

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 4

1. CONTRACTOR: James Construction Group, LLC
2. Change Order Work Limits: Sta. 200+50 to Sta. 205+25
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 2G, 4B (3 Max. - In order of importance - Primary first)

Project:	<u>22IFB57</u>
Roadway:	<u>CR 401</u> <u>Reconstruction</u>
CSJ Number:	<u> </u>

5. Describe the work being revised:

2G. Differing in site conditions. Unadjusted Utility (Unforeseeable) This Change Order adds new items to the Contract to adjust the existing 16in City of Taylor water line on the north side of US 79 which is in conflict with the proposed pavement and ditch cuts. **4B. Third Party Requested Work.** An additional 6in line and fire hydrant assembly are being added at the request of the City of Taylor.

6. Work to be performed in accordance with Items: See attached.
7. New or revised plan sheet(s) are attached and numbered: GW-01, W-07, W-07A, W-07B
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. THE CONTRACTOR Date <u>12-30-20</u> By <u>[Signature]</u> Typed/Printed Name <u>Joey Williams</u> Typed/Printed Title <u>Division Manager</u>	The following information must be provided Time Ext. #: <u>N/A</u> Days added on this CO: <u>0</u> Amount added by this change order: <u>\$188,826.95</u>
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RECOMMENDED FOR EXECUTION:

[Signature] 1/3/23
Project Manager Date

[Signature] 1/04/2023
Project Manager Date

[Signature] 01/06/23
Recommended for Approval - HDR Engineering Date

B. LaBorde 2/13/23
City of Taylor - Brian LaBorde, City Manager Date

Christen Eschberger 2/14/2023
Program Manager Date

County Commissioner Precinct 1		Date
☐ APPROVED	☐ REQUEST APPROVAL	
County Commissioner Precinct 2		Date
☐ APPROVED	☐ REQUEST APPROVAL	
County Commissioner Precinct 3		Date
☐ APPROVED	☐ REQUEST APPROVAL	
County Commissioner Precinct 4		Date
☐ APPROVED	☐ REQUEST APPROVAL	
County Judge		Date
☐ APPROVED		

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 4

Project # 22IFB57

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
WC 40 05 00	CONNECTING TO EXISING SYSTEM	EA	\$14,052.08	0.00	\$0.00	1.00	1.00	\$14,052.08	\$14,052.08
WC 31 23 33	TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS (ALL DEPTHS)	LF	\$0.35	6,398.00	\$2,239.30	7.00	6,405.00	\$2,241.75	\$2.45
WC 40 05 19	PIPE, 18-IN DIAMETER PVC, (ALL DEPTHS), INCLUDING EXCAVATION AND EMBANKMENT	LF	\$132.79	6,222.00	\$826,219.38	138.00	6,360.00	\$844,544.40	\$18,325.02
WC 40 05 19	PIPE, 16-IN DIAMETER PVC, (ALL DEPTHS), INCLUDING EXCAVATION AND EMBANKMENT	LF	\$136.49	54.00	\$7,370.46	(54.00)	0.00	\$0.00	(\$7,370.46)
WC 40 05 19	PIPE, 12-IN DIAMETER PVC, (ALL DEPTHS), INCLUDING EXCAVATION AND EMBANKMENT	LF	\$127.80	122.00	\$15,591.60	(7.00)	115.00	\$14,697.00	(\$894.60)
WC 40 05 19	DUCTILE IRON FITTINGS	LB	\$9.80	17,500.00	\$171,500.00	3,550.00	21,050.00	\$206,290.00	\$34,790.00
WC 40 05 61	18IN GATE VALVES	EA	\$32,075.53	0.00	\$0.00	2.00	2.00	\$64,151.06	\$64,151.06
WC 40 05 61	16IN GATE VALVES	EA	\$8,989.47	2.00	\$17,978.94	(2.00)	0.00	\$0.00	(\$17,978.94)
DETAIL UT018/W- 13	FIRE HYDRANT ASSEMBLY	EA	\$5,762.26	4.00	\$23,049.04	1.00	5.00	\$28,811.30	\$5,762.26
WC 33 05 07	JACKING OR BORING, 36-IN	LF	\$587.43	0.00	\$0.00	10.00	10.00	\$5,874.30	\$5,874.30
WC 33 05 23	ENCASEMENT PIPE 36-IN, TYPE STEEL	LF	\$596.72	0.00	\$0.00	10.00	10.00	\$5,967.20	\$5,967.20
DETAIL UT019/W- 13	FLUSHING VALVE ASSEMBLY	EA	\$8,283.85	1.00	\$8,283.85	1.00	2.00	\$16,567.70	\$8,283.85
COT-WC02	18IN CONCRETE ENCASEMENT	CY	\$208.59	0.00	\$0.00	24.00	24.00	\$5,006.16	\$5,006.16
COT-WC03	6IN PVC PIPE	LF	\$115.00	0.00	\$0.00	160.00	160.00	\$18,400.00	\$18,400.00
COT-WC04	16IN JACKING OR BORING	LF	\$325.87	0.00	\$0.00	100.00	100.00	\$32,587.00	\$32,587.00
COT-WC05	1% BOND MARK UP	DOL	\$1.00	0.00	\$0.00	1,869.57	1,869.57	\$1,869.57	\$1,869.57
TOTALS					\$1,072,232.57			\$1,261,059.52	\$188,826.95

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

CR 401 Reconstruction Williamson County Project No. 22IFB57

Change Order No. 4 Reason for Change

This Change Order revises and adds additional items to the Contract for the adjustments needed to the City of Taylor water line on the north side of US 79 that conflicts with the proposed roadway and ditch cuts. This line is also being upsized to stay consistent with the proposed water line on CR 401.

This Change Order also addresses the need for an additional fire hydrant requested by the City of Taylor on the southeast side of US 79 and proposed CR 401.

The following new items will be added by this Change Order.

ITEM	DESCRIPTION	QUANTITY	UNIT
WC 40 05 00	CONNECTING TO EXISTING SYSTEM	1	EA
WC 40 05 19	DUCTILE IRON FITTINGS	3,550.00	LB
WC 40 05 61	18IN GATE VALVES	2	EA
WC 33 05 07	JACKING OR BORING, 36 IN	10	LF
WC 33 05 23	ENCASEMENT PIPE 36 IN, TYPE STEEL	10	LF
COT-WC02	18 IN CONCRETE ENCASEMENT	24.00	CY
COT-WC03	6 IN PVC PIPE	160.00	LF
COT-WC04	16 IN JACKING AND BORING	100.00	LF
COT-WC05	1% BOND MARK UP	1,869.57	DOL

This Change Order results in an increase of \$188,826.95 to the Contract amount, for an adjusted Contract total of \$13,504,094.78. The original Contract amount was \$12,673,200.94. As a result of this and all Change Orders to-date, \$830,893.84 has been added to the Contract, resulting in a 6.56% net increase to the overall Contract cost.

HNTB Corporation

Oscar Salazar-Bueno, P.E.

SUMMARY OF WATERLINE QUANTITIES																		
LOCATION	32 12 16	40 05 61	40 05 61	40 05 61	33 05 07	33 05 23	31 23 33	31 23 33 33 11 13 40 05 19	31 23 33 33 11 13 40 05 19	31 23 33 33 11 13 40 05 19	40 05 19	DETAIL 15 W-11	DETAIL UT019 W-13	DETAIL 16 W-12	DETAIL UT018 W-13	40 05 52	40 05 00	W-14 - W-17
	CUT & RESTORING PAV	VALVES, GATE TYPE, 18IN DIA	VALVES, GATE TYPE, 16IN DIA	VALVES, GATE TYPE, 12IN DIA	JACKING OR BORING 36IN	ENCASEMENT PIPE 36IN., TYPE STEEL	TRENCH EXCAVATION SAFETY PROTECTIVE SYSTEMS (ALL DEPTHS)	PIPE, 18IN DIA DUCTILE IRON PIPE, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	PIPE, 16IN DIA DUCTILE IRON OR PVC PIPE, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	PIPE, 12IN DIA DUCTILE IRON OR PVC PIPE, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	DUCTILE IRON FITTINGS	BLOW-OFF VALVE ASSEMBLY	FLUSHING VALVE ASSEMBLY	VENT PIPE ASSEMBLY	FIRE HYDRANT ASSEMBLY	3IN AIR/VACUUM RELEASE VALVE ASSEMBLY	CONNECT TO EXISTING SYSTEM	METER AND BACKFLOW PREVENTION STATION
	SY	EA	EA	EA	LF	LF	LF	LF	LF	LF	LB	EA	EA	EA	EA	EA	EA	LS
WATERLINE PLAN AND PROFILE SHEETS																		
1 of 7	6	1	-	-	-	-	220	220	-	-	2,500	-	-	-	-	-	-	1
2 of 7	22	2	-	-	-	-	1,010	1,010	-	-	2,500	-	-	-	-	-	1	-
3 of 7	27	-	-	-	-	-	1,000	1,000	-	-	2,500	-	-	-	1	1	-	-
4 of 7	10	-	-	-	-	-	1,000	1,000	-	-	2,500	-	-	-	-	-	-	-
5 of 7	-	1	-	-	560	560	1,000	1,000	-	-	2,500	1	-	2	2	-	-	-
6 of 7	-	-	-	-	-	-	1,000	1,000	-	-	2,500	-	-	-	-	-	-	-
7 of 7	-	1	-	-	230	230	807	877	-	-	1,000	1	-	-	1	1	-	-
18IN WATERLINE RELOCATION PLAN AND PROFILE SHEET - (12IN WATERLINE ONLY)	-	-	-	1	-	-	173	58	-	115	3,350	-	1	-	1	1	1	-
PROJECT TOTAL	65	5	-	1	790	790	6,210	6,165	-	115	19,350	2	1	2	5	3	2	1

1

		CHANGE ORDER NO. 1		GLP
1	7/29/22	REVISION		APPROVED
NO.	DATE			



WILLIAMSON
COUNTY
1848



HDR ENGINEERING, INC.
710 HESTERS CROSSING, SUITE 150
ROUND ROCK, TEXAS 78681
TEXAS REGISTERED ENGINEERING FIRM F-754



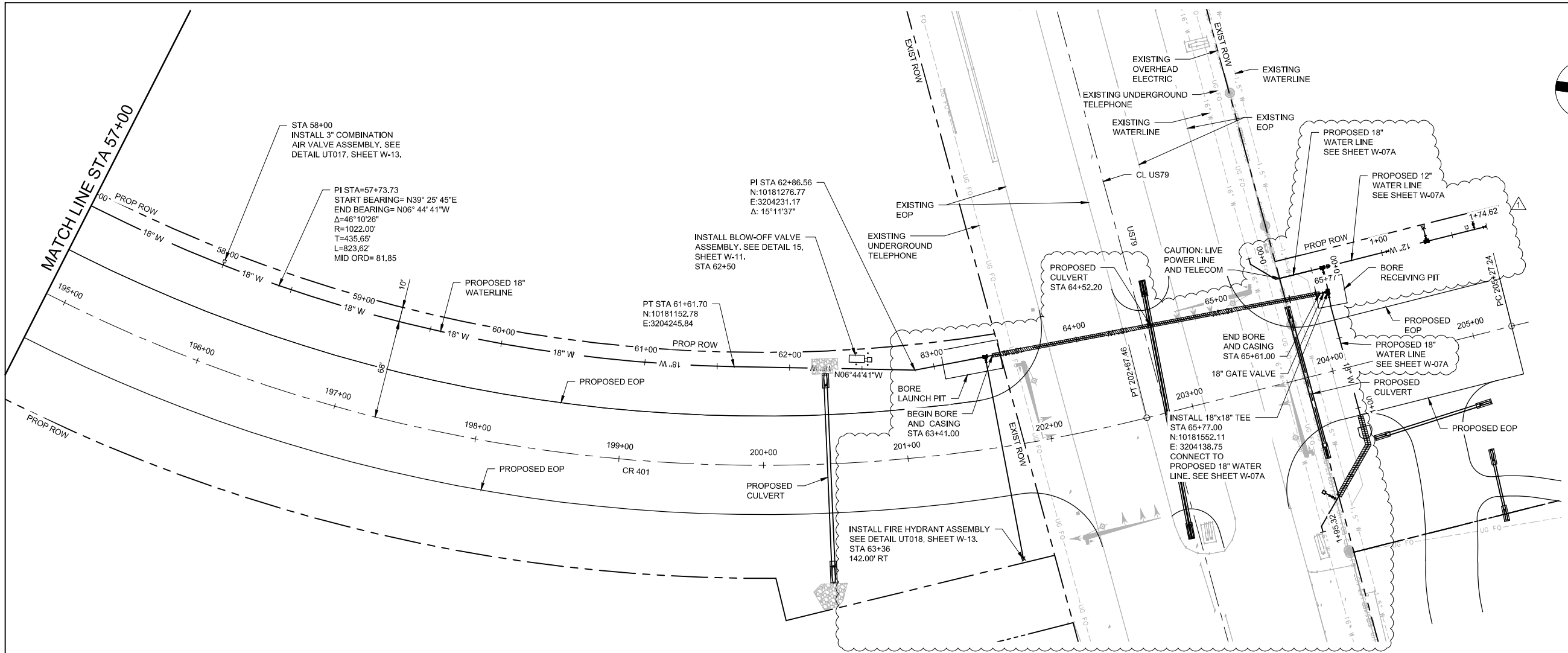
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COUNTY ROAD 401

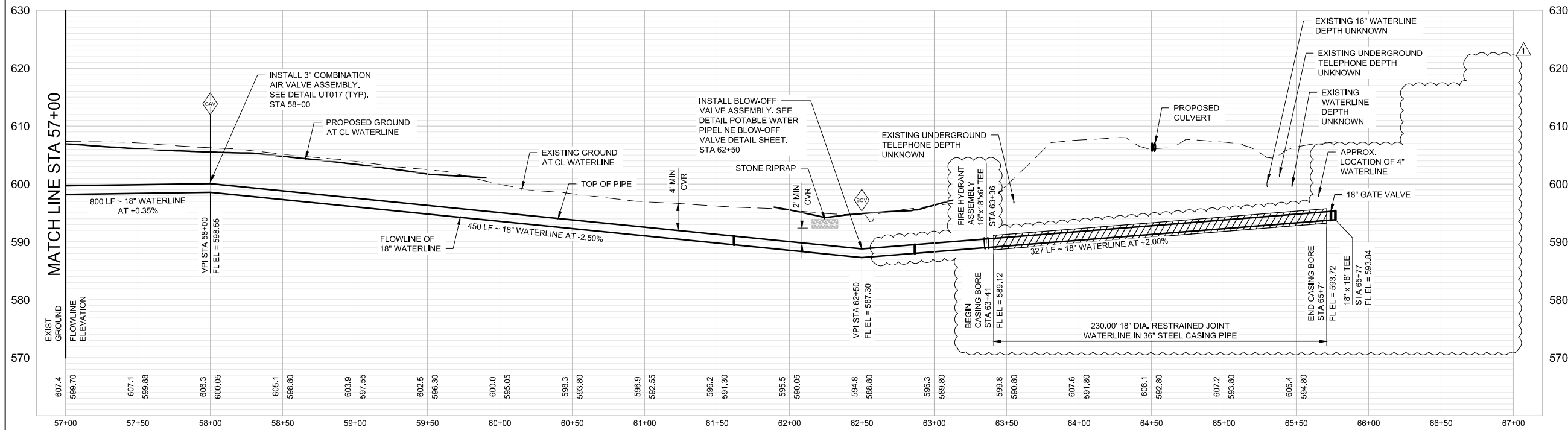
WATER - PHASE 2
TRANSMISSION MAIN
SUMMARY OF QUANTITIES

SHEET 1 OF 1

FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			GW-01
STATE	DISTRICT	COUNTY	
TEXAS		WILLIAMSON	
CONTROL	SECTION	JOB	HIGHWAY NO.
			CR 401



PLAN



PROFILE

H: 0 20 40 60 80
V: 0 5 10 15 20

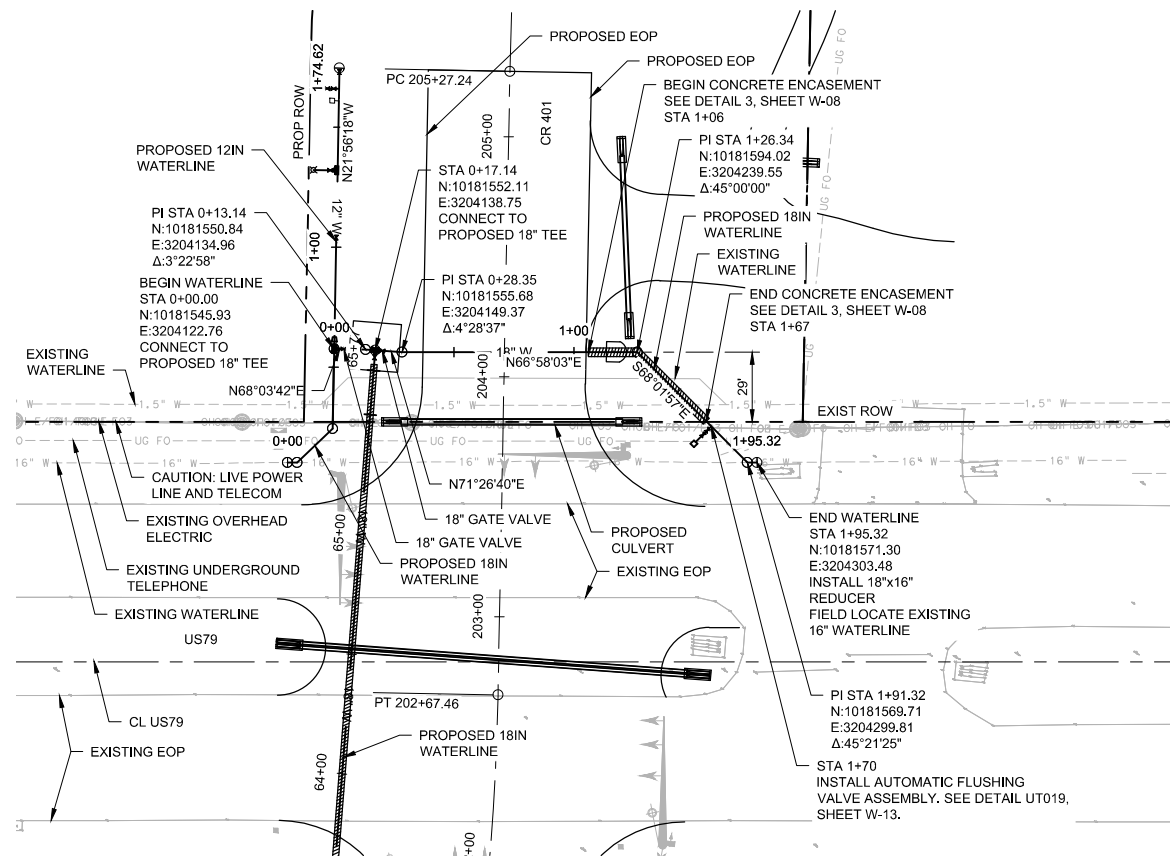


NOTES:

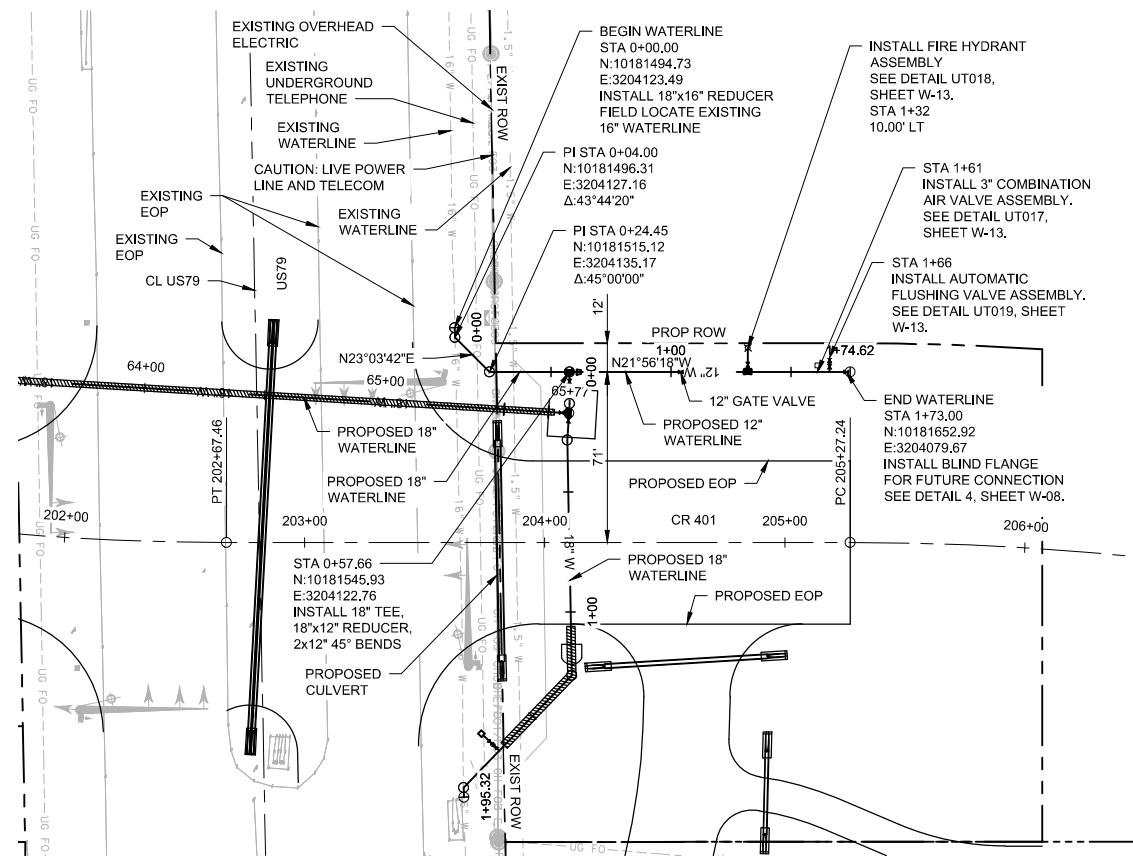
1. SURVEY SHOWN IS BASED ON CITY'S 2017 LIDAR SURVEY. THE ROW AND LOT LINE INFORMATION IS BASED ON GIS DATA OBTAINED FROM WILLIAMSON COUNTY APPRAISAL DISTRICT.
2. CONCRETE THRUST BLOCK REQUIRED AT ALL BENDS, TEES, AND REDUCERS. SEE DETAIL UT015.
3. ALL MECHANICAL JOINT BENDS, TEES, AND REDUCERS WHICH REQUIRE BLOCKING SHALL BE ADDITIONALLY RESTRAINED WITH EBAA MEGALUG RETAINER GLAND OR APPROVED EQUAL.
4. INSTALL RESTRAINED JOINT ON BOTH SIDES OF GATE VALVE. TYPICAL FOR ALL GATE VALVES.
5. FIRE HYDRANT LEADS SHALL BE DUCTILE IRON, CLASS 350 AND INSTALLED PER CITY OF TAYLOR STANDARD SPECIFICATIONS AND DETAILS.
6. THE LOCATION AND ELEVATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND ALL EXISTING UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITIES BEFORE STARTING WORK AND SHALL NOTIFY THE ENGINEER OF CONFLICTS WITH THE IMPROVEMENTS.



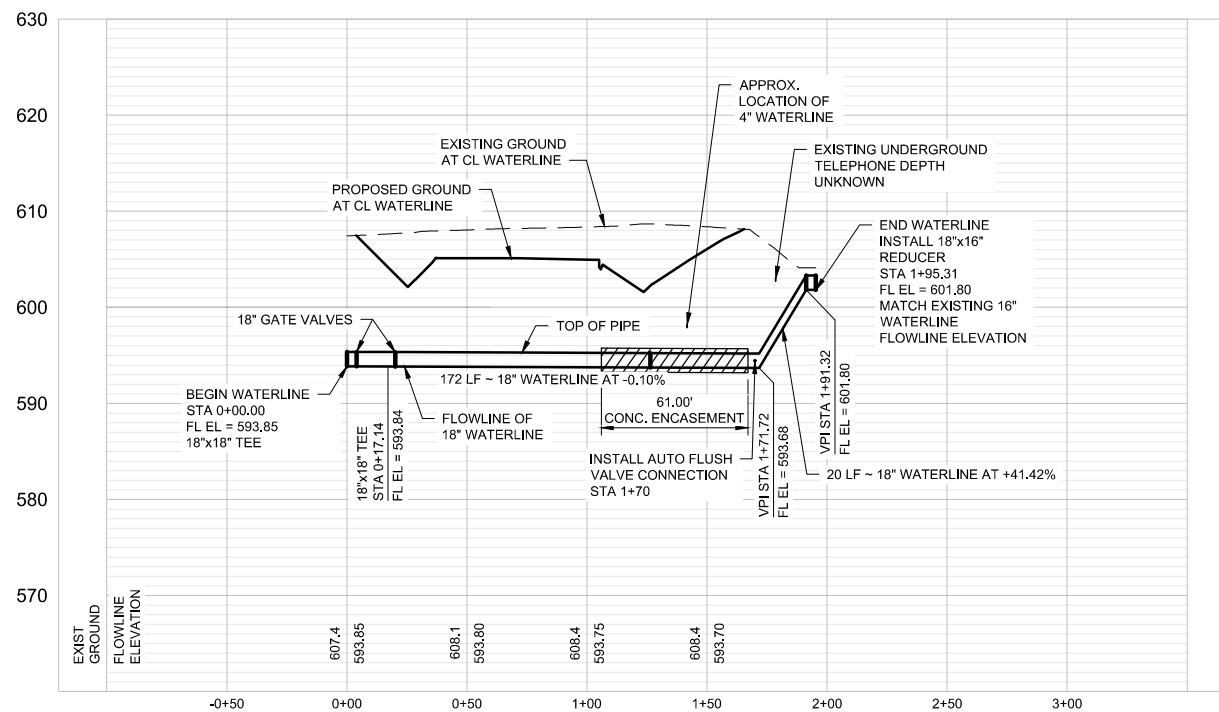
1	7/29/22	CHANGE ORDER NO. 1		GLP
NO.	DATE	REVISION		APPROVED
				
 HDR ENGINEERING, INC. 710 HESTERS CROSSING, SUITE 150 ROUND ROCK, TEXAS 78681 TEXAS REGISTERED ENGINEERING FIRM F-754				
 TEXAS DEPARTMENT OF TRANSPORTATION © 2021 by Texas Department of Transportation; all rights reserved				
COUNTY ROAD 401				
WATER - PHASE 2 TRANSMISSION MAIN PLAN AND PROFILE STA 57+00 TO END				
SHEET 7 OF 7				
FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.			SHEET NO.
6				W-07
STATE	DISTRICT	COUNTY		
TEXAS		WILLIAMSON		
CONTROL	SECTION	JOB		HIGHWAY NO.
				CR 401



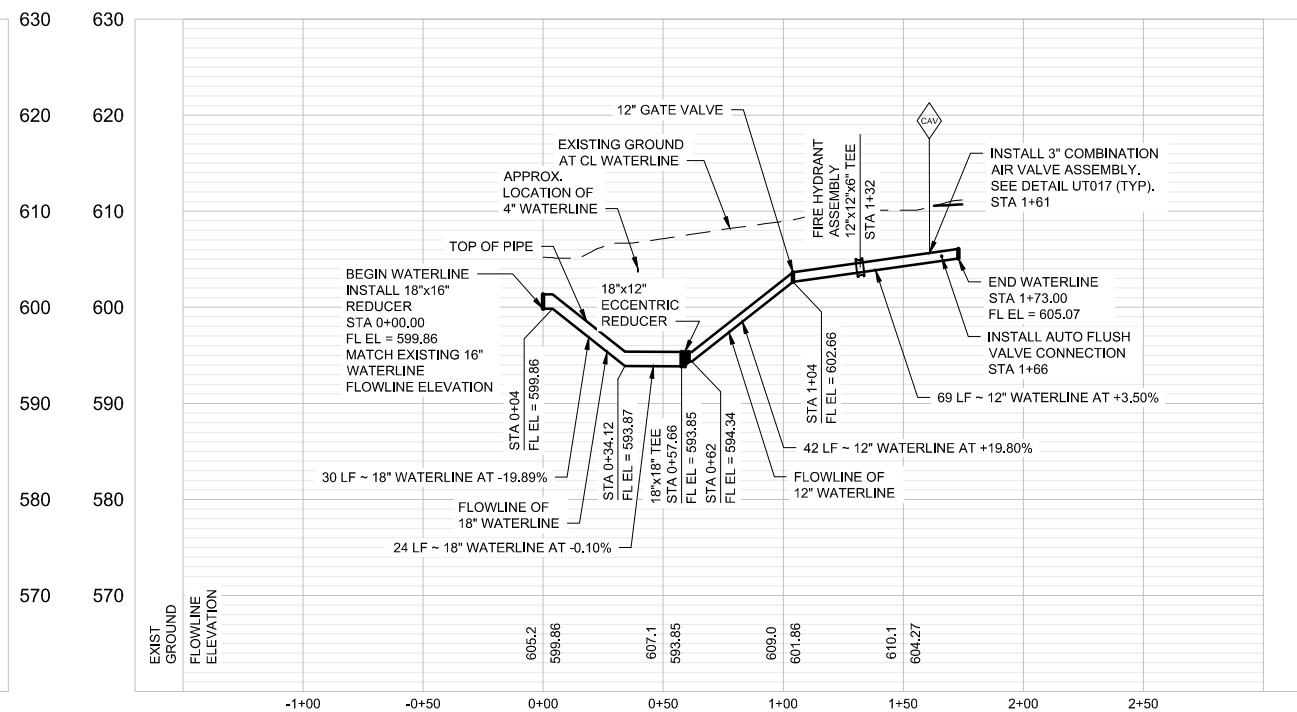
PLAN - 18IN WATERLINE RELOCATION



PLAN - 12IN WATERLINE



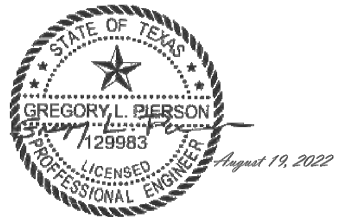
PROFILE - 18IN WATERLINE RELOCATION



PROFILE - 12IN WATERLINE

NOTES:

1. SURVEY SHOWN IS BASED ON CITY'S 2017 LIDAR SURVEY. THE ROW AND LOT LINE INFORMATION IS BASED ON GIS DATA OBTAINED FROM WILLIAMSON COUNTY APPRAISAL DISTRICT.
2. CONCRETE THRUST BLOCK REQUIRED AT ALL BENDS, TEES, AND REDUCERS. SEE DETAIL UT015.
3. ALL MECHANICAL JOINT BENDS, TEES, AND REDUCERS WHICH REQUIRE BLOCKING SHALL BE ADDITIONALLY RESTRAINED WITH EBAA MEGALUG RETAINER GLAND OR APPROVED EQUAL.
4. INSTALL RESTRAINED JOINT ON BOTH SIDES OF GATE VALVE. TYPICAL FOR ALL GATE VALVES.
5. FIRE HYDRANT LEADS SHALL BE DUCTILE IRON, CLASS 350 AND INSTALLED PER CITY OF TAYLOR STANDARD SPECIFICATIONS AND DETAILS.
6. THE LOCATION AND ELEVATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND ALL EXISTING UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITIES BEFORE STARTING WORK AND SHALL NOTIFY THE ENGINEER OF CONFLICTS WITH THE IMPROVEMENTS.



NO.	DATE	CHANGE ORDER NO. 1	GLP
1	7/29/22	REVISION	APPROVED



WILLIAMSON COUNTY
1848



HDR ENGINEERING, INC.
710 HESTERS CROSSING, SUITE 150
ROUND ROCK, TEXAS 78681
TEXAS REGISTERED ENGINEERING FIRM F-754



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COUNTY ROAD 401

WATER - PHASE 2
18IN WATERLINE RELOCATION
PLAN AND PROFILE

SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6		W-07A
STATE	DISTRICT	COUNTY
TEXAS		WILLIAMSON
CONTROL	SECTION	JOB
		HIGHWAY NO.
		CR 401

SUMMARY OF WATERLINE QUANTITIES							
LOCATION	40 05 61	31 23 33	31 23 33	31 23 33 33 11 13 40 05 19	40 05 19	DETAIL UT019 W-13	40 05 00
	VALVES, GATE TYPE, 18IN DIA	CONCRETE ENCASEMENT OF 18" WATERLINE, 6" THICKNESS	TRENCH EXCAVATION SAFETY PROTECTIVE SYSTEMS (ALL DEPTHS)	PIPE, 18IN DIA DUCTILE IRON PIPE, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	DUCTILE IRON FITTINGS	FLUSHING VALVE ASSEMBLY	CONNECT TO EXISTING SYSTEM
	EA	CY	LF	LF	LB	EA	EA
18IN WATERLINE RELOCATION PLAN AND PROFILE SHEET							
(18IN WATERLINE RELOCATION ONLY)	2	24	195	195	1,700	1	1
PROJECT TOTAL	2	24	195	195	1,700	1	1

1	7/29/22	CHANGE ORDER NO. 1	GLP
NO.	DATE	REVISION	APPROVED



WILLIAMSON
COUNTY
1848



HDR ENGINEERING, INC.
710 HESTERS CROSSING, SUITE 150
ROUND ROCK, TEXAS 78681
TEXAS REGISTERED ENGINEERING FIRM F-754



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COUNTY ROAD 401

WATER - PHASE 2
18IN WATERLINE RELOCATION
SUMMARY OF QUANTITIES

SHEET 1 OF 1

FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			W-07B
STATE	DISTRICT	COUNTY	
TEXAS		WILLIAMSON	
CONTROL	SECTION	JOB	
			HIGHWAY NO.
			CR 401

Change Order Proposal

Date: 11/17/2022



Proposal: CO #4 Waterline Revisions

Bill To:

Eddie Church
HNTB
101 E. Old Settlers Blvd, Ste 225
Round Rock, TX 78664

RE:

Williamson CR 401

Project No.: 22IFB57
Control No.: NA

Qty	UM	Description	Unit Price	Total
1 → 2.00	EA	18IN Gate Valves	\$32,075.53	\$64,151.06
(2.00)	EA	16in Gate Valve	\$8,989.47	(\$17,978.94)
10.00	LF	36in Jacking or Boring	\$587.43	\$5,874.30
10.00	LF	36in Encasement Pipe	\$596.72	\$5,967.20
7.00	LF	Trench Excavation Safety	\$0.35	\$2.45
138.00	LF	18in DI Pipe	\$132.79	\$18,325.02
(54.00)	LF	16in DI Pipe	\$136.49	(\$7,370.46)
(7.00)	LF	12in DI Pipe	\$127.80	(\$894.60)
3550.00	LBS	Ductile Iron Fittings	\$9.80	\$34,790.00
1.00	EA	Flushing Valve Assembly	\$8,283.85	\$8,283.85
1.00	EA	Fire Hydrant Assembly	\$5,762.26	\$5,762.26
1.00	EA	Connection to Existing System	\$14,052.08	\$14,052.08
24.00	CY	18in Concrete Encasement	\$208.59	\$5,006.16
1.00	EA	Hydrostatic Testing	\$3,018.75	\$3,018.75
160.00	LF	6in PVC Pipe	\$115.00	\$18,400.00
100.00	LF	16in Jacking or Boring	\$325.87	\$32,587.00
1.00	LS	1% Bond Markup	\$1,869.57	\$1,869.57
		Subtotal		\$186,957.38
1	LS	1% Bond Markup		\$1,869.57
		TOTAL		\$188,826.95

NOTES:

1. We concur that the valve should be an additional cost since it was not previously accounted for in material procurement. In order to avoid confusion with quantities, we recommend paying for one of the valve based on the current unit cost and increasing the unit cost for the remaining two valves to compensate for this discrepancy. Total price from last change order proposal totaled \$64,151.06 resulting in a unit price of \$32,075.53/EA.
2. Incorporated Hydrostatic Testing into the Connection to Existing System bid item to avoid additional line item and potential confusion with hydrostatic testing for the remainder of the pipeline on the project which is considered subsidiary to the pipeline installation.