

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 1

1. CONTRACTOR: Cash Construction
2. Change Order Work Limits: Sta. 255+21.02 to Sta. 391+30.84
3. Type of Change(on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 1B (3 Max. - In order of importance - Primary first)

Project:	<u>Corridor H - Sam Bass Rd.</u>
Roadway:	<u>Sam Bass Rd.</u>
CSJ Number:	<u>23IFB8</u>

5. Describe the work being revised:

1B: Design Error or Omission. Other. This Change Order revises the earthwork quantities, BCMUD water line items and driveway quantities, per plan revisions issued after the Bid was awarded. The quantity for Item 110-6001 excavation was reduced by over 25% and the unit price is revised because it is considered a major bid item per the Contract.

6. Work to be performed in accordance with Items: See Attached
7. New or revised plan sheet(s) are attached and numbered: N/A
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).

<i>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.</i> THE CONTRACTOR Date <u>6/13/23</u> By <u>[Signature]</u> Typed/Printed Name <u>NATHAN GERTZ</u> Typed/Printed Title <u>Cash Construction</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>(\$2,394,078.12)</u>
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RECOMMENDED FOR EXECUTION:

[Signature] 6/15/2023
Project Manager Date

N/A
Design Engineer Date

Christen Eschberger 6/15/2023
Program Manager Date

Design Engineer's Seal:

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: 1

Project # Corridor H - Sam Bass Rd.

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
104-6017	REMOVING CONC (DRIVEWAYS)	SY	\$17.00	1,802	\$30,634.00	45	1,847.00	\$31,399.00	\$765.00
110-6001	EXCAVATION (ROADWAY)	CY	\$22.90	209,009	\$4,786,306.10	(209,009)	0.00	\$0.00	(\$4,786,306.10)
110-6001	EXCAVATION (ROADWAY)	CY	\$24.90	0	\$0.00	106,693	106,693.00	\$2,656,655.70	\$2,656,655.70
132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	\$21.00	16,593	\$348,453.00	(7,504)	9,089.00	\$190,869.00	(\$157,584.00)
132-6025	EMBANKMENT (FINAL)(DENS CONT)(TY C1)	CY	\$32.00	6,118	\$195,776.00	(2,847)	3,271.00	\$104,672.00	(\$91,104.00)
530-6004	DRIVEWAYS (CONC)	SY	\$43.00	1,773	\$76,239.00	51	1,824.00	\$78,432.00	\$2,193.00
530-6005	DRIVEWAYS (ACP)	SY	\$72.00	3,582	\$257,904.00	(72)	3,510.00	\$252,720.00	(\$5,184.00)
509	Trench Safety Systems	LF	\$0.50	8,151	\$4,075.50	(107)	8,044.00	\$4,022.00	(\$53.50)
510	Pipe (12") Ductile Iron (All Depths)	LF	\$136.00	5,131	\$697,816.00	89	5,220.00	\$709,920.00	\$12,104.00
510	12" tee 8" tie in	EA	\$1,370.00	2	\$2,740.00	(1)	1.00	\$1,370.00	(\$1,370.00)
510	12" tee 12" tie in	EA	\$1,650.00	2	\$3,300.00	1	3.00	\$4,950.00	\$1,650.00
510	Ductile Iron Fittings	TON	\$39,000.00	4.8300	\$188,370.00	(0.3345)	4.4955	\$175,324.50	(\$13,045.50)
510	Removal of Ductile Iron Pipe	LF	\$25.00	152	\$3,800.00	40	192.00	\$4,800.00	\$1,000.00
511	1" Combination Air Valve	EA	\$4,320.00	1	\$4,320.00	(1)	0.00	\$0.00	(\$4,320.00)
511	1/2" Combination Air Valve	EA	\$3,800.00	1	\$3,800.00	(1)	0.00	\$0.00	(\$3,800.00)
511	2" Combination Air Valve	EA	\$8,808.64	0	\$0.00	2	2.00	\$17,617.28	\$17,617.28
A300	Connection to Existing AC Pipe, Including Capping of Remaining AC Pipe (12")	EA	\$6,800.00	6	\$40,800.00	1	7.00	\$47,600.00	\$6,800.00
A300	Removal and Abatement of AC Pipe (12")	LF	\$38.00	4,953	\$188,214.00	(792)	4,161.00	\$158,118.00	(\$30,096.00)
TOTALS					\$6,832,547.60			\$4,438,469.48	(\$2,394,078.12)

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

Corridor H – Sam Bass Road Williamson County Project No. 23IFB8

Change Order No. 1

Reason for Change

This Change Order revises the earthwork quantities, BCMUD water line items and driveway quantities, per plan revisions issued after the Bid was awarded. The quantity for Item 110-6001 excavation was reduced by over 25% and the unit price is revised because it is considered a major bid item per the Contract. The same item number 110-6001 is used to adjust the price for this reduction in quantity.

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

ITEM	DESCRIPTION	QUANTITY	UNIT
110-6001	EXCAVATION (ROADWAY)	106,693	CY
511	2" Combination Air Valve	2	EA

This Change Order results in a net decrease of \$2,394,078.12 to the Contract amount, for an adjusted Contract total of \$33,751,880.88. The original Contract amount was \$36,145,959.00. As a result of this and all Change Orders to-date, \$2,394,078.12 has been deducted from the Contract, resulting in a 6.62% net decrease in the overall Contract cost. No time will be added to the Contract for this Change Order.

HNTB Corporation

Oscar Salazar-Bueno, P.E.

To: Oscar Salazar-Bueno <osalazarbueno@HNTB.com>

Subject: RE: 23IFB8-Corridor H - Sam Bass Road- Excavation and Embankment Quantities

Oscar – we would need to increase the unit price for each item by \$2.00 to make it work for us. The revised unit prices would need to be as follows:

Item 10 \$24.90

Item 11 \$23.00

Item 12 \$34.00

Hope this work for all so you don't have to rebid.

Thanks,



Trey Dickehut

Vice President of Estimating

p: 512.251.7872 | m: 512.748.7023

e: trey.dickehut@cashconstruction.com

a: 217 Kingston Lacy Blvd. | Pflugerville, Texas 78660

www.cashconstruction.com | Build with Excellence

From: Oscar Salazar-Bueno <osalazarbueno@HNTB.com>

Sent: Tuesday, January 10, 2023 1:10 PM

To: Trey Dickehut <trey.dickehut@cashconstruction.com>

Cc: Christen Eschberger <ceschberger@HNTB.com>; 70326_CorridorH_SamBass <SamBass_P456@hntb.com>

Subject: [External] 23IFB8-Corridor H - Sam Bass Road- Excavation and Embankment Quantities

This Message Is From an External Sender

This message came from outside your organization.

Hi Trey,

Thanks for taking my call, as discussed the EOR discovered errors on the excavation and embankment items. The revised quantities are shown below, can you please check if Cash Construction can keep the bid prices in spite of the quantity revisions?

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	REVISED QUANTITY	Delta
10	110 6001	EXCAVATION (ROADWAY)	208.008	CY	106.893	-102.316
11	132 6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	16.683	CY	9.098	-7.486
12	132 6025	EMBANKMENT (FINAL)(DENS CONT)(TY C1)	6.118	CY	3.271	-2.847

The contract went to the Board today for approval and we would like to iron out this wrinkle in advance of the final contract execution.

Thanks!

BREAKDOWN WORKSHEET

Item: CPR #1 - (item #1)
Date: 3/15/2023

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent	0	HR	\$62.00	\$0.00			
Forman (1)	0	HR	\$51.00	\$0.00			
Laborer (2)	0	HR	\$26.00	\$0.00			
Operator (3)	0	HR	\$32.00	\$0.00			
Pipe Layer (2)	0	HR	\$28.00	\$0.00			
Subtotal				\$0.00			
MATERIAL							
ARV	2	EA	\$6,691.56		\$13,383.12		
Gravel	0	TNS	\$25.50		\$0.00		
Concrete	0	CY	\$170.00		\$0.00		
Subtotal					\$13,383.12		
EQUIPMENT							
CAT 322	0	HR	\$74.40			\$0.00	
CAT 320	0	HR	\$126.55			\$0.00	
CAT 928G	0	HR	\$71.78			\$0.00	
Foreman Truck	0	HR	\$24.13			\$0.00	
Subtotal						\$0.00	
SUB							
		LS					\$0.00
Subtotal							\$0.00
Subtotals				\$0.00	\$13,383.12	\$0.00	\$0.00
Burden on Direct Labor - 55%				\$0.00			
Direct Labor - (5%OH +15%P)				\$0.00			
Material - (5%OH +15%P)					\$2,676.62		
Equipment - (5%OH +15%P)						\$0.00	
Subcontracts - (5%OH +15%P)							\$0.00
Subtotals				\$0.00	\$16,059.74	\$0.00	\$0.00
Change Proposal Subtotal							
							\$16,059.74
Bond (1%)							\$160.60
Total Change Proposal							\$16,220.34

Material Cost for 1" and 1/2" \$5,206.39

	Material Increase	\$11,013.95
Contract Price	1" CAV	\$4,320.00
Contract Price	1/2" CAV	\$3,800.00
Proposed Price	2" CAV	\$1,133.95

9403.24
94.03
9447.27
÷ 2
\$ 8808.64
FA



REQUEST FOR INFORMATION FORM

RFI NO.: 4 DATE: 4/25/23
PROJECT: Sam Bass (Corridor H) RESPONSE REQUESTED BY
DATE: 4/28/23
TO: HNTB: Tracy Cooper; Steven Shull; Eddie Church, P.E.

REFERENCE: BCMUD Revised Plans

PROBLEM:

It appears majority of the bends were taken out of the BCMUD water lines. The bends were replaced with PI Def. The plans are telling us to deflect anything from 7 degrees up to 90 degrees, which will be almost impossible. I am not sure why the bends were taken out and deducted from the from the contract amount and taken out of the plans. Please let us know if this is a typo and if we will recieved revised plan sheets and deductive change order.

RECOMMENDED SOLUTION:

We would recommend to go back to the original set of plans and put the bends back in the plan set.

Hunter Driskell
Originator

N/A
Supervisor

MRB Response: The PI Def. angle callouts in the Drawings show the deflection angle required to maintain the alignment as shown. At these locations, use a combination of ductile iron fittings (bends) and pipe joint deflection within the limits as allowed by the pipe manufacturer's recommendations to achieve the deflection angle and to maintain the alignment as shown in the Drawings. The bends were not deducted from the contract amount and are accounted for by the bid item for Ductile Iron Fittings as TONS.

Kelby Combest
Digitally signed by Kelby Combest
DN: C=US,
E=kelly.combest@mrhgroup.com,
O=Kelby Combest
Date: 2023.04.27 09:47:53-05'00'

4/27/23

Date

MRB NO. RFI-01
RECEIVED
4/26/23
MRB GROUP

Sign, Date & Return to HNTB via e-mail or fax.

Mail original to: HNTB Corporation
101 E Old Settlers Blvd, Ste 225
Round Rock, Texas 78664

Attachments to RFI:
Cc:

Eddie R. Church

From: Combest, Kelby <Kelby.Combest@mrbgroup.com>
Sent: Tuesday, May 2, 2023 1:59 PM
To: Eddie R. Church
Cc: 70326_CorridorH_SamBass; Caponi, Thomas; Liberatore, Melissa; Tracy Cooper; Oscar Salazar-Bueno
Subject: RE: Sam Bass Road (Corridor H) - RFI #4 BCMUD Plan Revision
Attachments: Sam Bass Utility Relocation - Fittings 5.1.23.pdf

Hello Eddie,

The original 4.83 tons was a conservative estimate of fittings. These estimates and the updated tonnage estimates are based on the AWWA C110 D.I. bends, similar to the bends shown here <https://american-usa.com/products/ductile-iron-pipe-and-fittings/fittings/mechanical-joint-fittings/bends>. These are much heavier than the compact fittings that Cash has submitted so that may also explain some of the discrepancies between their estimates and ours.

Please see attached: For the 100% plans this tonnage was reduced to 2.985 tons, however after closer inspection, there were some bends not accounted for in the 2.985 total, so I have marked up the Quantity table in the plans to reflect the new totals. The new total, 4.495 tons is based on standard, not compact fittings.

I also added a table (pg 2 of attached) that has some comments.

I have marked up the plans with circles showing where we assumed the bends would be needed. I have marked with bold circles where the discrepancies are.

Additional Comments:

- A majority of the additional tonnage above comes from the fittings for the 24" bypass shown on Sheet 16 of the plans. There currently is not a bid item for this bypass, however the contractor has sent a submittal for this material so it seems to be accounted for somewhere.
- On Sheet 16, Sta. 32+89, there is a tie-in to the existing 8" WL and calls for a 8" Gate valve. This gate valve appears to be missed in our summary table and does not have a pay item.

For these items, let us know if you would like an updated quantity table in the plans or how you would like to proceed.

Thank you,

KELBY COMBEST / MRB Group / 512.636.9853

From: Eddie R. Church <erchurch@HNTB.com>
Sent: Thursday, April 27, 2023 2:58 PM
To: Combest, Kelby <Kelby.Combest@mrbgroup.com>
Cc: 70326_CorridorH_SamBass <SamBass_P456@hntb.com>; Caponi, Thomas <Thomas.Caponi@mrbgroup.com>; Liberatore, Melissa <Melissa.Liberatore@mrbgroup.com>; Tracy Cooper <tcooper@HNTB.com>; Oscar Salazar-Bueno <osalazarbueno@HNTB.com>
Subject: FW: Sam Bass Road (Corridor H) - RFI #4 BCMUD Plan Revision

Kelby,

Could you please provide backup for the ductile iron fittings quantity changes, between Bid Plans and 100% plans issued via Change order?



REQUEST FOR INFORMATION FORM

RFI NO.: 6 DATE: 5/3/23
PROJECT: Corridor H - Sam Bass - Signals RESPONSE REQUESTED BY
DATE: 5/10/23
TO: Tyson Hasz - KFA

REFERENCE: Parcels 58, 60, 61

PROBLEM:

Discrepancy between actual ROW and plan ROW at detention pond area.

RECOMMENDED ACTION:

Update plans and driveway tie-ins.

Oscar Salazar-Bueno, PE
Originator

Christen Eschberger, PE
Supervisor

RESPONSE:

Driveway 42 is being revised to keep the proposed driveway within the ROW. Driveways 43, 44, 45, and 47 need to remain as originally designed so they can tie-in at the existing throat of each respective driveway. As a result, those proposed driveway tie-ins will extend outside of the existing ROW and will require TCEs. The relevant plan sheets and quantities have been updated accordingly.

Tyson Hasz, PE
Responder

5/10/2023
Date

Sign, Date & Return to HNTB via e-mail.

Mail original to: HNTB Corporation
101 E Old Settlers Blvd, Ste 100
Round Rock, Texas 78664

Attachments to RFI: Revised plan sheets.
Cc:

ROADWAY PLAN & PROFILE SHEET NO.	LOCATION	SUMMARY OF ROADWAY ITEMS														
		110 6001	132 6003	132 6025	247 6044	310 6001	316 6193	316 6413	354 6021	450 6052	432 6045	512 6005	529 6008	529 6015	530 6004	530 6005
		EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (ORD COMP) (TY B)	EMBANKMENT (FINAL) (DENS CONT) (TY C1)	FL BS (CMP IN PLC) (TY A GR 4) (FNAL POS)	PRIME COAT (MULTI OPTION)	AGGR (TY-D GR-5 SAC-B)	ASPH (AC-15P, HFRS-2P OR CRS-2P)	PLANE ASPH (CONC PAV (0" TO 2"))	RAIL (HANDRAIL) (TY F)	RIPRAP (MOW STRIP) (4 IN)	PORT CTB (FUR & INST) (F-SH APE) (TY 1)	CONC CURB & GUTTER (TY II)	CONC CURB (TY C1)	DRIVEWAYS (CONC)	DRIVEWAYS (ACP)
		CY	CY	CY	CY	GAL	CY	GAL	SY	LF	CY	LF	LF	LF	SY	SY
SHEET 1 OF 14	BEGIN TO STA 265+00.00	3,486	716	255		1,934	64	3,095					2,018		51	
SHEET 2 OF 14	STA 265+00.00 TO STA 275+00.00	7,557	682	39	2,148	967	32	1,548		16		975				167
SHEET 3 OF 14	STA 275+00.00 TO STA 285+00.00	10,314	366		2,464	870	29	1,392		10		957				266
SHEET 4 OF 14	STA 285+00.00 TO STA 295+00.00	15,853	270	1	2,614	924	31	1,478				1,011				204
SHEET 5 OF 14	STA 295+00.00 TO STA 305+00.00	5,437	2,176	1,769	2,607	922	31	1,475		11		968			132	131
SHEET 6 OF 14	STA 305+00.00 TO STA 315+00.00	4,980	525		2,620	926	31	1,481				938			135	184
SHEET 7 OF 14	STA 315+00.00 TO STA 325+00.00	7,256	248		2,406	854	28	1,367				1,130			121	665
SHEET 8 OF 14	STA 325+00.00 TO STA 335+00.00	6,770	278		2,575	926	31	1,481				927			281	556
SHEET 9 OF 14	STA 335+00.00 TO STA 345+00.00	6,925	238	19	2,209	783	26	1,253				802			403	150
SHEET 10 OF 14	STA 345+00.00 TO STA 355+00.00	15,545	607	599	2,763	982	33	1,572		53		1,005				731
SHEET 11 OF 14	STA 355+00.00 TO STA 365+00.00	6,788	322		2,324	827	28	1,322			60	923			444	
SHEET 12 OF 14	STA 365+00.00 TO STA 375+00.00	6,750	392	3	2,809	995	33	1,591				996			257	82
SHEET 13 OF 14	STA 375+00.00 TO STA 385+00.00	3,880	684	165	2,099	811	27	1,297		51		57				266
SHEET 14 OF 14	STA 385+00.00 TO STA 395+00.00	773														
SHEET 1 OF 1	WYOMING SPRINGS RT TURN LANE	18	346	346	354	115	4	184				179				108
SHEET 1 OF 8	THOUSAND OAKS DR	130	29	10		157	5	252		409						
SHEET 2 OF 8	MAYFIELD DR	1,271	5			200	7	320		26						
SHEET 3 OF 8	WALSH DR	77	154	20		183	6	293		26						
SHEET 4 OF 8	DEER TRAIL CIRCLE	20	17	10		130	4	208		25			76			
SHEET 5 OF 8	LIVE OAK CIRCLE	31	5	5		70	2	112		112						
SHEET 6 OF 8	GREAT OAKS DRIVE	241	86	10		521	17	834		362			599			
SHEET 7 OF 8	WALSH RANCH BLVD/ARROWHEAD CIRCLE	1,000	9	5		533	18	852		115			450			
SHEET 8 OF 8	TOKAWA TRL	71	120	15		190	6	304		38						
SHEET 1 OF 1	SUP PLAN AND PROFILE - SUPA	739	19							66				53		
SHEET 1 OF 4	SUP PLAN AND PROFILE - SUPB	195	199													
SHEET 2 OF 4	SUP PLAN AND PROFILE - SUPB	195	199													
SHEET 3 OF 4	SUP PLAN AND PROFILE - SUPB	195	199													
SHEET 4 OF 4	SUP PLAN AND PROFILE - SUPB	195	199													
	PROJECT TOTALS	106,693	9,089	3,271	29,992	14,820	494	23,712	1,164	119	37	60	14,012	53	1,824	3,510

EW qty's updated, per
Change Order #1.

Driveway qty's updated
per RFI #6 response
dated 5/10/23.

ROADWAY PLAN & PROFILE SHEET NO.	LOCATION	SUMMARY OF ROADWAY ITEMS															
		531 6002	531 6004	531 6006	531 6010	536 6002	540 6001	540 6007	540 6016	544 6001	550 6008	552 6003	552 6005	3076 6001	3076 6042	3076 6066	** 5070 6002
		CONC SIDEWALKS (5")	CURB RAMPS (TY 1)	CURB RAMPS (TY 3)	CURB RAMPS (TY 7)	CONC MEDIAN	MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (TL2)	DOWNSTREAM ANCHOR TERMINAL SECTION	GUARDRAIL END TREATMENT (INSTALL)	CHAIN LINK FENCE (INSTALL) (8')	WIRE FENCE (TY C)	GATE (TY 1)	D-GR HMA TY-B PG64-22	D-GR HMA TY-D SAC-B PG70-22	TACK COAT	STEEL FENCE (INSTALL)
		SY	EA	EA	EA	SY	LF	EA	EA	EA	LF	EA	TON	TON	GAL	LF	
SHEET 1 OF 14	BEGIN TO STA 265+00.00	890			5	179					419	1	4,213	1,461	1,357		
SHEET 2 OF 14	STA 265+00.00 TO STA 275+00.00	1,085					311		1				1,101	795	744		
SHEET 3 OF 14	STA 275+00.00 TO STA 285+00.00	1,056					214		1				744	731	684		
SHEET 4 OF 14	STA 285+00.00 TO STA 295+00.00	1,125								291	361		791	778	727		
SHEET 5 OF 14	STA 295+00.00 TO STA 305+00.00	1,089					501	4	2	2			789	776	726		
SHEET 6 OF 14	STA 305+00.00 TO STA 315+00.00	1,063											791	777	727		
SHEET 7 OF 14	STA 315+00.00 TO STA 325+00.00	846			2								730	717	671		
SHEET 8 OF 14	STA 325+00.00 TO STA 335+00.00	959											792	778	728		
SHEET 9 OF 14	STA 335+00.00 TO STA 345+00.00	1,023	2		1								669	658	615		
SHEET 10 OF 14	STA 345+00.00 TO STA 355+00.00	1,118								675			840	826	772	107	
SHEET 11 OF 14	STA 355+00.00 TO STA 365+00.00	839	1	1									707	695	650	271	
SHEET 12 OF 14	STA 365+00.00 TO STA 375+00.00	1,025											854	837	778		
SHEET 13 OF 14	STA 375+00.00 TO STA 385+00.00												689	670	630		
SHEET 14 OF 14	STA 385+00.00 TO STA 395+00.00																
SHEET 1 OF 1	WYOMING SPRINGS RT TURN LANE												96	90	86		
SHEET 1 OF 8	THOUSAND OAKS DR												342	118	112		
SHEET 2 OF 8	MAYFIELD DR												430	146	139		
SHEET 3 OF 8	WALSH DR												395	134	128		
SHEET 4 OF 8	DEER TRAIL CIRCLE												281	97	90		
SHEET 5 OF 8	LIVE OAK CIRCLE												152	52	50		
SHEET 6 OF 8	GREAT OAKS DRIVE					75							1,143	398	371		
SHEET 7 OF 8	WALSH RANCH BLVD/ARROWHEAD CIRCLE												1,142	387	361		
SHEET 8 OF 8	TONKAWA TRL												419	148	139		
SHEET 1 OF 1	SUP PLAN AND PROFILE - SUPA	340															
SHEET 1 OF 4	SUP PLAN AND PROFILE - SUPB	556															
SHEET 2 OF 4	SUP PLAN AND PROFILE - SUPB	556															
SHEET 3 OF 4	SUP PLAN AND PROFILE - SUPB	556															
SHEET 4 OF 4	SUP PLAN AND PROFILE - SUPB	266															
	PROJECT TOTALS:	14,391	3	1	8	254	1,026	4	2	4	966	780	1	18,109	12,067	11,289	378

** REPLACE EXISTING WROUGHT IRON FENCE WITH ONE OF LIKE MATERIAL AND APPEARANCE.

 K·FRIESE + ASSOCIATES PUBLIC PROJECT ENGINEERING		(FIRM # 6535)	
		WILLIAMSON	
SHEET 1 OF 2		SCALE N/A	
DATE 5/9/2023		SHEET NUMBER 31 OF 529	

BRUSHY CREEK MUD ROUND ROCK, TEXAS

SAM BASS RD UTILITY RELOCATIONS

JANUARY 2023

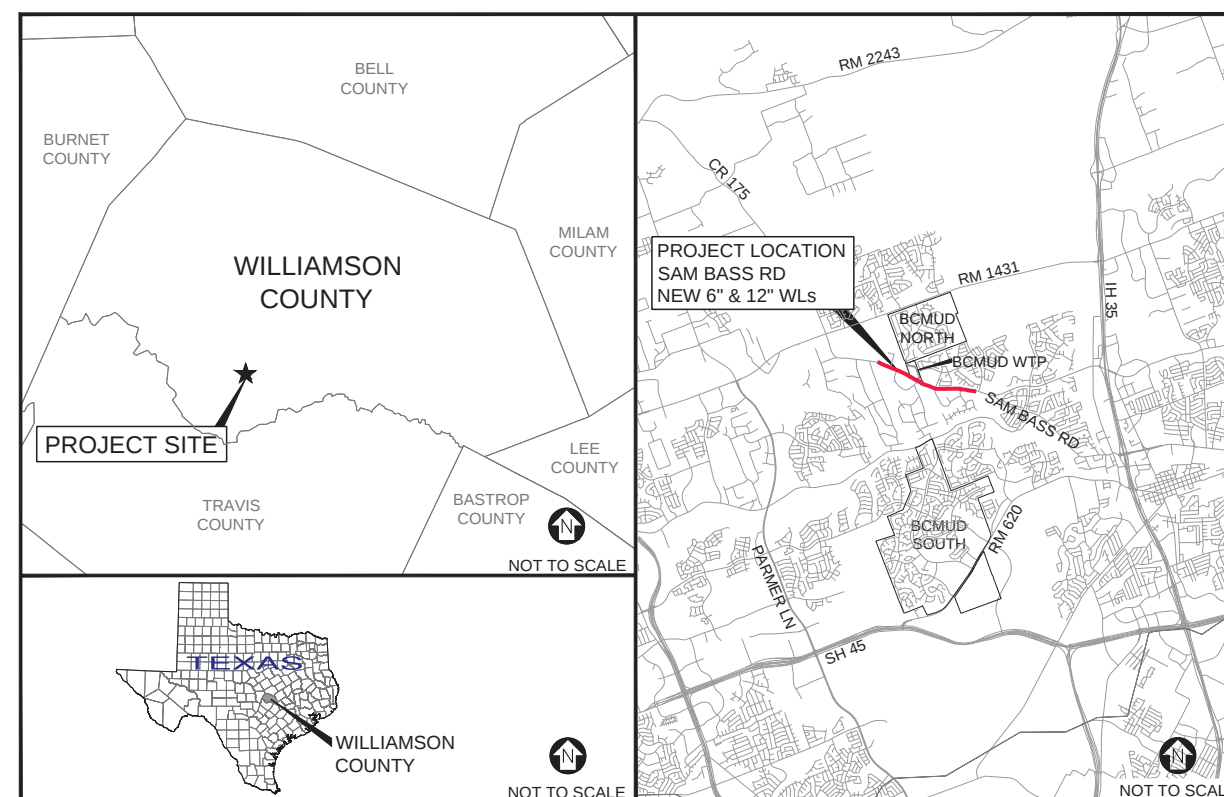


THOMAS E. CAPONI, P.E.
LICENSED PROFESSIONAL ENGINEER No. 54723
MRB GROUP, P.C.
8834 N. CAPITAL OF TEXAS HWY, SUITE 147
AUSTIN, TEXAS 78759
TBPELS FIRM REGISTRATION No. F-10615
PHONE: (512) 436-8571

REVIEWED BY:

[Signature]
BRUSHY CREEK MUD

2-13-2023
DATE



SITE LOCATION MAP

30° 32' 01.88" N 97° 44' 20.26" W

BOARD MEMBERS

REBECCA B. TULLOS, PLACE 1, TREASURER
MICHAEL TUCKER, PLACE 2, VICE PRESIDENT, ASST. TREASURER
KIM FILIATRAULT, PLACE 3, SECRETARY
DONNA B. PARKER, PLACE 4, PRESIDENT
KEN REIFSCHLAGER, PLACE 5, ASST. SECRETARY

BUSINESS PERSONNEL

SHEAN R. DALTON, GENERAL MANAGER
AMY GIANNINI, P.E., CFM, DISTRICT ENGINEER
BILL CARR, UTILITIES SYSTEMS MANAGER



16318 GREAT OAKS DRIVE, ROUND ROCK, TX 78681
Phone: (512) 255-7871

MRB | group

MRB Group, P.C.

8834 N. Capital of Texas Hwy, Suite 220, Austin, TX 78759 Phone: 512-436-8571

303 W. Calhoun Ave. Temple, TX 76501 Phone: 254-771-2054

TBPELS Firm Number: F-10615

www.mrbgroup.com

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SHEET 1 OF 34



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