



ITB-17-02
ADDENDUM #2 *AM*
PANORAMA PARK IRRIGATION SYSTEM

Date: February 7, 2017
Bid Number: ITB-17-02
Bid Due Date: TUESDAY, FEBRUARY 14, 2017 BY 1:00 PM OUR CLOCK

The following information is provided to all prospective bidders and is hereby made a part of the above bid documents. Bidders must acknowledge this Addendum 2 with their bid. It is a total of nine pages, including Q&A, additional specification information, two images and a REVISED BID SCHEDULE (3 PAGES). Please also visit the City website for option to print larger version of page 6 of this Addenda, the 1988 plan drawing.

Visit our City website for pre-bid sign in sheet, addendum, plan holders list and project updates, if any:
www.ci.wheatridge.co.us

POINT OF CONTACT: Jennifer Nellis, Purchasing Agent, jnellis@ci.wheatridge.co.us, fax 303-234-5924, or phone 303-235-2811. Do not contact the user department, consultant, or any other staff.

CLARIFICATION, ADDITIONAL INFORMATION, AND CHANGES:

1 The irrigation design is unclear if the exiting 1-1/2" meter, vault and backflow preventer is to be utilized in the design, or if a new meter, vault and backflow preventer is to be installed. For example, in Paragraph 1 under Project Specifics on page 25 of the bid documents, it's stated "use existing new backflow devices." How are we supposed to interpret that statement? If these are new items to be installed, under what bid items on the Bid Form are they to be paid for?

Existing vaults are to be reused; existing water meters are to be reused. Existing above ground backflow prevention devices are to be reused. Install (1) new 1inch RP backflow device for the new potable water line.

2 The irrigation design does not indicate how many stations are to be provided on the irrigation controller. Please clarify.

Base specified controller has 50 station capability use base controller.

3 Under what bid items will the domestic waterline to the restroom be paid?

See revised bid submittal pages.

4 Are the line item totals on the Bid Form supposed to equal the total amount of the bid?

A revised bid schedule is included as part of this Addendum 2, and lists estimated quantities with the total of all three pages to equal the total amount of the bid. As bid unit prices shall apply to increased or decreased quantities, should the plan take-off/installation differ from the estimated item quantities.

5 Please provide an Erosion Control Plan so we can determine the extent of erosion control the City will require.

See erosion control plan information and revised bid submittal.

6 Please provide as-built plans of the existing irrigation system so we may determine the extent of irrigation to be removed.

See page 6 of this addendum, for the existing irrigation system drawing. A pdf of this 1988 drawing has also been posted as a separate document.

7 Is the contractor under this contract responsible for the maintenance of the park during construction?

The Contractor will maintain the work site as explained in the scope of work. The Contractor will also maintain the erosion plan as described in the addendum information. The tennis courts and the playground will remain open with the rest of the park status being under construction. No use of fields has been scheduled during construction.

8 Will any construction fencing be required?

No construction fence is needed, unless the Contractor wants to surround their staging area.

9 Has a staging area been designated for the contractor?

Staging may be set up in the parking lot east of the South East baseball field off of Depew Street.

10. Is pipe pulling allowed?

Yes, pipe 1 inch in diameter and smaller may be pulled.

11. Do both tap locations require the installation of new curb stop valves upstream of the existing meter pits? If so can the City main be deactivated during this installation?

The Contractor will coordinate with the Wheat Ridge Water District to deactivate the main. The Wheat Ridge Water District will use freeze method. Allow 72 hours ahead notice required.

12. Sheet IR-2 shows a Denver Water Board meter pit detail. Is any meter pit work required?

The existing water pit will be reused and remain in the same location. Within the meter pit new piping and connections will be made between the meter, new curb-stop and backflow preventers. New concrete blocking for meter and new mastic for water line openings in meter vault wall will be installed.

13 On the Irrigation Schedule on sheet IR-1 the mainline is called out as belled end. Being 3" would this not be gasket ring type piping?

All mainline to be solvent type joint. No gasket joints allowed.

14 Will all mainline fittings be ductile iron?

No. The mainline is specified as all PVC, therefore all fittings shall also be PVC.

15 Does the City know the routing of the electrical lines for the tennis court lighting? If not will the contractor need to hire a private locator?

The City will have all private locates done before project starts.

16 Are any of the sleeves shown on IR-1 existing?

The City does not have an accurate as-built drawing of the existing system, so install all sleeves as per plan.

17 Are disturbed areas to be re-seeded or are they to be re-sodded?

All disturbed areas are to be se sodded with bluegrass turf only. No seed.

ADDITIONAL INFORMATION

HYDROSTATIC TESTING

1. The Contractor will conduct a hydrostatic test of the new water line before the trench is filled and in the presence of the City representative. The Contractor and the City representative will inspect the entire water line.
2. All fittings, valves shut offs, isolation valves and connections will be visible from the edge of the trench. Hydrostatic testing will be in accordance with Denver Water Engineering Standards, section 8.25. After the water line is determined to be leak free the trench may be backfilled.
3. Hydrostatic testing will be conducted within the hours of 8am-12pm M-F.

STORM WATER COMPLIANCE

The Contractor will place rock socks or Big Reds at the limit of construction /edge of the grass/start of street asphalt in the areas highlighted in yellow to prevent erosion loss. See attached map. The erosion control measures will be maintained daily by the Contractor.

The Contractor will not deposit any dirt into the curb and gutter. The Contractor will also keep dirt away from the edge of the street/grass and the curb and gutter. No dirt will be deposited into the street or curb and gutter. If any dirt/mud is deposited into the street or curb and gutter that material must be cleaned immediately by the Contractor to the satisfaction of the City.

CHLORINATION

1. Chlorination and Flushing: The water line will be chlorinated in accordance with Denver Water's Engineering Standards. Section 8.24. The line shall be chlorinated in accordance with AWWA C651. "Disinfecting Water Mains". The preferred method is to use sufficient chlorine tablets to produce a 25MG/L solution. Tablets should be attached to the top of the pipe with an approved adhesive certified to NSF standard 61/ prior to installation of the trench. The chlorination will be completed prior to the hydrostatic testing.
2. The water line will be flushed by the Contractor at the outdoor restroom, the Parks operations shop, the outdoor pool shower house and the Anderson Building until the system runs clear.

BACKFLOW DEVICE

Using a certified backflow installer/tester, install an approved University of Southern California RP backflow prevention device assembly 5 feet downstream from the water meter pit located on 35th Ave.

- a. Backflow device will be Febco brand
- b. One-inch backflow device install will include a Guard Shack GS-4 hinged enclosure. Enclosure is metal mesh, powder coated and lockable. Enclosure to include a 6-inch thick concrete base.
- c. The cage color is to be Forest Green powder coat.
- d. The backflow device is to be mounted on above concrete base with unions to allow for backflow device removal during winterization.
- e. Include two threaded caps/plugs to seal unions during winterization.

PROJECT SPECIFICS

All excavated holes will be covered, barricaded and caution taped at all times if left open. No open holes are to be left unattended or after work hours. The Contractor may leave small amounts of trench open if they are onsite working but if the site is unattended or at the end of the work day all trenches will be covered with plywood and barricaded or backfilled.

Water line install will include all fittings, joints, and connections needed for the new potable water line.

All irrigation mainline will be bedded with squeegee 6 inches on top, bottom and sides of the mainline.

In existing meter pit vaults install new concrete blocking for meter.

Install new mastic for waterline line opening in meter pit vault wall

Install (3) stop waste valves, stop and waste boxes and lids. Install stop and waste valves 5 foot minimum downstream from the meter vault. Install stop and waste valves in the following locations:

- a. Meter pit located on Depew St.
- b. Meter pit located on 35th Ave.
- c. On new potable water line before new RP backflow device

BID SUBMITTAL CHECKLIST

Are the following completed pages included with your bid submittal?

From the ITB document:

Document Name	Page	Yes	No
SIGNATURE PAGE	3	_____	_____
CONTRACTOR's QUALIFICATION FORM	27-34	_____	_____
BID FORM (Do NOT submit pages 37 & 38)	35-36	_____	_____
LIST OF SUBCONTRACTORS	39	_____	_____
NON-DISCRIMINATION ASSURANCE FORM	40	_____	_____
ILLEGAL ALIENS COMPLIANCE CERTIFICATION	41	_____	_____
NON-COLLUSION AFFIDAVIT	42	_____	_____
BID BOND FORM (refer to 1.4 on page 6)	43	_____	_____

From Addendum 2:

REVISED BID SCHEDULE	7-9	_____	_____
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(Three pages replace pages 37 and 38 of the original ITB-17-02 document)

ADDENDA

Bidder is responsible to check the City website for issuance of any addenda prior to submitting bid: www.ci.wheatridgite.co.us . Bidders registered on BidNet (Rocky Mountain e-Purchasing System) will be notified of issued addenda via email.

Please acknowledge receipt of the following Addenda (if applicable):

Addendum 1 _____ Addendum 2 _____ Addendum 3 _____

COMPANY SUBMITTING THIS BID: _____

BID SCHEDULE

ITB-17-02

PANORAMA PARK IRRIGATION SYSTEM

Bidder agrees to perform all the work described in the Contract Documents for the following unit prices, as specified. Cost will include all materials, labor, fittings and equipment for installation in accordance with plans and specifications. Lump sum figures in the Bid Proposed for items entitled "Irrigation System" will be based on these unit costs. Unit prices will be used for adjustments in the case of additions or deletions of items from this contract.

ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	EXTENSION
1. Rain Bird PEB Series 1" control valve	3	EA	_____	_____
2. Rain Bird PEB Series 1-1/2" control valve	34	EA	_____	_____
3. Febco 825YA - 1" backflow assembly	1	EA	_____	_____
4. Rain Bird 5006 Series rotor with PRS part-circle full-reversing rotor with 4.0 nozzle Model #5006+PCSAMR, Product ID# Y65850	235	EA	_____	_____
5. Rain Bird 3504 Series full-circle rotor w/2.0 nozzle	7	EA	_____	_____
6. Rain Bird 3504 Series part circle rotor w/2.0 nozzle	143	EA	_____	_____
7. Rain Bird 1804-SAM-PRS -4" pop-up spray head Model #RD-04-S-P30	127	EA	_____	_____

SUBTOTAL THIS PAGE \$ _____

8.	Rain Bird ESP-LXD Controller – 2-wire 50 station Model #ESP-LXD: 50 station, 120 VAC (Must include (1) Rain Bird IQ3G-USA communication cartridge Prod ID #IQ4613B which includes 1-year cellular service)	1	EA	_____	_____
9.	IQEXTANGP GPRSCellular External Antenna #IO4640	1	EA	_____	_____
10.	Rain Bird 44-LRC quick coupling valve in value box	16	EA	_____	_____
11.	Manual drain valve assembly (as detailed)	10	EA	_____	_____
12.	3" iron body gate valve assembly (as detailed)	11	EA	_____	_____
14.	3" class 200 BE PVC mainline	3,180	LF	_____	_____
15.	2 1/2" class 200 BE PVC lateral line	660	LF	_____	_____
16.	2" class 200 BE PVC lateral line	1,380	LF	_____	_____
17.	1 1/2" class 200 BE PVC lateral line	2,040	LF	_____	_____
18.	1 1/4" class 200 BE PVC lateral line	2,160	LF	_____	_____
19.	1" Class 200 BE PVC lateral line	6,380	LF	_____	_____
20.	Carson 10" round valve box with lid	37	EA	_____	_____
21.	Carson 6" round economy valve box with lid	6	EA	_____	_____
22.	Carson 12" jumbo valve box with lid	41	EA	_____	_____
23.	Carson 6" valve box extension	41	EA	_____	_____
24.	6" class 200 PVC Sleeving	180	LF	_____	_____
25.	4" class 200 PVC Sleeving	60	LF	_____	_____
26.	2" class 200 PVC Sleeving	240	LF	_____	_____
27.	Paige Maxi wire (2-wire) – 14 or 12 Gauge spec ID# P7072D Rev 15 for 2-wire path, must use Rain Bird 2-wire cable stripper Part #236571	3,660	LF	_____	_____
28.	14 Gauge UF UL wiring	6,580	LF	_____	_____
29.	Type K Copper potable water line	260	LF	_____	_____
30.	1-inch fittings to connect K copper line	6	EA	_____	_____
SUBTOTAL THIS PAGE				\$	_____

