

CITY OF TEMPE, ARIZONA
PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING

JOB ORDER NO. 14 TO CSW CONTRACTORS, INC.
THROUGH EXISTING CONTRACT NO. C2015-240

CITY-WIDE WATER VALVE REPLACEMENTS – PHASE 8

PROJECT NO. 3204961L

This **JOB ORDER NO. 14** is entered into on this 8th day of December, 2016, by and between the **City of Tempe**, an Arizona municipal corporation (“City”) and **CSW Contractors, Inc.**, an Arizona corporation (“JOC”), through the existing Contract made and entered into by and between the parties on October 22, 2015, (Contract No. C2015-240) along with that certain Addendum No. 1 entered into on October 28, 2015, Addendum No. 2 on August 19, 2016 and Addendum No. 3 on October 11, 2016 (collectively “Contract”).

SECTION 1 – JOB ORDER PRICE AND WORK LOCATION: JOC shall furnish any and all plant, materials, labor, construction equipment, services and transportation (all applicable taxes included) required for performing all work for the construction of City-Wide Water Valve Replacements – Phase 8, (Project No. 3204861L) (“Project”) for the sum of One Hundred Seventy Six Thousand Five Hundred Seventy and 88/100 Dollars (\$176,570.88), as detailed in the Proposal (Exhibit “A”) attached hereto and incorporated herein by this reference, and to completely and totally construct the same and install the materials therein for the Project, in a good and workmanlike and substantial manner and to the satisfaction of City or its properly authorized agents and strictly pursuant to and in conformity with the Specifications and Plans for the Project and other documents that may be requested by City through its Engineer or other properly authorized agents, as provided herein. The full street or physical address of the construction work location (“Work Location”) is 1125 E. Rio Salado Parkway, Tempe, Arizona. JOC shall list the Work Location in any subcontract related to this job order at any level and each subcontractor shall

likewise include the Work Location in any of its subcontracts.

SECTION 2 – REQUIRED SUBMITTALS: JOC shall submit the completed forms referenced in the Forms Appendix (Exhibit “B”) attached hereto to City for approval prior to receipt of a Notice to Proceed issued by City for the Project.

SECTION 3 – AMENDMENT: City of Tempe Contract No. C2015-240, as amended on October 28, 2015, August 19, 2016 and October 11, 2016, the terms and conditions contained therein and all exhibits attached to the Contract and to this Job Order No. 14, are by reference incorporated into this Job Order No. 14. All provisions of the underlying Contract where not inconsistent with this Job Order No. 14 shall remain binding on the parties.

SECTION 4 – JOB ORDER TERM: Work shall start as soon as practicable, and in no case later than seven (7) calendar days after the Notice to Proceed is issued by City, and shall be completed within eighty (80) calendar days thereafter.

[SIGNATURE PAGE TO FOLLOW]

City-Wide Water Valve Replacements -- Phase 8
Project No. 3204961L

DATED this 8th day of December, 2016.

CITY OF TEMPE, ARIZONA

By: _____
Mark W. Mitchell, Mayor

By: _____
Public Works Director

ATTEST:

Recommended by:

Brigitta M. Kuiper, City Clerk

Deputy PW Director/Interim City Engineer

APPROVED AS TO FORM:

Judith R. Baumann, City Attorney

JOC warrants that the person who is signing this Job Order on behalf of the JOC is authorized to do so and to execute all other documents necessary to carry out the terms of this Job Order.

CSW CONTRACTORS, INC.

By: _____
Signature

Printed Name

Its: _____
Title

Federal I.D. No./Social Security No.



October 14, 2016

EXHIBIT A

City of Tempe
Engineering Division
Attention: Barrett Jurgemeyer, P.E.
31 East Fifth Street
Tempe, Arizona 85281

Re: Tempe JOC City Wide Small Valve Replacement Package #08 Rev.1
HD #: 2762

Dear Mr. Jurgemeyer:

Enclosed for your review and consideration is our bid proposal for the replacement of the following valve identified by the City to be replaced at the southeast corner of Rural Rd & Rio Salado Pkwy:

Tempe ID # _____
SW14N4VL0018

Also enclosed is the corresponding GIS map, equipment staging area map, and traffic signal electrical diagram for this valve location. As service laterals are not indicated on this map, nor all the valves that must be closed for the shutdowns, we anticipate that the City will provide us a list of customers who will be effected with the waterline shutdown. Permanent lane closures will be required for the NB Rural Rd & EB Rio Salado Pkwy curb lanes for the duration of the project. We will also assist the City in distributing door hangers and/or flyers as necessary to alert the customers of the water shutdowns.

Based on the plans, the information above and the scope of work attached, CSW will complete the Tempe JOC City Wide Small Valve Replacement #08 project for the Lump Sum price of \$176,570.88.

Should you have any questions, concerns, or comments, feel free to contact me at 602-266-7000 at your convenience.

Sincerely,

Joseph Kilgallen
Procurement & Operations Manager



Project Name: City Wide Small Valve Replacement **HD #** 2762
Customer: City of Tempe **Date:** October 14, 2016
Description: Replace Valve SW14N4VL0018 at Rio Salado & Rural Rd **Invoicing:** JOA #8 Rev 1

Valve Number	DESCRIPTION	QUANTITY	UM	UNIT COST	TOTAL
SW14N4VL0018	12" Gate Valve Replacement	1	Each	\$ 134,420.04	\$ 134,420.04
	Fire Watch Allowance	16	Hours	\$ 40.48	\$ 647.68
	Traffic Signal Conductor Relocation Allowance	1	LS	\$ 17,005.00	\$ 17,005.00
					\$ -
	Subtotal Construction				\$ 152,072.72
	Overhead & Profit			8.00%	\$ 12,165.82
	General Liability Insurance			1.11%	\$ 1,688.01
	Builders Risk Insurance			0.10%	\$ 152.07
	Payment & Performance Bond			1.00%	\$ 1,660.79
	Subtotal				\$ 167,739.40
	Sales Tax			5.265%	\$ 8,831.48
	Total Job Order Price				\$ 176,570.88

QUALIFICATIONS:

1. Traffic Control is included.
2. This pricing is based upon permanent lane closures on the NB Rural & EB Rio Salado curb lanes for the duration of the project.
3. Off-Duty officer included full time during actual working hours when traffic control devices are setup within 300' of signalized intersection.
4. Pedestrian traffic will be re-routed at signalized intersections for sidewalk closures.
5. Temporary pedestrian walkways are excluded.
6. Temporary traffic signal for EB Rio Salado Pkwy is included.
7. Removal and reinstallation of EB Rio Salado Pkwy existing traffic signal is included.
8. Reroute of existing COT underground traffic signal conductors in conflict with excavation is included as an allowance if needed.
9. Reroute of existing APS underground utilities is excluded.
10. Fiber optic wiring relocation is excluded based upon initial investigation indicating it is not in conflict.
11. Traffic signal subcontractor will be IMSA certified.
12. Existing traffic signal base is anticipated to be per COT Detail T-571; there will be additional charges if the base requires chipping / removal for excavation.
13. Potholing after blue stake included.
14. De-watering as necessary included based on a complete line shutdown.
15. Bedding and shading to one foot above pipe.
16. Backfill material will be 1/2 sack slurry.
17. All Spoils to be hauled off of site.
18. Hydro-excavated material to be placed at ASU parking lot on the north side of Rio Salado for drying and hauled off when excavation is complete.
19. 6" Asphalt replacement included.
20. Crack Seal Pavement Joints included.
21. Concrete sidewalk panel with full ramp replacement included due to size and orientation of excavation limits.
22. Materials testing is excluded.
23. Total project duration is anticipated to take approximately 9 - 12 +/- working days based upon the existing soil conditions, existing underground utilities, and existing traffic signal pole base size.
24. An onsite Blue Stake meeting will be scheduled prior to construction with all known utility owners for final review of their utility locations.
25. Preconstruction potholing is included to physically locate existing utilities prior to construction during the month of December.

BBJ
10/18/16

Cost Breakdown Structure (CBS) Register

CSW CONTRACTORS, INC..

2762 - City Wide Water Valve Replacement Project

CBSCode	Description	Forecast Quantit	UM	UnitCost	Total Cost (Forecast)
8	JOA #8 (SW14N4VL0018)	1.00	LS	\$152,072.64	\$152,072.64
8.1	SW14N4VL0018 - 12"	1.00	LS	\$152,072.64	\$152,072.64
8.1.1	Private Locator	1.00	LS	\$0.00	\$0.00
8.1.2	Potholing conflicts	1.00	LS	\$1,960.00	\$1,960.00
8.1.3	Public outreach notifications	1.00	LS	\$501.08	\$501.08
8.1.4	Set up/take down/plan submittal Traffic Control	1.00	LS	\$12,989.34	\$12,989.34
8.1.5	Message Boards	2.00	Each	\$350.00	\$700.00
8.1.6	Law Enforcement - Intersection Traffic Control	1.00	LS	\$9,912.00	\$9,912.00
8.1.7	Pedestrian access	1.00	LS	\$0.00	\$0.00
8.1.8	Temporary Traffic Signal Modification	1.00	LS	\$19,430.00	\$19,430.00
8.1.8.1	Remove/ Re-install Existing Traffic Signal	1.00	LS	\$17,830.00	\$17,830.00
8.1.8.2	Temporary Traffic Signal - Rent	1.00	LS	\$1,600.00	\$1,600.00
8.1.9	Sawcut	1.00	Each	\$312.24	\$312.24
8.1.10	Demo Concrete or asphalt	1.00	Each	\$579.28	\$579.28
8.1.11	Excavate	1.00	LS	\$35,216.93	\$35,216.93

Row	Code	Assembly	Description	QTY	UM	Pay Hrs	Unit Cost	Total Cost(Forecas
1	E314		314 Excavator	1.00	Each	40.00	\$70.36	\$2,814.40
2	LOPER		Operator	1.00	Each	50.00	\$44.23	\$2,211.38
3	LLAB		Laborer	2.00	Each	100.00	\$27.90	\$2,790.28
4	LPIPE		Pipe Layer	0.00	Each	0.00	\$40.48	\$0.00
5	LFOR		Foreman	1.00	Each	50.00	\$50.33	\$2,516.46
6	EPV		Passenger Vehicle Escap	1.00	Each	40.00	\$15.61	\$624.40
7			Shoring Rental	1.00	Each		\$2,880.00	\$2,880.00
8	U16		Badger Hydrovac Truck	2.10	Each	84.00	\$245.00	\$20,580.00
9	MWPHX		Purchase Water	60.00	MG		\$5.00	\$300.00
10			Hydrant Meter Fee	1.00	LS		\$500.00	\$500.00

8.1.12	Load & Haul Spoils			1.00	Each		\$6,166.65	\$6,166.65
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Row	Code	Assembly	Description	QTY	UM	Pay Hrs	Unit Cost	Total Cost(Forecas
1	E950		950 Loader	1.00	Each	16.00	\$75.16	\$1,202.56
2	LOPER		Operator	1.00	Each	20.00	\$44.23	\$884.55
3	LLAB		Laborer	1.00	Each	20.00	\$27.90	\$558.06
4	U16		Super 16 - subcontracte	1.00	Each	16.00	\$85.00	\$1,360.00
5	UDUMPD		Dump Debris	11.00	Load		\$65.00	\$715.00
6	E2000		2000 Gal Water Truck	1.00	Each	16.00	\$42.12	\$673.92
7	LTEAM		Truck Driver	1.00	Each	20.00	\$38.63	\$772.56

8.1.13	Slurry Backfill			1.00	LS		\$8,781.96	\$8,781.96
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8.1.14	Pump Water			1.00	LS		\$1,763.52	\$1,763.52
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Cost Breakdown Structure (CBS) Register

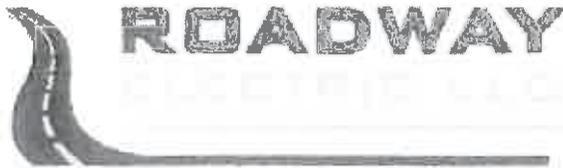
CSW CONTRACTORS, INC..

2762 - City Wide Water Valve Replacement Project

CBSCode	Description	Forecast Quantit	UM	UnitCost	Total Cost (Forecast)
8.1.15	Water Wagon	1.00	LS	\$0.00	\$0.00
8.1.16	Dewatering standby time	1.00	Each	\$2,317.11	\$2,317.11
8.1.17	Purchase 12" Valve and piping	1.00	LS	\$3,000.00	\$3,000.00
8.1.18	Install 12" Valve	1.00	Each	\$1,158.56	\$1,158.56
8.1.19	Mill existing asphalt	1.00	LS	\$384.00	\$384.00
8.1.20	Patch asphalt / Replace sidewalk	1.00	Each	\$5,824.48	\$5,824.48
8.1.21	Truncated domes	1.00	LS	\$0.00	\$0.00
8.1.22	Crack Seal Joints	1.00	LS	\$75.00	\$75.00
8.1.23	Striping	1.00	LS	\$0.00	\$0.00
8.1.24	Landscaping	1.00	LS	\$1,150.00	\$1,150.00
8.1.25	Mobilization	1.00	LS	\$2,751.54	\$2,751.54
8.1.26	Job Management	1.00	LS	\$19,296.35	\$19,296.35

Row	Code	Assembly	Description	QTY	UM	Pay Hrs	Unit Cost	Total Cost(Forecast)
1	LSUPER		Superintendent	1.00	Each	120.00	\$87.73	\$10,527.29
2	LAS		Area Supt	0.25	Each	30.00	\$121.69	\$3,650.85
3	LPM		Project Manager	0.25	Each	30.00	\$95.68	\$2,870.37
4	EPV		Passenger Vehicle Escap	1.50	Each	144.00	\$15.61	\$2,247.84

8.1.27	Portable Toilet	1.00	Each	\$150.00	\$150.00
8.1.28	Night Fire Watch	1.00	LS	\$647.61	\$647.61
8.1.29	Relocate Existing Traffic Signal Wiring	1.00	LS	\$17,005.00	\$17,005.00
33					\$152,072.64



2035 W. MOUNTAIN VIEW RD. | PHOENIX, AZ 85021
 602.943.8300 PH | 602.943.8305 FAX

To: CSW CONTRACTORS, INC.	Contact: MR. JOSEPH KILGALLEN
Address: 8901 E. MOUNTAIN VIEW ROAD, SUITE 150 SCOTTSDALE, AZ 85258	Phone: (602) 266-7000 Fax: (602) 266-7070
Project Name: RIO SALADO & RURAL (SEC) TRAFFIC SIGNAL	Bid Number:
Project Location: SOUTHEAST CORNER OF RIO SALADO & RURAL, TEMPE, AZ	Bid Date: 9/20/2016

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
01-BASE					
001	REMOVE EXISTING MODULAR SIGNAL MAST ARM (INCLUDING DISCONNECTION OF EQUIPMENT IF NECESSARY)	1.00	EACH	\$4,355.00	\$4,355.00
004	CONDUIT WORK	1.00	LS	\$2,005.00	\$2,005.00
005	REINSTALLATION OF EXISTING MODULAR SIGNAL MAST ARM (INCLUDING EXISTING EQUIPMENT)	1.00	EACH	\$5,125.00	\$5,125.00
006	MOBILIZATION	1.00	LS	\$4,355.00	\$4,355.00
Total Price for above 01-BASE Items:					\$15,840.00
02-ADD ALTERNATE					
002	ASSIST WITH HOOK-UP AND TURN ON OF TEMPORARY TRAFFIC SIGNAL TRAILER PROVIDED BY OTHERS	1.00	EACH	\$540.00	\$540.00
003	TRAFFIC SIGNAL CONDUCTOR WORK	1.00	LS	\$15,000.00	\$15,000.00
007	REMOVE AND REINSTALL TRAFFIC SIGNAL MODULAR POLE UPRIGHT ON EXISTING FOUNDATION	1.00	EACH	\$3,455.00	\$3,455.00
Total Price for above 02-ADD ALTERNATE Items:					\$18,995.00
Total Bid Price:					<u>\$34,835.00</u>

Notes:

- * PRICE EXCLUDES THE FOLLOWING: BOND, SALES TAX, PERMITS AND/OR ANY AND ALL FEES, STAKING AND/OR ENGINEERING, REMOVALS, SAWCUTTING, HAUL OFF (FOUNDATIONS, A.C., CONCRETE, SPOILS, ETC.), TRAFFIC CONTROL, BARRICADES, PERMANENT PATCH A.C. OR CONCRETE, DUST CONTROL, UTILITY RELOCATION, SANITARY FACILITIES, YARD SPACE FOR STORAGE OF MATERIALS AND EQUIPMENT, LANDSCAPE RESTORATION, AND LIQUIDATED DAMAGES.
- * PRICES ARE BASED ON NORMAL WORKING HOURS. PRICES EXCLUDE OVERTIME, NIGHTTIME, WEEKEND, AND STATE-RECOGNIZED HOLIDAY HOURS.
- * IF HELD, RETENTION IS TO BE RELEASED ONE MONTH FOLLOWING THE COMPLETION OF THE CONTRACT WORK PERFORMED BY ROADWAY ELECTRIC.
- * PRICE ASSUMES SIGNAL MAST ARM CAN BE STORED AT THE EXISTING INTERSECTION AND WILL BE PROTECTED BY GC FORCES.
- * REINSTALLATION OF EXISTING SIGNAL MAST ARM INCLUDES FURNISHING NEW CONNECTION BOLTS
- * TRAFFIC SIGNAL WORK ONLY. ANY UNFORESEEN STREET LIGHTING IS EXCLUDED AND PROPOSAL ASSUMES BY RESPECTIVE UTILITY COMPANY (APS).
- * PROPOSAL ASSUMES WORK WOULD START AND COMPLETE IN DECEMBER 2016.
- * A GENERAL 229737
C-11 229738

BBJ
10/18/16



CSW Contractors
Attention: Josh Campbell
Re: JOC – City Water Valve Replacement
Bid Date: 9/22/2016

470

WE PROVIDE:

BARRICADES

TRAFFIC CONTROL

TRAFFIC PLANS

PLATES & SHORING

PAVEMENT MILLING

SAWING & CORING

BARRIER WALL

SAFETY SUPPLIES

CUSTOM SIGNS

SIGN INSTALLATIONS

ASPHALT PAVING

Locations:

Phoenix

2533 W. Holly St.
Phoenix, AZ 85009
(602) 431-0911

Chandler

17046 S. Weber Dr.
Chandler, AZ 85226
(602) 431-0911

Tucson

2802 N. Flowing Wells
Tucson, AZ 85705
(520) 624-0465

Prescott

11580 E. Santa Fe Loop
Dewey, AZ 86327
(928) 759-0094

Flagstaff

5301 E. Commerce Ave.
Flagstaff, AZ 86004

(928) 759-0094

TRAFFIC CONTROL DAILY RENTAL COST*

1- Portable Traffic Signal (Slave Unit) @ \$100.00* per day

Estimated labor cost to deliver or pick up this unit is \$85.00* per occurrence.

***Contractor is responsible for installation and removal.**

Sand Bag Ballast:

50- Sandbags @ 1.25 each- \$62.50*

EXCLUSIONS:

Installation/ Removal, Variable Message Boards, Arrow Boards, No Parking Signs, Municipal Plan Review, Permit Fees, Shadow Truck, Project Specialty Signs, Concrete or Water Filled Barrier Wall, Flagman, Police Officers, Standby Time and ADA Compliance.

TERMS/ CONDITIONS:

- 1) *1) Rental prices above are estimates from our interpretations of the plans and specifications. Invoices will be based off the actual ticketed equipment and / or labor delivered to the project. Unless specified, this estimate does not include any specialty, non-spec, or project signs which may be requested by the engineer. This estimate is for traffic control; any extra devices used for hazards (flagging, open trench signs, extra barricades, etc.) will have to be added by the contractor.
- 2) Sales tax is not included and will be added to all billings. Tax rate subject to change as the prevailing rate changes.
- 3) This quote is valid for 60 days. If work starts after 60 days, then Trafficade reserve the right to nullify this quote and re-quote at its own discretion.
- 4) Net 30 days on approved credit.
- 5) 0% Retention.

Trafficade Estimator:
Luis Aguilar
602-431-0911
Luis@trafficade.com

BBJ
10/18/16



1564 N. Alma School Roa
Mesa, AZ 85201
ROC#268390

Phone: 480-272-3523

Badger Daylighting- Pricing for CSW Contractors

Effective September 15, 2016 until March 15, 2016

Badger Hydro Vac and 1-Person Crew:

Normal ground conditions	\$220.00/Hour
(2) Man Crew & Overtime Rate	\$245.00/Hour
Water (1800 gallons)	\$40/Load
Per Diem	\$270.00 / crew
Dump fees	\$80.00 per load
Travel Charges	Port to port Travel Charges
One hour or longer travel time	\$190.00/Hour

*No charge for water if provided by customer.

Badger Flusher Truck (4000 Gallons)	\$205.00 / HR
Badger Water Truck (4000 Gallons)	\$95.00 / HR

*Additional water charges may apply depending on source and quantity

Supplementary Rates:

Additional Labor (if requested)	\$45/Hour
3 rd Party Expenses	Cost Plus 10%
Crew Truck (if requested)	\$150.00/Hour (drive time only)
Per Diem (if required)	\$135 per day per person

Utility Locating Rates:

Initial 2 hours (minimum charge per man hour)	\$135.00 (2hr min)
Additional hours (after meeting 2 hr. minimum)	\$ 95.00 /Hour
<i>Electromagnetic and acoustic locating, Sonde or locatable rod</i>	
<i>Insertion and locating, fault locating, leak locating</i>	
Pipe camera Insertion	\$150.00 (2hr min)
<i>Pipe camera equipped with locating sonde for locating laterals and blockages. Inspection and recording included</i>	
Confined Space Entry – CSE	\$325.00 (4hr min)
<i>Three man crew with CSE equipment and creation of CSE permit. Includes pipe camera and locating equipment.</i>	
Ground Penetrating Radar Scanning	\$165.00 (2hr min) Research for
civil or as-built site drawings	\$ 75.00 (2hr min) GPS Data
Collection for Mapping of Utilities	\$ 95.00 (2hr min) CAD Services
for Map Creation	\$ 85.00 (2hr min)

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10/18/16

COORDINATION & CONSULTING RATES:

Project Management & Coordination of Utility Inspections \$125.00 /hr	
<i>Includes complete organization of all Blue Stake locates, design review, utility coordination & avoidance.</i>	
Daily per-diem (travel out of Phoenix Metro)	\$135.00 day
Mileage charges (outside Phoenix Metro area)	\$.58 per mile

Badger Daylighting is responsible for providing the following:

- A state-of-the-art, High Efficiency Equipment
- A fully trained, PPE-equipped crew
- All tools and equipment necessary for the Hydro Vac excavation or cleaning process.

Your organization will be responsible for providing the following:

- Securing and restoration of excavations
- Materials for covering and securing excavations
- All surveying and surface locates of all underground utilities, if needed
- Removal of any required asphalt or concrete prior to excavating
- Permission and excavating permits from landowner, gas companies and/or utility companies
- In the event that contact is made with hazardous waste/substance in the course of daylighting underground infrastructure, owner/licensee shall be responsible for its containment, disposal, and subsequent cost of decontaminating of the hydrovac unit

Equipment Specifications:



HYDRO EXCAVATION UNIT



FLUSER UNIT 4000GAL/80GPM



WATER TRUCK 4000GAL.

Debris Capacity: 12 Cubic Yards
Water Capacity: 1800 Gallons
Vacuum cfm: 6200
Hg: 28"
Water Pump: 18.5 gpm @ 2500 psi

Submitted by:

Ed Flowers

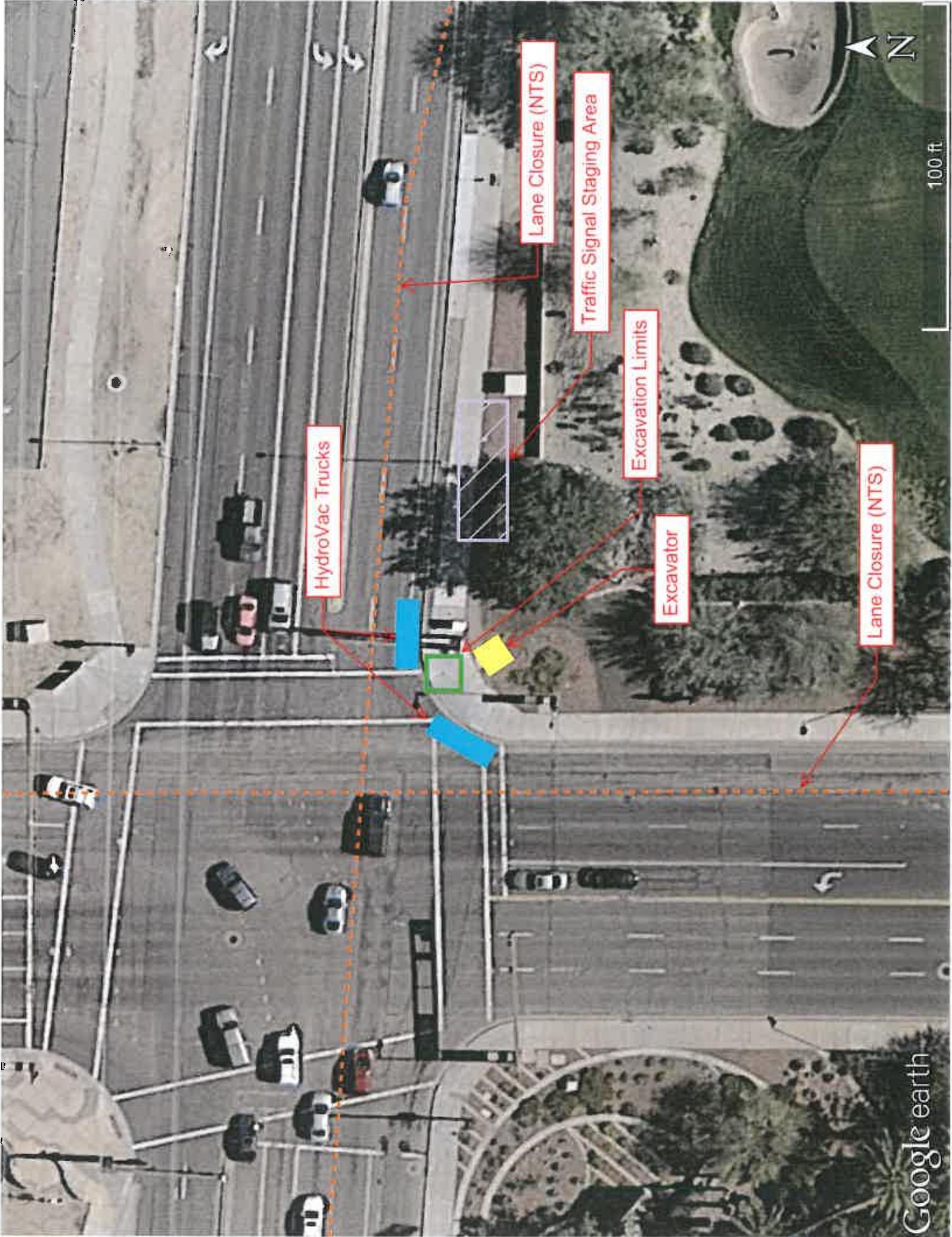
Ed Flowers
Business Dev. Mgr.
480-244-5483

*BBS
10/18/16*

City of Tempe Public Works Capital Improvements Program Valve Replacement Project



BBJ
10/18/16



100 ft



Lane Closure (NTS)

Excavator

Excavation Limits

Traffic Signal Staging Area

Lane Closure (NTS)

HydroVac Trucks

Google earth

BB5 10/18/16

Pull new Cables to feed Detection on NE corner.

Remove existing conduit / wiring for excavation & Replace with new conduit once complete for future use

Provide temporary cables to temporary traffic signal

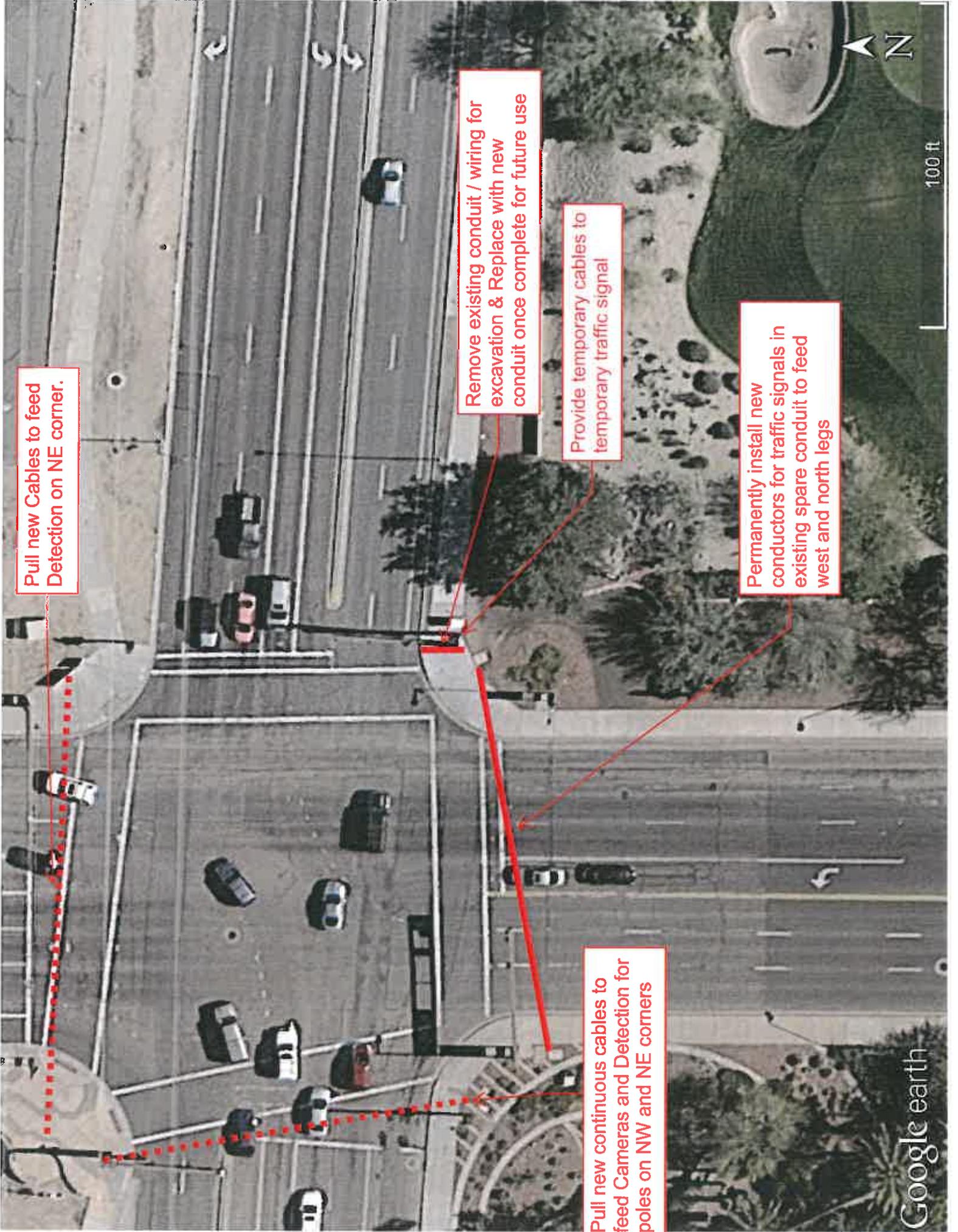
Permanently install new conductors for traffic signals in existing spare conduit to feed west and north legs

Pull new continuous cables to feed Cameras and Detection for poles on NW and NE corners

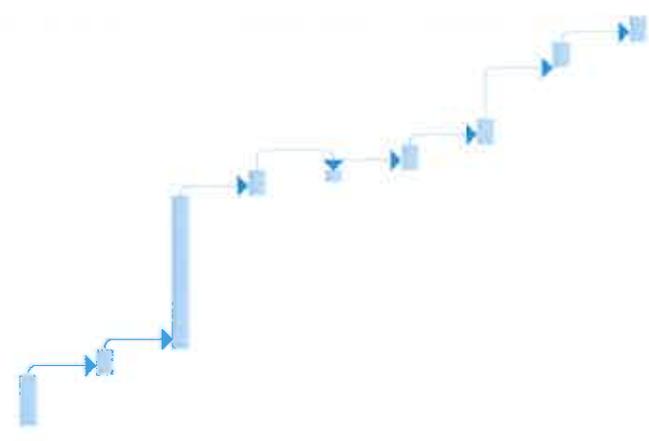
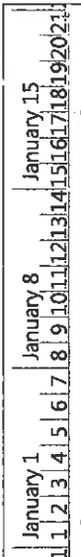
100 ft

Google earth

10/18/16



ID	Task Mode	Task Name	Duration	Start	Finish
1	→	SW14N4V10018 12" Valve Replacement at Rio Saldo Pkwy & Rural Rd	12 days	Mon 1/2/17	Tue 1/17/17
2	→	Relocate Traffic Signal	2 days	Mon 1/2/17	Tue 1/3/17
3	→	Prep for Excavation & Demo	1 day	Wed 1/4/17	Wed 1/4/17
4	→	Excavate to Valve	4 days	Thu 1/5/17	Tue 1/10/17
5	→	Dewater Pipe	1 day	Wed 1/11/17	Wed 1/11/17
6	→	Replace Valve	0.5 days	Wed 1/11/17	Wed 1/11/17
7	→	Slurry Backfill	1 day	Thu 1/12/17	Thu 1/12/17
8	→	Slurry Cure Time	1 day	Fri 1/13/17	Fri 1/13/17
9	→	Replace Concrete Sidewalk & Asphalt	1 day	Mon 1/16/17	Mon 1/16/17
10	→	Restore Traffic Signal	1 day	Tue 1/17/17	Tue 1/17/17



Project: JOA #8 Schedule
Date: Fri 10/14/16

Task	Inactive Summary	External Tasks
Split	Manual Task	External Milestone
Milestone	Duration-only	Deadline
Summary	Manual Summary Rollup	Progress
Project Summary	Manual Summary	Manual Progress
Inactive Task	Start-only	
Inactive Milestone	Finish-only	

BBJ
10/18/16

EXHIBIT B

FORMS APPENDIX

The following forms shall be completed and submitted with each Job Order.

LIST OF SUBCONTRACTORSSB-1
STATUTORY PERFORMANCE BONDPB-1
STATUTORY PAYMENT BONDPB-3
AFFIDAVIT OF COMPLIANCE WITH TEMPE CITY CODEAD-1

STATUTORY PERFORMANCE BOND
PURSUANT TO TITLE 34,
CHAPTER 6, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That _____ (“Principal”) and _____,
a corporation organized and existing under the laws of the State of _____, with
its principal office in the City of _____ (“Surety”), are held and firmly bound
unto _____ (“Obligee”) in the amount of _____ Dollars
(\$ _____), for the payment whereof, the said Principal and Surety bind themselves,
and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by
these presents.

WHEREAS, the Principal has entered into a certain written Contract with the
Obligee, dated the 8th day of December, 2016, to complete Project No. 3204961L, which
Contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

NOW, THEREFORE, the condition of this obligation is such, that if the principal
faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and
agreements of the contract during the original term of the contract and any extension of the
contract, with or without notice to the surety, and during the life of any guaranty required under
the contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions
and agreements of all duly authorized modifications of the contract that may hereafter be made,
notice of which modifications to the surety being hereby waived, the above obligation is void.
Otherwise it remains in full force and effect.

STATUTORY PAYMENT BOND
PURSUANT TO TITLE 34,
CHAPTER 6, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That _____ (“Principal”) and _____,
a corporation organized and existing under the laws of the State of _____,
with its principal office in the City of _____ (“Surety”), as held and firmly
bound unto _____ (“Obligee”) in the amount of _____
Dollars (\$ _____), for the payment whereof, the said Principal and Surety bind
themselves, and their heirs, administrators, executors, successors and assigns, jointly and
severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written Contract with the
Obligee, dated the 8th day of December, 2016, to complete Project No. 3204961L, which
Contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

NOW, THEREFORE, the condition of this obligation is such, that if the principal
promptly pays all monies due to all persons supplying labor or materials to the principal or the
principal's subcontractors in the prosecution of the work provided for in the contract, this
obligation is void. Otherwise it remains in full force and effect.

Provided, however, that this bond is executed pursuant to the provisions of title
34, chapter 2, article 2, Arizona Revised Statutes, and all liabilities on this bond shall be
determined in accordance with the provisions, conditions and limitations of title 34, chapter 2,
article 2, Arizona Revised Statutes, to the same extent as if they were copied at length in this
agreement.

**CITY OF TEMPE DEPARTMENT OF PUBLIC WORKS
UNCONDITIONAL WAIVER AND RELEASE
FOR CONTRACTOR'S PAYMENT
AND SETTLEMENT OF CLAIMS**

Upon receipt of payment from the City of Tempe, the undersigned:

Contractor's Name: _____

Contractor's Address: _____

The undersigned has been paid and acknowledges having received final payment from the City of Tempe in the amount of \$_____ [state dollar amount for final, total contract amount] for full and final payment of all work, services, equipment, labor, skill and material furnished, delivered and performed by the undersigned for the city or anyone in the construction [or other services] for **CITY-WIDE WATER VALVE REPLACEMENTS – PHASE 8** and **PROJECT NO. 3204961L** at the location of 1125 E. RIO SALADO PARKWAY; and does hereby waive and release any and all rights to mechanic's liens, any state or federal statutory bond right, any private bond right, any claim for payment and any and all rights under any applicable federal, state or local laws related to claim or payment rights for persons in the undersigned's position held on the above-referenced project against the City of Tempe, for this value received. The undersigned further agrees to defend, indemnify and hold harmless the City of Tempe against any and all liens, claims, suits, actions, damages, charges and expenses whatsoever, which the City may incur arising out of the failure or the undersigned to pay in full for all work, services, equipment, labor, skill and material furnished with regard to the project.

The undersigned, in consideration of the payment acknowledged, hereby warrants that he has already paid or will pay using the monies received from this final payment to promptly pay in full all of his contractors, subcontractors, laborers, materialmen and suppliers for all work, materials, equipment or services provided to the above-referenced project.

Contractor Signature

Date

By (Print Name and Title)

Notice: This document waives rights unconditionally and states that you have been paid for giving up those rights. This document is enforceable against you if signed, even if you have not been paid. If you have not been paid in full, use a conditional release form.

[NOTARY SEAL TO FOLLOW]

STATE OF ARIZONA)
COUNTY OF MARICOPA)

On ____ day of _____, 2016, _____ personally appeared before me, and proved by lawful identification documents to be the person who signed the preceding document in my presence, and who affirmed to me that the contents therein are truthful and accurate to the best of his/her knowledge and belief.

Notary Seal

Notary Public

Printed Name

My Commission Expires:
