

AGENDA

IRVINE RANCH WATER DISTRICT ENGINEERING AND OPERATIONS COMMITTEE FRIDAY, DECEMBER 2, 2016

CALL TO ORDER 1:30 p.m., **Second Floor Committee Room**
15600 Sand Canyon Avenue, Irvine, California

ATTENDANCE Committee Chair: Douglas Reinhart _____
Committee Member – Steve LaMar _____

<u>ALSO PRESENT</u>	Paul Cook _____	Patrick Sheilds _____	Harry Cho _____
	Kevin Burton _____	Eric Akiyoshi _____	Paul Weghorst _____
	Rich Mori _____	Scott Toland _____	Tom Roberts _____
	Kellie Lew _____	Ken Drake _____	Ken Pfister _____
	Lars Oldewage _____	Arseny Kalinsky _____	Steve Malloy _____
	Malcolm Cortez _____	Bruce Newell _____	_____

COMMUNICATIONS

1. Notes: Burton
2. Public Comments
3. Determine the need to discuss and/or take action on item(s) introduced that came to the attention of the District subsequent to the agenda being posted.
4. Determine which items may be approved without discussion.

ACTION

5. ON-CALL CONSTRUCTION INSPECTION SERVICES VARIANCE–
JACK/LEW/ /BURTON

Recommendation: That the Board authorize the General Manager to execute Variance No. 1 with CivilSource in the amount of \$1,219,360 for on-call construction inspection services for two inspectors for a two-year period.

6. PLANNING AREA 6 (PORTOLA SPRINGS) CAPITAL IMPROVEMENTS –
LEW/BURTON

Recommendation: That the Board authorize the General Manager to accept Irvine Community Development Company's construction contract with Boudreau Pipeline Corporation in the amount of \$199,240 for the Portola Springs Neighborhood 4B Improvements, Project 5243; and to accept Irvine Community Development Company's construction contract with Boudreau Pipeline Corporation in the amount of \$150,003 for the Portola Springs Neighborhood 5A Improvements, Project 6915.

OTHER BUSINESS

7. A. Closed Session

Conference will be held with legal counsel relative to anticipated litigation pursuant to Government Code Section 54956.9(d)(4) (one potential case).

B. Directors' Comments

C. Adjourn

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the above-named Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Committee Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance of the meeting room at the District's Operation's Committee Room at 3512 Michelson, Irvine, California. The Irvine Ranch Water District's Committee Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5312 during business hours at least seventy-two (72) hours prior to the scheduled meeting.

December 2, 2016

Prepared by: M. Jack/K. Lew

Submitted by: K. Burton

Approved by: Paul Cook

ENGINEERING AND OPERATIONS COMMITTEE

ON-CALL CONSTRUCTION INSPECTION SERVICES VARIANCE

SUMMARY:

The current construction inspection workload for capital, development and operational improvement projects continues to exceed a level that can be supported by the District's inspection staff. Staff recommends that the Board authorize the General Manager to execute Variance No. 1 with CivilSource in the amount of \$1,219,360 for two inspectors over a period of two years for on-call construction inspection services.

BACKGROUND:

The District's current and upcoming inspection workload for capital, development and operational improvement projects continues to exceed the level that can be supported by the District's staff. The District's construction inspection group consists of six staff inspectors and four on-call consultant inspectors that are currently responsible for the inspection, field coordination, documentation and record drawing preparation of over 415 projects spread across the District. Based on currently active and upcoming construction projects planned by the Irvine Company, FivePoint Communities, Lennar, Toll Brothers and the Cities of Tustin and Lake Forest, staff anticipates the need for continued consultant field inspection support for a period of up to two years. Upon completion of the current high volume of construction projects, staff anticipates that these inspection services will no longer be required as the workload should return to a level that can be supported by District inspection staff.

In January 2014, the Board awarded a Professional Services Agreement to CivilSource, a construction management and inspection services company, in the amount of \$851,360 for on-call field inspection services. CivilSource is currently providing two experienced inspectors under its on-call contract that have worked well within the District's inspection group and have demonstrated the ability to inspect and coordinate multiple projects simultaneously.

Funds for the current agreement with CivilSource will be expended by February 2017. Due to the experience, attention to detail and quality work of the current consultant inspectors, staff requests a variance for continued inspection services. CivilSource's fully-burdened rate is \$118 per hour for its senior inspectors, which includes a truck and fuel, cell phone and laptop computer. The billing rate has increased 20% from the original contract with modifications to account for prevailing wage, medical and administrative increases, and compliance with the new Department of Industrial Relations certified payroll requirements. The new billing rate for CivilSource is the same as the new billing rate for AndersonPenna, the consultant that provides the other two inspectors. Staff recommends executing Variance No. 1 with CivilSource in the amount of \$1,219,360 for two inspectors for two additional years of on-call field inspection services. Variance No. 1 is shown in Exhibit "A".

FISCAL IMPACTS:

Funding for the construction inspection services will be provided from the various developer and capital projects being constructed as part of each project's budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Board authorize the General Manager to execute Variance No. 1 with CivilSource in the amount of \$1,219,360 for on-call construction inspection services for two inspectors for a two-year period.

LIST OF EXHIBITS:

Exhibit "A" – CivilSource On-Call Inspection Variance No. 1

EXHIBIT "A"

CivilSource

November 3, 2016

Mike Jack
Construction Inspection Manager
Irvine Ranch Water District
15600 Sand Canyon Ave.
Irvine CA, 92618

SUBJECT: VARIANCE TO THE ON-CALL INSPECTION SERVICES

Dear Mr. Jack,

CivilSource, Inc. would like to submit this letter to Irvine Ranch Water District to request a variance to the Construction Inspection Services on an on-call basis.

We will continue to provide two inspectors, Joe Lara and James Remus for two additional more years. Our proposed fully loaded all-inclusive hourly rate for each inspector currently is \$98. We would like to adjust our rate to \$118.00 to reflect the current COLA, vehicle, medical and administrative expenses as follows:

Current Rate	\$98.00
COLA	\$1.00
Vehicle	\$5.00
Medical & Administrative	<u>\$14.00</u>
New Regular Rate	\$118.00
OT Rate (40%)	\$165.00

Services will be conducted as requested by Irvine Ranch Water District, and be billed on an hourly basis, with a total cost under this variance not to exceed \$1,219,360.

Should you have any questions or require additional information, please contact me at (949) 585-0477 or amy@civil-source.com.

Respectfully,
CIVILSOURCE, INC.



Amy Amirani, P.E.
Principal

IRVINE RANCH WATER DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: On – Call Construction Inspection Services

Project No.: _____

Date: 11/03/2016

Purchase Order No.: 523870

Variance No.: 1

Originator: ☐ IRWD ☒ ENGINEER/CONSULTANT ☐ Other (Explain) _____

Description of Variance (*attach any back-up material*):

Contract Extension

Rate Adjustment

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Construction Inspector	8320	\$118				\$981,760
Construction Inspector	1440	\$165				\$237,600
Total \$ =						\$1,219,360

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	On-Call Inspection	10/2014 – 10/2016	24 Months Extension	11/2016 – 11/2018

Required Approval Determination:

Total Original Contract	<u>\$815,360</u>	☐ Director: Cumulative total of Variances less than or equal to \$50,000.
Previous Variances \$0		
This Variance	<u>\$1,219,360</u>	☐ Executive Director: Cumulative total of Variances less than or equal to \$75,000.
Total Sum of Variances	<u>\$1,219,360</u>	
New Contract Amount	<u>\$2,034,720</u>	☐ General Manager: Cumulative total of Variances less than or equal to \$100,000.
Percentage of Total Variances to Original Contract	<u>149.55 %</u>	☒ Board: Cumulative total of Variances greater than \$100,000.

ENGINEER/CONSULTANT: Civil Source, Inc.
Company Name

IRVINE RANCH WATER DISTRICT

Amy Amvan
Project Engineer/Manager

11/03/2016
Date

KAL Kevin L. Burt
Department Director

11/21/16
Date

Engineer's/Consultant's Management Date

General Manager/Board Date

Date

December 2, 2016

Prepared by: K. Lew

Submitted by: K. Burton

Approved by: Paul Cook

KLB
Paul Cook

ENGINEERING AND OPERATIONS COMMITTEE

PLANNING AREA 6 (PORTOLA SPRINGS) CAPITAL IMPROVEMENTS

SUMMARY:

Irvine Community Development Company (ICDC) is proceeding with the Planning Area 6 (Portola Springs) development including the Neighborhood 4B and Neighborhood 5A Street Improvements projects. For both of these projects, ICDC will design and construct IRWD's recycled water capital facilities under an existing Supplemental Reimbursement Agreement. Staff recommends that the Board:

- Authorize the General Manager to accept ICDC's construction contract with Boudreau Pipeline Corporation in the amount of \$199,240 for the Portola Springs Neighborhood 4B Improvements; and
- Authorize the General Manager to accept ICDC's construction contract with Boudreau Pipeline Corporation in the amount of \$150,003 for the Portola Springs Neighborhood 5A Improvements.

BACKGROUND:

IRWD and ICDC have had a Reimbursement Agreement (RA) for design and construction of IRWD capital facilities in place since May 1997. Under this RA, a Supplemental Reimbursement Agreement (SRA) serves to define the improvements to be designed and constructed within a specific planning area as well as the estimated reimbursable costs.

An SRA was previously approved in April 2004 for all IRWD capital facilities within Planning Area 6. All required IRWD capital improvements are documented in the Planning Area 6 Sub-Area Master Plan Update, dated August 2013. The improvements are shown in Exhibit "A".

Neighborhood 4B Improvements:

Neighborhood 4B Improvements include construction of approximately 3,700 feet of 6-inch recycled water pipeline. ICDC selected Stantec to complete the Neighborhood 4B Improvements design plans. ICDC received five bids and the low bidder for the overall project, including IRWD facilities, was Boudreau Pipeline Corporation with a bid for IRWD facilities in the amount of \$199,240. The five contractors submitted bids ranging from \$186,600 to \$323,196. Although Boudreau's bid for the IRWD facilities was the second lowest, staff believes the bid is reasonable since it is within \$13,000 of the low bidder. The Bid Summary is shown in Exhibit "B". ICDC requested IRWD's concurrence of awarding the contract to Boudreau. Boudreau's bid had no irregularities and staff concurs with ICDC's recommendation to award the construction contract. ICDC also received proposals from Stantec Consulting Services Inc., Kling Consulting Group, and Michael Baker International, Inc. for construction support services and staff concurs with the selections.

A summary of the Neighborhood 4B costs is shown as follows:

Design Engineering (Stantec)	\$ 26,900.00
Construction (Boudreau Pipeline)	\$ 199,240.00
Construction Engineering (Stantec)	\$ 6,800.00
Construction Geotechnical (Kling)	\$ 3,084.00
Construction Staking (Michael Baker)	\$ 4,915.00
ICDC Administration Fee (1%)	<u>\$ 1,992.40</u>
	\$ 242,931.40

Neighborhood 5A Improvements:

Neighborhood 5A Improvements include construction of approximately 1,100 feet of 6-inch and 2,400 feet of 8-inch recycled water pipeline. ICDC selected Stantec to complete the Neighborhood 5A Improvements design plan. ICDC received six bids and the low bidder for the IRWD work was Boudreau with a bid in the amount of \$150,003; bids ranged from \$150,003 to \$217,435. The Bid Summary is shown in Exhibit "C". ICDC requested IRWD's concurrence of awarding the contract to Boudreau. The bid had no irregularities and staff concurs with ICDC's recommendation to award the construction contract to Boudreau. ICDC also received proposals from Stantec Consulting Services Inc., Kling Consulting Group, and Adams Streeter Civil Engineering, Inc. for construction support services and staff concurs with the selections.

A summary of Neighborhood 5A costs is shown as follows:

Design Engineering (Stantec)	\$ 34,800.00
Construction (Boudreau Pipeline)	\$ 150,003.00
Construction Engineering (Stantec)	\$ 6,000.00
Construction Geotechnical (Kling)	\$ 5,226.00
Construction Staking (Adams Streeter)	\$ 5,160.00
ICDC Administration Fee (1%)	<u>\$ 1,500.03</u>
	\$ 202,689.03

FISCAL IMPACTS:

Projects 5243 and 6915 are included in the FY 2016-17 Capital Budget and have sufficient budget.

ENVIRONMENTAL COMPLIANCE:

The construction of the capital facilities for Planning Area 6 is subject to the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Article 7, an Environmental Impact Report, SCH#2001051010, was certified by the lead agency, the City of Irvine, on June 3, 2004.

RECOMMENDATION:

That the Board authorize the General Manager to accept Irvine Community Development Company's construction contract with Boudreau Pipeline Corporation in the amount of \$199,240 for the Portola Springs Neighborhood 4B Improvements, Project 5243; and to accept Irvine Community Development Company's construction contract with Boudreau Pipeline Corporation in the amount of \$150,003 for the Portola Springs Neighborhood 5A Improvements, Project 6915.

LIST OF EXHIBITS:

- Exhibit "A" – Project Location Map
- Exhibit "B" – Neighborhood 4B Improvements Bid Summary
- Exhibit "C" – Neighborhood 5A Improvements Bid Summary

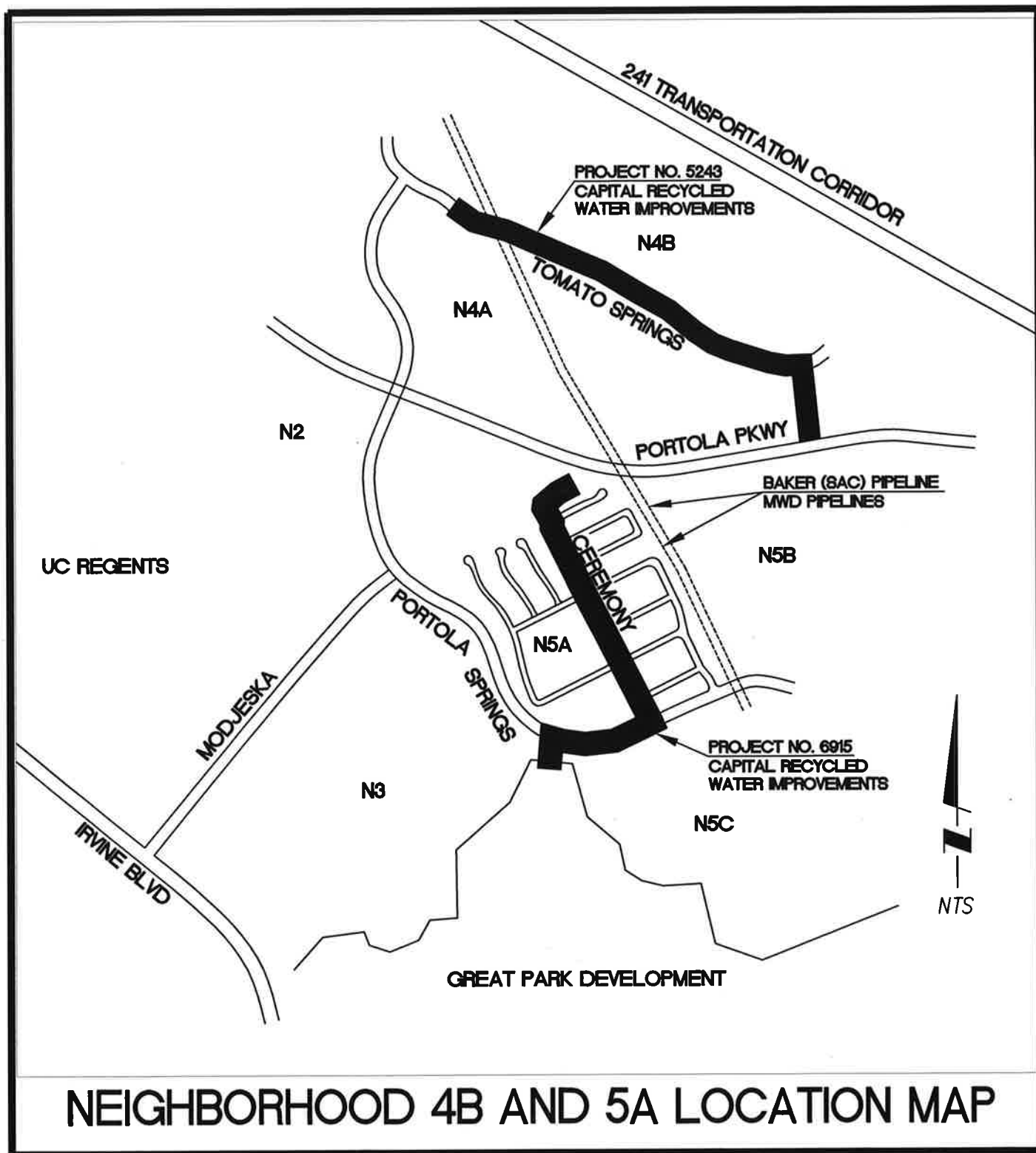


EXHIBIT "A"

EXHIBIT "B"

PRE-BID MEETING DATE: June 28, 2016
 BID OPENING DATE: July 28, 2016
 WITNESSED BY: Tina Bachelder
 Eric Maroneaux

DECLINED PRIOR TO PRE-BID;
 NO SHOW AT PRE-BID;
 DID NOT SUBMIT: Sheffield, Fyda

BID SUMMARY
 PORTOLA SPRINGS ENCLAVE 68 STREET IMPROVEMENTS
 CONTRACT "B1" - WET UTILITIES NON-ASSESSMENT DISTRICT, ASSESSMENT DISTRICT 04-20 AND IRWD
 CAPITAL IMPROVEMENTS (PREVAILING WAGE)

BID PACKAGE: B00290
 TASK PCID: LD-0006 ST 46 cnd1
 APPROXIMATELY 4,000 LINEAR FEET OF STREET IMPROVEMENTS (3,400 LINEAR FEET FOR TOMATO
 SPRINGS ROAD AND 600 LINEAR FEET FOR PEAR BLOSSOM)

IRWD 2ND BIDDER	IRWD LOW BIDDER	IRWD 4TH BIDDER	IRWD 3RD BIDDER	IRWD 5TH BIDDER
LOW BIDDER BOUDREAU PIPELINE	2ND BIDDER IRVINE PIPELINE	3RD BIDDER PAULUS ENGINEERING	4TH BIDDER CLEARWATER	5TH BIDDER LAS CONSTRUCTION

CHECK LIST

Required items to be included in bid package:

- Signed Addendum Nos. 1-5
- Corporate Seal (if applicable)
- Correct Signatures (Page V-3)
- Bid Totals Correctly
- List of Subcontractors
- Equipment/Material Source Information
- Contractors Rates/Reviewed
- 10% Bid Bond
- Construction Schedule
- Non-Collusion Certificate
- Contractor Prequalified

Comments	Comments	Comments	Comments	Comments
X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X MISSING SIGNATURE	X X X X X X X X X X X MISSING SIGNATURE NOT INCLUDED	X X X X X X X X X X X NOT INCLUDED

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
III. DELETABLES - IRWD CAPITAL													
The following items may or may not be a part of the Contract:													
1	GENERAL												
62	MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE)	1	LS	\$2,999.00	\$2,999.00	\$3,000.00	\$3,000.00	\$4,300.00	\$4,300.00	\$1,965.00	\$1,965.00	\$5,000.00	\$5,000.00
63	DEVELOP CONSTRUCTION WATER	1	LS	\$1,030.00	\$1,030.00	\$2,000.00	\$2,000.00	\$2,154.89	\$2,154.89	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00
64	PAYMENT AND PERFORMANCE BONDS	1	LS	\$2,400.00	\$2,400.00	\$2,000.00	\$2,000.00	\$107.73	\$107.73	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
65	TRAFFIC CONTROL	1	LS	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$150.00	\$150.00	\$500.00	\$500.00	\$7,500.00	\$7,500.00
66	INTERIM EROSION AND SEDIMENT CONTROL	1	LS	\$1,800.00	\$1,800.00	\$1,000.00	\$1,000.00	\$1,615.00	\$1,615.00	\$500.00	\$500.00	\$2,500.00	\$2,500.00
67	ALL ELSE REQUIRED TO CONSTRUCT THE WORK, NOT LISTED ON THE SCHEDULE OF VALUES, BUT INCLUDED ON THE PLANS AND SPECIFICATIONS	1	LS	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$100.00	\$100.00	\$500.00	\$500.00	\$1.00	\$1.00
J. IRWD CAPITAL RECYCLED WATER IMPROVEMENTS													
68	CONSTRUCT 6" PURPLE PVC AWWA C-900 DR-14 AND TRENCHING PER IRWD STD. DWG. W-17 AND CITY OF IRVINE STD. PLAN NO. 223	3,690	LF	\$29.00	\$107,010.00	\$25.00	\$92,250.00	\$33.05	\$121,954.50	\$30.40	\$112,178.00	\$52.00	\$191,880.00
69	INSTALL 4" BLOWOFF/BOTTOM DRAIN ASSEMBLY PER IRWD STD. DWG. W-14	2	EA	\$6,900.00	\$13,800.00	\$9,200.00	\$18,400.00	\$5,562.07	\$11,124.14	\$7,680.00	\$15,360.00	\$9,000.00	\$18,000.00
70	INSTALL 16" O.D. (S16" WALL THICKNESS) STEEL CASING PER IRWD STD. DWG. W-21	130	LF	\$100.00	\$13,000.00	\$150.00	\$19,500.00	\$153.78	\$19,991.40	\$110.00	\$14,300.00	\$185.00	\$24,050.00
71	INSTALL 1" AIR AND VACUUM RELEASE PER IRWD STD. DWG. W-11	6	EA	\$2,700.00	\$16,200.00	\$2,200.00	\$13,200.00	\$2,589.19	\$15,535.14	\$3,165.00	\$18,990.00	\$3,000.00	\$21,000.00
72	INSTALL 6" X 6" X 4" (FE X FE X FE) DI TEE AND THRUST BLOCK PER IRWD STD. DWG. W-18	4	EA	\$300.00	\$1,200.00	\$350.00	\$1,400.00	\$473.09	\$1,892.36	\$605.00	\$2,420.00	\$300.00	\$1,200.00
73	INSTALL 6" (FE X FE) BUTTERFLY VALVE PER IRWD STD. DWGS. W-22 AND W-23, AND THRUST BLOCK PER IRWD STD. DWG. W-18	8	EA	\$1,900.00	\$15,200.00	\$1,600.00	\$12,800.00	\$1,406.18	\$11,249.44	\$2,055.00	\$16,440.00	\$2,300.00	\$18,400.00
74	INSTALL 6" DI SPOOL (FE X FE) AND TRENCHING PER IRWD STD. W-17 AND CITY OF IRVINE STD. PLAN NO. 223	1	EA	\$1,300.00	\$1,300.00	\$600.00	\$600.00	\$1,113.00	\$1,113.00	\$555.00	\$555.00	\$1,100.00	\$1,100.00
75	INSTALL 6" (FE X PO) DI ADAPTER	8	EA	\$150.00	\$1,200.00	\$150.00	\$1,200.00	\$456.17	\$3,649.36	\$185.00	\$1,480.00	\$290.00	\$2,240.00
76	INSTALL 6" BLIND FLANGE	1	EA	\$120.00	\$120.00	\$150.00	\$150.00	\$384.87	\$384.87	\$95.00	\$95.00	\$225.00	\$225.00
77	INSTALL 6" X 6" X 6" (FE X FE X FE) DI TEE AND THRUST BLOCK PER IRWD STD. DWG. W-16	1	EA	\$280.00	\$280.00	\$300.00	\$300.00	\$498.49	\$498.49	\$605.00	\$605.00	\$300.00	\$300.00
78	INSTALL 6" 22 1/2" DI BEND (PO X PO) AND THRUST BLOCK PER IRWD STD. DWG. W-16	4	EA	\$210.00	\$840.00	\$150.00	\$600.00	\$389.56	\$1,558.24	\$285.00	\$1,140.00	\$400.00	\$1,600.00
79	INSTALL CASING TEST STATION PER IRWD STD. DWG. CP-3	2	EA	\$1,460.00	\$2,920.00	\$1,200.00	\$2,400.00	\$870.81	\$1,741.62	\$2,600.00	\$5,200.00	\$1,100.00	\$2,200.00
80	REMOVE EXISTING END OF LINE FLUSH-OUT ASSEMBLY PER IRWD STD. DWG. W-12 AND CONNECT TO EXISTING 6" PVC RW WITH 6" FLANGED COUPLING ADAPTER	1	EA	\$2,400.00	\$2,400.00	\$1,200.00	\$1,200.00	\$1,028.81	\$1,028.81	\$2,245.00	\$2,245.00	\$2,200.00	\$2,200.00
81	INSTALL 6" 22 1/2" VERTICAL DI BEND (FE X MJ) AND THRUST BLOCK PER IRWD STD. DWG. W-16	2	EA	\$350.00	\$700.00	\$600.00	\$1,200.00	\$650.40	\$1,300.80	\$350.00	\$700.00	\$300.00	\$600.00
82	ADJUST VALVE CAP TO BASE GRADE	16	EA	\$410.00	\$6,560.00	\$350.00	\$5,600.00	\$425.53	\$6,808.48	\$95.00	\$1,520.00	\$425.00	\$6,800.00
83	ADJUST VALVE TO FINAL GRADE	16	EA	\$530.00	\$8,480.00	\$400.00	\$6,400.00	\$425.53	\$6,808.48	\$185.00	\$2,960.00	\$425.00	\$6,800.00
TOTAL DELETABLES - IRWD CAPITAL IMPROVEMENTS (SECTIONS I-J)					\$199,240.00		\$196,600.00		\$215,026.45		\$203,911.00		\$323,196.00

- _____ Dave Conley
- _____ Mike Morse
- _____ Aaron Beck
- _____ File with Bid Key Map
- _____ Mary Oshma - Cost Maint

PRE-BID MEETING DATE June 28 2016
 BID OPENING DATE July 21 2016
 WITNESSED BY Tina Bachelder
 Erica Manoneaux

DECLINED PRIOR TO PRE-#10: FYDAQ 7/21/16
NO SHOW AT PRE#10
DID NOT SUBMIT SHOPP/LETT PIPELINE

BID PACKAGE: B00289
TASK PCID: LD-0006.5T.52.CN01
APPROXIMATELY 8,800 LINEAR FEET OF STREET IMPROVEMENTS

LOW BIDDER BOUDREAU	2ND BIDDER PAULUS	3RD BIDDER IRVINE PIPELINE	4TH BIDDER L&S	5TH BIDDER KANA	6TH BIDDER CLEARWATER
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Required items to be included in bid package:

- 1 Signed Addendum Nos. 1-6
- 2 Corporate Seal (if applicable)
- 3 Correct Signatures (Page V-3)
- 4 Bid Totals Correctly
- 5 List of SubContractors
- 6 Equipment/Material Source Information
- 7 Contractors Rates/Reviewed
- 8 10% Bid Bond
- 9 Construction Schedule
- 10 Non-Collusion Certificate
- 11 Contractor Prequalified

Comments	Comments	Comments	Comments	Comments	Comments
X X X X X X X X X X	MISSING SIGNATURES X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X
			INCORRECT SIGNATURES X X X X X X X X X X		MISSING SIGNATURES X X X X X X X X X X
			NOT INCLUDED NOT INCLUDED X X X X X X X X	NOT INCLUDED NOT INCLUDED X X X X X X X X	NOT INCLUDED NOT INCLUDED X X X X X X X X

QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
III. DELETABLES - IRWD CAPITAL															
The following items may or may not be a part of the Contract.															
J. GENERAL															
170	MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE)	1	LS	\$4,300.00	\$4,300.00	\$5,381.00	\$5,381.00	\$3,500.00	\$3,500.00	\$1,800.00	\$1,800.00	\$2,500.00	\$2,500.00	\$15,000.00	\$15,000.00
171	DEVELOP CONSTRUCTION WATER	1	LS	\$1,500.00	\$1,500.00	\$1,614.00	\$1,614.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
172	PAYMENT AND PERFORMANCE BONDS	1	LS	\$2,100.00	\$2,100.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00	\$1,600.00	\$1,600.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
173	TRAFFIC CONTROL	1	LS	\$0.00	\$0.00	\$269.00	\$269.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
174	INTERIM EROSION AND SEDIMENT CONTROL	1	LS	\$0.00	\$0.00	\$538.00	\$538.00	\$2,000.00	\$2,000.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00
175	ALL ELSE REQUIRED TO CONSTRUCT THE WORK, NOT LISTED ON THE SCHEDULE OF VALUES, BUT INCLUDED ON THE PLANS AND SPECIFICATIONS	1	LS	\$0.00	\$0.00	\$289.00	\$289.00	\$2,000.00	\$2,000.00	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00
K. IRWD CAPITAL RECYCLED WATER IMPROVEMENTS															
176	CONSTRUCT 8" AWWA C-900 PVC PURPLE PIPE (DR-14) & TRENCHING PER IRWD STD DWG W-17	1,049	LF	\$27.00	\$28,323.00	\$32.00	\$33,568.00	\$30.00	\$31,470.00	\$45.00	\$47,205.00	\$39.00	\$40,811.00	\$30.00	\$31,470.00
177	CONSTRUCT 8" AWWA C-900 PVC PURPLE PIPE (DR-14) & TRENCHING PER IRWD STD DWG W-17	2,367	LF	\$30.00	\$71,010.00	\$36.00	\$85,212.00	\$35.00	\$82,845.00	\$45.00	\$106,155.00	\$35.00	\$82,845.00		
178	INSTALL 8" (RWG) RESILIENT WEDGE GATE VALVE (FE) AWWA C-506, CLASS 150 & THRUST BLOCK PER IRWD STD DWGS W-22 & W-16	3	EA	\$870.00	\$2,610.00	\$1,196.00	\$3,588.00	\$1,200.00	\$3,600.00	\$1,600.00	\$4,800.00	\$1,764.00	\$5,292.00	\$1,700.00	\$5,100.00
179	INSTALL 8" (RWG) RESILIENT WEDGE GATE VALVE (FE) AWWA C-506, CLASS 150 & THRUST BLOCK PER IRWD STD DWGS W-22 & W-16	2	EA	\$1,200.00	\$2,400.00	\$1,600.00	\$3,200.00	\$1,800.00	\$3,600.00	\$1,900.00	\$3,800.00	\$2,104.00	\$4,208.00	\$2,000.00	\$4,000.00
180	INSTALL 1" (AV) AIR RELEASE & VACUUM RELIEF ASSEMBLY PER IRWD STD DWG W-11	1	EA	\$2,400.00	\$2,400.00	\$2,307.00	\$2,307.00	\$2,000.00	\$2,000.00	\$3,500.00	\$3,500.00	\$3,894.00	\$3,894.00	\$2,000.00	\$2,000.00
181	INSTALL 8"x4" D TEE (FE), (REDUCING ON THE BRANCH) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$280.00	\$280.00	\$507.00	\$507.00	\$300.00	\$300.00	\$450.00	\$450.00	\$296.00	\$296.00	\$500.00	\$500.00
182	INSTALL 8"x4" D TEE (FE), (REDUCING ON THE BRANCH) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$310.00	\$310.00	\$477.00	\$477.00	\$350.00	\$350.00	\$550.00	\$550.00	\$361.00	\$361.00	\$615.00	\$615.00
183	INSTALL 8"x4" D CROSS (FE), (REDUCING ON THE BRANCH) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$400.00	\$400.00	\$620.00	\$620.00	\$450.00	\$450.00	\$775.00	\$775.00	\$414.00	\$414.00	\$1,720.00	\$1,720.00
184	CONSTRUCT 8" (3/8" COMPOUND BEND), 22 5' D BEND (PO&FE) W/ 11 25' BEND (FE&PO) & THRUST BLOCK PER IRWD STD DWG W-16	3	EA	\$440.00	\$1,320.00	\$396.00	\$1,188.00	\$420.00	\$1,260.00	\$660.00	\$1,980.00	\$550.00	\$1,650.00	\$675.00	\$2,025.00
185	INSTALL 8" 11 25' D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$710.00	\$710.00	\$550.00	\$550.00	\$500.00	\$500.00	\$350.00	\$350.00	\$374.00	\$374.00	\$300.00	\$300.00
186	INSTALL 8" 22 5' D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-16	3	EA	\$710.00	\$2,130.00	\$550.00	\$1,650.00	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$300.00	\$900.00	\$280.00	\$840.00
187	INSTALL 8" 45 D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$330.00	\$330.00	\$330.00	\$330.00	\$280.00	\$280.00	\$300.00	\$300.00	\$326.00	\$326.00	\$265.00	\$265.00
188	INSTALL 8" 90 D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-16	1	EA	\$480.00	\$480.00	\$380.00	\$380.00	\$300.00	\$300.00	\$350.00	\$350.00	\$336.00	\$336.00	\$270.00	\$270.00
189	INSTALL 8"x6" REDUCING 90 D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-15	1	EA	\$850.00	\$850.00	\$448.00	\$448.00	\$380.00	\$380.00	\$500.00	\$500.00	\$420.00	\$420.00	\$330.00	\$330.00
190	INSTALL 6" D TEE (FE) & THRUST BLOCK PER IRWD STD DWG W-15	1	EA	\$250.00	\$250.00	\$407.00	\$407.00	\$300.00	\$300.00	\$475.00	\$475.00	\$260.00	\$260.00	\$200.00	\$200.00
191	INSTALL 8" D (FE&PO) ADAPTOR	4	EA	\$180.00	\$720.00	\$450.00	\$1,800.00	\$1,150.00	\$4,600.00	\$360.00	\$1,440.00	\$1,160.00	\$4,640.00	\$1,160.00	\$4,640.00
192	INSTALL 6" D (FE&PO) ADAPTOR	4	EA	\$120.00	\$480.00	\$300.00	\$1,200.00	\$1,000.00	\$4,000.00	\$800.00	\$3,200.00	\$1,050.00	\$4,200.00	\$1,050.00	\$4,200.00
193	CONSTRUCT TEMPORARY FLUSH-ASSEMBLY PER IRWD STD DWG W-12	1	EA	\$800.00	\$800.00	\$1,140.00	\$1,140.00	\$1,300.00	\$1,300.00	\$1,600.00	\$1,600.00	\$2,224.00	\$2,224.00	\$1,520.00	\$1,520.00
194	CONSTRUCT 16" STEEL CASING W/ STEEL WALL & 6" PER IRWD STD DWG W-21	190	LF	\$1,400.00	\$266,000.00	\$1,600.00	\$304,000.00	\$1,150.00	\$218,500.00	\$1,325.00	\$251,750.00	\$1,100.00	\$209,000.00	\$800.00	\$152,000.00
195	INSTALL 4" STEEL CASING COPS PER IRWD STD DWG D-3	2	EA	\$1,400.00	\$2,800.00	\$1,600.00	\$3,200.00	\$1,150.00	\$2,300.00	\$1,325.00	\$2,650.00	\$1,100.00	\$2,200.00	\$800.00	\$1,600.00
196	INSTALL 8" 11 25' D BEND (PO) & THRUST BLOCK PER IRWD STD DWG W-15	1	EA	\$1,100.00	\$1,100.00	\$1,350.00	\$1,350.00	\$1,200.00	\$1,200.00	\$1,600.00	\$1,600.00	\$1,320.00	\$1,320.00	\$1,100.00	\$1,100.00
197	INSTALL 6" D (FE) BLIND FLANGE (FOR FUTURE CONNECTION BY OTHERS)	1	EA	\$1,050.00	\$1,050.00	\$371.00	\$371.00	\$1,150.00	\$1,150.00	\$1,200.00	\$1,200.00	\$2,400.00	\$2,400.00	\$1,150.00	\$1,150.00
198	ADJUST VALVE CAP TO BASE GRADE	5	EA	\$300.00	\$1,500.00	\$350.00	\$1,750.00	\$325.00	\$1,625.00	\$425.00	\$2,125.00	\$1,825.00	\$9,125.00	\$600.00	\$3,000.00
199	ADJUST VALVE TO FINAL GRADE	5	EA	\$315.00	\$1,575.00	\$428.00	\$2,140.00	\$400.00	\$2,000.00	\$400.00	\$2,000.00	\$500.00	\$2,500.00	\$485.00	\$2,425.00
TOTAL BASE CONTRACT - IRWD CAPITAL IMPROVEMENTS (SECTIONS J-K)				\$180,030.00		\$182,120.00		\$188,816.00		\$287,198.00		\$283,627.00		\$217,436.00	

TOTAL BASE CONTRACT - IRWD CAPITAL IMPROVEMENTS (SECTIONS J-K)