INTERAGENCY AGREEMENT Contract # 503186

THIS INTERAGENCY AGREEMENT is made and entered into as of the Effective Date (as hereinafter defined) between the City and County of Denver, acting by and through its Board of Water Commissioners, a municipal corporation of the State of Colorado (the "Board"), and the City and County of Denver a municipal corporation of the State of Colorado (the "City").

RECITALS

- 1. The City is planning a reconstruction project to widen and improve Federal Blvd. The "Work" includes engineering, design and construction work necessary to replace an existing water main; add a new water main; perform work associated with Conduit No. 1 and Conduit No. 3 and all other work described in the Utility Clearance Letter dated October 10, 2017 (Exhibit A) and in the "Plans" (Exhibit C).
- 2. This agreement sets forth the parties' responsibilities concerning the Work.
- 3. The estimated cost for the Work is shown in the Federal Blvd 7th to Holden Draft Denver Water Cost Breakout (the "Cost Estimate") (**Exhibit B**).
- 4. The work will be performed in conformance with the Federal Boulevard Reconstruction 5th to Howard Place plans submitted October 2, 2017 (the "Plans") (**Exhibit C**).
- 5. In accordance with the Colorado Constitution and the Charter of the City and County of Denver, the City and the Board are authorized to enter into agreements of this nature.

NOW, THEREFORE, the Board and the City agree as follows:

1. COORDINATION AND LIAISON.

- A. The Executive Director of Public Works is the City's authorized representative for purposes of performing the City's obligations under this Agreement. The Executive Director hereby designates the City Engineer as the Executive Director's authorized representative for purposes of directing and administering the City's activities under this Agreement. The City Engineer has designated James Geist as the Project Manager to generally oversee construction and act as a liaison between the Board and the City's construction contractor. The City may change its authorized representatives at any time by providing written notice to the Board of such change.
- B. The Board's Director of Engineering is the Board's authorized representative for purposes of directing and administering the Board's activities under this

Agreement. The Board may change its authorized representative at any time by providing written notice to the City of such change.

2. THE WORK. The City's consultant will provide design services for the Work and City's contractor will construct the Work as shown on the Plans and specifications approved by the Board. The Board hereby authorizes the City's contractor to exercise the Board's rights with regard to service line replacements pursuant to the Denver Water Operating Rules.

3. DESIGN AND CONSTRUCTION.

A. Board Responsibilities

- (1) As requested by the City, Board representatives shall attend any pre-bid conferences scheduled by the City, assist in the preparation of any required addenda, attend the pre-construction meeting, and attend regularly scheduled construction meetings to address issues related to the Work. The Board shall pay the City the costs associated with the Work based upon the City's estimated costs of design as described herein.
- (2) The Board shall participate in a final inspection of the Work to verify Work completion and acceptance.
- (3) In performing its construction-related obligations, the Board, unless otherwise directed by the City's Project Manager, shall not direct the City's construction contractor, but shall instead communicate with the City's Project Manager.

B. City Responsibilities

- (1) The City through its consultant Tsiouvaras Simmons Holderness will perform engineering.
- (2) The City, through its contractor, shall complete the Work in accordance with the Board's Operating Rules and Engineering Standards and Capital Projects Construction Standards (CPCS).

4. REIMBURSEMENT.

- A. The Board agrees to reimburse the City for all costs associated with the Work. For budgeting purposes, and not as a limit on the Board's obligation, the parties estimate the total cost of the Work to be \$740,333.94, which the Board represents it has budgeted for the purpose of this Agreement.
- B. In the event the City determines that the cost of the Work will exceed the preceding cost estimate, the City shall provide notice to the Board.
- C. The City shall invoice the Board upon completion of the Work or each month for Work completed during the previous month. The invoice shall include a detailed accounting of the actual costs expended for the Work by the City. The Board shall review the invoice and, unless disputing the invoice or the Work as completed, shall pay the invoice in one lump sum payment within thirty (30) days of the receipt of the invoice.

- 5. RECORDS AND AUDITS. The City shall at all times maintain a system of accounting records in accordance with its normal procedures, together with supporting documentation for all Work under this Agreement, which shall be made available for audit and reproduction by the Board at the Board's request. The parties agree that, for a period of at least three (3) years from the final scheduled payment under this Agreement, any duly authorized representative of the City or the Board, including the City Auditor or the City Auditor's designee, shall have access to and the right to examine any directly pertinent books, documents, papers, and records of the parties involving the transactions and other activities related to this Agreement.
- **6. BEST EFFORTS**. The City and the Board agree to work diligently together, and in good faith, using their best efforts to resolve any unforeseen issues and disputes regarding the design, construction, completion, and acceptance of the Work.
- 7. <u>INSPECTION AND ACCEPTANCE</u>. The Board, at its own cost will be allowed to and shall undertake such inspections, as it deems necessary to verify that the Work is being constructed in accordance with the accepted Work plans. If the Board observes that the Work is not being constructed in accordance with the accepted plans, then the Board shall provide timely notice of these observations to the City. If the City fails to take action on these concerns, the Board's representative may stop all work on the Board's facilities.
- **8.** OWNERSHIP AND MAINTENANCE. Upon completion, inspection, and acceptance of the Work, the Board shall own and operate the completed Work. The City shall ensure its contractor is responsible for all costs associated with the maintenance, repair, and replacements of the Work for a period of one year following the Board's acceptance.
- 9. <u>LIABILITY</u>. Each party shall be liable for the errors and omissions of its agents and employees to the extent provided by the Colorado Governmental Immunity Act. This obligation shall survive termination of the Agreement.
- **10. APPROPRIATION.** The City's obligations, whether direct or contingent, extend only to funds appropriated annually by the Denver City Council, paid into the Treasury of the City, and encumbered for the purpose of this agreement. The City does not by this agreement irrevocably pledge present cash reserves for payment or performance in future fiscal years, and this agreement does not and is not intended to create a multiple-fiscal year direct or indirect debt or financial obligation of the City.
- 11. <u>NOTICES</u>. All notices required or given under this Agreement shall be in writing and shall be deemed effective: (a) when delivered personally to the other party; or (b) seven days after posting in the United States mail, first-class postage prepaid, and properly addressed as follows; or (c) when sent by email transmission and the receipt is confirmed by return email transmission.

<u>If sent to the City</u>: James Geist, City and County of Denver Dept. of Public Works, Engineering Division, Capital Projects Management, 201 W. Colfax Ave., Dept. 506, Denver, Colorado 80202; james.geist@denvergov.org.

<u>If sent to the Board</u>: Paul Peloquin, Distribution Engineering, Denver Water, 1600 West 12th Avenue, Denver, Colorado 80204; <u>paul.peloquin@denverwater.org</u> or such other persons or addresses as the parties may have designated in writing.

- 12. <u>NO DISCRIMINATION IN EMPLOYMENT</u>. In connection with the performance of work under this Agreement, the parties agree not to refuse to hire, discharge, promote or demote, or to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, gender identity or gender expression, marital status, or physical or mental disability. The parties further agree to insert the foregoing or a similar provision in all contracts entered into in furtherance of this Agreement.
- 13. <u>CONFLICT OF INTEREST</u>. The parties agree that no official, officer, or employee of the City or of the Board shall have any personal or beneficial interest whatsoever in the Work, related services, or property described herein.
- **SUBJECT TO LOCAL LAWS; VENUE**. Each and every term, provision, or condition herein is subject to and shall be construed in accordance with the provisions of Colorado law, the Charter of the City and County of Denver, and the applicable ordinances, regulations, executive orders, or fiscal rules, enacted or promulgated pursuant thereto. The Charter and Revised Municipal Code of the City and County of Denver, as the same may be amended from time to time, are hereby expressly incorporated into this Agreement as if fully set out herein by this reference. Venue for any legal action relating to this Agreement shall lie in the District Court in and for the City and County of Denver, Colorado.
- **15. GOVERNMENTAL IMMUNITY ACT**. The parties understand and agree that the parties are relying upon and have not waived the monetary limitations and all other rights, immunities and protections provided by the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, et seq., as it may be amended from time to time.
- 16. ENTIRE AGREEMENT. This Agreement constitutes the entire agreement between the Board and the City as to the subject matter hereof, and it replaces all prior written or oral agreements and understandings. It may be altered, amended, or repealed only by a duly executed written instrument. However, the parties acknowledge there are aspects of the Work not within the scope of this Agreement (e.g., utility relocations) that will require submittal, review, approval, and licensing by the Board; such activities shall be governed by the Board's Operating Rules and Engineering Standards.
- 17. <u>NO THIRD-PARTY BENEFICIARIES</u>. Enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement shall be

strictly reserved to the City and the Board; nothing contained in this Agreement shall give or allow any such claim or right of action by any other person or third party.

- **18. EXECUTION OF AGREEMENT**. This Agreement is expressly subject to, and shall not be or become effective or binding on the City and the Board until fully executed by all signatories of the Board and the City and County of Denver.
- 19. EFFECTIVE DATE AND TERMINATION. As used herein, the term "Effective Date" shall mean and refer to the date set out on the City's signature page of this Agreement. This Agreement shall expire, unless earlier terminated or otherwise stated herein, upon completion of the Work. Either party may terminate the Agreement on thirty days' written notice for cause in the event the other party fails to comply with any term or condition contained herein.
- 20. <u>ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS</u>. The Board consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the City in the manner specified by the City. The parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The parties agree not to object to the admissibility of the Agreement in the form of an electronic record, a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature on the grounds that it is an electronic record, an electronic signature, that it is not in its original form, or is not an original.

[END OF PAGE]

Contract Control Number:	
IN WITNESS WHEREOF, the parties ha Denver, Colorado as of	ve set their hands and affixed their seals at
SEAL	CITY AND COUNTY OF DENVER
ATTEST:	By
APPROVED AS TO FORM:	REGISTERED AND COUNTERSIGNED
By	By
<i>y</i>	By



APPROVED:

—DocuSigned by:

Rabett Mahoney

Chief Engineering Officer

CITY AND COUNTY OF DENVER, acting by and through its BOARD OF WATER COMMISSIONERS

- DocuSigned by:

: Ams follow James S48 Lochhead

CEO/Manager

ARRAQVED AS TO FORM:

kristi Riegle

Office of General Counsel

REGISTERED AND COUNTERSIGNED: CITY AND COUNTY OF DENVER

- DocuSigned by:

Timethy: @Brien, CPA

Auditor



STATE OF COLORADO



October 10, 2017

Denver Water 1600 W. 12th Ave Denver, CO 80204-3412 Attn: Paul Peloquin, Interagency Project Manger

Subject:

DENVER WATER - UTILITY CLEARANCE LETTER

PROJECT NO.:

NHPP 2873-172

LOCATION:

Federal Blvd: W 7th Ave to W Holden Pl

After the review of the design plans for the above referenced project, it was noted that Denver Water facilities shall be relocated and/or modified as follows:

Denver Water forces will provide tapping of the existing mains for 2" and smaller tap locations, after the Contractor has exposed the main. This work is expected to take 1 day at each location. This work will be at no cost to the project.

Denver Water forces will operate (open and close) all valves on conduits. Denver Water forces will provide forces to operate valves within 48 hours of notice from the Contractor. This work will be at no cost to the project.

Denver Water forces will inspect work performed by the Contractor on Denver Water facilities. This work will be at no cost to the project for betterment locations and at project cost for work resulting from project impacts.

Denver Water forces will relocate inside-set meters to an outside location in accordance with Denver Water's current Engineering Standards. This work will take 2 days at each location. This work will be done by Denver Water at no cost to the project.

The Contractor will replace any lead service line it cuts with a copper service line from the water main to the inlet side of the water meter. Denver Water forces will be responsible for flushing the service line at the customer's structure at the approximate time the service line is replaced in accordance with then current best management practices. The Contractor and Denver Water will coordinate on a schedule, so that Denver Water may flush the Customer's service line as close as practicable to the time when the service line is replaced. See Cost Allocation agreement section.

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For each led service line encountered, Denver Water will determine whether replacement of the lead service line from the meter to the structure is necessary. If Denver Water determines that replacement is necessary, Denver Water will be responsible for preforming the construction work and costs required to replace the led service line from the meter to the structure.

Denver Water forces will be responsible for outreach, notices, and providing filters to all affected parties that have lead services. This work will be at no cost to the project.

Denver Water forces will be responsible for performing water quality tests when lead service lines are replaced. This work will be at no cost to the project.

Denver Water will bear the cost of creating and distributing educational materials, water quality tests, and water filters where lead service lines are encountered. This work will be at no cost to the project.

Denver Water forces will provide temporary water services, if required, during periods of service outages. This work will be at no cost to the project.

Although the Contractor shall provide traffic control for utility work expected to be coordinated with construction, traffic control for utility work outside of typical project work hours shall be the responsibility of the utility owner. The utility owner shall prepare and submit to the Denver Engineer, a Method of Handling Traffic for utility work to be performed outside of typical project work hours. The utility owner shall obtain acceptance of the Method of Handling Traffic from the Denver Engineer prior to beginning the utility work to be performed outside typical project work hours.

The work below will be performed by the Contractor.

All work on Denver Water Department facilities shall be performed by contractors on the current list of Denver Water Department Pre-Qualified Contractors, and shall be done in conformance with standards and specifications of the Denver Water Department after plans and specs have been approved by Denver Water Sales.

When the Contractor encounters a lead service line, the Contractor shall note the location and notify the City and Denver Water of the location. Notification will be a project cost.

The Contractor shall replace any existing service lines that are lead or galvanized steel with appropriate size copper line from the new tap (to be installed by Denver Water) to the outside set meter pit. Denver Water forces shall replace existing service lines that are lead or galvanized steel from the meter pit to the first non-lead fitting within each structure (per Denver Water Operating Rule 9.04). The Contractor shall protect existing service lines when excavating for the removal of the existing main. The Contractor shall cut existing service lines from the existing main prior to its removal. Caution shall be taken to not damage the existing service lines and meter pits during removal of the main, any damage to the existing service lines and meter pits during removal of the main, any damage to the existing service lines and meter pits shall be replaced by the Contractor at no cost to the project. The Contractor shall coordinate with Denver Water forces to schedule the replacement of service lines. See Cost Allocation section.

The Contractor shall relocate the outside-set meters to outside locations as shown in the plans in accordance with Denver Water's current Engineering Standards. This will be a project cost.

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The Contractor shall replace service lines as shown in the plans that are non-lead from the main to the outside set meter. This will be a project cost.

The Contractor shall coordinate with Denver Water forces where inside-set meters are moved to an outside location. Denver Water forces will relocated inside set meters to outside locations. Relocation of inside set meter will be at the cost of Denver Water.

New taps 2 inch and smaller from the existing mains will be completed by Denver Water forces as shown on the plans. The Contractor shall expose the main for the Denver Water forces to complete the new tap. Exposing the main will be a project cost. The two new taps for irrigation will be a project cost. Changeover fees for betterment taps will be at no cost to the project. Changeover fee for taps resulting from project impacts will be a project cost.

New taps larger than 2 inches will be completed by the Contractor. This will be a project cost.

The Contractor shall construct the new water main from 7th Ave to 8th Ave and 10th Ave to Holden PI where shown in the plans. The Contractor shall install new service line taps on the new water main as shown in the plans. This is a betterment and will be paid for by Denver Water.

The Contractor shall construct new fire hydrants in locations shown on the plans. The Contractor shall construct new 6" fire service water line, or extend existing 6" fire service water lines to new fire hydrant locations as required and make connections to new hydrants as shown in the plans. The Contractor shall remove existing fire hydrants as locations shown in the plans. This will be a project cost.

The Contractor shall clean and adjust valve boxes to within ¼" to ½" below final grade of the paved surface as shown on the plans. This will be a project cost.

The Contractor shall adjust water meters to within ¼" to ½" below final grade of the paved surface as shown on the plans. The Contractor shall adjust the yoke if necessary to ensure that it is no more than 18" below final grade. This will be a project cost.

The Contractor shall remove abandoned water valves and outside meters in locations shown on the plans. This will be a project cost.

The Contractor shall pothole all existing non-lead service lines where they cross the proposed storm sewer improvements to verify if a conflict exists. This will be a project cost.

The Contractor shall coordinate all required inspections and operation of valves on conduits with Denver Water Department forces. The Contractor shall notify the Denver Water in writing 5 days immediately prior to required inspections, valve operations, or other water line related work performed by the Contractor. Inspections will be at no cost to the project.

The Contractor shall coordinate all work outside the ROW or easement with Denver's Engineer.

Denver Water conduit numbers #1, #3, #12 and #18 exist within the limits of the project. Conduit #12 (48" steel) can only be taken out of service seasonally between October 31st and May 1st. Conduits #1, #3, and #8 can be taken out of service between October 31 and May 1st for short

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durations of up to 2 days as agreed to with Denver Water. The Contractor shall plan and phase work on the project taking into consideration the limitation and duration of when conduits can be out of service. The Contractor shall contact Denver Water upon notice to proceed to schedule conduits to be out of service and coordinate water line work. The Contractor shall take care to avoid disturbing these conduits.

The Contractor shall notify the utility owner in writing one week immediately prior to each utility work element expected to be coordinated with construction.

Cost Allocation

The City of Denver and Denver Water have agreed to the cost allocations shown in Table 1a and 1b.:

	Situation	Work Performed by City	Work performed by DW	Funding
l	Main Relocation	- City performs main relocation work City replace lead service line (LSL) from main to inlet side of outside-set meter.	Not applicable.	DW
2	Meter moved + meter outside-set	- City relocates meter If LSL, City replaces LSL from main to inlet side of outside-set meter.	- If LSL, DW replace LSL from outlet side of meter to structure as determined necessary by DW.	DW
3	Meter inside-set	- If LSL, City replaces LSL to inlet side of meter after DW meter relocation complete.	- If meter inside-set, DW relocates meter outside in coordination with City If LSL, DW replace LSL from outlet side of meter to structure as determined necessary by DW.	DW

Notes:

- a. Denver Water (DW) will be responsible for outreach, notice and providing filters. City will provide notice of LSL's encountered so DW can update inventory.
- b. City will explore opportunities for financial assistance
- c. DW can provide City with estimate of number of lead Sts when City plans a project.
- d. LSL: LSL refers to a lead service line but may also include any service line made of non-copper material.

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	Situation	Work Performed by City	Work performed by DW	Funding
1	Outside meter + meter moved	City relocates meter. If LSL, City replaces LSL from main to inlet side of outside-set meter.	If LSL, DW replace LSL from outlet side of meter to structure as determined necessary by DW.	50/50 City/DW
2	Meter inside-set	If LSL, City replaces LSL from main to inlet side of meter after DW meter relocation complete.	- If meter inside-set, DW relocates meter outside in coordination with City If LSL, DW replace LSL from outlet side of meter to structure as determined necessary by DW.	50/50 City/DW
3	LSL damaged + meter not moved	City replaces LSL from main to inlet side of meter.	If LSL, DW replace LSL from outlet side of meter to structure as determined necessary by DW.	50/50 City/DW
	LSL not damaged	City offer to replace LSL from main to inlet side of meter.	DW refers customer to the service line replacement program for meter to home.	Property owner

Notes:

- a. Denver Water (DW) will be responsible for outreach, notice and providing filters. City will provide notice of LSL's encountered so DW can update inventory.
- b. City will explore opportunities for financial assistance
- c. DW can provide City with estimate of number of lead SLs when City plans a project.
- d. LSL: LSL refers to a lead service line but may also include any service line made of non-copper material.

The amount by which Denver Water will reimburse the City will be agreed upon in a separate reimbursement agreement between Denver Water and the City for the specific transportation project. To the extent practicable, for each transportation project the parties will negotiate and fully execute a cost reimbursement agreement in advance of relocating the water main, meter, and replacement of lead service lines. Recognizing that this may not always be feasible, if a reimbursement agreement cannot be negotiated and executed in advance of the transportation project, the parties will execute such an agreement no later than 180 days after the work is completed by the City.

Please agree to this work by signing below. Should you have any comments, please so note below your signature so that they may be considered in the final stage of plan design.

Utility Owner Agreement

Paul R Peloquin

10/16-2017

Paul R Peloquin

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Your response by October 16, 2017, is required to meet the project schedule. Should you have any questions, please contact Randal Lapsley, Federal Blvd Utilities Consultant Contact at 303-771-6200, or me at 70-913-4504.

Ames Geist, PE

Senior Engineer/Project Manager | Public Works | City and County of Denver

201 W Colfax Ave Denver, CO 80202

Federal Blvd 7th to Holden Oraft Denver Water Cost Breakout

Exhibit B

INDEX	CONTRACTITEM	TIMIT	TIMIT					2000							
TEM NC		,		ļ				270-1000 22							MAIN
			PRICE	_	CITY OF DENVER	WER		DENVER WATER	WATER	56	4	PROJECT TOTALS	STALS		
							0	ОТНЕЯ	BE	BETTERMENT					SPLIT 50/5
				DIRECT	50/50 SPLIT	cosT	50/50 SPLIT	cost	PLAN	COST	PLAN	H	cost		DIRECT - IRRIGATION
202	REMOVAL OF WATER SERVICE LINE	ដ	\$ 896.00	0	11	\$ 9,856.00	111	\$ 9,856.00	8	\$ 8,064.00	31	٠,	27,776.00	2.3%	
202	REMOVAL OF WATER METER	ជ	\$ 520.00		cia	\$ 4,680.00	6	\$ 4,680.00	10	\$ 5,200.00	28	5	14,580.00	1.2%	
202	REMOVAL OF FIRE HYDRANT	Ę	\$ 1,370.00	9		\$ 4,110.00					6		4,110.00	0.3%	
202	REMOVAL OF PIPE	17	\$ 32.00	308		8 9,856.00		•		5	308		9,856.00	0.8%	
202	PLUG PIPE	EA	\$ 965.00	2 0		\$ 1,970.00			40	\$ 4,925.00	2	-	6,895.00	0.6%	
202	CLEAN VALVE BOX	EA.	\$ 405.00	34		\$ 13,770.00			l l	•	8	-	13,770.00	1.1%	
202	ABANDON WATER SERVICE	EA	\$ 520.00	0	6.5	3,380.00	6.5	3,380.00			5	-	6,780.00	0.6%	
210	RESET FIRE HYDRANT	43	\$ 4,660.00	0		\$ 13,980.00		100			п		13,980.00	1.2%	
210	ADJUST MANHOLE	ā	\$ 790.00			\$ 7,110.00		5			60		7,110.00	2,90	
210	ADJUST VALVE BOX	E	\$ 530.00	¥		\$ 18,020.00					8		18,020.00	1.5%	
250	CERTIFIED ASBESTOS BUILDING INSPECTOR	H	\$ 110.00	1,330	19	\$ 148,390.00	ch T	\$ 2,090.00	65	\$ 4,400.00	1408		154,880.00	12.8%	
619	WATER METER	ជ	\$ 6,480.00	2.0	12.5	\$ 93,960.00	12.5	\$ 81,000.00	12	\$ 77,760.00	39	-	252,720.00	20.9%	
619	METER PIT (24 INCH)	EA	\$ 1,040.00	2	12	\$ 14,560.00	12	\$ 12,480.00	11	\$ 11,440.00	37		38,480.00	32%	
619	WETER VAULT	EA	\$ 2,080.00		0.5	1,040.00	0.5	\$ 1,040.00	-	\$ 2,060.00	2	<u> </u>	4,160.00	0.3%	
619	3 INCH DUCTLE IRON PIPE	LF	\$ 128.00	31		3,968.00				••			3,968.00	0.3%	
619	8 INCH DUCTILE IRON PIPE	5	\$ 115.00	131		\$ 15,065.00		•			131		15,065.00	1.2%	
618	8 INCH DUCTILE IRON PIPE	5	\$ 268.00	101		\$ 27,068.00			37	\$ 9,916.00	00		36,984.00	3,1%	
619	3/4 INCH COPPER PIPE	Ŧ	\$ 91.00	9	172	\$ 15,652.00	172	\$ 15,652.00	465	\$ 42,315.00	00 800	<u></u>	73,619.00	8.1%	
619	1 INCH COPPER PIPE	LF.	\$ 84.00	199	5'8	\$ 17,430.00	8.5	\$ 714.00	75	\$ 6,300.00	00 291	-	24,444.00	2.0%	
619	1-1/2 INCH COPPER PIPE	7	\$ 77.00		6.5	\$ 500.50	6.5	\$ 500.50	52	\$ 1,925.00	8	<u>_</u>	2,926.00	0.2%	
619	3/4 INCH COPPER PIPE CONNECTIONS	ង	\$ 185.00		11	\$ 2,035.00	11	\$ 2.035.00	10	\$ 1,850.00	32	50	5,920.00	0.5%	
619	1 INCH COPPER PIPE CONNECTIONS	E	\$ 205.00	2	1.5	\$ 717.50	1.5	\$ 307.50		\$ 205.00	9	<u></u>	1,230.00	0.1%	
619	1-1/2 INCH COPPER PIPE CONNECTIONS	ā	\$ 400.00		0.5	\$ 200.00	0.5	\$ 200.00	-	\$ 400.00	2		800.00	0.1%	

Federal Blvd 7th to Holden Draft Denver Water Cost Breakout

	MAIN	SPLIT 50/50	DIRECT - IRRIGATION SERVICES																						
L			ľ	10.5%	6.8%	0.3%	1.1%	2.4%	99.0	0.3%	0.2%	0.5%	0.1%	0.2%	0.2%	0.1%	X: -	3.6%	0.4%	0.3%	9,970	4.8%	2.8%	2.0%	Π
		<u> </u>	COST	126,592.00	81,984.00	3,190.00	12,894.00	28,812.00	7,800.00	3,120.00	2,110.00	0,588.00	1,560.00	2,496.00	2,496.00	1,456.00	13,000.00	43,680.00	5,200.00	3,640.00	7,280.00	57,600.00	34,370.00	24,090.00	1,207,991.00
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		BETTERMENT	COST	124,544.00	65,376.00		7,368.00	9,604.00	7,800.00	3,120.00	1,055.00	1,098.00	1,040.00	1,672.00	2,496.00		10,400.00	15,600.00	5,200.00	3,640.00	7,280.00	17,280.00			461,553.00
	0		PLAN	\$ 679	681 \$	ss.	4 8	4 8	69	1 8	-	- 8	2	49	*	**	**	01	2 \$	1	-	12 \$	*	8	Ī
300 +000	Control of the states		COST						,	•				•			٠	٠		٠		18,720.00			152,655.00
	1	ОТНЕЯ	50/50 SPLIT	•	**	••	••	59	•	**	•	**	••	55		•	8	•	*	5	•	13 \$	8	8	•
		<u> </u>	COST	2,048.00	18,608.00	3,190.00	5,526.00	19,208.00			1,055.00	5,490.00	\$20.00	624.00		1,456.00	2,600.00	28,080.00			E.S. J. M	21,600.00	34,370.00	24,090.00	593,783,00
	CITY OF DEMAES		50/50 SPLIT	*	*	*	*	•	*	•	\$	*	*	\$	8	*	8	\$	8	8	\$	13	2	8	-
			DIRECT	16	173	2	6	80	BOALS	200	1	5	1	-		2	2	18				2	7	3	
TIMI	2000			\$ 128.00	\$ 96.00	\$ 1,595.00	\$ 1,842.00	\$ 2,401.00	\$ 2,600.00	\$ 3,120.00	\$ 1,055.00	\$ 1,098.00	\$ 520.00	\$ 624.00	\$ 624.00	\$ 728.00	\$ 1,300.00	\$ 1,560.00	\$ 2,600.00	\$ 3,640.00	\$ 7,280.00	\$ 1,440.00	\$ 4,910.00	\$ 8,030.00	1
TINII				5	1	4	ā	4	Ā	E	EA	EA	EA	¥3	3	EA	2	E	E	Z	EA	EA	2	ă	
X CONTRACT (TEM				6 INCH PLASTIC PIPE (C900)	8 INCH PLASTIC PIPE (C900)	3 INCH GATE VALVE & VALVE BOX	8 INCH GATE VALVE & VALVE BOX	8 INCH GATE VALVE & VALVE BOX	6 INCH TAPPING VALVE & VALVE BOX	B INCH TAPPING VALVE & VALVE BOX	6 INCH SWIVEL TEE (ALL BRANCH SIZES)	B INCH SWIVEL TEE (ALL BRANCH SIZES)	B INCH TEE (ALL BRANCH SIZES)	8 INCH TEE (ALL BRANCH SIZES)	8 INCH HORIZONTAL BEND (ALL ANGLES)	8 INCH HORIZONTAL BEND (ALL ANGLES)	8 INCH VERTICAL BEND (ALL ANGLES)	8 INCH VERTICAL BEND (ALL ANGLES)	6 INCH TAPPING SLEEVE (ALL BRANCH SIZES)	8 INCH TAPPING SLEEVE (ALL BRANCH SIZES)	30 INCH TAPPING SLEEVE (ALL BRANCH SIZES)	CURB STOP AND BOX	FIRE HYDRANT ASSEMBLY	FIRE HYDRANT ASSEMBLY (EXTRA DEPTH)	WATERLINE CONSTRUCTION SUBTOTAL
INDE	TEM NO.			619	618	618	618	619	619	619	619	618	618	610	619	619	619	619	619	619	619	619	619	619	

Federal Blvd 7th to Holden Draft Denver Water Cost Breakout

INDEX	X CONTRACT ITEM	TINU	UNIT					CC 0881-025					Ī	
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			TAICE.		מייים בייים	NCN		DENVEK WAIER	- 1		PROJE	PROJECT TOTALS	•	
							б	OTHER		BETTERMENT				SERVICES SPLIT SQ/50
				DIRECT	50/50 SPLIT	COST	50/50 SPLIT	cost	PLAN	COST	PLAN	COST		DRECT - IRRIGATION SERVICE
	OTHER ITEMS													
											İ		T	
625	CONSTRUCTION SURVEYING	SJ	1.50%	-		\$ 9,000.00	-	\$ 2,300.00	-	\$ 7,000.00	-	\$ 18,300.00	1.5%	
626	MOBILIZATION	LS	7.50%	-		\$ 44,500.00	-	\$ 11,500.00	-	\$ 34,700.00	-	\$ 90,800.00	7.5%	
628	PUBLIC INFORMATION SERVICES	શ	0.20%	-		\$ 1,200.00	-	\$ 400.00	-	\$ 1,000.00	-	\$ 2,600.00	0.2%	
630	TRAFFIC CONTROL	LS.	7.00%	-		\$ 41,600.00	1	\$ 10,700.00	-	\$ 32,400.00	-	\$ 84,700.00	7.0%	
700	FIA WATER LINES	FIA	7.00%	-1		\$ 41,600.00	-	\$ 10,700.00	-	\$ 32,400.00	-	\$ 84,700.00	7.0%	
	OTHER ITEMS SUBTOTAL					\$ 138,000.00		\$ 35,600.00		\$ 107,500.00	5380	\$ 281,100.00		
	CONSTRUCTION & OTHER SUBTOTAL				300	\$ 731,783.00		\$ 188,255.00		\$ 569,053.00		\$ 1,489,091.00		
	CONTINGENCY	SI	15.00%	1		\$ 109,770.00	Contract Con	\$ 28,240.00	-	\$ 85,360.00		\$ 223,370.00		
	CONSTRUCTION TOTAL					\$ 841,553.00	1000	\$ 216,495.00		\$ 654,413.00		\$ 1,712,461.00		
	DESIGN & ENGINEERING	1.8								\$ 17,000.00	1	\$ 17,000.00	- 4×	
	ENGINEERING & CONSTRUCTION TOTAL				8	\$ 841,553.00		\$ 216,495.00		\$ 671,413.00		\$ 1,729,461,00		
	Inflation (4% per year) (1.5 years assumed to construction)	SJ	9,00.9	-		\$ 50,500.00		\$ 12,990.00	-	\$ 40,290.00		\$ 103,780.00		
	ENGINEERING + CONSTRUCTION + INFLATION					\$ 892,053.00		\$ 229,485,00		8 711,700.00		1,833,241.00		85357.95
	NEW IRRIGATIN TAPS (2 NEW TAPS @ \$852.95 EA)							\$ (1,251.90)						
	INSPECTION FEES (\$3.00 PER LF)						September 1	\$ (6,336.00)		\$ 6,336,00				
	CHANGE OVER TAP PEES	¥	\$ 180 DO	,	Ē	284000	5	2 250 00	:	00 000 0	90			
			Ш	Ш			2		4		3	,'nzn'n		
	DENVER WATER FUNDING AMOUNTS			960010			11.10%	\$ 28,470.94	100.00%	\$ 713,563.00	TOTAL	\$ 740,333.94		
							11.10%	tocal						

88.90%

* BETTERMENT TOTAL INCLUDES THE FOLLOWING: MAIN REPLACEMENT AND ASSOCIATED SERVICES BETWEEN 7TH & 8TH NEW MAIN AND ASSOCIATED SERVICES BETWEEN 10TH AND W HOLDEN PL, NOT INCLUDING M357792

NOTE

Deriver Water will be responsible for outreach, notices, and providing filters to all affected parties that have lead services.
 Deriver Water will be responsible for performing water quality tests when lead service lines are replaced.
 Deriver Water will bear the cost of creating and distributing educational materials, water quality tests, and water filters.

PROPOSED 45 DECREE BEND PROPOSED 11% DECREE BEND PROPOSED 11% DECREE BEND PROPOSED 110% PROPOSED REDCES PROPOSED PLUG OR CAP 201 SHEET NO. ALL FRE HYDRANTS SAUL BE USTALED ACCORDING TO WATER DEPARTMENT STANDARDS. THE KINDERF ALC LICATIONS OF THE HYDRANTS AND FREE FLOW AS SHOWN ON THIS MALTH MAN WISTALLATION IS CORRECT AS SPECIFED BY THE DEVIKER FIRE DEPARTMENT. RECHARED FLOW = 2250 GPU FRE HYDRANT REDURED FLOW = 1500 GPU © 20 PSI RESDUAL PRESSURE PINAL DENVER WATER SUBMITTAL OCT, 2, 2017 GENERAL & MATER SYSTEM NOTES (2 SHEETS) TABLICATION OF WATER LINE STEMS IN SHEETS) SHEET NUMBER AND INDEX OF SHEETS MATER LINE ONLY PLANS (4 SHEETS) MATER LINE PROFILES (7 SHEETS) SIGNATURE OF FIRE CHEST OR DESIGNATED REPRESENTATIVE WATER LINE PLANS (10 SHETS) FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE DATE REVISION COMMENTS SHELL NO 18 - 24 25 - 28 8 - 17 2 - 3 4 - 7 SITUATED IN THE NORTHWEST, SOUTHWEST, NORTHEAST & SOUTHEAST ½ OF SECTION 5, FEDERAL BOULEVARD RECONSTRUCTION CAL CAS VALVE CAL CAS VALVE X X R TRANSPER TO RE REUDED/ABANDONED X X R TRANSPER LOS REVERTS CAL CALL TO REPORT TO THE REUDED PROPOSED SECURITY SECURITY CALL CALL TO REPORT TO THE REUDED PROPOSED SECURITY SECURITY CALL CALL TO REPORT TO THE REUDED PROPOSED SECURITY SECURITY CALL CALL TO REPORT TO THE REUDED PROPOSED SECURITY SECUR - PROJECT LOCATION 5TH AVENUE TO HOWARD PLACE TOWNSHIP 4 SOUTH, RANGE 68 WEST OF THE 6TH P.M. OF DENVER, STATE OF COLORADO. WATER PLANS CITY AND COUNTY VICINITY MAP APPENDED 1 2000 TOWAS & SOUTH WARE IN HEST CIT AND COLORY OF SEARTH EPHYNERS OF PREEZ HOUSES (HOUSEING ENVISION COLOR PROCESSION COLOR PROCESSION COLOR PROCESSION COLOR PROCESSION (TIL. (SAX) A44-2417 FOR (SAX) 444-2417 CITY OF DEMYR C ET MAY WALF ASSUREY W/ ACCESS MANDLE ET MANDEN CONTROL WAYE ET MANDEN CONTROL WAYE ET MANDEN SAGAM C ET MANDE SAGA TSICUMARAS OF SHIPPINESS ROAD REGINED OF REQUIRE REGIONAL TRANSPORTATION SOUTH STORM DRAIN MANHOLE SHEET SHEET STANDARD STANDARD STEEL SLEEV MAXIMUM MECHANICAL MANHOLE MINAHUM MONITORING WELL METRO WATER RECLAMATION DISTRICT NORTH NUMBER NUT TO SCALE OUTSIDE DAMETER OVERHEAD PROPERTY PROPERTY UNE RADUS UND EAR FOOT *FEET* DASTRICT RIGHT - OF - WAY JOINT KICKBLDCK JT KKB LL LL MAX MAX MAH MAH MON WELL MNRO ABBREVIATIONS EX 1. OR LESS MAIER EX 6 MITS EX 6 MITS EX 12 MITS EX 12 MITS EX 15 MITS EX 16 MITS EX 16 MITS EX MITS CARE EX CARE STOP ASBESTOS CEMENT PAPE ALDMINUM AUGAMATEN APPROXIMATE OF APPROXIMATELY AMBRECAN SOCIETY OF CIVIL ENGINEERS OCTAL INDO DOWNER WIFE OF PARTMENT DAWNERS DRAWNER DRA AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS ABANDONED DESCRIPTOR SWEET TO STATE OF S BULLENG BUNG PARK BUNG PARK BUNG PARK BUNG PARK BULD SLEVE TYPE COUNTER BOX CULVERT CAST IRON ASPHALT AMERICAN SOCIETY FOR TESTING AND MATERIALS AVENUE CENTERLINE CLEARANCE OF CLEAR FLANCE FOOT or FEET GAS WETER CAS VALVE INSIDE DAMETER INVERT HOW PIPE 1-800-922-1987 3 = 5 = 3 LEGEND

GENERAL

1. THE CONTRACTOR IS RESPONSIBLE FOR

- NOTIFYING ALL CUSTOMERS POSSIBLY AFFECTED BY DUTAGE OF WATER DURING
- CONSTRUCTOR, SALL OBTAIN, AT MIS EXPENSE, ALL APPLICABLE, DICENSES, PERMIT BRIDGE, DICENSES, PERMIT BRIDGE, SALL OBTAIN, AT MIS EXPENSE, ALL APPLICABLE, DICENSES, PERMIT BRIDGE, FIC., REQUIREED OF THE LAND INSTITUTION ALCHERING FOR PRE-CONSTRUCTION MISPECTION, 303-628-6677, AT LEAST 48 HOURS PROOF TO CONMERCING CONSTRUCTION.

 D. IN CASE OF M. BLEGGESCH, VAFRE WIGHTHING HOURS, CALL DEWITS WAITEN'S

NOTE: BE ADMISED THAT OCCASIONALLY WAYES IN DUR SYSTEM MAY BE INDEPENDED. IN SUCK FOR THE SHUT DUT; If WAL THEN BE NECESSARY TO MAKE THE ADMINIOUS, BY THE METERS OF THE MAKE THE ADMINIOUS TO CAN'S THE MFECTED CUSTOWERS THE MANGAGINES AS HOUSES OF ADMINISH THAT WAYENED SO BE ADMINISH THAT WAYENED SO BE ADMINISHED.

WATER SYSTEM NOTES

ALL MITERALS AND WORMWORPS SAUL BE IN CONFORMING THE DENOTR WAITER ESCALEDAS STRADMS. WHETERS SAUL BE APPROVED AND PARMACS. ALL MAN HATER WISTALLOWS SYSTEM WOODSALDING SAUL BE APPROVED AND WISPECTED BY DENOTR WAITER.

2, ALL WATER WANS INSTALLED SHALL CONFORM TO DENVER WATER WATER WATER SPECIFICATIONS.

WRAP DACTAL BON:
ES 6.03 4" & 20" CLASS STAWTH POLY WRAP
MS-1 6" THROUGH 16" CLASS SOVWITH POLY I POLYWAY, CHLORDE (PVC): ES 6.03 4" CLASS 200 WS-2 6" THROUGH 12" CLASS 15.0 PPC NOTE: ALL PIRE HYDRANT LATERALS AND FIRE LINES SHALL BE DUCTLE IRON

3. MECHANICAL JOINT RESTRANT DEVICES SHULL BE:

FOR PVC PPE: WEGALIG 2000 PVC SIGNA-ONE LOCK STAR FOA DUCTLE IRON PPE: WEALLO, 1100 SERES ROML, RON GRP UNI-FLANCE 1400 SERES STAR GRP 3000 SERES SGUA-OVÉ 100K

4. PIPE JOINT RESTRAINT DEVICES SHALL BE:

FOR PYC PIPE: MEGALUG 1500 PYC SERIES FOR DUCTULE IRON PIPE: MEGALUG 1700 SERIES US PIPE FIELD LOW GASKET

6. All fittings sull be wade from gray—bron or ductile bron and purnshed with bedenevel joint firsts. All fittings snall have a pressure bathng of 250 psi visi—3) and shall be wrapped with an 8—bil manduw thockness polyteptinese wateral visi—143. TRACER WIRE, GAUGE 12, SHALL BE INSTALLED ON ALL NON-METALLIC WATER MAINS

CROSS CONNECTION CONTROL REQUIREMENTS:

and CAS/Section (All Section | Section | CAS/Section | CAS

PROWDE THE LOCATIONS OF EXISTING AND PROPOSED DOMESTIC, IRRICATION, AND FRELINES WITH A DILLINSON IN RELATIONSHIP TO AN EXISTING VALVE OR FIRE HYDRANT ON THE WATER PLAN.

PROMDE EXISTING AND PROPOSED BACKILOW PREVENTION ASSEMBLY (BFPA)
STANDALLATIONS OF DOUBTING, IRROADON, AND PRELIUSE WITH A DURENSON IN
PRELIADIONSHED TO THE METER, BUILDINGS AND/OF SERVICE LIVES, INCLUDE BFPA'S
SYZE AND TYPE (RP OR DC). INCLUDE BFPA INSTALLATION TYPE (E.G., INSTALLED ABOVE
GOUNDIN IN AN ENCLOSINE, IN A MANHOLE PIT/VAULT BELOW GROUND, OR IN A
BOUNDACID ON THE WAITED ALAN.

IRRCATION SERVET LINES REQUIRE AN APPROVED LINNERSSITY OF SOUTHERN CLUIFORNIA (USE). REDUCED PRESSURE THE REPUBLICA ESSERIESTY CONTINUENT TO BE INSTRUMENT PROPERTIEST DOWNSTREAM FROM THE USETS PLE AS AN AMAGING UNSTRUMENT TO BE INSTRUMENT PROPERTIEST DOWNSTREAM FROM THE ASSEMBLY SHAWARTACHING BETS RETS AT ON A SAN AMAGING INSTRUCTORS FOR HEGHT AND DREINANDA PREVARENTES RETS FROM THE ASSEMBLY SHECKELER INSTRUMENT SOR HEGHT AND DREINANDA BENCHERINGS FOR HEGHT AND DREINANDA BENCHERINGS FOR ADMINISTRUMENT SOR ADMINISTRUMENT SORVER WATER'S BUCKTERNIET DRIVER WATER'S 303-628-620 NHECTOR CONTINUENT AT

F RECYCLE OR RAW WAITH CONCH WATER, POND, WELL, ETC.) IS USED FOR IRRECATION ON THE PRELAIS, AN APPROVED UNKTESTY OF SOUTHER CALIFORM, LISCS BACKTLOW PORTEX ASSEMBLY (CONTANNEN) SHALL BE INSTALLED 5-FEET DOWNSTREAM FROM THE WEIGHT ON THE DOWESTIC STRANCE LINE. THE BACKTLOW ASSEMBLY TIPE IS DETERMINED BY THE DEGREE OF PRAZADO DOWNSTROAM FROM THE NEW THE WEIGHT WEIGHT WAND OWNSTROAM FROM THE NEW THE REPORTER REPORTED HAZADO DOWNSTROAM FROM THE NEW THE WEIGHT WAND OWNSTROAM FROM THE NEW THE WEIGHT WAND OWNSTROAM FROM THE REPORT OF THE WEIGHT WANDLED, FOR ADDITIONAL INFORMATION, PLEASE REFERSING CONTROL AT 303-628-590A CONTROL AT 303-628-590A

NO DOMESTIC TAPS (DRINKING FOUNTAINS, PLAY FEATURES, SMINUNG POOLS, BATHROOMS, SINKS, ETC.) ARE ALLONED ON IRRICATION SERVICE LINES.

BÉTWEEN THE IRRICATION TAP AND THE METER BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY DOWNSTREAM FROM THE BACKFLOW PREVENTION ASSEMBLY

8. FOR ALL PRE UNSTALLATIONS THE DEPTH OF COOFE OVER THE PRE WISSURED THROW OFFICE, DEPE STALL ER & WANNING OF THE PRES STALL ER & WANNING OF THE PRES STALL ER & WANNING OF THE PRES. IF DIFFICULTIES WISH CHOSSING WIFERED, SAN WHERE SPECIACLLY APPROVED BY DEWER WANTER, DEMANDER, DEPOSE OF DEWER WANTER, DEMANDER, DEPOSE WILL BE PREMITTED. COMER OVER THE PRE SAULT BE A WANNING OF 10 FEET.

ANY CHANGES IN ALIGNAENT AND GRADE SHALL BE ALTHORIZED BY DENVER WATER AND SHALL BE ACCOMPLISHED BY THE INSTALLATION OF ADDITIONAL FITTINGS. BREAKING OF ADMISS & PERMITTED DAILY WHEN INSTALLING PIPE ON HORIZONTAL OR VERTICAL. CURRES.

FIRE HTDRANTS SHALL CONFORM TO DEWER WAITR US-13 MATERALS
 SPECIFICATIONS. PIRE HTDRANT ASSEMBLIES SHALL INCLIDE ALL PIPE. FITTHOS,
 WALVES, NO MAITRALS. RECESSARY TO INSTALL THE HTDRANT.

SORES

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FOR BO THE FOLLOWING FIRE HYDRAMIS AND VALVE BOXES SHALL BE ACCEPTED CONSTRUCTION BY DENVER WATER.

FIRE HYDRANTS

A. AMERICAL AVK MODEL 2700 WODERN

THE FOLLOWING MAY BE UTILZED IN DISTRIBUTIOR CONTRACT ARENS. A CLOW F - 2345

B. 4.CANETY K - 310

C. CENTHRON, 4.23

VALYE BOXES
A. BINDAMA & TANLOR WOOL, CCOD. SERES, CULS SERES AND GRES SERES
C. SELAL CORPORATION WOOL. THESO SERIES
D. SIVEN PIFE PRODUCT'S WOOL, Y8-DOOG SERES

ALL VALVE BOXES AND FIRE HYDRANTS WILL BE ADAISTED TO THE FINAL FINISHED GRADE BY THE CONTRACTOR.

11, ALL BENDS, FEES, FIRE HYDRANTS, BLOW-OFTS, AND PLUGS AT DEAD—END MAINS SAAL, BE PROTECTED FROM THRUST BY LOSIG CONGRET FINAUST BLOCKS, PER DEAVER WITE FIGHTERING STANDARDS, DEAVEN 2.8.

COLORANIDA AD TUCSAGO, LA WATER MANS SAUL BE NSTALLED AND DELIDANID PER SECTOR BAS AND DESCRIPTION AND TOTAL BASE SECTION BAS AND DESCRIPTION AND THE WAS SAULT BE REPERVED WITHOUT BY ACCOUNTED THE DESCRIPTION AND THE SECTION BASE AS A SAULT SAULT BY HERE THE SECTION BY THE SECTION BY THE SECTION DESCRIPTION OF THE THE WITH PERMATE CLAMP RIVE. DELOCATION OF THE THE WITH PERMATE CLAMP RIVE.

13. FORDOSTANT ESTING. AMENTR WAS SAULT BET TEND PER THE REQUERELANTS OF SECTION A.25 OF DEWARD WITEY'S ENCERTING STANDARDS. ALL PRESSURE TESTED TO A MAKENUM OF 150 PS. ALL TESTED SAULT BE DONE IN THE PRESSURE TO A MAKENUM OF 150 PS. ALL TESTED SAULT BE DONE IN THE PRESSURE OF A DOMER WATER MASSINGER. ALLOWAGE FOR EACH SECTION OF PLF. BETWEEN MOT. SAULT MOT ESTEED THE LEAVAGE FOR LOST SCHOOL OF PLF. BETWEEN MOT. SAULT MOT ESTEED THE LEAVAGE FOR THE STORM BELOW.

14. ALI WAYES ARE TO BE LOCATID ON PROPERTY LINE CITENSONS, EXCEPT FOR TAPPING TEX. WHERE AN ADDITIONAL WAYE SHALL BE PLACED ON THE TAPPING TEX. OTHER WAYE LOCATIONS. WHERE BY SHOWN ON THE PLANCE.

15. IWEN IT IS MECESSARY TO LOWER OR RASE WATER LACES AT STORM DRAWS AND OTHER UTILITY CROSSAGES, I LOWBLING CLEARANCE OF ONE (11) FOOT SHALL BE WARRENED BETWEEN THE OUTSING OF PIPES.

17, COMPACTION OF ALL TRENCHES MUST BE ATTAINED BY THE CONTRACTOR AND THE COMPACTION TEST PESSETS SUBMITTED TO DEMOR WATER CONSTRUCTION INSPECTION DIVISION.

16. THE CONTRACTOR SHALL MAYE IN MIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE APPROVED WATER PLANS.

18. ONLY ONE POUT OF COMPECTION WILL BE ALLOWED UNTIL ALL TESTING OF NEW INSTALLATIONS IS COMPLETED.

19. PROR TO INSTALLATION OF WATER MAINS, ROAD CONSTRUCTION MUST HAVE PROGRESSED TO AT LLEST THE "SUB-CADOUE" STATE, SUB-CADOUE STREES BELOW THE NINSHED STREET GRADE. RELAWATION OF NO WORR THAN SEVEN (7) NICHES BELOW THE THINSHED STREET GRADE.

20. BEFORE ANY TAPS ARE WADE FROM WANS, APPLICATIONS) FOR THE TAPS MUST BE RECEVED AND APPROVED BY THE DISTRIBUTIOR AND DENVER WATER.

21. DENYER WATER IS TO MAKE ALL TAPS 2 INCHES AND SMALLER.

22. INDMIDUAL SERMICE LINE PRVs ARE REQUIRED. (USE THIS NOTE ONLY WHEN AREA PRESSURE EXCEEDS BO PS.)

23. ALI WETER AND ARR LOCATIONS SAAL 8E APPROVED BY DENVER WATER, EXCEPT IN WESTER METER DISTRICTS. CONTACT WETER MESPECTION AT 303-628-6706 BEFORE CONSTRUCTIONS.

A AN ON SIE PRE-CONSTRUCTION METING WITH METER NASPECTION IS REQUIRED FOR ALL METERS 1—1/2 MICH AND LARGER. CALL METERS MSPECTION IO SCHEDULE. AN APPOINTENT.

8. SCHEDULE AN APPOINTENT.

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10. SCHEDULE AND EXPORTE AND ADMITTENDATION.

10. SCHEDULE AND ADMITTENDATION.

DESCRETO BT: SAN DECORDO BT: ROL DE MUNETR: 1107188 1-800-922-1987 CALL UTALITY NOTIFICATION CENTER OF COLDRADO

HOLDERES

SESSECTION ESCHERAS ì

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CUT AND COUNTY OF DEWER COUNTRY OF THE WOOS DIGHTERS DISCUSSION OF THE WOOS DIGHTERS DISCUSSION OF THE WOOS DISCUS

FEDERAL BLVD. RECON. - STH AVE. TO HOWARD PLACE DATE | REVISION COMMENTS NOTES & WATER SYSTEM NOTES GENERAL

202 PINAL DENVER WATER SUBMITTAL OCT. 2, 2017

- TOR INDOOR METER INSTALATIONS: SUBMIT TO METER INSPECTION (FAX: SOL-SEE) SECTION OF THE ROOW METER THE BETER WILL BE WINNIELD SHORMLO ALL DOMESTIC AND FIRE LINE PRINC PROOR TO SONSTELLED SHOWN OF ALL DOMESTIC AND FIRE LINE PRINCE PROCESS. ALL MULTI-FAMAY DWELLINGS THAT HAVE ONE TAP, SERVICE LINE, AND WETER ARE REQUERED TO SUB-METER ACH INDYDDAL UNIT CITY COUNCIL ORDAWICE MUMBER \$7.661. CALL THE CITY AND COUNTY OF DELIVER'S CHAF PLUMBING INSPECTOR AT 720-865-2625 FOR INTORAMDON.

õ 24. A BACKTLOW PREVENTION DEVICE APPROVED BY DENVER WATER IS REQUIRED TREATED WATER SERVICE LINE FOR:

ALL COUNTROLAL AND MULTI-FAMILY DOWESTIC TAPS.

- A. CDMAERCAL DONESTIC TAPS REQUIRE AN APPROYED UNIVERSITY OF SOUTHERN VISCALIFORMAL AND APPROYED UNIVERSITY OF SOUTHERN ASSURED. TO GO BOACH ON REDUCTION ASSURED. TO GO BOACH ON REPORTING ASSURED. TO GO BOACH ON THE WAS AND AND HAND AND HAND THE PAIN A HAND TO HER TO BE ALLOWED TO COUNTRY ONE THAT ESTORED. AND AND THE ø
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TAPS WHERE THERE IS A DUAL WATER SUPPLY ON THE PREMISES, OF THERE IS A DUAL SUPPLY, A DUAL WATER SUPPLY AGREEVENT MUST BE SCHED AND PROVICED TO DENVER WATER).

FIRE LINES.

25. ALL COMBINATION FIRE LINE AND DOMESTIC TAPS MUST BE INSPECTED AND APPROVED BY DENVER WATER PRICH TO THE RELEASE OF THE WATER MAINS.

26. DEWRER WATER PERSONNEL ARE NOT RESPONSIBLE FOR WORK SITE SAFETY OR COMPLUMCENSEMPROCEMENT OF SAFETY RECULATIONS AND STANDARDS ESTABLISHED BY OTHER AGENCIES. ALL SAFETY COMPLUMCENEMPORECENT AT THE WORK SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

27 THE WATER GLALITY CONTROL, DAYSON OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVARONADIN CHEPLES REQUESTS ALL WHETE UNE CONTRACTORS TO POSSESS. A CURRENT DESCHARGE PIRMT FOR DESCHARGES OF CHICKNATED AND PROCESS WATER ASSOCIATION OF THE WAYES OR CONDUITS. CONTACT CIPME WATER QUALITY CONTROL, DAYSON AT 303-692-3539 FOR INFORMATION ON GETMANNO THE REQUIRED PERMIT.

28. IRRIGATION OF MEDIANS AND OTHER PUBLIC LANDSCAPED AREAS LESS THAN 25 EEET IN WIDTH AUST BE COOK IN ACCORDANCE WITH DEVIEW WITH DEPARTING PUBLIS AS 2,3 (CALL DW CONSERVATION SECTION AT 30,3-628-6345 FOR INFORMATION RECARDING RREGARDAR STSTEAS)

- A FOR STRIPS OF LAND LESS THAN 6 FEET IN WIDTH SPRAY IRRICATION SHALL BREED FOR STRIPS OF LAND ELSES THAN 6 FEET AND 15 FEET IN WIDTH ONLY AND LONG THAN 15 FEET AND 15 FEET IN WIDTH ONLY AND LONG THAN 15 FEET AND 15 FEET IN WIDTH ONLY AND LONG THAN 15 FEET AND 17 FEET AND 18 FEET AND 1

29. HRIGATION SERVICE LINES REQUIRE AN APPROVED UNIVERSITY OF SOUTHERN ACADEMINAL USED REPLICED PRESSURE PROVIDEDE, END PRESENTE AN ENVELOW METER POT ASSEMBLY (CONTAMBERT) TO BE UNSTALLED 5-FEET DOWNSTREAM FROM THE METER POT AS AN ABOVE GROUND INSTALLATION BEFORE ANY CONNECTIONS. RETER TO THE RESUBLY SESSURELY SERVICE INSTALLATION INSTRUCTIONS FOR HEIGHT AND DRESURATION RECORDERATION

30. IF RECYCLE OR RAW WATER LOTTCH WATER, POIND, WELL, ETC.) IS USED FOR HERBACHDA ON THE PREMES, AN APPROVED UNKERSTON OF SOURHER UALIDORIAL (USC) BALCATON PROFESTION ASSEMBLY TOCHMANIENT SHALL BE INSTALLED 5—FEET ASSEMBLY THEY BE DETERMENTED BY THE DEGREE OF MAJADD GOWESTEAM FROM THE WEITER POT ON THE DEGREE OF MAJADD GOWESTEAM FROM THE WEITER RE-HIGH HAZARD INSTALLED ABOVE GROUND OR DO-LOW HAZARD INSTALLED ASSEMBLY CROUND OR DO-LOW HAZARD INSTALLED ASSEMBLY CROUND OR DO-LOW HAZARD INSTALLED ASSEMBLY OF ADDROVAL INSTORMANT OF ADDROVAL INSTORMANT OF CROSS-CENTRETION CONTROL AT 303-678-59-60.

DOWON NATOR TAP AND NOTER SERVICES TABLE DATES 1850 OR OLDER ME ANTICPATED TO BE LEAD

31. BECANNYG ANGUST 1, 2008, SOR ANENDARYG WIL BE RECURED ON DYENY PROPERTY RECURRING NEW WALTE SERVICE, METERS WILL NOT BE SET WITHOUT A SON INSPECTION OF DERIVER WALTE ON DESCONDED PERSONAEL.

32. THE COLORADO DEPARTMENT OF PUBLIC HEALTH & EMMEDIALENT (CIDPHE) RECOLATES ASSETTS ALTHRITES, PROGNOW THE ARD DULLION COUNTERL, UNYSON OAPD) THROUGH THE SOLU MASTE AND MATERIAL MANACEMENT DIVISION ISSUAND. WHICH SOL CENTAMANION IS INVOLVED. DEMYER WILE WILL RECURSE CONTRACTORS AND DEPECTORES BELOW WHEN CEMENT ASSESTIOS PIPE IS DICOUNTERED:

- A THE PRE MUST BE REMOND FROM THE EXCANANDA FOR PROPER DESPOSAL.

 B. CONTRICTOROUSER WILL MANGE THE PRE IN ACCORDANCE WITH THE FOLLOWISE RECOLATIONS:
 COLORADO AND RECOLATIONS:
 OSHA 20 FFR 1910:1001 GENERAL INDUSTRY STANDANDS ASBESTIOS SYA 72 FFR 1912:1011 CONSTRUCTION STANDANDS ASBESTIOS CS. IF A LURGE AMOUNT OF CENTRAL NOBISTICS PREF ARE AMOUNT OF CENTRAL ASBESTIOS PRE ARE AMOUNT OF CENTRAL ASBESTIOS PRE ARE AMOUNTS TO BE RANDED THE MITERAL MUST BE MANAGED BY AN APPROPRIATE ASBESTIOS PRINCIPAL CONTRACTOR (160 SQUARE FT OR 260 LINEAR WILL REQUIRE A PERMITMENT CONTRACTOR (160 SQUARE FT OR 260 LINEAR WILL REQUIRE A PERMITMENT CONTRACTOR (160 SQUARE FT OR 260 LINEAR WILL REQUIRE A PERMITMENT CONTRACTOR (160 SQUARE FT OR 260 LINEAR WILL REQUIRE A PERMITMENT.

CENENT ASBESTOS PIPE IS CONSIDERD A NON-TRABLE ASBESTOS WATERU, WHICH IS DEFINED AS CONTANNO WORLD THAN 1% ASBESTOS BY WEIGHT AND CANNOT BE CRUMBLED, PULYFRIZED OR REDUCED TO POWDER BY IAND PRESSURE. THERETORE, A RELEASE OF SEBERS IS NOT LIKELY DURNG NORMAL USE AND HANDUNG OF THIS WATERUAL.

DESCLAMER: DENAER WATER STANDARD OPERAING PROCEDURES REPRESENT
RECOMMENDED PROACTESS THAN SOODLID BE APPLOCABLE TO MOST STANDARDS
EMPORES WILL ENCOURIER: HIESE PROCEDURES SHOULD BE FOLLOWED TO THE
ESTERN APPLOCABLE. BIT THEN BY NO MARKIN SEPRESENT THE UNIV. WETHON TO
PERFORM THE TASKS THEY DESCRIBE. IT IS UNIDERSTOOD THAN FRED CHARGORIES, AND OTHER CARCUMSTANCES MAY REQUIRE DEVAILOR FROM STANDARD
OPERATION.

33. WHEN WATER SERVICE LINES ARE WITHIN 5 FEET OF A MANHOLE OR VAINT, WRAP SERVICE LINE WITH DENVER WATER APPROVED INSULATION.

34. ANY DISTING SERVICE LIMES THAT ARE LEAD OR CALVANIZED STEEL SHALL BE REPUCED BY THE CONTRACTOR WITH AN ECULA, SIZE CAPER LIME FROM THE NEW TOR OB INSTITUTED BY CHARLED BY DERVOER WAITEN TO THE DEPERE MALE TRACTOR SHALL BETWACE LIME STRANCE LIME FROM THE MAY WEIGHT BY THE HE DESTANCE LIME STRANCE LIME STRANCE LIMES WAS PREVAINGE BULE 9.643. THE REDUNAL TRACTOR SHALL POLICIES STRANCE LIMES WANTED PREVAINGE RULE 9.643. THE REDUNAL FROM THE EXISTING STRANCE LIMES WANTED PROJECTED STRANCE STRANCE LIMES RECOVER. THE DESTANCE WAS AND WEIGHT STRANG STRANCE LIMES AND WEIGHT STRANGE AND WEIGHT STRANGE LIMES AND WEIGHT STRANGE STRANGE LIMES AND WEIGHT STRANGE LIMES AND WEIGHT STRANGE LIMES A

35. DEMTER WATER WAL BE RESPONSIBLE FOR CULTREACH, NOTICES, AND PROMOING PALERS TO ALL AFFECTED PARTIES THAT HAVE LEAD SERVICES.

36. DENNER WATER WIL BE RESPONSIBLE FOR PERFORMING WATER QUALITY TESTS WHEN LEAD SERVICE LINES ARE REPLACED.

37. DENNER WATER WILL BEAR THE COST OF CREATING AND DISTRIBUTING EDUCATIONAL MATERIALS, WATER QUAJITY TESTS, AND WATER FILTERS.

			Sec.	3	ALK Abez nor.	· Principle	O DE LEAVE		
a	BILLING ADDRESS	1 472	TAP DAT	3	DESCRIPTION OF THE PERSON	/ noon	WETER DATE	COMMENTS	ľ
	FUUN	X15458	4/27/11/56		1	34735	8/25/7004	k	
	695 FEDICAL BLVD	37.70	10/15/1973			1000	20000	7a0-18.5	
	AND PRINCIPLE BOOK	2 40204	1/19/1984	I		X 02.94	Q14 Z002/11/01	200-00	
	707 FEDERAL BLVD	056773	1000	I				TAP-FIEL FACH-MITSER	(See)
	710 7EDERAL BOVO	x7 4599	8		F	547025	1/5/2003	TAP-COM	
	717 FEBRUAR BLVD	57741	10/11/1980	I				TAP-RES	
	774 FEDERAL BLVD	51207	7/10/1922	-	-	400944	8/11/2003 TAP-CON	14P-COM	İ
	725 FEDERAL BLVD	57740	1/1/1924	=				TAP-RES	
	AND SERVICE BEAUTY	7467	201/07/	ŀ		2	2000/12/	k	-dymon verye
	2970 = SEWERN PR	20005	1825	-		1	77. 16006	5	
	748 YESTERA, BLVD	\$ 188	5/10/1923	F		59-66	10/3/192	TAP-RES	
	755 FEDERAL BLVD	49477	3/1/1805	=	34	356898	10/14/2002	\$ PH-95	
	AND THE PERSON NAMED IN	30000	1/12/1854	I		0		200	MATERIOR WETER
	TAN THE RIGHT	9846.1	1301/6//8		Ţ		100/10/	THE COST OF BUTTOON WORKS	200
	792 7 EDESAN BLVD	1 1	4/10//01/9	I		2007	166/1000	Tab. 00%	
	BIS PEDERAL BLVD	20.00	5/31/1934	-	M	347216=	9/24/2003	TAP-CON. DI BITTROS METER	DR METER
	BIG FEDERAL BLVD	196022	6941/9/9		×	264265	8/23/3003	4	
	123 FEDERAL BLVD	99157		Ħ	м	266586	1872	146-COM	
	BAD FEDERAL BLVD	192556	10/1/1968		ĸ	314439	11/21/2001		
	1000				*			30-20	
	ES SECURE OF SECOND	80000	1/1/182B	M			1002/1003	-COM	Į
^	105304	4.3 bad		ŀ		2000	C641/7/7	MO-57 C681	
	BBG PEDS EAL BLVD	X7 6868	10/9/1881	•		2000		TAP-COM	ļ
	FEERWAL	19019	1/1/1812	н				TAP-AES	
	LEI FEDERA BLVD	\$7625	1/10/1923	Г	let.	265154	8/33/1998	140-CM	
	# 892 FEDERAL BLVD	70114	1/1/1934	Ш	be	322391	1002/11/01	HAP-COM	
	# 895 FEDERAL BLVD	\$3106	17.07	ш	ju j	765668	8/37/1992	TAP-COM	
		174462	9/16/1980		×	398075	8/12/2003		
	900 FEDERAL BLVD	141768			Ī			10-KS	
	SOUTH DEADLE BLYD	07434		×	-	354102*	2/30/2003	TAP-COM, EX INTERIOR METER	E PE
	AND PERSONS BLVD	16757	1	24	1	172750	10/14/1962	740-665	
	AND LEAGUE OF US	D.70.60	1/1/19/0	4	Ţ		16 71 4 20000	AP-10.5	
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	BAY ATOLIAL BLVD	50799	10/17/		-			TAP-4855	
		104401	1/13/1969		H	2751.97	6/14/1895		
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	000 TESTER OF ON	10,7987	7041/7/	ŀ	T	2000	0/23/1990	W-CO#	l
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	S LOOS FEDERAL BLVD	296109	12/21/1964		ĸ	357792	10/14/2003	1002 FAP COM	
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D.	1036 FEDERAL BLVD	40484	8/8/1025	1	ŀ	01444		CONTRACTOR	
·	1041 FEERAL BIND	1339	1/1/1906	м	H	184	Ę	742-COM	l
	TOUR PEDERAL BLVD	14663	1/1/1695	×				744-465	
	ON B TOTAL BLOCK	37.306	1/1/1909	м	×	3456.15	1/27/2002	TAP-4(5	
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	TOTAL PARTY FILE	200	1/1/1844	4 >4		147707	10/14/2003	1.0 .000	
	1055 FEEEEN, BIND	X34320	12/7/2004		i in	MARKE	13/2006	14P=DDM	l
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	1120 FEDERAL BLVD	x10093						d	
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	CO 1000	1000	7.7	,				TAY - DEC (NON-METERDI)	(mu)
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	1200 FEDOM, BLVG	x30339	12/10/1998					TAP-FIRE (NON-METERED)	(00)
	1205 PEDERAL BLVD	186059	9/7/1967		-	313874	13/13/2000	TAP-COM	
	SA THE CO.	23,660	3/20/1875	ŀ		265088	1771994	TAP-COM	
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DATE REVISION COMBENTS - 5TH AVE. TO HOWARD PLACE & WATER SYSTEM NOTES FEDERAL BLVD. RECON. NOTES GENERAL

FINAL DENVER WATER SUBINITIAL OCT. 2, 2017

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FEDERAL BLVD. RECON. – 5TH AVE. TO HOWARD PLACE DATE.

DATE. REDISSON COMMENTS. TABULATION OF WATER LINE ITEMS

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DENVER WATER SUBMITTAL OCT. 2, 2017

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