

**TOWN OF LYONS, COLORADO
RESOLUTION 2020-78**

**A RESOLUTION OF THE TOWN OF LYONS, COLORADO APPROVING A FIFTH
AMENDMENT TO THE CONSTRUCTION AGREEMENT WITH CGRS, INC. FOR THE
EASTERN CORRIDOR UTILITIES PROJECT**

WHEREAS, the Town of Lyons ("Town") has the authority to enter into contracts for any lawful municipal purpose pursuant to C.R.S. § 31-15-101; and

WHEREAS, the Town has obtained funding for the Eastern Corridor Utilities Project #05-01-05734 (the "Project"), from both the U.S. Department of Commerce Economic Development Administration ("EDA") and the Department of Housing and Urban Development ("HUD") Community Development Block Grant Disaster Recovery ("CDBG-DR") under Boulder County Collaborative Sub-allocation INF-00021; and

WHEREAS, pursuant to Resolution 2019-36, the Town and CGRS, Inc. ("Contractor") entered into that certain Construction Agreement, Project Number 05-01-05734, dated May 8, 2019 ("Original Agreement") for Contractor to perform the Work as specified in the Contract Documents, for a not-to-exceed cost of **ONE MILLION NINE HUNDRED EIGHTY-NINE THOUSAND NINE HUNDRED NINETY-FIVE DOLLARS AND NO CENTS (\$1,989,995.00)** (the "Project"); and

WHEREAS, Section 5.00 of the Original Agreement permits the Town to adjust the Contract Price and Section 7.00 of the Original Agreement requires that the Town pay for work beyond that described in the Original Agreement in a separate agreement signed by both the Parties prior to the commencement of the additional work; and

WHEREAS, pursuant to the amendment provisions of the Agreement, the Parties entered into that certain **First Amendment** to Construction Agreement dated September 18, 2019 authorizing the Contractor to perform additional services to inspect and examine the viability of abandoned water lines from the City of Longmont for use on this project in the additional amount of **THIRTY-SEVEN THOUSAND DOLLARS AND NO CENTS (\$37,000.00)**; and

WHEREAS, the Parties entered into that certain **Second Amendment** to Construction Agreement dated October 24, 2019 in order to add critical monitoring capability and protections to the system in order to protect the downstream distribution piping in the additional amount of **FIFTEEN THOUSAND EIGHT HUNDRED THIRTY-EIGHT DOLLARS AND EIGHTY-ONE CENTS (\$15,838.81)**; and

WHEREAS, the Parties entered into that certain **Third Amendment** to the Agreement dated December 2, 2019 to allow for the additional scope of work as defined in Change Orders 4, 5 and 6, including the rerouting of the original design in order to utilize abandoned lines from the City of Longmont and other related changes, resulting in an overall reduction to the contract amount by **(-)TWO HUNDRED FIFTY-EIGHT THOUSAND FIVE HUNDRED FIFTY-SEVEN DOLLARS AND TWELVE CENTS (-\$258,557.12)**; and

WHEREAS, the Parties entered into that certain **Fourth Amendment** to extend the term of the Original Agreement to May 15, 2020 for work funded by the EDA and

June 30, 2020 for all other work; and

WHEREAS, the Town has requested proposals from the Contractor for additional services which include work to upgrade the existing pump in order to increase the capacity of the Stone Canyon Lift Station to handle additional flow from the Eastern Corridor Lift Station as required by CDPHE, the Stone Canyon Lift Station Manhole Replacement, and the addition of miscellaneous construction items; and

WHEREAS, the Contractor responded with Change Order 7 (PR7) for the additional scope of work to upgrade the Stone Canyon Lift Station in the amount of Seven Thousand Thirty-Six Dollars and No Cents (\$7,036.00); and

WHEREAS, the Contractor responded with Change Order 8 (PR8) for the additional scope of work to for the Stone Canyon Lift Station Manhole Replacement, which falls outside of the EDA scope and will be covered solely by CDBG-DR funds, in the amount of Twenty-Five Thousand Three Hundred Dollars and No Cents (\$25,300.00); and

WHEREAS, the Contractor responded with Change Order 9 (PR9) for the additional scope of work to add miscellaneous construction items in the amount of Seven Thousand Six Hundred Fifteen Dollars and No Cents (\$7,615.00) for a total combined additional cost of in the amount of **THIRTY-NINE THOUSAND NINE HUNDRED FIFTY-ONE DOLLARS AND NO CENTS (\$39,951.00)** outlined in all three Change Orders in **EXHIBIT A**; and

WHEREAS, the Parties desire to add this change in scope of work as outlined in **EXHIBIT A** and increase the total not-to-exceed contract amount to **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)** ("**Fifth Amendment**"); and,

WHEREAS, the Town of Lyons Board of Trustees desires to approve the Fifth Amendment to the Agreement with the Contractor and authorizes the Mayor to execute such Fifth Amendment on behalf of the Town.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF LYONS, COLORADO:

Section 1. The above recitals are hereby incorporated by reference.

Section 2. The Board of Trustees hereby:

- (a) Approves Amendment 5 to the Construction Agreement for the Project in substantially the form attached as **Exhibit B** for a new not-to-exceed cost of **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)** in substantially the form attached hereto.
- (b) Authorizes the Town Administrator and the Town Attorney, in consultation with the Mayor,

to make such changes as may be necessary to correct any non-material errors or language in the Construction Agreement that does not increase the obligations of the Town.

- (c) Authorizes the Mayor or Mayor Pro Tem to execute the complete Construction Agreement on behalf of the Town after Contractor has signed the Construction Agreement and the Town Clerk to attest such signature.

Section 3. This resolution shall take effect immediately upon adoption.

ADOPTED this 4th day of MAY, 2020.

TOWN OF LYONS



Nicholas Angelo, Mayor

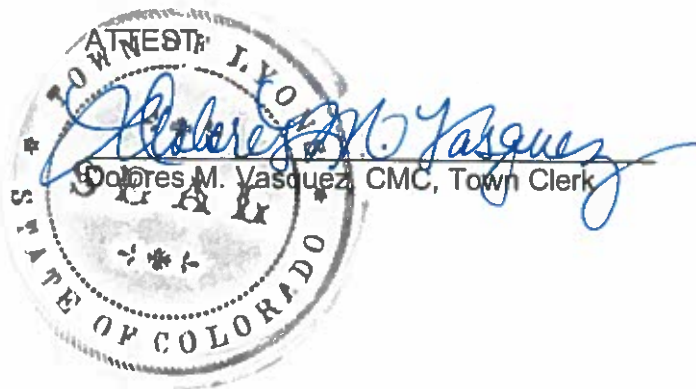


EXHIBIT A: CGRS, Inc. - CHANGE ORDERS 7, 8, & 9

EXHIBIT B: CGRS, Inc. Amendment 5

**TOWN OF LYONS, COLORADO
RESOLUTION 2020-78**

**A RESOLUTION OF THE TOWN OF LYONS, COLORADO APPROVING A FIFTH
AMENDMENT TO THE CONSTRUCTION AGREEMENT WITH CGRS, INC. FOR THE
EASTERN CORRIDOR UTILITIES PROJECT**

WHEREAS, the Town of Lyons ("Town") has the authority to enter into contracts for any lawful municipal purpose pursuant to C.R.S. § 31-15-101; and

WHEREAS, the Town has obtained funding for the Eastern Corridor Utilities Project #05-01-05734 (the "Project"), from both the U.S. Department of Commerce Economic Development Administration ("EDA") and the Department of Housing and Urban Development ("HUD") Community Development Block Grant Disaster Recovery ("CDBG-DR") under Boulder County Collaborative Sub-allocation INF-00021; and

WHEREAS, pursuant to Resolution 2019-36, the Town and CGRS, Inc. ("Contractor") entered into that certain **Second Amendment** to Construction Agreement dated October 24, 2019 ("Original Agreement"), for a not-to-exceed amount of **FIFTEEN THOUSAND NINE HUNDRED EIGHTY-NINE DOLLARS AND EIGHTY-ONE CENTS (\$1,989,995.00)** (the "Project"); and

WHEREAS, the Parties entered into that certain **Third Amendment** to the Agreement dated December 2, 2019 to allow for the additional scope of work as defined in Change Orders 4, 5 and 6, including the rerouting of the original design in order to utilize abandoned lines from the City of Longmont and other related changes, resulting in an overall reduction to the contract amount by **(-)TWO HUNDRED FIFTY-EIGHT THOUSAND FIVE HUNDRED FIFTY-SEVEN DOLLARS AND TWELVE CENTS (-\$258,557.12)**; and

WHEREAS, the Parties entered into that certain **Fourth Amendment** to extend the term of the Original Agreement to May 15, 2020 for work funded by the EDA and

WHEREAS, the Parties entered into that certain **Second Amendment** to Construction Agreement dated October 24, 2019 in order to add critical monitoring capability and protections to the system in order to protect the downstream distribution piping in the additional amount of **FIFTEEN THOUSAND EIGHT HUNDRED THIRTY-EIGHT DOLLARS AND EIGHTY-ONE CENTS (\$15,838.81)**; and

WHEREAS, the Parties entered into that certain **Third Amendment** to the Agreement dated December 2, 2019 to allow for the additional scope of work as defined in Change Orders 4, 5 and 6, including the rerouting of the original design in order to utilize abandoned lines from the City of Longmont and other related changes, resulting in an overall reduction to the contract amount by **(-)TWO HUNDRED FIFTY-EIGHT THOUSAND FIVE HUNDRED FIFTY-SEVEN DOLLARS AND TWELVE CENTS (-\$258,557.12)**; and

WHEREAS, the Parties entered into that certain **Fourth Amendment** to extend the term of the Original Agreement to May 15, 2020 for work funded by the EDA and

June 30, 2020 for all other work; and

WHEREAS, the Town has requested proposals from the Contractor for additional services which include work to upgrade the existing pump in order to increase the capacity of the Stone Canyon Lift Station to handle additional flow from the Eastern Corridor Lift Station as required by CDPHE, the Stone Canyon Lift Station Manhole Replacement, and the addition of miscellaneous construction items; and

WHEREAS, the Contractor responded with Change Order 7 (PR7) for the additional scope of work to upgrade the Stone Canyon Lift Station in the amount of Seven Thousand Thirty-Six Dollars and No Cents (\$7,036.00); and

WHEREAS, the Contractor responded with Change Order 8 (PR8) for the additional scope of work to for the Stone Canyon Lift Station Manhole Replacement, which falls outside of the EDA scope and will be covered solely by CDBG-DR funds, in the amount of Twenty-Five Thousand Three Hundred Dollars and No Cents (\$25,300.00); and

WHEREAS, the Contractor responded with Change Order 9 (PR9) for the additional scope of work to add miscellaneous construction items in the amount of Seven Thousand Six Hundred Fifteen Dollars and No Cents (\$7,615.00) for a total combined additional cost of in the amount of **THIRTY-NINE THOUSAND NINE HUNDRED FIFTY-ONE DOLLARS AND NO CENTS (\$39,951.00)** outlined in all three Change Orders in **EXHIBIT A**; and

WHEREAS, the Parties desire to add this change in scope of work as outlined in **EXHIBIT A** and increase the total not-to-exceed contract amount to **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)** ("**Fifth Amendment**"); and,

WHEREAS, the Town of Lyons Board of Trustees desires to approve the Fifth Amendment to the Agreement with the Contractor and authorizes the Mayor to execute such Fifth Amendment on behalf of the Town.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF LYONS, COLORADO:

Section 1. The above recitals are hereby incorporated by reference.

Section 2. The Board of Trustees hereby:

- (a) Approves Amendment 5 to the Construction Agreement for the Project in substantially the form attached as **Exhibit B** for a new not-to-exceed cost of **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)** in substantially the form attached hereto.
- (b) Authorizes the Town Administrator and the Town Attorney, in consultation with the Mayor,

to make such changes as may be necessary to correct any non-material errors or language in the Construction Agreement that does not increase the obligations of the Town.

- (c) Authorizes the Mayor or Mayor Pro Tem to execute the complete Construction Agreement on behalf of the Town after Contractor has signed the Construction Agreement and the Town Clerk to attest such signature.

Section 3. This resolution shall take effect immediately upon adoption.

ADOPTED this 4th day of MAY, 2020.

TOWN OF LYONS



Nicholas Angelo, Mayor



EXHIBIT A: CGRS, Inc. - CHANGE ORDERS 7, 8, & 9

EXHIBIT B: CGRS, Inc. Amendment 5

Town of Lyons, Colorado

**FIFTH AMENDMENT TO
CONSTRUCTION AGREEMENT WITH CGRS, INC.**

**Project Name: Eastern Corridor Utilities Project
Project Number: 05-01-05734**

This FIFTH AMENDMENT TO CONSTRUCTION AGREEMENT ("Fifth Amendment") is made and entered into on the date upon which it is mutually executed by the Parties (the "Effective Date"), by and between the TOWN OF LYONS, COLORADO, a municipal corporation of the State of Colorado, with offices at 432 5th Avenue, Lyons, Colorado 80540 (the "Town"), and CGRS, Inc. with offices at 1301 Academy Court, Fort Collins, CO 80524 (the "Contractor"). The Town and the Contractor may be referred to collectively as the "Parties" and each individually as "Party".

WITNESSETH

WHEREAS, pursuant to Resolution 2019-36, the Town and the Contractor entered into that certain Construction Agreement, Project Number 05-01-05734, dated May 8, 2019 ("Original Agreement") for Contractor to perform the Work as specified in the Contract Documents, for a not-to-exceed cost of **ONE MILLION NINE HUNDRED EIGHTY-NINE THOUSAND NINE HUNDRED NINETY-FIVE DOLLARS AND NO CENTS (\$1,989,995.00)** (the "Project"); and

WHEREAS, the Town has obtained funding for the Project from both the U.S. Department of Commerce Economic Development Administration (EDA) and the Department of Housing and Urban Development Community Development Block Grant Disaster Recovery (CDBG-DR) under Boulder County Collaborative sub-allocation INF-00021; and

WHEREAS, Section 5.00 of the Original Agreement permits the Town to adjust the Contract Price and Section 7.00 of the Original Agreement requires that the Town pay for work beyond that described in the Original Agreement in a separate agreement signed by both the Parties prior to the commencement of the additional work; and

WHEREAS, pursuant to the amendment provisions of the Agreement, the Parties entered into that certain **First Amendment** to Construction Agreement dated September 18, 2019 authorizing the Contractor to perform additional services to inspect and examine the viability of abandoned water lines from the City of Longmont for use on this project in the additional amount of **THIRTY-SEVEN THOUSAND DOLLARS AND NO CENTS (\$37,000.00)**; and

WHEREAS, the Parties entered into that certain **Second Amendment** to Construction Agreement dated October 24, 2019 in order to add critical monitoring capability and protections to the system in order to protect the downstream distribution piping in the additional amount of **FIFTEEN THOUSAND EIGHT HUNDRED THIRTY-EIGHT DOLLARS AND EIGHTY-ONE CENTS (\$15,838.81)**; and

WHEREAS, the Parties entered into that certain **Third Amendment** dated December 2, 2019 to allow for the additional scope of work as defined in Change Orders 4, 5 and 6, including the rerouting of the original design in order to utilize abandoned

lines from the City of Longmont and other related changes, resulting in an overall reduction to the contract amount by **(-)TWO HUNDRED FIFTY-EIGHT THOUSAND FIVE HUNDRED FIFTY-SEVEN DOLLARS AND TWELVE CENTS (-\$258,557.12)**; and

WHEREAS, the Parties entered into that certain **Fourth Amendment** to extend the term of the Original Agreement to May 15, 2020 for work funded by the EDA and June 30, 2020 for all other work; and

WHEREAS, the Town has requested proposals from the Contractor for additional services which include work to upgrade the existing pump in order to increase the capacity of the Stone Canyon Lift Station to handle additional flow from the Eastern Corridor Lift Station as required by CDPHE, the Stone Canyon Lift Station Manhole Replacement, and the addition of miscellaneous construction items; and

WHEREAS, the Contractor responded with Change Order 7 (PR7) for the additional scope of work to upgrade the Stone Canyon Lift Station in the amount of Seven Thousand Thirty-Six Dollars and No Cents (\$7,036.00); and

WHEREAS, the Contractor responded with Change Order 8 (PR8) for the additional scope of work to for the Stone Canyon Lift Station Manhole Replacement, which falls outside of the EDA scope and will be covered solely by CDBG-DR funds, in the amount of Twenty-Five Thousand Three Hundred Dollars and No Cents (\$25,300.00); and

WHEREAS, the Contractor responded with Change Order 9 (PR9) for the additional scope of work to add miscellaneous construction items in the amount of Seven Thousand Six Hundred Fifteen Dollars and No Cents (\$7,615.00) for a total combined additional cost of in the amount of **THIRTY-NINE THOUSAND NINE HUNDRED FIFTY-ONE DOLLARS AND NO CENTS (\$39,951.00)** as outlined in the Bid Item Schedule in **EXHIBIT 1**; and

WHEREAS, the Parties desire to add this change in scope of work as outlined in **EXHIBIT 1** and increase the total not-to-exceed contract amount to **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)** ("**Fifth Amendment**"); and,

NOW, THEREFORE, for the consideration herein expressed, it is agreed by and between the Town and the Contractor that the Original Agreement shall be amended as follows:

1. **Recitals.** The foregoing recitals are true and correct and are incorporated herein by this reference as though set forth in full.
2. **Original Terms and Conditions.** Except as amended herein, the original terms and conditions of the Agreement remain in full force and effect.
3. **Scope of Work.** The Original Agreement is hereby amended by adding the work items documented to be justified and necessary by Town Staff and design consultant JVA, Inc., attached hereto as **EXHIBIT 1** to this Fifth Amendment and incorporated herein by reference.

4. **Contract Sum and Payment.** The first sentence of Section 5.00 of the Original Agreement entitled "Contract Sum and Payment" is hereby amended to read in full as follows:

The Owner shall pay to the Contractor for performance of the Work encompassed by this Agreement, and the Contractor will accept as full compensation therefore the not-to-exceed sum of: **ONE MILLION EIGHT HUNDRED TWENTY-FOUR THOUSAND TWO HUNDRED TWENTY-SEVEN DOLLARS AND SIXTY-NINE CENTS (\$1,824,227.69)**; subject to adjustment as provided by the Contract Documents ("Contract Price").

5. **Force and Effect of Amendment.** Notwithstanding anything in the Original Agreement to the contrary, the Original Agreement shall be amended such that all references in the Original Agreement to "Agreement" shall refer to the Original Agreement as amended by this Fifth Amendment.
6. **Conflict.** This Fifth Amendment is and shall be construed as part of the Original Agreement. In case of any inconsistency between this Fifth Amendment and the Original Agreement, the provisions containing such inconsistency shall be reconciled with one another to the maximum extent possible, and then to the extent of any remaining inconsistency, the terms of this Fifth Amendment shall control.
7. **Counterparts. Facsimile or Electronic Signature; Authority.** The Parties hereto agree that this Fifth Amendment may be executed in multiple counterparts which, when signed by all parties, shall constitute a binding agreement. The Parties further agree that this Fifth Amendment may be executed by facsimile or electronic signature, and that any facsimile or electronic signature shall be binding upon the Party providing such signature as if it were the Party's original signature.

IN WITNESS WHEREOF, the Parties have executed this Fifth Amendment to the Construction Agreement, Project/Service: Eastern Corridor Utilities Project, to be effective as of the date of mutual execution by the Parties. By the signature of its representatives below, each Party affirms that it has taken all necessary action to authorize said representative to execute this Fifth Amendment.

THIS FIFTH AMENDMENT TO CONSTRUCTION AGREEMENT is executed and made effective as provided above.

TOWN OF LYONS, COLORADO:

ATTEST:

Approval by:

Dolores M. Vasquez, Town Clerk

By: _____
Nicholas Angelo, Mayor

CGRS, Inc.:

By: _____

Printed name: _____

Its: _____

Date of execution: _____, 2020

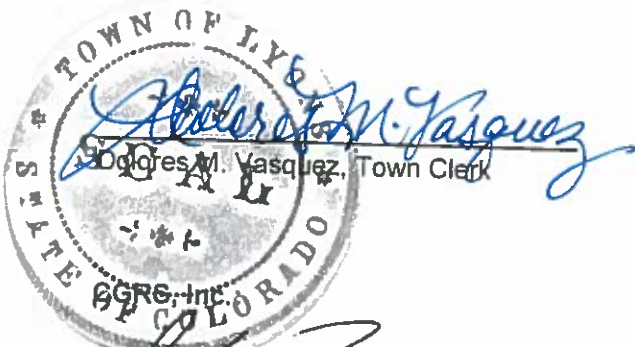
THIS FIFTH AMENDMENT TO CONSTRUCTION AGREEMENT is executed and made effective as provided above.

TOWN OF LYONS, COLORADO:

Approval by:

By: Nicholas Angelo
Nicholas Angelo, Mayor

ATTEST:



By: [Signature]
Printed name: John Turner

Its: PM

Date of execution: 5/6, 2020

THIS FIFTH AMENDMENT TO CONSTRUCTION AGREEMENT is executed and made effective as provided above.

TOWN OF LYONS, COLORADO:

Approval by:

By: Nicholas Angelo
Nicholas Angelo, Mayor



By: [Signature]
Printed name: John Turner
Its: PM
Date of execution: 5/6, 2020

see notarized signature
on next page. 5/13/2020

THIS FIFTH AMENDMENT TO CONSTRUCTION AGREEMENT is executed and made effective as provided above.

TOWN OF LYONS, COLORADO:

ATTEST:

Approval by:

By: _____
Nicholas Angelo, Mayor

Dolores M. Vasquez, Town Clerk

CGRS, Inc.:

By: _____

Printed name: Eric Henning

Its: Vice President

Date of execution: May 12, 2020

STATE OF Colorado)
COUNTY OF Larimer) ss.

The foregoing Fifth Amendment to Professional Services Agreement was acknowledged before me this 12th day of May, 2020, by Eric Henning as Vice President of CGRS, INC., a Colorado corporation.

Witness my hand and official seal.

My commission expires: 01/03/2022.

Notary Public

(Required for all contracts (C.R.S. § 8-40-202(2)(b)(IV)))

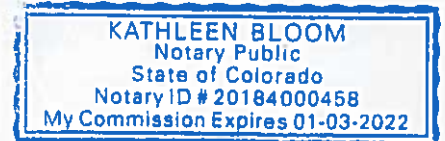


EXHIBIT 1 - Bid Item Schedule

EXHIBIT 1

Bid Tabulation

Town of Lyons
Eastern Corridor Utilities Project

ORIGINAL CONTRACT

Item #	Description	Units	Qty	Unit Price	Total
DIVISION 00 and 01 - General Conditions and Requirements					
001	Contract General Conditions and Mobilization	LS	1	\$45,000.00	\$45,000.00
002	Dewatering	LS	1	\$55,000.00	\$55,000.00
003	Initial Construction Surveying	LS	1	\$8,000.00	\$8,000.00
004	Supplemental Construction Surveying	HR	20	\$210.00	\$4,200.00
005	Construction Materials Testing	HR	40	\$175.00	\$7,000.00
Traffic Control					
006	Flaggers	HR	100	\$41.00	\$4,100.00
007	Construction Signs (Size D)	EA	12	\$140.00	\$1,680.00
008	Concrete Barriers	LF	200	\$120.00	\$24,000.00
009	Crash Attenuators	EA	4	\$1,400.00	\$5,600.00
010	Drum Channelizing Device	EA	50	\$70.00	\$3,500.00
DIVISION 02 - Sitework					
011	Remove/Replace Asphalt	SY	50	\$95.00	\$4,750.00
012	Remove/Replace Concrete	SY	20	\$140.00	\$2,800.00
013	Pressure Cleanout	EA	5	\$7,500.00	\$37,500.00
014	Sanitary Cleanout	EA	1	\$1,800.00	\$1,800.00
015	Connection to Stone Canyon Lift Station Manhole	LS	1	\$11,000.00	\$11,000.00
016	4-inch DR 9 HDPE Pipe - Horizontal Directional Drilling	LF	1340	\$65.00	\$87,100.00
017	Cut Off Walls	EA	5	\$2,200.00	\$11,000.00
Erosion Control					
018	Vehicle Tracking Control	EA	7	\$2,400.00	\$16,800.00
019	Silt Fence	LF	5670	\$4.00	\$22,680.00
020	Concrete Washout Area	EA	3	\$2,400.00	\$7,200.00
021	Sediment Control Log	LF	400	\$10.00	\$4,000.00
022	Culvert Inlet Protection	EA	2	\$400.00	\$800.00
023	Clear and Grub	LS	1	\$12,000.00	\$12,000.00
024	Seeding	AC	3.3	\$4,950.00	\$16,335.00
Site Piping					
025	4-inch DR 9 HDPE Pipe - Open Cut	LF	2080	\$127.00	\$264,160.00
026	4-inch Ductile Iron Pipe	LF	20	\$260.00	\$5,200.00
027	6-inch Ductile Iron Pipe	LF	20	\$250.00	\$5,000.00
028	6-inch PVC SDR 35 Pipe	LF	60	\$230.00	\$13,800.00
029	8-inch Ductile Iron Pipe	LF	50	\$275.00	\$13,750.00
030	8-inch PVC SDR 35 Pipe	LF	20	\$260.00	\$5,200.00
031	12-inch by 8-inch Reducer	EA	4	\$1,500.00	\$6,000.00
032	10-inch PVC SDR 35 Pipe	LF	140	\$240.00	\$33,600.00
033	12-inch Ductile Iron Pipe	LF	40	\$320.00	\$12,800.00
034	12-inch by 6-inch Tee	EA	2	\$2,100.00	\$4,200.00
035	12-inch by 12-inch Tee	EA	2	\$2,400.00	\$4,800.00
036	12-inch Ductile Iron Pipe Plug	EA	2	\$1,400.00	\$2,800.00
037	24-inch Welded Steel Casing and Ramming	LF	254	\$1,410.00	\$358,140.00
Site Valves					
038	4-inch Plug Valve	EA	3	\$3,200.00	\$9,600.00
039	6-inch Gate Valve	EA	2	\$2,200.00	\$4,400.00
040	12-inch Gate Valve	EA	4	\$4,600.00	\$18,400.00
041	2-inch Blowoff Valve Assembly	EA	2	\$4,800.00	\$9,600.00
042	6-inch Fire Hydrant Assembly	EA	1	\$9,000.00	\$9,000.00

EXHIBIT 1**Bid Tabulation**

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
DIVISION 03 - Concrete					
043	Concrete Wet Well	EA	1	\$88,000.00	\$88,000.00
044	4-Foot Diameter Manhole	EA	2	\$15,000.00	\$30,000.00
045	8-Foot Diameter Manhole (overflow storage)	EA	1	\$65,000.00	\$65,000.00
046	Overflow Storage Vaults - 2,500 gallons	EA	2	\$21,000.00	\$42,000.00
DIVISION 11 - Equipment					
047	Submersible Grinder Pumps	EA	2	\$58,000.00	\$116,000.00
DIVISION 13 - Special Construction					
048	Odor Control System	EA	2	\$19,600.00	\$39,200.00
DIVISION 15 - Mechanical					
049	Pressure Reducing Valve Vaults (PRV) - 6, 7, & 8	EA	3	\$71,000.00	\$213,000.00
050	4-inch Ball Check Valve	EA	2	\$900.00	\$1,800.00
Piping					
051	4-inch Ductile Iron Pipe	LF	40	\$260.00	\$10,400.00
052	4-inch Schedule 40 PVC Pipe	LF	40	\$245.00	\$9,800.00
053	6-inch Vent and Vent Piping	EA	3	\$4,600.00	\$13,800.00
DIVISION 16 - Electrical					
054	PRV-7 & East Corridor Lift Station Electrical	LS	1	\$78,000.00	\$78,000.00
055	East Corridor Monitoring Panel	LS	1	\$92,000.00	\$92,000.00
056	PRV-6 Electrical	LS	1	\$7,000.00	\$7,000.00
057	PRV-8 Electrical	LS	1	\$7,000.00	\$7,000.00
058	Odor Control System Electrical	LS	1	\$2,700.00	\$2,700.00

ORIGINAL CONTRACT TOTAL \$1,989,995.00

CHANGE ORDERS

CHANGE ORDER #1 (PR #1A) - ADDITIONAL BID ITEMS					
059	EXCAVATE AND CUT INTO 24" RCP	EA	2	\$6,000.00	\$12,000.00
060	EXCAVATE AND EXPOSE 27" STEEL LINE	EA	2	\$6,000.00	\$12,000.00
061	CLEANING & TYPING OF EXIST 24" RCP AND 27	Hours	20	\$650.00	\$13,000.00

CHANGE ORDER #1 TOTAL \$37,000.00

CHANGE ORDER #2 (PR #2) - ADDITIONAL BID ITEMS					
055A	PLC & CELLULAR MODEM FOR MONITORING PANEL	LS	1	\$5,016.81	\$5,016.81

CHANGE ORDER #2 TOTAL \$5,016.81

CHANGE ORDER #3 (PR #4) - ADDITIONAL BID ITEMS					
062	4-INCH PRESSURE RELIEF VALVE AND ASSOCIATED APPURTENANCES	EA	1	\$10,822.00	\$10,822.00

CHANGE ORDER #3 TOTAL \$10,822.00

CHANGE ORDER #4 (PR #5) - ADDITIONAL BID ITEMS					
063	12" x 8" TAPPING SLEEVE AND THRUST BLOCK	EA	2	\$3,800.00	\$7,600.00
064	8" TAPPING VALVE	EA	2	\$3,700.00	\$7,400.00
065	DEDUCT: LINE 031 - "12-inch by 8-inch Reducer"	EA	-2	\$1,500.00	(\$3,000.00)
066	DEDUCT: LINE 035 - "12-inch by 12-inch Tee"	EA	-2	\$2,400.00	(\$4,800.00)
067	DEDUCT: LINE 040 - "12-inch Gate Valve"	EA	-2	\$4,600.00	(\$9,200.00)

CHANGE ORDER #4 TOTAL (\$2,000.00)

CHANGE ORDER #5 (PR #6) - ADDITIONAL BID ITEMS					
068	4-INCH TEE AND 4-INCH GATE VALVE	EA	2	\$1,811.00	\$3,622.00
069	4-INCH BLIND FLANGE	EA	2	\$100.00	\$200.00
070	4-INCH PRESSURE RELIEF VALVE	EA	2	\$6,057.00	\$12,114.00

CHANGE ORDER #5 TOTAL \$15,936.00

EXHIBIT 1**Bid Tabulation**

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
CHANGE ORDER #6 (PR #3A) - ADDITIONAL BID ITEMS					
071	4-INCH DR 9 HDPE PIPE - SLEEVING WITH FLOWFILL ENDS ON 24" RCP	LF	160	\$65.00	\$10,400.00
072	4-INCH DR 9 HDPE PIPE - HORIZONTAL DIRECTIONAL DRILLING (WITH COBBLE)	LF	1670	\$140.00	\$233,800.00
073	4-INCH DR 9 HDPE PIPE - HORIZONTAL DIRECTIONAL DRILLING THROUGH FLOWFILL	LF	135	\$140.00	\$18,900.00
074	4-INCH DR 9 HDPE PIPE - OPEN CUT (WITH COBBLE)	LF	375	\$170.00	\$63,750.00
075	TUNNEL ENGINEERING	EA	1	\$22,956.88	\$22,956.88
076	DEDUCT: LINE 025 - "4-inch DR 9 HDPE Pipe - Open Cut"	LF	-2080	\$127.00	(\$264,160.00)
077	DEDUCT: LINE 037 - "24-inch Welded Steel Casing and Ramming"	LF	-254	\$1,410.00	(\$358,140.00)
CHANGE ORDER #6 TOTAL					(\$272,493.12)

CHANGE ORDER #7 (PR #7) - ADDITIONAL BID ITEMS					
079	SHEAVING OF EXISTING STONE CANYON LIFT STATION PUMPS AND REPLACING OF EXISTING MOTORS	EA	1	\$7,036.00	\$7,036.00
CHANGE ORDER #7 TOTAL					\$7,036.00

CHANGE ORDER #8 (PR #8) - ADDITIONAL BID ITEMS					
080	DEMO OF EXISTING MANHOLE AND PIPE INSIDE MANHOLE	EA	1	\$6,000.00	\$6,000.00
081	REROUTE FORCEMAIN AROUND MANHOLE	EA	1	\$3,300.00	\$3,300.00
082	INSTALLATION OF NEW MANHOLE AND ASSOCIATED PIPING	EA	1	\$16,000.00	\$16,000.00
CHANGE ORDER #8 TOTAL					\$25,300.00

CHANGE ORDER #9 (PR #9) - ADDITIONAL BID ITEMS					
083	ADDITIONAL STEPS AND VENT PIPES IN PRV VAULTS 7 AND 8	EA	1	\$325.00	\$325.00
084	INSTALLATION OF ADDITIONAL STEPS IN PRV VAULTS 7 AND 8	EA	1	\$25.00	\$25.00
085	INCREASE WALL HEIGHT FOR PRV 6 AND 8 - CAST IN PLACE CONCRETE	EA	1	\$3,225.00	\$3,225.00
086	CONCRETE ENCASMENT AT STA 14+40	CY	5	\$200.00	\$1,000.00
087	LABOR FOR CONCRETE ENCASMENT AT STA 14+40	HRS	2	\$325.00	\$650.00
088	LABOR TO ASSIST TOWN WITH DAMAGED WATER SERVICE	HRS	4	\$325.00	\$1,300.00
089	IMPORTED BEDDING FOR BACKFILL OF AREA OF DAMAGED WATER SERVICE	CY	5	\$25.00	\$125.00
090	EXCAVATION AND HAULING OF UNSUITABLE SOIL IN THE AREA OF DAMAGED WATER SERVICE	CY	3	\$180.00	\$540.00
CHANGE ORDER #9 TOTAL					\$7,615.00

CHANGE ORDER TOTAL (\$165,767.31)
CURRENT CONTRACT TOTAL \$1,824,227.69

EXHIBIT 1**Bid Tabulation**Town of Lyons
Eastern Corridor Utilities Project**ORIGINAL CONTRACT**

Item #	Description	Units	Qty	Unit Price	Total
DIVISION 00 and 01 - General Conditions and Requirements					
001	Contract General Conditions and Mobilization	LS	1	\$45,000.00	\$45,000.00
002	Dewatering	LS	1	\$55,000.00	\$55,000.00
003	Initial Construction Surveying	LS	1	\$8,000.00	\$8,000.00
004	Supplemental Construction Surveying	HR	20	\$210.00	\$4,200.00
005	Construction Materials Testing	HR	40	\$175.00	\$7,000.00
Traffic Control					
006	Flaggers	HR	100	\$41.00	\$4,100.00
007	Construction Signs (Size D)	EA	12	\$140.00	\$1,680.00
008	Concrete Barriers	LF	200	\$120.00	\$24,000.00
009	Crash Attenuators	EA	4	\$1,400.00	\$5,600.00
010	Drum Channelizing Device	EA	50	\$70.00	\$3,500.00
DIVISION 02 - Sitework					
011	Remove/Replace Asphalt	SY	50	\$95.00	\$4,750.00
012	Remove/Replace Concrete	SY	20	\$140.00	\$2,800.00
013	Pressure Cleanout	EA	5	\$7,500.00	\$37,500.00
014	Sanitary Cleanout	EA	1	\$1,800.00	\$1,800.00
015	Connection to Stone Canyon Lift Station Manhole	LS	1	\$11,000.00	\$11,000.00
016	4-inch DR 9 HDPE Pipe - Horizontal Directional Drilling	LF	1340	\$65.00	\$87,100.00
017	Cut Off Walls	EA	5	\$2,200.00	\$11,000.00
Erosion Control					
018	Vehicle Tracking Control	EA	7	\$2,400.00	\$16,800.00
019	Silt Fence	LF	5670	\$4.00	\$22,680.00
020	Concrete Washout Area	EA	3	\$2,400.00	\$7,200.00
021	Sediment Control Log	LF	400	\$10.00	\$4,000.00
022	Culvert Inlet Protection	EA	2	\$400.00	\$800.00
023	Clear and Grub	LS	1	\$12,000.00	\$12,000.00
024	Seeding	AC	3.3	\$4,950.00	\$16,335.00
Site Piping					
025	4-inch DR 9 HDPE Pipe - Open Cut	LF	2080	\$127.00	\$264,160.00
026	4-inch Ductile Iron Pipe	LF	20	\$260.00	\$5,200.00
027	6-inch Ductile Iron Pipe	LF	20	\$250.00	\$5,000.00
028	6-inch PVC SDR 35 Pipe	LF	60	\$230.00	\$13,800.00
029	8-inch Ductile Iron Pipe	LF	50	\$275.00	\$13,750.00
030	8-inch PVC SDR 35 Pipe	LF	20	\$260.00	\$5,200.00
031	12-inch by 8-inch Reducer	EA	4	\$1,500.00	\$6,000.00
032	10-inch PVC SDR 35 Pipe	LF	140	\$240.00	\$33,600.00
033	12-inch Ductile Iron Pipe	LF	40	\$320.00	\$12,800.00
034	12-inch by 6-inch Tee	EA	2	\$2,100.00	\$4,200.00
035	12-inch by 12-inch Tee	EA	2	\$2,400.00	\$4,800.00
036	12-inch Ductile Iron Pipe Plug	EA	2	\$1,400.00	\$2,800.00
037	24-inch Welded Steel Casing and Ramming	LF	254	\$1,410.00	\$358,140.00
Site Valves					
038	4-inch Plug Valve	EA	3	\$3,200.00	\$9,600.00
039	6-inch Gate Valve	EA	2	\$2,200.00	\$4,400.00
040	12-inch Gate Valve	EA	4	\$4,600.00	\$18,400.00
041	2-inch Blowoff Valve Assembly	EA	2	\$4,800.00	\$9,600.00
042	6-inch Fire Hydrant Assembly	EA	1	\$9,000.00	\$9,000.00

EXHIBIT 1

Bid Tabulation

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
DIVISION 03 - Concrete					
043	Concrete Wet Well	EA	1	\$88,000.00	\$88,000.00
044	4-Foot Diameter Manhole	EA	2	\$15,000.00	\$30,000.00
045	8-Foot Diameter Manhole (overflow storage)	EA	1	\$65,000.00	\$65,000.00
046	Overflow Storage Vaults - 2,500 gallons	EA	2	\$21,000.00	\$42,000.00
DIVISION 11 - Equipment					
047	Submersible Grinder Pumps	EA	2	\$58,000.00	\$116,000.00
DIVISION 13 - Special Construction					
048	Odor Control System	EA	2	\$19,600.00	\$39,200.00
DIVISION 15 - Mechanical					
049	Pressure Reducing Valve Vaults (PRV) - 6, 7, & 8	EA	3	\$71,000.00	\$213,000.00
050	4-inch Ball Check Valve	EA	2	\$900.00	\$1,800.00
Piping					
051	4-inch Ductile Iron Pipe	LF	40	\$260.00	\$10,400.00
052	4-inch Schedule 40 PVC Pipe	LF	40	\$245.00	\$9,800.00
053	6-inch Vent and Vent Piping	EA	3	\$4,600.00	\$13,800.00
DIVISION 16 - Electrical					
054	PRV-7 & East Corridor Lift Station Electrical	LS	1	\$78,000.00	\$78,000.00
055	East Corridor Monitoring Panel	LS	1	\$92,000.00	\$92,000.00
056	PRV-6 Electrical	LS	1	\$7,000.00	\$7,000.00
057	PRV-8 Electrical	LS	1	\$7,000.00	\$7,000.00
058	Odor Control System Electrical	LS	1	\$2,700.00	\$2,700.00
ORIGINAL CONTRACT TOTAL					\$1,989,995.00

CHANGE ORDERS

CHANGE ORDER #1 (PR #1A) - ADDITIONAL BID ITEMS					
059	EXCAVATE AND CUT INTO 24" RCP	EA	2	\$6,000.00	\$12,000.00
060	EXCAVATE AND EXPOSE 27" STEEL LINE	EA	2	\$6,000.00	\$12,000.00
061	CLEANING & TYPING OF EXIST 24" RCP AND 27	Hours	20	\$650.00	\$13,000.00
CHANGE ORDER #1 TOTAL					\$37,000.00

CHANGE ORDER #2 (PR #2) - ADDITIONAL BID ITEMS					
055A	PLC & CELLULAR MODEM FOR MONITORING PANEL	LS	1	\$5,016.81	\$5,016.81
CHANGE ORDER #2 TOTAL					\$5,016.81

CHANGE ORDER #3 (PR #4) - ADDITIONAL BID ITEMS					
062	4-INCH PRESSURE RELIEF VALVE AND ASSOCIATED APPURTENANCES	EA	1	\$10,822.00	\$10,822.00
CHANGE ORDER #3 TOTAL					\$10,822.00

CHANGE ORDER #4 (PR #5) - ADDITIONAL BID ITEMS					
063	12" x 8" TAPPING SLEEVE AND THRUST BLOCK	EA	2	\$3,800.00	\$7,600.00
064	8" TAPPING VALVE	EA	2	\$3,700.00	\$7,400.00
065	DEDUCT: LINE 031 - "12-inch by 8-inch Reducer"	EA	-2	\$1,500.00	(\$3,000.00)
066	DEDUCT: LINE 035 - "12-inch by 12-inch Tee"	EA	-2	\$2,400.00	(\$4,800.00)
067	DEDUCT: LINE 040 - "12-inch Gate Valve"	EA	-2	\$4,600.00	(\$9,200.00)
CHANGE ORDER #4 TOTAL					(\$2,000.00)

CHANGE ORDER #5 (PR #6) - ADDITIONAL BID ITEMS					
068	4-INCH TEE AND 4-INCH GATE VALVE	EA	2	\$1,811.00	\$3,622.00
069	4-INCH BLIND FLANGE	EA	2	\$100.00	\$200.00
070	4-INCH PRESSURE RELIEF VALVE	EA	2	\$6,057.00	\$12,114.00
CHANGE ORDER #5 TOTAL					\$15,936.00

EXHIBIT 1

Bid Tabulation

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
CHANGE ORDER #6 (PR #3A) - ADDITIONAL BID ITEMS					
071	4-INCH DR 9 HDPE PIPE - SLEEVING WITH FLOWFILL ENDS ON 24" RCP	LF	160	\$65.00	\$10,400.00
072	4-INCH DR 9 HDPE PIPE - HORIZONTAL DIRECTIONAL DRILLING (WITH COBBLE)	LF	1670	\$140.00	\$233,800.00
073	4-INCH DR 9 HDPE PIPE - HORIZONTAL DIRECTIONAL DRILLING THROUGH FLOWFILL	LF	135	\$140.00	\$18,900.00
074	4-INCH DR 9 HDPE PIPE - OPEN CUT (WITH COBBLE)	LF	375	\$170.00	\$63,750.00
075	TUNNEL ENGINEERING	EA	1	\$22,956.88	\$22,956.88
076	DEDUCT: LINE 025 - "4-inch DR 9 HDPE Pipe - Open Cut"	LF	-2080	\$127.00	(\$264,160.00)
077	DEDUCT: LINE 037 - "24-inch Welded Steel Casing and Ramming"	LF	-254	\$1,410.00	(\$358,140.00)
CHANGE ORDER #6 TOTAL					(\$272,493.12)
CHANGE ORDER #7 (PR #7) - ADDITIONAL BID ITEMS					
079	SHEAVING OF EXISTING STONE CANYON LIFT STATION PUMPS AND REPLACING OF EXISTING MOTORS	EA	1	\$7,036.00	\$7,036.00
CHANGE ORDER #7 TOTAL					\$7,036.00
CHANGE ORDER #8 (PR #8) - ADDITIONAL BID ITEMS					
080	DEMO OF EXISTING MANHOLE AND PIPE INSIDE MANHOLE	EA	1	\$6,000.00	\$6,000.00
081	REROUTE FORCEMAIN AROUND MANHOLE	EA	1	\$3,300.00	\$3,300.00
082	INSTALLATION OF NEW MANHOLE AND ASSOCIATED PIPING	EA	1	\$16,000.00	\$16,000.00
CHANGE ORDER #8 TOTAL					\$25,300.00
CHANGE ORDER #9 (PR #9) - ADDITIONAL BID ITEMS					
083	ADDITIONAL STEPS AND VENT PIPES IN PRV VAULTS 7 AND 8	EA	1	\$325.00	\$325.00
084	INSTALLATION OF ADDITIONAL STEPS IN PRV VAULTS 7 AND 8	EA	1	\$25.00	\$25.00
085	INCREASE WALL HEIGHT FOR PRV 6 AND 8 - CAST IN PLACE CONCRETE	EA	1	\$3,225.00	\$3,225.00
086	CONCRETE ENCASEMENT AT STA 14+40	CY	5	\$200.00	\$1,000.00
087	LABOR FOR CONCRETE ENCASEMENT AT STA 14+40	HRS	2	\$325.00	\$650.00
088	LABOR TO ASSIST TOWN WITH DAMAGED WATER SERVICE	HRS	4	\$325.00	\$1,300.00
089	IMPORTED BEDDING FOR BACKFILL OF AREA OF DAMAGED WATER SERVICE	CY	5	\$25.00	\$125.00
090	EXCAVATION AND HAULING OF UNSUITABLE SOIL IN THE AREA OF DAMAGED WATER SERVICE	CY	3	\$180.00	\$540.00
CHANGE ORDER #9 TOTAL					\$7,615.00
CHANGE ORDER TOTAL					(\$165,767.31)
CURRENT CONTRACT TOTAL					\$1,824,227.69

EXHIBIT A

LYONS
COLORADO

CHANGE ORDER

Project Title: EASTERN CORRIDOR UTILITIES

EDA Project No. 05-01-05734

Drawing No. N/A

Sheet No. N/A

Order No. 7
CGRS PR No. 7

1. Reason for change:

Add sheaving of existing pumps and replace existing motors at the Stone Canyon Lift Station

2. Description of Change:

See attached narrative.

3. Change in Contract Cost:

☒ increase of \$ 7,036.00☐ decrease of☐ no change

4. Change in Contract Time:

☐ increase of☐ decrease of☒ no change

5. Contract Adjustment Summary:

Original Contract Sum: \$ 1,989,995.00

Previous Approved Changes: \$ -205,718.31

Adjusted Contract Sum: \$ 7,036.00

New Contract Sum: \$ 1,791,312.69

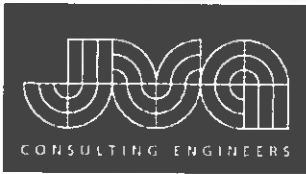
SUBMITTED: CGRS, Inc.  Date: 3/20/20APPROVED: Joel Price  Date: 3/20/2020APPROVED:  Date: 4/2/2020APPROVED:  Date: 4-2-2020APPROVED:  Date: 4-2-2020APPROVED:  Date: 5-1-2020

CHANGE ORDER SUMMARY

Town Change Order #	CGRS PR #	Date of Request	Description	Change Order Amount	Previous Change Orders	Contract Sum	Status
						\$ 1,989,995.00	
1	1A	7/29/2019	Add - Excavate, clean & video existing 24" RCP & 27" steel lines	\$ 37,000.00	\$ -	\$ 2,026,995.00	Completed
2	2	7/12/2019	Add - PLC & Modem	\$ 5,016.81	\$ 37,000.00	\$ 2,032,011.81	Completed
3	4	8/22/2019	Add - Pressure Relief Valve in PRV #7	\$ 10,822.00	\$ 42,016.81	\$ 2,042,833.81	Completed
4	5	10/18/2019	Deduct - Wet Tap at PRV 6 & 8	\$ (2,000.00)	\$ 52,838.81	\$ 2,040,833.81	Completed
5	6	10/18/2019	Add - Pressure Relief Valve in PRV 6 & 8	\$ 15,936.00	\$ 50,838.81	\$ 2,056,769.81	Completed
6	3A	11/7/2019	Add / Deduct - Add HDD, Reduce Open Trench, Remove Ramming, Add Tunnel Engineering, Add 24" RCP sleeving, Add 24" HDD Flowfill	\$ (272,493.12)	\$ 66,774.81	\$ 1,784,276.69	Completed
7	7	11/11/2019	Add - Stone Canyon LS Pump Sheaving & Motor Replacement	\$ 7,036.00	\$(205,718.31)	\$ 1,791,312.69	In Progress

COST REASONABLENESS JUSTIFICATION

JVA has reviewed this PR and finds it necessary to add the sheaving to the pumps and replacing the motors at the existing Stone Canyon Lift Station. The costs for this PR are reasonable and comparable based on historical costs for this type of material and labor.



JVA, Incorporated
1319 Spruce Street
Boulder, CO 80302
303.444.1951
info@jvajva.com

March 11, 2020

Mr. Philip Strom
Town of Lyons
432 5th Avenue
Lyons, CO 80540

www.jvajva.com

RE: Eastern Corridor Utilities - Proposal Request #7
Justification Letter
Town of Lyons
2686c - Eastern Corridor Lift Station

Dear Philip:

On January 31, 2020, JVA sent Proposal Request 7 (PR 7) to CGRS Inc. (Contractor) for the addition of two work items to the project scope for the purpose of increasing the capacity of the Stone Canyon Lift Station pumps. This addition of work has been recommended as per CDPHE requirements for the additional flows from the Eastern Corridor Lift Station to the Stone Canyon Lift Station. In order to handle the additional flows at buildout of the Eastern Corridor, the capacity of the Stone Canyon Lift Station pumps must be increased. The Town of Lyons (Town) requested the completion of this work by the contractor as a way to expedite the approval and start-up of the Eastern Corridor Lift Station, which will allow the Town to move into the Public Works Building.

The increase in capacity of the Stone Canyon Lift Station is a necessary component of the approval of the Eastern Corridor Lift Station. Originally, the Town was planning on carrying out the work separately from the Eastern Corridor Utilities Project. However, it was determined by JVA and the Town that the most efficient and cost-effective way to complete this work is to add it to the scope of the Contractor.


The scope of supply in PR 7 includes:

- Sheaving (capacity increase) of the two (2) existing Gorman-Rupp T3A3S-B / WW self-priming pumps at the Stone Canyon Lift Station
- Replace the existing 10 hp motors with new 15 hp motors
- TOTAL = \$7,036

The prices for the above scope of work parts is below estimated prices from the Gorman-Rupp sales representative for just the motors. The proposed costs, which include labor for about 1 day of work, are therefore considered very reasonable and at or below competitive market prices.

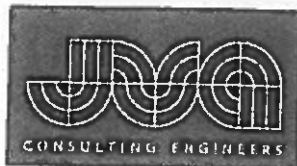
If you require additional information or have questions, please give me a call at 303-565-4965 or send me and email at aspam@jvajva.com.

Sincerely,
JVA, INCORPORATED

By: 

Andrew Sparn, P.E.
Project Manager / Associate

CC: Victoria Simonsen, Town of Lyons
Tracy Sanders, Town of Lyons
Erika Archer, Town of Lyons
Shar Shadowen, P.E., Interwest Consulting Group
Josh McGibbon, P.E., JVA, Inc.



www.jvajva.com

☒ Boulder

1319 Spruce Street
Boulder, CO 80302
303.444.1951

☐ Fort Collins

25 Old Town Square
Suite 200
Fort Collins, CO 80524
970.225.9099

☐ Winter Park

PO Box 1860
47 Cooper Creek Way
Suite 328
Winter Park, CO 80482
970.722.7677

☐ Glenwood Springs

214 8th Street
Suite 210
Glenwood Springs, CO
81601
970.404.3100

☐ Denver

1512 Larimer Street
Suite 710
Denver, CO 80202
303.444.1951

PROPOSAL REQUEST

PROJECT NAME: Eastern Corridor Utilities DATE: 01/31/2020
OWNER: Town of Lyons PR NUMBER: 07
CONTRACTOR: CGRS, Inc. JOB NO. 2686c

Submit an itemized proposal for changes in the Contract Sum/Time for proposed modification to the Contract Documents described herein. Submit proposal within ten days (10), or notify the Engineer in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, UNLESS it is signed and the final amount is approved by all parties.

The proposal is to request the addition of one bid item to the Contract. The contractor's bid and Section 01025 - measurement and Payment have been revised to reflect changes described in this proposal request and are attached for reference. Acceptance of this proposal will result in the addition of line item 79, "SHEAVING OF EXISTING STONE CANYON LIFT STATION PUMPS AND REPLACING OF EXISTING MOTORS" at a unit price to be determined per occurrence, to be used for 1 occurrence. Please find the three attached documents for reference: "2686c - PR 7 Details", "CGRS Eastern Corridor Utilities - BID (Revised)", and "Section 01025 - Measurement and Payment (Revised)".

CONTRACTOR BLOCK

The work will affect the project as summarized below. Backup attached includes all costs of labor, materials, taxes, overhead, profit, time impact and all other changes and/or charges involved as required by the Contract Documents.

ADD/DEDUCT

ADD 6397 + 10% = \$7036

CONTRACTOR TIME will be ☒ Increased ☐ Decreased ☐ Unchanged by 45 Days

CONTRACTOR'S SIGNATURE [Signature]

documentation attached

DATE 2/3/2020

*This information shall be valid for thirty (30) calendar days from the date of signature.

REVIEW BLOCK

ENGINEER: [Signature]

Signature

Approve ☒

Reject ☐

Amount	Time
<u>\$7036.00</u>	<input type="checkbox"/>

Comments: _____

Date: Feb 3, 2020

OWNER: _____

Signature

Approve ☐

Reject ☐

Amount	Time
	<input type="checkbox"/>

Comments: _____

Date: _____

If the amt/time differ from the submitted, FINAL approval and signature from GC required below.

FINAL APPROVED PROPOSAL REQUEST

(if submitted values were changed during review)

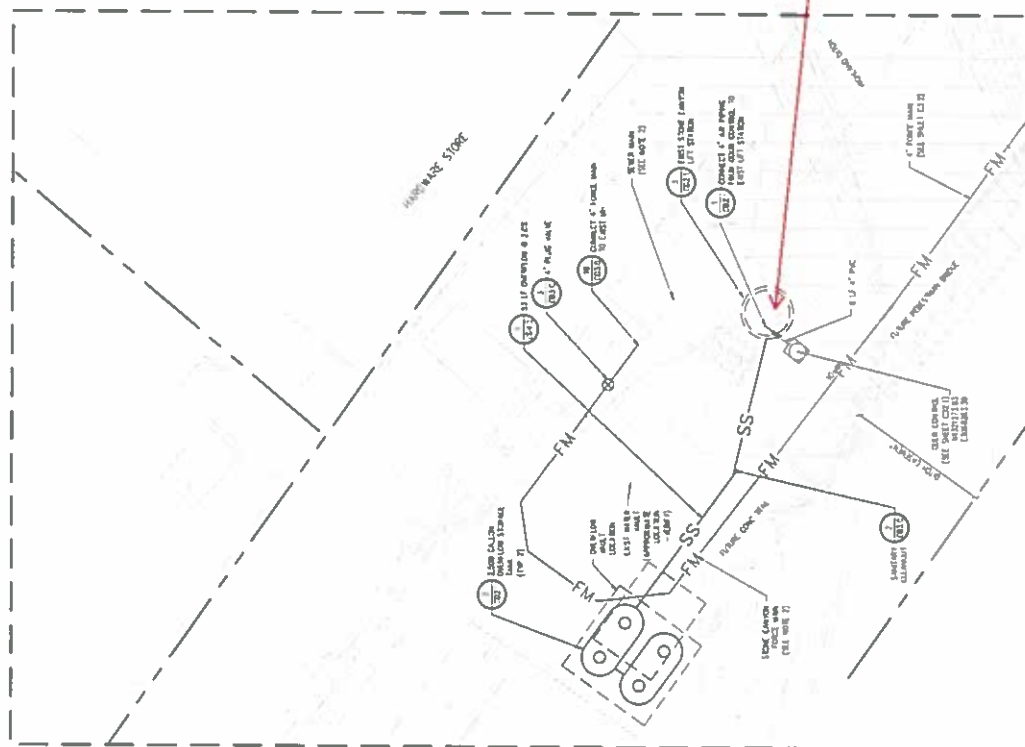
CONTRACTOR: _____

DATE: _____

Amount	Time

If different than submitted

When signed by the Owner, Engineer, and the Final Amount/Time is approved by the General Contractor, this document becomes effective immediately as a Change Order, and the Contractor shall proceed with the change(s) herein.



Increase capacity of the two (2) existing Gorman-Rupp T3A3S-B / WW self-priming pumps at the Stone Canyon Lift Station (Serial Number 1302151). Adjust the pump belt:sheave ratio to accommodate 150 gpm @ 86 ft TDH. Include field start-up and flow testing after pump modification with certification letter from the manufacturer's representative or qualified installer. Replace 10 hp existing motors with new 15 hp motors.



Bid Tabulation - PR#7

Town of Lyons
Eastern Corridor Utilities Project

PROPOSAL REQUEST #7 - ADDITIONAL BID ITEMS		Units	Qty	Unit Price	Total
079	SHEAVING OF EXISTING STONE CANYON LIFT STATION PUMPS AND REPLACING OF EXISTING MOTORS	LS	1	7036	7036 ⁰⁰

PROPOSAL REQUEST #7 TOTAL

Section 01025 – Measurement and Payment

The quantity to be paid for this item shall be for the actual number of pressure relief valves and all necessary appurtenances installed.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to install, complete-in-place, the 4-inch pressure relief valves. The bid price shall include, but is not limited to, supply and installation of a 4-inch pressure relief valve, a 4-inch by 4-inch flanged tee, all necessary ductile iron piping, pipe fittings, valves, pipe penetrations, pipe supports, and all other costs not included under other bid items. All labor, materials, equipment, transportation, and work associated with the pressure reducing valve vault shall be measured and paid for separately under the “PRESSURE REDUCING VALVE VAULTS (PRV) – 6, 7, & 8” bid items. All labor, materials, equipment, transportation, and work associated with traffic and pedestrian control shall be measured and paid for separately under the “traffic control” bid items. No payment for additional work outside of the scope of the pressure relief valve unless directed and approved by the Engineer will be included in the amount computed for payment.

ADDED WORK ITEMS – PR 7

Item 079 SHEAVING OF EXISTING STONE CANYON LIFT STATION PUMPS AND REPLACING OF EXISTING MOTORS

A. Measurement

The quantity to be paid for this item shall be for the completion of the capacity increase by sheaving for the two (2) existing Gorman-Rupp T3A3S-B/WW self-priming pumps at the Stone Canyon Lift Station, as well as the replacement of the existing 10 hp motors with 15 hp motors.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to increase the capacity of two (2) existing Gorman-Rupp T3A3S-B/WW self-priming pumps at the Stone Canyon Lift Station and replace the existing 10 hp motors with 15 hp motors. Adjust the pump belt:sheave ratio to accommodate 150 gpm @ 86 ft of total dynamic head (TDH). The bid price shall include, but is not limited to, all necessary equipment, belts, pulleys, and appurtenances to increase the capacity of the existing pumps and replace existing motors not included in other bid items. Include field start-up and flow testing after pump modification with certification letter from the manufacturer's representative or qualified installer. All labor, materials, equipment, transportation, and work associated with traffic and pedestrian control shall be measured and paid for separately under the “traffic control” bid items. No payment for additional work outside of the scope of increasing the capacity of the existing Stone Canyon Lift Station pumps unless directed and approved by the Engineer will be included in the amount computed for payment.

CHANGE ORDER

Project Title: **EASTERN CORRIDOR UTILITIES**

EDA Project No. 05-01-05734

Drawing No. N/A

Sheet No. N/A

Order No. 8
CGRS PR No. 8

1. Reason for change:

Remove and replace existing manhole upstream of Stone Canyon Lift Station

2. Description of Change:

See attached narrative.

3. Change in Contract Cost:

☒ increase of \$ 25,300.00
☐ decrease of
☐ no change

4. Change in Contract Time:

☐ increase of
☐ decrease of
☒ no change

5. Contract Adjustment Summary:

Original Contract Sum: \$ 1,989,995.00

Previous Approved Changes: \$ -198,682.31

Adjusted Contract Sum: \$ 25,300.00

New Contract Sum: \$ 1,816,612.69

SUBMITTED:



Contractor

Date: 4-28-20

APPROVED:



Town Engineer

Date: 4-28-20

APPROVED:



Project Manager (for certain change orders per LMC)

Date: 4-28-20

APPROVED:

Finance Director (for certain change orders per LMC)

Date:

APPROVED:

Administrator (for certain change orders per LMC)

Date:

APPROVED:

Board of Trustees (for certain change orders per LMC)

Date:



CHANGE ORDER SUMMARY

Town Change Order #	CGRS PR #	Date of Request	Description	Change Order Amount	Previous Change Orders	Contract Sum	Status
						\$ 1,989,995.00	
1	1A	7/29/2019	Add - Excavate, clean & video existing 24" RCP & 27" steel lines	\$ 37,000.00	\$ -	\$ 2,026,995.00	Completed
2	2	7/12/2019	Add - PLC & Modern	\$ 5,016.81	\$ 37,000.00	\$ 2,032,011.81	Completed
3	4	8/22/2019	Add - Pressure Relief Valve in PRV #7	\$ 10,822.00	\$ 42,016.81	\$ 2,042,833.81	Completed
4	5	10/18/2019	Deduct - Wet Tap at PRV 6 & 8	\$ (2,000.00)	\$ 52,838.81	\$ 2,040,833.81	Completed
5	6	10/18/2019	Add - Pressure Relief Valve in PRV 6 & 8	\$ 15,936.00	\$ 50,838.81	\$ 2,056,769.81	Completed
6	3A	11/7/2019	Add / Deduct - Add HDD, Reduce Open Trench, Remove Ramming, Add Tunnel Engineering, Add 24" RCP sleeving, Add 24" HDD Flowfill	\$ (272,493.12)	\$ 66,774.81	\$ 1,784,276.69	Completed
7	7	11/11/2019	Add - Stone Canyon LS Pump Sheaving & Motor Replacement	\$ 7,036.00	\$ (205,718.31)	\$ 1,791,312.69	In Progress
8	8	3/16/2020	Add - Stone Canyon LS Manhole Replacement	\$ 25,300.00	\$ (198,682.31)	\$ 1,816,612.69	In Progress

COST REASONABLENESS JUSTIFICATION

JVA has reviewed this PR and finds it necessary to remove and replace the manhole upstream of the Stone Canyon Lift Station. The costs for this PR are reasonable and comparable based on historical costs for this type of material and labor.

CHANGE ORDER

Project Title: **EASTERN CORRIDOR UTILITIES**

EDA Project No. 05-01-05734

Drawing No. N/A

Sheet No. N/A

Order No. 8
CGRS PR No. 8

1. Reason for change:

Remove and replace existing manhole upstream of Stone Canyon Lift Station

2. Description of Change:

See attached narrative.

3. Change in Contract Cost:

☒ increase of \$ 25,300.00
☐ decrease of
☐ no change

4. Change in Contract Time:

☐ increase of
☐ decrease of
☒ no change

5. Contract Adjustment Summary:

Original Contract Sum: \$ 1,989,995.00

Previous Approved Changes: \$ -198,682.31

Adjusted Contract Sum: \$ 25,300.00

New Contract Sum: \$ 1,816,612.69

SUBMITTED:  Date: 4-28-20
Contractor

APPROVED:  Date: 4-28-20
Town Engineer

APPROVED:  Date: 4-28-20
Project Manager (for certain change orders per LMC)

APPROVED:  Date: 5-4-20
Finance Director (for certain change orders per LMC)

APPROVED:  Date: 5-12-2020
Administrator (for certain change orders per LMC)

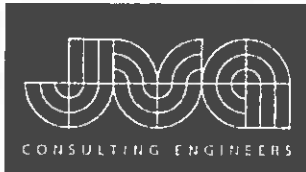
APPROVED:  Date:
Board of Trustees (for certain change orders per LMC)

CHANGE ORDER SUMMARY

Town Change Order #	CGRS PR #	Date of Request	Description	Change Order Amount	Previous Change Orders	Contract Sum	Status
						\$ 1,989,995.00	
1	1A	7/29/2019	Add - Excavate, clean & video existing 24" RCP & 27" steel lines	\$ 37,000.00	\$ -	\$ 2,026,995.00	Completed
2	2	7/12/2019	Add - PLC & Modem	\$ 5,016.81	\$ 37,000.00	\$ 2,032,011.81	Completed
3	4	8/22/2019	Add - Pressure Relief Valve in PRV #7	\$ 10,822.00	\$ 42,016.81	\$ 2,042,833.81	Completed
4	5	10/18/2019	Deduct - Wet Tap at PRV 6 & 8	\$ (2,000.00)	\$ 52,838.81	\$ 2,040,833.81	Completed
5	6	10/18/2019	Add - Pressure Relief Valve in PRV 6 & 8	\$ 15,936.00	\$ 50,838.81	\$ 2,056,769.81	Completed
6	3A	11/7/2019	Add / Deduct - Add HDD, Reduce Open Trench, Remove Ramming, Add Tunnel Engineering, Add 24" RCP sleeving, Add 24" HDD Flowfill	\$ (272,493.12)	\$ 66,774.81	\$ 1,784,276.69	Completed
7	7	11/11/2019	Add - Stone Canyon LS Pump Sheaving & Motor Replacement	\$ 7,036.00	\$ (205,718.31)	\$ 1,791,312.69	In Progress
8	8	3/16/2020	Add - Stone Canyon LS Manhole Replacement	\$ 25,300.00	\$ (198,682.31)	\$ 1,816,612.69	In Progress

COST REASONABLENESS JUSTIFICATION

JVA has reviewed this PR and finds it necessary to remove and replace the manhole upstream of the Stone Canyon Lift Station. The costs for this PR are reasonable and comparable based on historical costs for this type of material and labor.



JVA, Incorporated
1319 Spruce Street
Boulder, CO 80302
303.444.1951
info@jvajva.com

April 29, 2020

Mr. Philip Strom
Town of Lyons
432 5th Avenue
Lyons, CO 80540

www.jvajva.com

RE: Eastern Corridor Utilities - Proposal Request #8
Justification Letter
Town of Lyons
2686c - Eastern Corridor Lift Station

Dear Philip:

On April 16, 2020, JVA sent Proposal Request 8 (PR 8) to CGRS Inc. (Contractor) for the addition of three work items to the project scope for the purpose of replacing the sanitary sewer manhole immediately upstream of the Stone Canyon Lift Station (SCLS). The manhole is in disrepair and is in need of replacement. The Contractor is already working in the area of the manhole, and has equipment and personnel working on site. The forcemain from Eastern Corridor Utilities (ECU) installed by the Contractor has as a part of this project ties into the manhole, further incentivizing the replacement of the manhole. Additionally, an existing forcemain from the SCLS penetrates the manhole and was installed going through the manhole. This is not best practice, and rerouting of the existing forcemain will also be a part of the additional scope added in PR 8. The Town of Lyons (Town) requested the additional work to the Contractor's scope as a way to expedite the replacement of the damaged manhole.


The scope of supply in PR 8 includes:

- Demolition and removal of the existing manhole and interior pipes
- Rerouting the existing forcemain around the manhole with 45 degree bends
- Installation of the new manhole and associated piping, including excavation, backfill and dewatering
- TOTAL = \$25,300

The prices for the above scope of work parts is considered to be reasonable by JVA. The price for installation of a four-foot diameter manhole alone can range from around \$5k to \$15k, depending on depth and groundwater. The Bid Price that CGRS provided for a 4 foot manhole on this project was \$15,000 per unit. The scope of PR 8 also includes demolition, and installation of several feet of PVC pipe, as well as the relocation and rerouting of the forcemain from ECU. This work includes unknowns such as subsurface conditions in the area around the manhole that could potentially cost the Contractor more money than anticipated. Given the aforementioned concerns, JVA's opinion is that the \$25,300 is a reasonable cost for the aforementioned scope of work.

If you require additional information or have questions, please give me a call at 303-565-4965 or send me and email at aspam@jvajva.com.

Sincerely,
JVA, INCORPORATED

By: 

Andrew Sparn, P.E.
Project Manager / Associate

CC: Victoria Simonsen, Town of Lyons
Tracy Sanders, Town of Lyons
Erika Archer, Town of Lyons
Shar Shadowen, P.E., Interwest Consulting Group
Josh McGibbon, P.E., JVA, Inc.



www.jvajva.com

☒ Boulder

1319 Spruce Street
Boulder, CO 80302
303.444.1951

☐ Fort Collins

25 Old Town Square
Suite 200
Fort Collins, CO 80524
970.225.9099

☐ Winter Park

PO Box 1860
47 Cooper Creek Way
Suite 328
Winter Park, CO 80482
970.722.7677

☐ Glenwood Springs

214 8th Street
Suite 210
Glenwood Springs, CO
81601
970.404.3100

☐ Denver

1512 Larimer Street
Suite 710
Denver, CO 80202
303.444.1951

PROPOSAL REQUEST

PROJECT NAME: Eastern Corridor Utilities DATE: 04/10/2020
OWNER: Town of Lyons PR NUMBER: 08
CONTRACTOR: CGRS, Inc. JOB NO. 2686c

Submit an itemized proposal for changes in the Contract Sum/Time for proposed modification to the Contract Documents described herein. Submit proposal within ten days (10), or notify the Engineer in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, UNLESS it is signed and the final amount is approved by all parties.

The proposal is to request the addition of three bid items to the Contract. The contractor's bid and Section 01025 – measurement and Payment have been revised to reflect changes described in this proposal request and are attached for reference. Acceptance of this proposal will result in the addition of the following:

- Line Item 80, "DEMO OF EXISTING MANHOLE AND PIPE INSIDE MANHOLE" at a unit price to be determined per occurrence, to be used for 1 occurrence
- Line Item 81, "REROUTE FORCEMAIN AROUND MANHOLE" at a unit price to be determined per occurrence, to be used for 1 occurrence
- Line Item 82, "INSTALLATION OF NEW MANHOLE AND ASSOCIATED PIPING" at a unit price to be determined per occurrence, to be used for 1 occurrence

Please find the three attached documents for reference: "2686c – PR 8 Details", "CGRS Eastern Corridor Utilities – BID (Revised)", and "Section 01025 – Measurement and Payment (Revised)".

CONTRACTOR BLOCK

The work will affect the project as summarized below. Backup attached includes all costs of labor, materials, taxes, overhead, profit, time impact and all other changes and/or charges involved as required by the Contract Documents.

ADD/DEDUCT

+ \$25,300.00

CONTRACTOR TIME will be ☒ Increased ☐ Decreased ☐ Unchanged by _____ Days
documentation attached

CONTRACTOR'S SIGNATURE [Signature] DATE 4-24-2020

*This information shall be valid for thirty (30) calendar days from the date of signature.

REVIEW BLOCK

ENGINEER: [Signature] Approve ☒ Reject ☐
Signature

Amount	Time
\$25,300.00	<input type="checkbox"/>

Comments: _____

Date: 4-24-2020

OWNER: _____ Approve ☐ Reject ☐
Signature

Amount	Time
	<input type="checkbox"/>

Comments: _____

Date: _____

If the amt/time differ from the submitted, FINAL approval and signature from GC required below.

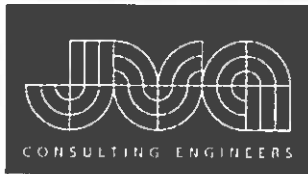
FINAL APPROVED PROPOSAL REQUEST

(if submitted values were changed during review)

CONTRACTOR: _____
DATE: _____

Amount	Time

If different than submitted



PROPOSAL REQUEST

Eastern Corridor Utilities

04/10/2020

Page 2 of 2

When signed by the Owner, Engineer, and the Final Amount/Time is approved by the General Contractor, this document becomes effective immediately as a Change Order, and the Contractor shall proceed with the change(s) herein.

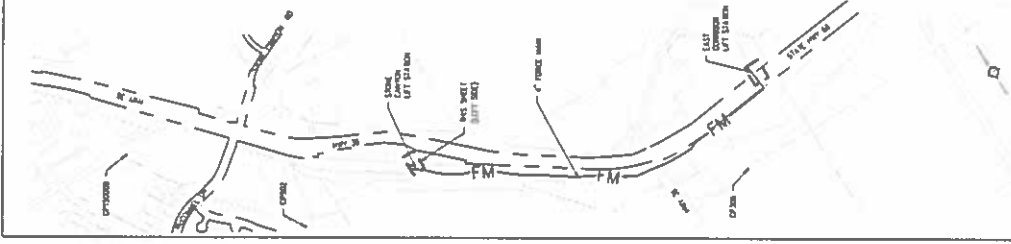
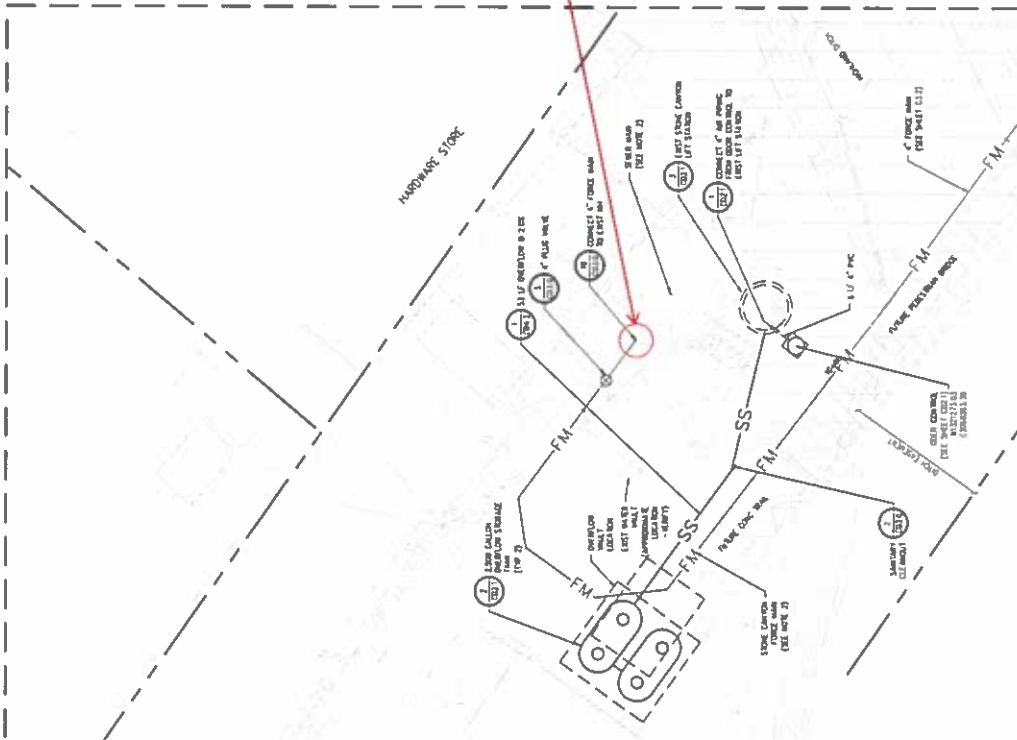


PHOTO OF EXISTING MACHINERY TO BE REPAIRED

**REROUTE EXISTING
FORCEMAIN TO GO
AROUND MANHOLE**

**EXISTING MANHOLE TO
BE DEMOLISHED AND
REPLACED**



STONE CANYON LIFT STATION SITE PLAN



Bid Tabulation - PR#8

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
PROPOSAL REQUEST #8 - ADDITIONAL BID ITEMS		Units	Qty	Unit Price	Total
080	DEMO OF EXISTING MANHOLE AND PIPE INSIDE MANHOLE	EA	1	\$6,000.00	\$6,000.00
081	REROUTE FORCEMAIN AROUND MANHOLE	EA	1	\$3,300.00	\$3,300.00
082	INSTALLATION OF NEW MANHOLE AND ASSOCIATED PIPING	EA	1	\$16,000.00	\$16,000.00
PROPOSAL REQUEST #8 TOTAL					\$25,300.00

Section 01025 – Measurement and Payment

ADDED WORK ITEMS – PR 8

Items 080-082 **DEMO AND REPLACEMENT OF EXISTING MANHOLE UPSTREAM
OF THE STONE CANYON LIFT STATION**

A. Measurement

The quantity to be paid for this item shall be for the completion of the works associated with the demo and replacement of the existing manhole immediately upstream of the Stone Canyon Lift Station, replacement of existing piping to and from the manhole, and relocation of existing force main around the manhole.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to demolish the existing manhole immediately upstream of the Stone Canyon Lift Station. The bid price shall include, but is not limited to, all necessary equipment, excavation, dewatering, treatment or hauling of water offsite, and backfill required to demolish the existing manhole and replace with a pre-cast manhole of the same dimensions. Work shall include demolition of existing pipes inside the manhole up to 4 ft from manhole penetrations, and in-kind replacement of existing pipes. The existing 4-inch forcemain should be modified so that it goes around the new manhole. No payment for additional work outside of the scope of increasing the capacity of the existing Stone Canyon Lift Station pumps unless directed and approved by the Engineer will be included in the amount computed for payment.

CHANGE ORDER

Project Title: **EASTERN CORRIDOR UTILITIES**

EDA Project No. 05-01-05734

Drawing No. N/A

Sheet No. N/A

Order No. 9
CGRS PR No. 9

1. Reason for change:

Miscellaneous Construction Items – Raising lid at PRV 7 & PRV 8, concrete encasement and repair existing waterline

2. Description of Change:

See attached narrative.

3. Change in Contract Cost:

☒ increase of \$ 7,615.00
☐ decrease of
☐ no change

4. Change in Contract Time:

☐ increase of
☐ decrease of
☒ no change

5. Contract Adjustment Summary:

Original Contract Sum: \$ 1,989,995.00

Previous Approved Changes: \$ -173,382.13

Adjusted Contract Sum: \$ 7,615.00

New Contract Sum: \$ 1,824,227.69

SUBMITTED:


Contractor


Date: 4-28-20

APPROVED:


Town Engineer

Date: 4-28-20

APPROVED:


Project Manager (for certain change orders per LMC)

Date: 4-28-20

APPROVED:

Finance Director (for certain change orders per LMC)

Date:

APPROVED:

Administrator (for certain change orders per LMC)

Date:

APPROVED:


Board of Trustees (for certain change orders per LMC)

Date: 5-7-20

CHANGE ORDER

Project Title: **EASTERN CORRIDOR UTILITIES**

EDA Project No. 05-01-05734

Drawing No. N/A

Sheet No. N/A

Order No. 9
CGRS PR No. 9

1. Reason for change:

Miscellaneous Construction Items -- Raising lid at PRV 7 & PRV 8, concrete encasement and repair existing waterline

2. Description of Change:

See attached narrative.

3. Change in Contract Cost:

☒ increase of \$ 7,615.00
☐ decrease of
☐ no change

4. Change in Contract Time:

☐ increase of
☐ decrease of
☒ no change

5. Contract Adjustment Summary:

Original Contract Sum: \$ 1,989,995.00

Previous Approved Changes: \$ -173,382.13

Adjusted Contract Sum: \$ 7,615.00

New Contract Sum: \$ 1,824,227.69

SUBMITTED: [Signature] Date: 4-28-20
Contractor

APPROVED: [Signature] Date: 4-28-20
Town Engineer

APPROVED: [Signature] Date: 4-28-20
Project Manager (for certain change orders per LMC)

APPROVED: [Signature] Date: 5-1-2020
Finance Director (for certain change orders per LMC)

APPROVED: [Signature] Date: 5-12-2020
Administrator (for certain change orders per LMC)

APPROVED: [Signature] Date:
Board of Trustees (for certain change orders per LMC)

CHANGE ORDER SUMMARY

Town Change Order #	CGRS PR #	Date of Request	Description	Change Order Amount	Previous Change Orders	Contract Sum	Status
						\$ 1,989,995.00	
1	1A	7/29/2019	Add - Excavate, clean & video existing 24" RCP & 27" steel lines	\$ 37,000.00	\$ -	\$ 2,026,995.00	Completed
2	2	7/12/2019	Add - PLC & Modem	\$ 5,016.81	\$ 37,000.00	\$ 2,032,011.81	Completed
3	4	8/22/2019	Add - Pressure Relief Valve in PRV #7	\$ 10,822.00	\$ 42,016.81	\$ 2,042,833.81	Completed
4	5	10/18/2019	Deduct - Wet Tap at PRV 6 & 8	\$ (2,000.00)	\$ 52,838.81	\$ 2,040,833.81	Completed
5	6	10/18/2019	Add - Pressure Relief Valve in PRV 6 & 8	\$ 15,936.00	\$ 50,838.81	\$ 2,056,769.81	Completed
6	3A	11/7/2019	Add / Deduct - Add HDD, Reduce Open Trench, Remove Ramming, Add Tunnel Engineering, Add 24" RCP sleeving, Add 24" HDD Flowfill	\$ (272,493.12)	\$ 66,774.81	\$ 1,784,276.69	Completed
7	7	11/11/2019	Add - Stone Canyon LS Pump Sheaving & Motor Replacement	\$ 7,036.00	\$ (205,718.31)	\$ 1,791,312.69	In Progress
8	8	3/16/2020	Add - Stone Canyon LS Manhole Replacement	\$ 25,300.00	\$ (198,682.31)	\$ 1,816,612.69	In Progress
9	9	4/24/2020	Add - Misc Const Items	\$ 7,615.00	\$ (173,382.31)	\$ 1,824,227.69	In Progress

COST REASONABLENESS JUSTIFICATION

JVA has reviewed this PR and finds it necessary to add the miscellaneous construction items – raising lid at PRV 7 & PRV 8, concrete encasement and repair existing waterline. The costs for this PR are reasonable and comparable based on historical costs for this type of material and labor.



www.jvajva.com

☒ Boulder

1319 Spruce Street
Boulder, CO 80302
303.444.1951

☐ Fort Collins

25 Old Town Square
Suite 200
Fort Collins, CO 80524
970.225.9099

☐ Winter Park

PO Box 1860
47 Cooper Creek Way
Suite 328
Winter Park, CO 80482
970.722.7677

☐ Glenwood Springs

214 8th Street
Suite 210
Glenwood Springs, CO
81601
970.404.3100

☐ Denver

1512 Larimer Street
Suite 710
Denver, CO 80202
303.444.1951

PROPOSAL REQUEST

PROJECT NAME: Eastern Corridor Utilities

DATE: 04/24/2020

OWNER: Town of Lyons

PR NUMBER: 09

CONTRACTOR: CGRS, Inc.

JOB NO. 2686c

Submit an itemized proposal for changes in the Contract Sum/Time for proposed modification to the Contract Documents described herein. Submit proposal within ten days (10), or notify the Engineer in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, UNLESS it is signed and the final amount is approved by all parties.

The proposal is to request the addition of eight bid items to the Contract. The contractor's bid and Section 01025 - measurement and Payment have been revised to reflect changes described in this proposal request and are attached for reference. Acceptance of this proposal will result in the addition of the following:

- Line Item 83, "ADDITIONAL STEPS AND VENT PIPES IN PRV VAULTS 7 AND 8" at a unit price to be determined per occurrence, to be used for 1 occurrence.
- Line Item 84, "INSTALLATION OF ADDITIONAL STEPS IN PRV VAULTS 7 AND 8" at a unit price to be determined per occurrence, to be used for 1 occurrence.
- Line Item 85, "INCREASE WALL HEIGHT FOR PRV 7 AND 8 - CAST IN PLACE CONCRETE" at a unit price to be determined per occurrence, to be used for 1 occurrence.
- Line Item 86, "CONCRETE ENCASEMENT AT STA 14+40" at a unit price to be determined per cubic yard, to be used for 5 cubic yards.
- Line Item 87, "LABOR FOR CONCRETE ENCASEMENT AT STA 14+40a" at a unit labor price to be determined per hour, to be used for 2 hours.
- Line Item 88, "LABOR TO ASSIST TOWN WITH DAMAGED WATER SERVICE" at a unit labor price to be determined per hour, to be used for 4 hours.
- Line Item 89, "IMPORTED BEDDING FOR BACKFILL OF AREA OF DAMAGED WATER SERVICE" at a unit price to be determined per cubic yard, to be used for 5 cubic yards.
- Line Item 90, "EXCAVATION AND HAULING FOR UNSUITABLE SOIL IN THE AREA OF DAMAGED WATER SERVICE" at a unit price to be determined per cubic yard, to be used for 3 cubic yards.

Please find the three attached documents for reference: "2686c - PR 9 Details", "CGRS Eastern Corridor Utilities - BID (Revised)", and "Section 01025 - Measurement and Payment (Revised)".

CONTRACTOR BLOCK

The work will affect the project as summarized below. Backup attached includes all costs of labor, materials, taxes, overhead, profit, time impact and all other changes and/or charges involved as required by the Contract Documents.

ADD/DEDUCT \$7,615.00

CONTRACTOR TIME will be ☒ Increased ☐ Decreased ☐ Unchanged by Days

CONTRACTOR'S SIGNATURE [Signature]

documentation attached

DATE

4/27/2020

*This information shall be valid for thirty (30) calendar days from the date of signature.

REVIEW BLOCK

ENGINEER: [Signature]

Signature

Approve

☒

Reject

☐

Amount

\$7,615

Time

☐

Comments:

Date:

OWNER:

Approve

☐

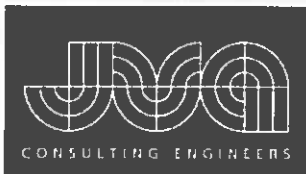
Reject

☐

Amount

Time

☐



PROPOSAL REQUEST

Eastern Corridor Utilities

04/24/2020

Page 2 of 2

Signature _____

Comments: _____

Date: _____

If the amt/time differ from the
submitted, FINAL approval and
signature from GC required below.

FINAL APPROVED PROPOSAL REQUEST

(if submitted values were changed during review)

CONTRACTOR: _____

DATE: _____

Amount	Time

If different than submitted

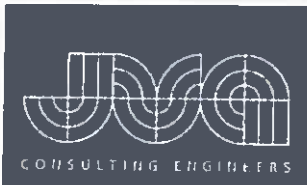
When signed by the Owner, Engineer, and the Final Amount/Time is approved by the General Contractor, this document becomes effective immediately as a Change Order, and the Contractor shall proceed with the change(s) herein.



Bid Tabulation - PR#9

Town of Lyons
Eastern Corridor Utilities Project

Item #	Description	Units	Qty	Unit Price	Total
PROPOSAL REQUEST #9 - ADDITIONAL BID ITEMS		Units	Qty	Unit Price	Total
083	ADDITIONAL STEPS AND VENT PIPES IN PRV VAULTS 7 AND 8	EA	1	\$175.00	\$175.00
084	INSTALLATION OF ADDITIONAL STEPS IN PRV VAULTS 7 AND 8	EA	1	\$600.00	\$600.00
085	INCREASE WALL HEIGHT FOR PRV 6 AND 8 - CAST IN PLACE CONCRETE	EA	1	\$3,225.00	\$3,225.00
086	CONCRETE ENCASEMENT AT STA 14+40	CY	5	\$200.00	\$1,000.00
087	LABOR FOR CONCRETE ENCASEMENT AT STA 14+40	HRS	2	\$325.00	\$650.00
088	LABOR TO ASSIST TOWN WITH DAMAGED WATER SERVICE	HRS	4	\$325.00	\$1,300.00
089	IMPORTED BEDDING FOR BACKFILL OF AREA OF DAMAGED WATER SERVICE	CY	5	\$25.00	\$125.00
090	EXCAVATION AND HAULING FOR UNSUITABLE SOIL IN THE AREA OF DAMAGED WATER SERVICE	CY	3	\$180.00	\$540.00
PROPOSAL REQUEST #9 TOTAL					\$7,615.00



www.jvajva.com

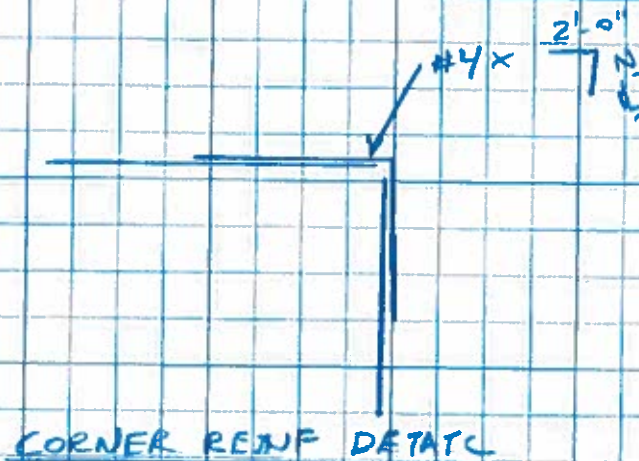
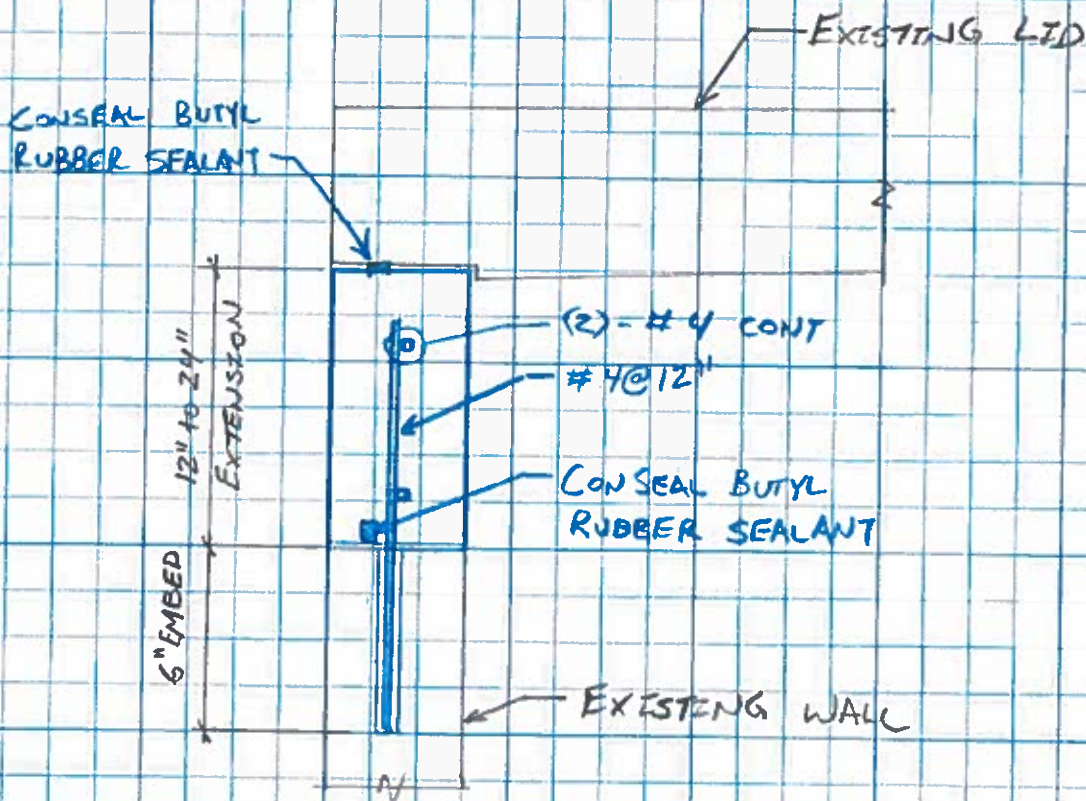
<input type="checkbox"/> Boulder, CO	303.444.1951
<input type="checkbox"/> Fort Collins, CO	970.225.9099
<input type="checkbox"/> Winter Park, CO	970.722.7677
<input type="checkbox"/> Glenwood Springs, CO	970.404.3100
<input type="checkbox"/> Denver, CO	303.444.1951

Date: 1/14/20 Page: 1 of 1
By: AS1 Chkd By: _____
Job No: 26864
Project: LYONS EASTERN CORR
Client: _____

☐ Preliminary

☐ Final

USE THIS DETAIL TO RAISE THE WALLS OF PRV VAULTS 7 AND 8





DATE: 10/1/2010
BY: [Signature]
CHECKED BY: [Signature]
PROJECT: [Project Name]

NO. DATE / DESIG. / DRAW. /

REVISIONS TO DESCRIPTION

1. [Revision Description]

2. [Revision Description]

3. [Revision Description]

4. [Revision Description]

5. [Revision Description]

6. [Revision Description]

7. [Revision Description]

8. [Revision Description]

9. [Revision Description]

10. [Revision Description]

11. [Revision Description]

12. [Revision Description]

13. [Revision Description]

14. [Revision Description]

15. [Revision Description]

16. [Revision Description]

17. [Revision Description]

18. [Revision Description]

19. [Revision Description]

20. [Revision Description]

21. [Revision Description]

22. [Revision Description]

23. [Revision Description]

24. [Revision Description]

25. [Revision Description]

26. [Revision Description]

27. [Revision Description]

28. [Revision Description]

29. [Revision Description]

30. [Revision Description]

31. [Revision Description]

32. [Revision Description]

33. [Revision Description]

34. [Revision Description]

35. [Revision Description]

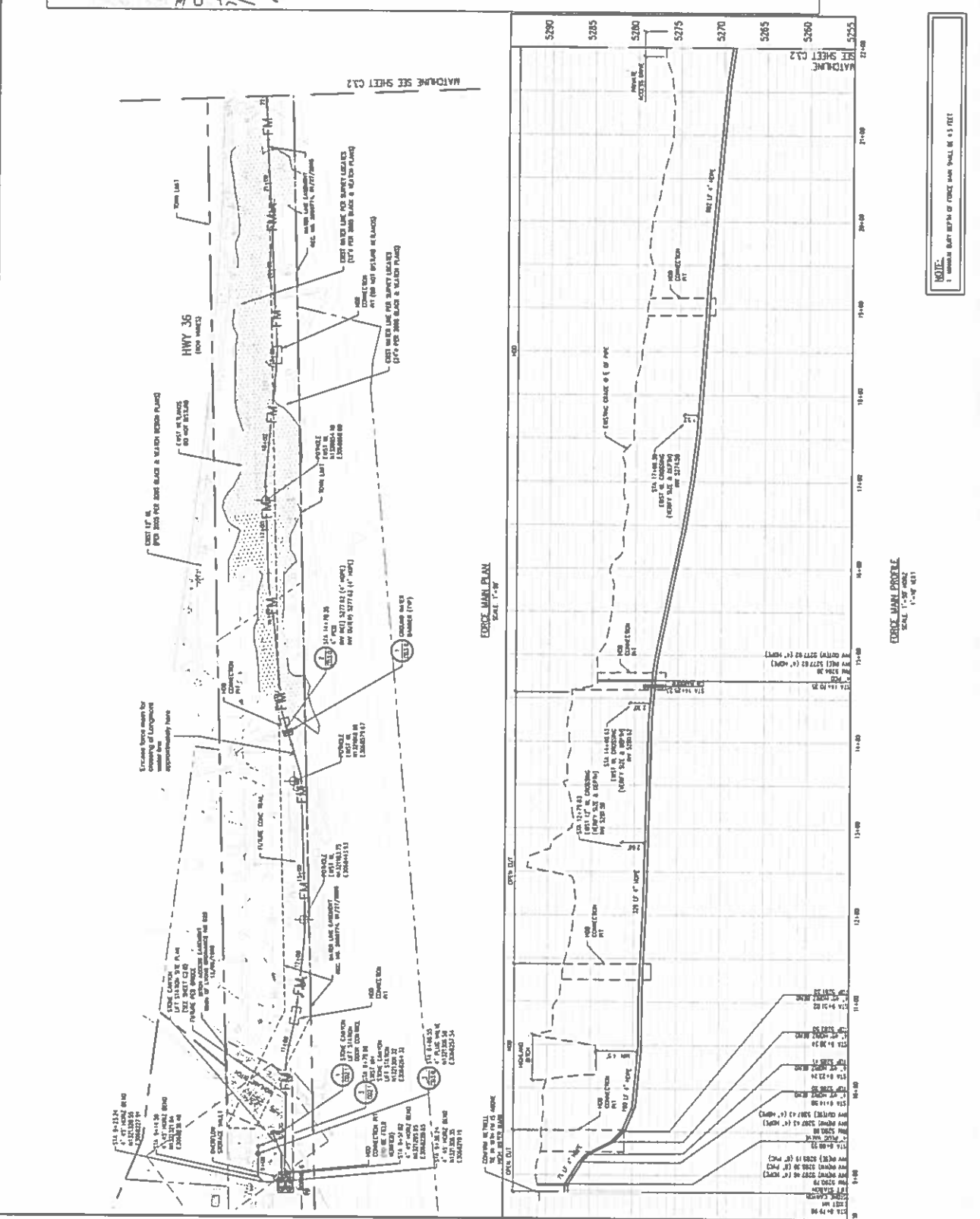
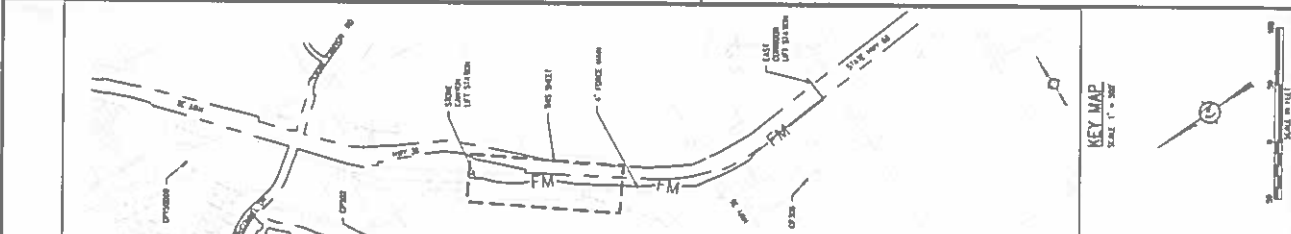
36. [Revision Description]

37. [Revision Description]

38. [Revision Description]

39. [Revision Description]

40. [Revision Description]



NOTE:
1. MINIMUM BURY DEPTH OF FORCE MAIN SHALL BE 4.5 FEET

FORCE MAIN PROFILE
SCALE: 1"=40' HORIZ
1"=4' VERT



Section 01025 – Measurement and Payment

ADDED WORK ITEMS – PR 8

**Items 081-083 DEMO AND REPLACEMENT OF EXISTING MANHOLE UPSTREAM
OF THE STONE CANYON LIFT STATION**

A. Measurement

The quantity to be paid for this item shall be for the completion of the works associated with the demo and replacement of the existing manhole immediately upstream of the Stone Canyon Lift Station, replacement of existing piping to and from the manhole, and relocation of existing force main around the manhole.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to demolish the existing manhole immediately upstream of the Stone Canyon Lift Station. The bid price shall include, but is not limited to, all necessary equipment, excavation, dewatering, treatment or hauling of water offsite, and backfill required to demolish the existing manhole and replace with a pre-cast manhole of the same dimensions. Work shall include demolition of existing pipes inside the manhole up to 4 ft from manhole penetrations, and in-kind replacement of existing pipes. The existing 4-inch forcemain should be modified so that it goes around the new manhole. No payment for additional work outside of the scope of replacing the manhole upstream of the Stone Canyon Lift Station unless directed and approved by the Engineer will be included in the amount computed for payment.

ADDED WORK ITEMS – PR 9

**Items 083-085 INCREASE WALL HEIGHT OF PRV VAULTS 7 AND 8, AND
ASSOCIATED WORKS**

A. Measurement

The quantity to be paid for this item shall be for the completion of the works associated with the increase of the wall height for PRV vaults 7 and 8.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to extend the height of the walls for PRV vaults 7 and 8 sufficiently to bring the lid of the vaults to grade. The bid price shall include, but is not limited to, all necessary equipment, excavation, backfill, labor, and materials required to extend the vault walls up to allow the lid to sit at grade, with cast in place concrete. Work shall include formwork, rebar, sealant, and demo of existing walls. No payment for additional work outside of the scope of increasing the vault heights unless directed and approved by the Engineer will be included in the amount computed for payment.

**Items 086- 087 CONCRETE ENCASEMENT AT WATERLINE CROSSING AT
APPROXIMATELY STA 14+40 AND ASSOCIATED WORKS**

Section 01025 – Measurement and Payment

A. Measurement

The quantity to be paid for this item shall be for the completion of the works associated with the concrete encasement at STA 14+40 where the 4 inch forcemain crosses an existing Longmont waterline.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to encase the 4 inch forcemain in concrete for at least 10 ft on either side of the Longmont waterline crossing near STA 14+40. The bid price shall include, but is not limited to, all necessary equipment, excavation, dewatering and associated discharge requirements, backfill, labor, and materials required to encase the forcemain in concrete on 10ft of either side of the waterline crossing. No payment for additional work outside of the scope of the encasement unless directed and approved by the Engineer will be included in the amount computed for payment.

Items 088- 090 REPAIR DAMAGED WATER SERVICE NEAR THE STONE CANYON LIFT STATION

A. Measurement

The quantity to be paid for this item shall be for the completion of the works associated with the repair of the damage water service near the Stone Canyon Lift Station.

B. Payment

The unit bid price shall include, but is not limited to, all labor, materials, equipment, and transportation needed to repair the waterline service that was damaged during construction near the Stone Canyon Lift Station. The bid price shall include, but is not limited to, all necessary equipment, excavation, dewatering and associated discharge requirements, backfill, labor, piping, and other materials required to repair the water service that was damaged during construction. No payment for additional work outside of the scope of the waterline repair unless directed and approved by the Engineer will be included in the amount computed for payment.