lift AC plug, and replacement of landscaping/irrigation as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

O. Bid Item No 15 – Striping -Thermoplastic

1. Basis of Measurement: By lineal foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for installation as shown on the plans, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

~~P. Bid Item No 16 – Pedestrian Concrete Paving – REMOVED~~

- ~~1. Basis of Measurement: By Square Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.~~
- ~~2. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, excavation, subgrade preparation, aggregate base, base preparation, compaction testing, Portland cement mix, finishes, sand, reinforcing steel, accessories, mock-up panels of each paving type, placing concrete, finishing concrete, expansion joints, weakened plane joints, scoring joints, curing, removal of all forms, testing, and for doing all the work involved in installing Pedestrian Concrete Paving, complete in place as required by the contract documents and as directed by the Engineer.~~

Q. Bid Item No 17 – Redwood Header

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, excavation, subgrade preparation, redwood headers and stakes, and for doing all the work involved in installing Redwood Header, complete in place as shown on the plans, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

R. Bid Item No 18 - Decomposed Granite

1. Basis of Measurement: The contract price paid per square foot for decomposed granite.
2. Basis of Payment: Shall include full compensation all labor, materials, tools, equipment, and incidentals required for installation of decomposed granite including subgrade preparation, excavation, and base preparation as shown on the plans, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

S. Bid Item No 19 - Storm Drain Piping 6” Perforated

1. Basis of Measurement: Storm Drainage Piping shall be measured by linear foot of pipe installed, measured from edge of structure to edge of structure for various pipe materials and various sizes irrespective of the depth of pipes.
2. Basis of Payment: The contract price paid per linear foot for Storm Drainage piping shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Storm Drainage Piping, complete in place including bends, elbows or other pipe fittings, saw cut, excavating to required elevations, all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), removing excavated materials, dewatering, bedding, cradles, backfill and backfill material, pipe installation with warning tape, restoration and disposing of materials outside the Right-of-Way and connections to existing or new storm drainage mains and manholes.

T. Bid Item No 19 A - Storm Drain Piping 6” Solid

1. Basis of Measurement: Storm Drainage Piping shall be measured by linear foot of pipe installed, measured from edge of structure to edge of structure for various pipe materials and various sizes irrespective of the depth of pipes.

2. Basis of Payment: The contract price paid per linear foot for Storm Drainage piping shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Storm Drainage Piping, complete in place including bends, elbows or other pipe fittings, saw cut, excavating to required elevations, all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), removing excavated materials, dewatering, bedding, cradles, backfill and backfill material, pipe installation with warning tape, restoration and disposing of materials outside the Right-of-Way and connections to existing or new storm drainage mains and manholes.

U. Bid Item No 20 – 6” Storm Drain Cleanout

1. Basis of Measurement: By Each for storm drain cleanouts.
2. Basis of Payment: Includes sawcut, excavation, including all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), traffic-rated box, riser, accessories, concrete collar, tests, backfill and surface restoration as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

V. Bid Item No 21 – Storm Drain Bubbler

1. Basis of Measurement: Storm Drain Bubblers are measured by each. Structure bedding and backfill are incidental to the bid item most closely related to and no separate compensation allowed therefor.
2. Basis of Payment: Includes excavating, all utility trenching work as specified in Section 31 23 16 – Utility Trenching, concrete foundation slab, concrete structure sections, bedding, backfill, concrete masonry structure construction, transition to cover frame, cover frame and cover to indicated design depth, forming, sealing pipe inlets and outlets and air testing of structures as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

W. Bid Item No 22 - Drainage Catch Basins

1. Basis of Measurement: Drainage Catch Basins are measured by each. Structure bedding and backfill are incidental to the bid item most closely related to and no separate compensation allowed therefor.
2. Basis of Payment: Includes excavating, all utility trenching work as specified in Section 31 23 16 – Utility Trenching, concrete foundation slab, concrete structure sections, bedding, backfill, concrete masonry structure construction, transition to cover frame, cover frame and cover to indicated design depth, forming, sealing pipe inlets and outlets and air testing of structures as shown on the plans, project soils report, Standard

Specifications and the Technical Specifications, and as directed by the Project Manager.

X. Bid Item No 23 - Bioretention Soil Mix

1. Basis of Measurement: By cubic yard, complete in place.
2. Basis of Payment: Includes supplying and installation of Bioretention soil mix and materials, stockpiling, maintaining, moving, placing, grading, and compaction as shown on the plans, project soils report, Standard Specifications, and the Technical Specifications, and as directed by the Project Manager.

Y. Bid Item No 23A – Class II Permeable AB

1. Basis of Measurement: By cubic yard, complete in place.
2. Basis of Payment: Includes supplying and installation of Class II Permeable Aggregate Base materials, stockpiling, maintaining, moving, placing, grading, and compaction as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

Z. Bid Item No 24 – Import Topsoil

1. Basis of Measurement: By Cubic Yard as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for full compensation for furnishing all labor, materials, tools, equipment, incidentals, soil testing report, and for doing all the work involved in installing Import Topsoil, complete in place as required by the contract documents and as directed by the Engineer.

AA. Bid Item No 25 – Plant Establishment Period (90 days)

1. Basis of Measurement: By Square Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, soils testing, bark mulch, fertilizers, weed control, and for doing all the work involved in Plant Establishment Period (90 days) complete in place as required by the contract documents and as directed by the Engineer.

BB. Bid Item No 26 – Mulch (Bark)

1. Basis of Measurement: By Square Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.

2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, pre-emergent, mulch, and for doing all the work involved in installing Mulch, complete in place as required by the contract documents and as directed by the Engineer.

~~CC. Bid Item No 27 – Pea Gravel for Storm Water Treatment Areas – REMOVED~~

- ~~1. Basis of Measurement: The contract price paid per square foot for pea gravel.~~
- ~~2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals required for installation.~~

BB. Bid Item No 28 – Tree - 24" Box

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, excavation, tree stakes, tree ties, fine grading, soil preparation and amendment with compost and organic fertilizers, maintenance fertilization, warranties, and for doing all the work involved in installing in installing Tree (24"-Box), complete in place as required by the contract documents and as directed by the Engineer.

CC. Bid Item No 29 – Shrub Planting -1 Gallon

1. Basis of Measurement: By Each for shrubs complete in place, unless otherwise specified.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, 1-gallon shrubs, fine grading, soil preparation and amendment with compost and organic fertilizers, maintenance fertilization, warranties, replacements, and for doing all the work involved in installing Shrub Planting - 1-Gallon, complete in place as required by the contract documents and as directed by the Engineer.

DD. Bid Item No 30 - Shrub planting – 5 Gal

1. Basis of Measurement: By Each for shrubs complete in place, unless otherwise specified.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, 5-gallon shrubs, fine grading, soil preparation and amendment with compost and organic fertilizers, maintenance fertilization, warranties, replacements, and for doing all the work involved in installing Shrub Planting - 5-Gallon,

complete in place as required by the contract documents and as directed by the Engineer.

EE. Bid Item No 31 – Root Barrier

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, root barrier, and warranties and for doing all the work involved in installing Root Barrier, complete in place as required by the contract documents and as directed by the Engineer.

FF. Bid Item No 32 – Irrigation Controller

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, rain sensor, cellular network card, concrete pad, conduit, electrical connections, irrigation controller, and for doing all the work involved in installing Irrigation Controller complete in place as required by the contract documents and as directed by the Engineer.
3. All Irrigation items required for a complete, automated and operational irrigation system including but not limited to all clean-up, inspections, approvals, adjustments, enclosure, testing record contract drawings, replacements, concrete footings, thrust blocks, fittings, pull rope, pea gravel, bricks, electrical boxes, valve boxes, risers, waterproof connections, replacement of unsatisfactory materials, trenching, stockpiling, excavation, backfill materials, refilling trenches, compaction, and warranty will not be measured separately for payment. All costs therewith shall be considered incidental to and included with the applicable items of irrigation work.

GG. Bid Item No 33 – Irrigation Master Valve and Flow Sensor

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, flow sensor cable & master valve wires, 1" PVC conduit and low voltage wires extended to new controller and for doing all the work involved in installing Irrigation Master Valve and Flow Sensor complete in place as required by the contract documents and as directed by the Engineer.

HH. Bid Item No 34 – Irrigation Backflow Preventer Enclosure

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
 2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, enclosure, concrete pad, freeze blankets, bolts, incidentals, and for doing all the work involved in installing Irrigation Backflow Enclosure complete in place as required by the contract documents and as directed by the Engineer.
- II. Bid Item No 35 – Irrigation Tree Bubblers (2 per tree)
1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
 2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, tree bubblers, and for doing all the work involved in installing Irrigation Tree Bubbler (2 per tree) complete in place as required by the contract documents and as directed by the Engineer.
- JJ. Bid Item No 36 – Irrigation Remote Control Valves
1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
 2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, irrigation quick coupler and remote control valve assembly, valve box, drain rock, bricks, wire mesh, fittings, connections to valves, and for doing all the work involved in installing Irrigation Remote Control Valves complete in place as required by the contract documents and as directed by the Engineer.
- KK. Bid Item No 37 – Irrigation Gate Valve
1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
 2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, irrigation gate valve assembly, valve box, drain rocks, wire mesh, PVC pipe, connection to gate valve, and for doing all the work involved in installing Irrigation Gate Valve complete in place as required by the contract documents and as directed by the Engineer.
- LL. Bid Item No 38 – Irrigation Quick Coupler Valve
1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.

2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, irrigation quick coupler, valve box, drain rock, bricks, wire mesh, fittings, connections to valves, and for doing all the work involved in installing Irrigation Quick Coupler Valves complete in place as required by the contract documents and as directed by the Engineer.

MM. Bid Item No 39 – Irrigation Conduit

1. Basis of Measurement: By linear foot as specified in the bid form complete in place, unless otherwise specified in the Contract
2. Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, excavation, conduit, backfill, repaving, and for doing all the work involved in installing Irrigation Conduit complete in place as required by the contract documents and as directed by the Engineer

NN. Bid Item No 40 – Bubbler at Shrubs (1 per shrub)

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, overhead spray heads, shrub bubblers, risers, swing joints, adjustments, and for doing all the work involved in installing Irrigation Bubbler at Shrubs (1 per shrub) complete in place as required by the contract documents and as directed by the Engineer.

OO. Bid Item No 41 – Irrigation Low Voltage Wire

1. Basis of Measurement: By Lump Sum as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, low voltage wire, installing wire thru conduit, waterproof connectors, testing, warranties, and for doing all the work involved in installing Irrigation Low Voltage Wire complete in place as required by the contract documents and as directed by the Engineer.

PP. Bid Item No 42 – Irrigation Mainline

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, excavation, 1120-Schedule 40 PVC pipe with schedule 80 PVC solvent weld fittings,

testing, repairs, backfill, compaction, warranties, and doing all the work involved in installing Irrigation Main Line complete in place as required by the contract documents and as directed by the Engineer.

QQ. Bid Item No 43 – Irrigation Lateral Lines

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, trenching, excavation 1120-Schedule 40 PVC pipe with schedule 40 PVC solvent weld fittings, backfill, compaction, repairs, warranties, and for doing all the work involved in installing Irrigation Lateral Lines complete in place as required by the contract documents and as directed by the Engineer.

RR. Bid Item No 44 – Irrigation Sleeves

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, warranties, excavation, 4" dia. and 6" dia. sleeves, backfill, repaving, and for doing all the work involved in installing Irrigation Sleeves complete in place as required by the contract documents and as directed by the Engineer.

SS. Bid Item No 45 - Sanitary Sewer Cleanout (4")

1. Measurement: Sanitary Sewer cleanouts and rodding inlets shall be measured by each.
2. Basis of Payment:

The contract unit price paid for Sanitary Sewer Cleanout shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Two-way Sanitary Sewer Cleanouts, complete in place including all utility trenching work as specified in Section 31 23 16 – Utility Trenching, riser pipe installation, pipe connection, fittings, aggregate base for subgrade, compaction, restoration of trench, testing, CCTV inspections and disposing of materials outside the Right-of-Way and connection to existing or new sewer mains.

TT. Bid Item No 46 - Sanitary Sewer Piping (4")

1. Measurement: Sanitary Sewer pipes are measured by linear foot of pipe installed measured along the top centerline of the pipe from inside of a structure to structure.

2. Basis of Payment:

The contract price paid per linear foot for Sanitary Sewer pipe shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Sanitary Sewer Pipes, complete in place including all utility trenching work as specified in Section 31 23 16 – Utility Trenching, pipe installation with warning tape, pipe connection, connection to manholes, fittings, aggregate base for subgrade, compaction, restoration of T-trench, testing, CCTV inspections and disposing of materials outside the Right-of-Way and connection to existing or new sewer mains and manholes.

UU. Bid Item No 47 - Sewer Main Connection

1. Measurement: The contract price paid by each Sewer Main Connection
2. Basis of Payment: The contract unit price paid for Sewer Main Connection shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Sewer Main Connection, complete in place including all utility trenching work as specified in Section 31 23 16 – Utility Trenching, pipe connection, fittings, aggregate base for subgrade, compaction, restoration of trench, testing, CCTV inspections and disposing of materials outside the Right-of-Way and connection to sewer mains.

VV. Bid Item No 48 - Backflow Preventor

1. Basis of Measurement: By each.
2. Basis of Payment: Includes sawcut, excavation, backflow assembly, accessories, test, and backfill and surface restoration as shown on the plans, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.
3. Includes City Staff inspection and Testing.

WW. Bid Item No 49 – Water Meter Box

1. Basis of Measurement: By each.
2. Basis of Payment: Includes sawcut, demolition, excavation, water meter box, accessories, test, and backfill and surface restoration as shown on the plans, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

XX. Bid Item No 50 - Water Line Main Lateral

1. Basis of Measurement: By linear foot.

2. Basis of Payment: Includes hand-trimming, sawcut, excavation, all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), protecting the excavation in compliance with Cal/OSHA, pipe and fittings, bedding, backfill, surface restoration, concrete thrust restraints, mechanical joints, warning tape, tracer wire, polyethylene fittings, connection and tap to building service piping, pressure pipeline testing, flushing, disinfection and connection and tie into municipal utility water source.

YY. Bid Item No 51 - Water Main Connection

1. Basis of Measurement: By each.
2. Basis of Payment: Includes sawcut, excavation, all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), protecting the excavation in compliance with Cal/OSHA, pipe and fittings, bedding, backfill, surface restoration, concrete thrust restraints, mechanical joints, warning tape, tracer wire, tapping sleeve, tapping valves, and accessories to connect to the existing water main, pressure pipeline testing, flushing, disinfection and surface restoration.

ZZ. Bid Item No 52 – Bike Rack

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, bike rack, custom lean bar with City logo, coordination of delivery incidentals, warranties, embedment mounting, and for doing all the work involved in installing Bike Rack complete in place as required by the contract documents and as directed by the Engineer.

AAA. Bid Item No 53 – Boulder

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, boulder, excavation, coordination of delivery, incidentals, warranties, and for doing all the work involved in installing Boulder complete in place as required by the contract documents and as directed by the Engineer.

BBB. Bid Item No 54 – Bike Repair Station

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, bike repair station, bottle

filler, water and sewer line connection, concrete pad, excavation, coordination of delivery, incidentals, warranties, and for doing all the work involved in installing Bike Repair Station complete in place as required by the contract documents and as directed by the Engineer.

CCC. Bid Item No 55 – Dog Waste Dispenser

1. Basis of Measurement: By Each as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, dog waste dispenser with City logo, accessories, concrete footing, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in installing Dog Waste Dispenser complete in place as required by the contract documents and as directed by the Engineer.

DDD. Bid Item No 56 - Rip Rap

1. Basis of Measurement: The contract price paid per ton for rip rap.
2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals required for installation.

EEE. Bid Item No 57 – City Furnished Pedestrian Post Top Luminaire - 20ft pole and foundation

1. Basis of Measurement: The contract price paid by each for city furnished pedestrian post top lights.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, accessories, concrete foundation, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in installing City Furnished Pedestrian Post Top Light - 20ft pole complete in place as required by the contract documents and as directed by the Engineer.

FFF. Bid Item No 58 – City Furnished Roadway Luminaire – 32ft pole and foundation

1. Basis of Measurement: The contract price paid by each for city furnished roadway lights.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, accessories, concrete foundation, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in installing City Furnished Roadway Light - 32ft pole complete in place as required by the contract documents and as directed by the Engineer.

GGG. Bid Item No 59 - Security Camera Make-Ready

1. Basis of Measurement: The contract price paid by lump sum for security camera make-ready equipment.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, conduits, conductors, accessories, excavation, incidentals, coordination of delivery, and for doing all the work involved in installing Security Camera Make-Ready complete in place as required by the contract documents and as directed by the Engineer.

HHH. Bid Item No 60 – Service Cabinet

1. Basis of Measurement: The contract price paid by each for service cabinet.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, conduits, conductors, accessories, concrete foundations, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in installing Service Cabinet complete in place for the lighting, irrigation, and CCTV systems as required by the contract documents and as directed by the Engineer.
3. All electrical items required for a complete, automated and operational service cabinet system including but not limited to all clean-up, inspections, approvals, adjustments, enclosure, service connections, testing record contract drawings, replacements, concrete footings, fittings, pull rope, tracer wire, pea gravel, bricks, risers, waterproof connections, replacement of unsatisfactory materials, trenching, stockpiling, excavation, backfill materials, refilling trenches, compaction, and warranty shall not be measured separately for payment. All costs therewith shall be considered incidental to and included with the applicable items of irrigation work.

III. Bid Item No 61 – Electrical Systems – Conduits, Conductors, and Pull Boxes

1. Basis of Measurement: The contract price paid by lump sum for conduits and conductors.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, conduits, conductors, wires, pull boxes, accessories, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in installing item 57, 58, 59, and 60 complete in place as required by the contract documents and as directed by the Engineer.

JJJ. Bid Item No 62 - Construction Surveying

1. Basis of Measurement and Payment: By lump sum. The contract price paid for Construction Surveying shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work

involved in control line survey, survey monument referencing, pothole survey, construction staking, quality control survey and as-built GPS Surveys specified herein, and no additional compensation shall be made therefor.

KKK. Bid Item No 63 - SWPPP

1. Contractor shall provide for a QSD/QSP and SWPPP document to obtain a WDID Number from the State of California for Construction General Permit (CGP).
2. The Notice of Intent (NOI) and Annual Permit Fees for the Project shall be paid by the City.
3. Contractor shall pay all associated Construction General Permit (CGP) fees.
4. Basis of Measurement and Payment: By Lump sum. All temporary and permanent storm water pollution prevention facilities, equipment, and materials as required by or as necessary to comply with the SWPPP/WPCP as described in the current California Stormwater Quality Association (CASQA) BMP Handbook.
5. Temporary erosion and sediment control work shall consist of applying erosion control materials to embankment slopes, excavation slopes and other areas designated on the plans, installing silt fence, inlet protection, gravel bags, headwall protection and stabilized construction entrance ways, or other measures as specified in the project SWPPP/WPCP or necessary for compliance with the CGP.

LLL. Bid Item No 64 - Traffic Control

1. Basis of Measurement: By lump sum.
2. Basis of Payment: Includes all required safety, detour signs, traffic control and river detours. The facility shall be allowed to be fully closed and contractor must provide pedestrian, vehicle and river detours around site.
3. Includes public notice to police, fire, schools, etc.
Includes traffic control plan showing detours.

MMM. Bid Item No 65 – Mobilization

1. The Basis of Measurement: Measurement will be made as a percentage of the costs incurred according to the list submitted except that not more than 75% of the bid price shall be paid prior to the final estimate for payment being due, said remaining 25% paid upon completion of cleanup and removal with final payment.

2. Basis of Payment: The contract lump sum price paid for "Mobilization" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in mobilization and demobilization, including, but not limited to, furnishing all specified contract bonds and insurance certificates, public notification, submittals, transporting equipment, sanitary restroom facilities and all other work as specified in the Standard Specifications, these Technical Specifications, and as directed by the Engineer.
3. Mobilization bid price shall not exceed 10 percent of the total bid price for payment purposes.

NNN. m No 66 – 6" Vertical Curb

1. Basis of Measurement: By linear feet for vertical curb. Concrete pads around utility facilities and miscellaneous concrete footings are incidental to the bid item most closely related to and no separate compensation allowed therefor. Retaining curbs at curb ramps are not measured and are considered incidental to the measurement of curb ramps. Curb and gutter and vertical curbs adjacent to the curb ramp shall be measured separately. Adjacent deep lift AC shall be included in the bid item.
2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals including subgrade preparation, excavation, base preparation, forms, reinforcing, concrete, accessories, placing concrete, finishing concrete, expansion joints, weakened plane joints, scoring joints, curing, removal of all forms, and testing as shown on the plans, project soils report, Standard Specifications, and the Technical Specifications, and as directed by the Project Manager.

OOO. Bid Item No 67 – Valley Gutter

1. Basis of Measurement: By linear feet for concrete valley gutters. Concrete pads around utility facilities and miscellaneous concrete footings are incidental to the bid item most closely related to, and no separate compensation allowed therefor. Retaining curbs at curb ramps are not measured and are considered incidental to the measurement of curb ramps. Curb and gutter and vertical curbs adjacent to the curb ramp shall be measured separately. Adjacent deep lift AC shall be included in the bid item.
2. Basis of Payment: Includes all labor, materials, tools, equipment, and incidentals including subgrade preparation, excavation, base preparation, forms, reinforcing, concrete, accessories, placing concrete, finishing concrete, expansion joints, weakened plane joints, scoring joints, curing, removal of all forms, and testing as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

PPP. Bid Item No 68 – Adjust Utility Structures to Grade

1. Basis of Measurement: The contract price paid by each for adjust utility structures to grade.
2. Basis of Payment: Shall include but not be limited to full compensation for furnishing all labor, materials, tools, equipment, accessories, excavation, incidentals, coordination of delivery, warranties, and for doing all the work involved in adjusting utility structures to grade as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager.

QQQ. Bid Item No 69 – Demolition – Fencing

1. Basis of Measurement: Demolition of fencing shall be measured per lineal foot, unless specified otherwise.
2. Basis of Payment: The Contract linear foot price paid for “Demolition - Fencing” shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all work involved in fence demolition as specified in the plans, Standard Specification and the Technical Specifications, and as directed by the Project Manager.

ADD ALTERNATE ITEMS

RRR. Bid Item No 1 – Concrete Mowband

1. Basis of Measurement: By Linear Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing full compensation for furnishing all labor, materials, tools, equipment, incidentals, excavation, subgrade preparation, base preparation, compaction testing, Portland cement mix, finishes, sand, reinforcing steel, accessories, mock-up, placing concrete, finishing concrete, expansion joints, scoring joints, curing, removal of all forms, testing, and for doing all the work involved in in installing Concrete Mowband, complete in place as required by the contract documents and as directed by the Engineer.

SSS. Bid Item No 2 – Synthetic Rubber Surfacing

1. Basis of Measurement: By Square Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.

2. Basis of Payment: Shall include but not limited to full compensation for furnishing full compensation for furnishing all labor, materials, tools, equipment, incidentals, synthetic rubber surfacing, color samples, excavation, subgrade preparation, permeable aggregate base, filter fabric, compaction testing, drainage connection, accessories, mock-up, color sample, testing, warranty, and for doing all the work involved in installing Synthetic Rubber Surfacing, complete in place as required by the contract documents and as directed by the Engineer.

TTT. Bid Item No 3 - Storm Drain Piping 6" Perforated

1. Basis of Measurement: Storm Drainage Piping shall be measured by linear foot of pipe installed, measured from edge of structure to edge of structure for various pipe materials and various sizes irrespective of the depth of pipes.
2. Basis of Payment: The contract price paid per linear foot for Storm Drainage piping shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Storm Drainage Piping, complete in place including bends, elbows or other pipe fittings, saw cut, excavating to required elevations, all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), removing excavated materials, dewatering, bedding, cradles, backfill and backfill material, pipe installation with warning tape, restoration and disposing of materials outside the Right-of-Way and connections to existing or new storm drainage mains and manholes

UUU. Bid Item No 4 – 6" Storm Drain Cleanout

1. Basis of Measurement: By each.
2. Basis of Payment: Basis of Payment: Includes sawcut, excavation, including all utility trenching work as specified in [Section 31 23 16 – Utility Trenching](#), traffic-rated box, riser, accessories, concrete collar, tests, backfill and surface restoration as shown on the plans, project soils report, Standard Specifications and the Technical Specifications, and as directed by the Project Manager

VVV. Bid Item No 5 - Storm Drain Piping 6" Solid

1. Basis of Measurement: Storm Drainage Piping shall be measured by linear foot of pipe installed, measured from edge of structure to edge of structure for various pipe materials and various sizes irrespective of the depth of pipes.
1. Basis of Payment: The contract price paid per linear foot for Storm Drainage piping shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing Storm Drainage Piping, complete in place including bends, elbows or other pipe fittings, saw cut, excavating to required elevations, all utility trenching work as specified in [Section 31 23 16 – Utility](#)

Trenching, removing excavated materials, dewatering, bedding, cradles, backfill and backfill material, pipe installation with warning tape, restoration and disposing of materials outside the Right-of-Way and connections to existing or new storm drainage mains and manholes

WWW. Bid Item No 6 – Fitness Station

1. Basis of Measurement: By Lump Sum as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing full compensation for furnishing all labor, materials, tools, equipment, incidentals, fitness equipment, signage/announcement board and post, concrete footing, excavation, subgrade preparation, aggregate base, base preparation, compaction testing, Portland cement mix, reinforcing steel, accessories, curing, removal of all forms, testing, and for doing all the work involved in installing Fitness Stations, complete in place as required by the contract documents and as directed by the Engineer.

XXX. Bid Item No 7 – Import Soil/Planting/Mulch Deduct

1. Basis of Measurement: By Square Foot as specified in the bid form complete in place, unless otherwise specified in the Contract.
2. Basis of Payment: Shall include but not limited to full compensation for furnishing all labor, materials, tools, equipment, incidentals, pre-emergent, mulch, and for doing all the work involved in installing Mulch, complete in place as required by the contract documents and as directed by the Engineer.

3.3 PAYMENT

- A. Payment shall be made for actual quantity of work performed at contract unit price, as directed and accepted, in accordance with requirements of the General Conditions.

END OF SECTION 01 22 00