

# WILLIAMSON COUNTY, TEXAS CHANGE ORDER NUMBER: 2

CONTRACTOR: Patin Construction			Project:	1603-064
Change Order Work Limits: Sta. 10+00 to	Sta53	+67.30	Roadway: _	Arterial H
Type of Change(on federal-aid non-exempt projects):	Minor (Ma	or/Minor)	CSJ Number:	
Reasons: 3E, 1B, 2E (3 Max In order	of importance - f	Primary first)	Transer.	
Describe the work being revised.  County Convenience. Reduction of future maintenance. event erosion and to establish vegetation on the slopes and all	ong the roadway	1B. Design E	ror or Omission	ı. This change
der also adds items to the contract for work shown in the plans ffering Site Conditions. (unforeseeable) Miscellaneous dif der deletes lime treated subgrade items due to the quality of the	ference in site o	onditions (unfo	reseeable)(Item	
Work to be performed in accordance with Items: SE	EE ATTACHED			
New or revised plan sheet(s) are attached and numbers	d: N/A			
New Special Provisions/Specifications to the contract ar	e attached:	☐ Yes	☑ No	
New Special Provisions to Item_N/A_NoN/A_Speci		Item N/A		
ach signatory hereby warrants that each has the authority				
	7		ion must be pr	rovided
e contractor must sign the Change Order and, by doing so, agrees to waive y and all claims for additional compensation due to any and all other penses; additional changes for time, overhead and profit; or loss of	Time Ext. #:		Days added on t	
mpensation as a result of this change	TITIES EXIL W.	<u> </u>	zays added on	120
HE CONTRACTOR Date ////8	Amount adde	ed by this chang	je order:	\$58,143.87
-1.75				·
Typed/Printed Name 7.m / 4/4				
Typed/Printed Title Passay				
ECOMMENDED FOR EXECUTION:				
12 11	Cou	nty Commission	ner Precinct 1	Dat
Project Manager Date	☐ APPR	OVED	☐ REQUE	ST APPROVAL
37	Cou	nty Commission	ner Precinct 2	Dat
N/A Design Engineer Date	☐ APPR	OVED	□ REQUE	ST APPROVAL
Miller		4.0	5 10	
// 1/12/2018	Cou ☐ APPR	nty Commission		Dati ST APPROVAL
Program Manager Date	LI APPRI	DAED	U KEQUE	31 APPROVAL
sign Engineer's Seal:	<del></del>			
1		nty Commission		Date
	☐ APPR	OVED	□ REQUE	ST APPROVAL
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	☐ APPR		-9-	Dat

# WILLIAMSON COUNTY, TEXAS

	CHANGE ORDER NUMBER:	2	Project #	1603-064
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### TABLE A: Force Account Work and Materials Placed into Stock

LABOR	HOURLY RATE		HOURLY RATE

### TABLE B: Contract Items:

				ORIGINAL + PRE	/IOUSLY REVISED	ADD or (DEDUCT)		NEW	
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
169-6001	SOIL RETENTION BLANKET (CL1) (TYA)	SY	\$1.27	0.00	\$0.00	23,232.00	23,232.00	\$29,504.64	\$29,504.64
260-6001	LIME (HYDRATED LIME (DRY))	TON	\$200.00	304.00	\$60,800.00	(304.00)	0.00	\$0.00	(\$60,800.00)
260-6073	LIME TRT (SUBGRADE) (8IN)	SY	\$2.00	16,901.00	\$33,802.00	(16,901.00)	0.00	\$0.00	(\$33,802.00)
464-6017	RC PIPE (CL IV) (18IN)	LF	\$37.35	0.00	\$0.00	35.00	35.00	\$1,307.25	\$1,307.25
465-6166	SLOPING HEADWALL	EA	\$4,000.00	1.00	\$4,000.00	(1.00)	0.00	\$0.00	(\$4,000.00)
467-6356	SET (TYII) (18IN) (3:1) (PRECAST)	EA	\$910.44	0.00	\$0.00	4.00	4.00	\$3,641.76	\$3,641.76
502-WC01	BARRICADES, SIGNS, AND TRAFFIC HANDLING	МО	\$1,200.00	17.00	\$20,400.00	2.00	19.00	\$22,800.00	\$2,400.00
529-6302	RIBBON CURB	LF	\$13.23	0.00	\$0.00	734.00	734.00	\$9,710.82	\$9,710.82
618-6058	CONDT (PVC) (SHC 80) (4IN)	LF	\$18.90	0.00	\$0.00	474.00	384.00	\$7,257.60	\$7,257.60
450-WC01	PEDESTRIAN HANDRAIL (COA 707S-1 DETAIL)	LF	\$135.70	0.00	\$0.00	474.00	474.00	\$64,321.80	\$64,321.80
502-WC01	BARRICADES, SIGNS, AND TRAFFIC HANDLING	МО	\$1,200.00	17.00	\$20,400.00	4.00	21.00	\$25,200.00	\$4,800.00
999-WC03	SUBGRADE PREP	SY	\$2.00	0.00	\$0.00	16,901.00	16,901.00	\$33,802.00	\$33,802.00
	1								
	1								
	TOTALS		•		\$139,402.00			\$197,545.87	\$58,143.87

# CHANGE ORDER REASON(S) CODE CHART

(unforeseeable)  2B. Unavailable material  2C. New development (conditions of the condition)  2D. Environmental remediation	conditions (unforeseeable)(Item 9)
Differing Site Conditions     (unforeseeable)      Dispute resolution (expense cause)     D	hanging after PS&E completed) conditions (unforeseeable)(Item 9)
Differing Site Conditions     (unforeseeable)     2A. Dispute resolution (expense cau     2B. Unavailable material     2C. New development (conditions of 2D. Environmental remediation)	hanging after PS&E completed) conditions (unforeseeable)(Item 9)
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New development (conditions of 2D. Environmental remediation	conditions (unforeseeable)(Item 9)
2D. Environmental remediation	conditions (unforeseeable)(Item 9)
2E. Miscellaneous difference in site	
Harmon and the second of the s	t of nature
2F. Site conditions altered by an act	
2G. Unadjusted utility (unforeseeable	e)
2H. Unacquired Right-of-Way (unfor	reseeable)
21. Additional safety needs (unfores	seeable)
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 Engir	neering finding
3D. Achievement of an early project	completion
3E. Reduction of future maintenance	
3F. Additional work desired by the C	County
3G. Compliance requirements of nev	
3H. Cost savings opportunity discove	Substitution and the substitution of the subst
31. Implementation of improved tech	, •
200 200 200 200 200 200 200 200 200 200	rk (price reduced in exchange for acceptance)
3K. Addition of stock account or mat	SOUTH SECTION SHOULD CAME TO A CONTROL AND A
3L. Revising safety work/measures of	
3M. Other	desired by the County
Sivi. Other	
4. Third Party Accommodation 4A. Failure of a third party to meet or	ommitment
	ommunent
4B. Third party requested work	all and the second seco
	v laws and/or policies (impacting third party)
4D. Other	
5. Contractor Convenience 5A. Contractor exercises option to ch	1 (a) (a) (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a
	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 part	4 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
6B. Right-of-Way not clear (County re	esponsibility for ROW)
6C. Utilities not clear	
6D. Other	

### **Williamson County Road Bond Program**

# Arterial H Williamson County Project No. 1603-064

## Change Order No. 2

### **Reason for Change**

This Change Order consists of the following: 1) the addition of soil retention blankets to the contract to minimize erosion and aid in vegetation establishment on the slopes along the roadway; 2) the addition of various items of work shown on the original plans, but not included in the summary of quantities. These items include ribbon curb, electrical conduit, and pedestrian handrail at culvert headwalls; 3) changing the backless style curb inlets to standard curb inlets to eliminate the need for additional pedestrian handrail; 4) eliminates the lime treated subgrade items in the Contract. The subgrade material was tested throughout the project to confirm that the lime treated subgrade was not needed. An item for subgrade prep was added to the contract for the work that the Contractor performed to get the subgrade ready for flexible base. The new item replaces the "Lime Treat (Subgrade)" item originally included in the Contract; and 5) the addition of 120 calendar Days to the Contract time and 4 months of barricades for delays associated with the adjacent contractor utilizing the roadway for detention pond construction. The Contractor delayed the start of construction on Culvert A and the subgrade adjacent to the pond to allow the pond contractor to complete construction of the detention pond.

Following is a summary of new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
169-6001	SOIL RETENTION BLANKET (CL1) (TY A)	23,232	SY
464-6017	RC PIPE (CL IV) (18IN)	35	LF
467-6356	SET (TYII) (18IN) (3:1) PRECAST	4	EA
529-6302	RIBBON CURB	734	LF
618-6058	CONDT (PVC) (SCH 80) (4IN)	384	LF
450-WC01	PEDESTRIAN HANDRAIL (COA 707S-1 DETAIL)	474	LF
999-WC03	SUBGRADE PREP	16,901	SY

This Change Order results in a net increase of \$58,143.87 to the Contract amount, for an adjusted Contract total of \$3,401,849.67. The original Contract amount was \$3,210,934.80. As a result of this and all Change Orders to-date, \$190,914.87 has been added to the Contract, resulting in a 5.9% net increase in the Contract cost. One hundred and twenty (120) days have been added to the Contract as a result of this Change Order or other Change Orders to date.

# **HNTB Corporation**

James Klotz, P.E.

# Patin Construction LLC

3800 W. Second Street

Taylor, TX 76574

Phone: (512) 269-1071 Fax: (512) 269-1072

## **WILLIAMSON COUNTY**

Email: James Klotz < jklotz@HNTB.com>

## Arterial H

# MODIFIED INLETS, HANDRAIL, SUBGRADE PREP AND RIBBON CURB RATE

Item No.	Qty.	Unit	Description	U	Init Price		Total	
169-6001	23,232	SY	SOIL RETENTION BLANKETS (CL 1)(TY A)	\$	1.27	\$	29,504.64	25,555.20 x 15%
COA 707	474	LF	PEDESTRIAN HANDRAIL (per COA 7075-1 detail)	\$	135.70	\$	64,321.80	55,932 x 15%
618-6058	384	LF	CONDT (PVC) (SCH 80) (4")	\$	18.90	\$	7,257.60	Invoice+labor+equi x 159
464-6017	35	LF	RC PIPE (CL IV)(18 IN)	\$	37.35	\$		Invoice+labor+equi x 159
467-6356	4	EA	S.E.T (TY II) (18 IN) (RCP) (3: 1) PRE CAST	\$	910.44	\$		Invoice+labor+equi x 159
260-6001	16,901	SY	WORDING CHANGE ONLY FROM LIME TRT (SUBGRADE)(8") TO SUBGRADE PREPERATION (8")	NA		NA		
529-6302	734	LF	RIBBON CURB	\$	13.23	\$	9,710.82	8441x15%
/								

(450-WCDI

**CHANGE ORDER TOTAL** 

\$ 115,743.87

Change Order #2 1-Dec-17



Work Order#

1607.6

Work Order Date: 11/7/2017

# Patin Construction LLC

3800 West 2<sup>nd</sup> Street Taylor, TX 76574 O: (512) 269-1071

F: (512) 269-1072

# WORK ORDER UNDER MASTER SUBCONTRACT AGREEMENT

FOR

Woolery Custom Fence Co. P.O. Box 986 Elgin, Texas 78621 (512) 281-2186

Pursuant to Paragraph 1 of the Master Subcontract Agreement entered between Patin Construction LLC and Woolery Custom Fence. as of November 17<sup>th</sup>, 2017, Patin Construction LLC and Subcontractor hereby establish matters pertinent to the Subcontract Work described below:

- 1. Project: Arterial H West Phase One
- 2. The Construction Site is located at: Sam Bass Rd and Arterial H, Round Rock, TX
- The Project Owner is: Williamson County Texas, 901 S. Austin Ave. Georgetown, TX 78626
- 4. The Subcontract Price is not to exceed: \$59,032.25 (Fifty nine Thousand Thirteen dollars and Twenty five cents.)

5. The Contract Scope of Work is:

tem No.	Description	Unit	Qty.	Unit Price	Total
57	Wire Fence (TY A)	FT	475	\$7.25	1.
CO#2	Pedestrian Handrail		4/3	37.25	\$3,081.25
	- Tandian	FI	4/4	\$118.00	\$55,932.00
					-

TOTAL:

\$ 59,013.25

- 6. The following exhibits are incorporated by reference:
  - Woolery Custom Fence Co., Proposal dated March 14, 2017
- 7. Patin Construction's on-site representatives is: Jimmy Patin, Project Manager
- 8. This Work Order, the Master Subcontract Agreement and the Contract Specifications and Documents incorporated into each of them by reference together constitute the entire agreement between the Parties and supersedes any and all prior written or oral agreements between the Parties with respect to the Subcontract Work on the Project.

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9609 Beck Circle Austin, Texas 78758-5401 Phone: (512) 833-5410 Fax: (512) 833-5407

CUST.#:

1319

SHIP TO:

ARTERIAL H PHASE 1

PATIN CONSTRUCTION, LLC

ARTERIAL H ROUND ROCK, TX

BILL TO:

PATIN CONSTRUCTION, LLC 3800 WEST 2ND STREET TAYLOR, TX 76574

# INVOICE

INVOICE DATE	SHIPPED		ORDER NO.
		1082297-00	
P.O. NO	).	PAGE #	TERMS
1607		1	NET 30 DAYS
	INSTRU	CTIONS	
S	HIP POINT		SHIP VIA
Techline Pip			Jan Vin

Please remit all payments to:

Techline Pipe, L.P. P.O. Box 4328 Houston, TX 77210-4328

Please remit overnight payments to: Techline Pipe, L.P. Attn: Lockbox 4328 10900 Corp. Centre Dr, Ste 150 Houston, TX 77041 (713) 867-1031

10.	QUANTITY ORDERED	QUANTITY B.O.	PRODUCT AND DESCRIPTION	QTY. SHIPPED	QTY. U/M	UNIT PRICE	AMOUNT (NET)
1	384		SSCH80040BE 4" x 20' SCH-80 PVC BELL EN	D PIPE, GREY	FT	6.90	2649.60
1	Lines Total		Qty Shipped Total	384		Total Invoice Total	2649.60 2649.60

Last Page

Past due invoices will accrue interest at the rate of one and one-half percent (1.5%) per month (18% per year).

HERNANDEZ ADOL FO		1				-	+	-	+								
	Ξ.	722	0							25.50	510.00						DIRDEP
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				15x14 16x16	15x15=\$225.00 16x15=\$225.00 16x15=\$240.00	200	Total: \$930.00	930.00			Komatsu Loader 250 JD 410 Backhoe -	Loader 2 ackhoe -		45.44x15=\$681.60 40.97x15=\$614.55	81.60 14.55		
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				14x9=	4x9=\$126.00 5x9=\$135.00		Total: \$558.00	58.00			Komatsu Loader 250 - JD 410Backhoe -	Loader 2 ckhoe -	1	45.44x9=\$408.96 40.87x9=\$368.73	38.73	Total: \$1551.33	33
				RCP (17x2)	16x9=\$144.00 3CP CHV Inst 17x2=\$34.00	4.00 Install:					Komatsu Loader 250	Loader	- 1		.88	Total: \$172.82	.82
				14x2=\$28 15x2=\$30 16x2=\$32	14x2=\$28.00 15x2=\$30.00 16x2=\$32.00	-4-	Total: \$124.00	24.00			JU 410 Backnoe	acknoe	4	40.97XZ	94		1

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Ship To: ARTERIAL H ROUND ROCK TX 78664 United States of America

Bill To: PATIN CONSTRUCTION, LC. 3800 W 2ND ST TAYLOR TX 76574-4624 United States of America Remit To: Forterra Pipe & Precast, LLC PO BOX 842481 DALLAS TX 75284-2481

Invoice Date	Page Number
13-OCT-17	1 of 1
Invoice Number	
11563665	
Sales Contract	Customer Number
10950303	00035244
Customer Order	

Date	Plant	BOL No	Descripti	on	Qty	Uni	it	Unit price	Extended Price
11-OCT-17	10417	2722940	LEIU OF CL4			<del>                                     </del>		· ·	
			18" CL5 8' T&G RCP		32	LINE		24.00	768.00
			STRUCTURE TOTAL						768.00
11-OCT-17	10417	2722940	MISC						
		_	3/4" X 2.50' PREFORM GASKET	ED PLASTIC	1	EAC	Н	.00	. 00
			STRUCTURE TOTAL						. 00
			MATERIAL CUR MOMAI						
			MATERIAL SUB-TOTAL						768.00
			12						
				-					
Term:	NET 3	30 Days							
				Total Qty	33			Sales Tax	. 00
	EIN#		Customer Servi		Take Discou	nt of	IF PA	ID ON OR BEFORE	AMOUNT DUE
54-0	179210		469-458-7973 credit@forterrab			. 00	мо 11	12	768.00

PATIN CONSTRUCTION LLC	H SUBCONTRA	CTOR ☐ - S729	56				ADC	RESS 38	ADDRESS 3800 W 2ND STREET TAYLOR TX 76574	STREET						
		PERIOD BEG	IN 11/20/	/2017 PER	IOD END	PERIOD BEGIN 11/20/2017 PERIOD END 11/26/2017	PRO	JECT AND	PROJECT AND LOCATION			PROJECT C	PROJECT OR CONTRACT NO. 1607	RACT NO		
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				Date of	Conduit Install	=======================================				ш	Equip for Install:	nstall:						0
				14×15	14×15=\$250;	100	100			则交	Ex Komatsu 200 - Komatsu Loader 2	Ex Komatsu 200 - Komatsu Loader 250 -		85.96x15=\$1440 45.44x15=\$681.6	440	Total: \$2736	2018	١
				16x15	16x15=\$225.0	00	1 Otal. \$930.0	00.0		5/	) 410 Ba	ckhoe -		40 97×45=\$6	-\$614.55			
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				15x2=\$30. 16x2=\$32.	\$30.00		Total: \$124.00	00										

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Ship To: ARTERIAL H ROUND ROCK TX 78664 United States of America

Bill To: PATIN CONSTRUCTION, LC. 3800 W 2ND ST TAYLOR TX 76574-4624 United States of America Remit To: Forterra Pipe & Precast, LLC PO BOX 842481 DALLAS TX 75284-2481

Invoice Date	Page Number
16-NOV-17	1 of 1
Invoice Number	
11571446	
Sales Contract	Customer Number
10950303	00035244
Customer Order	

Plant	BOL No	Description	on	Qty	Uni	Unit price	Extended Price
10474	2741446						
		18" 3:1 PRECAST SET		4	EAC	264.35	1,057.4
		STRUCTURE TOTAL				*	1,057.4
		MATERIAL SUB-TOTAL					1,057.4
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1/9210		469-458-7973 credit@forterrabp			.00	0.793000	1,057.40
	NET 3	NET 30 Days	10474 2741446 MISC 18" 3:1 PRECAST SET  STRUCTURE TOTAL  MATERIAL SUB-TOTAL  NET 30 Days  EIN# Customer Service 469-458-7973	10474 2741446 MISC  18" 3:1 PRECAST SET  STRUCTURE TOTAL  MATERIAL SUB-TOTAL  NET 30 Days  Total Qty  EIN#  179210  Customer Service#  469-458-7973	10474 2741446 MISC  18" 3:1 PRECAST SET  STRUCTURE TOTAL  MATERIAL SUB-TOTAL  NET 30 Days  Total Oty  4  Customer Service#  179210  469-458-7973	10474 2741446 MISC  18" 3:1 PRECAST SET  4 EACH  STRUCTURE TOTAL  MATERIAL SUB-TOTAL  NET 30 Days  Total Qty  4 Customer Service#  179210  469-458-7973	10474   2741446   MISC   18" 3:1 PRECAST SET   4   EACH   264.35     STRUCTURE TOTAL   MATERIAL SUB-TOTAL     MATERIAL SUB-TOTAL

NAME OF CONTRACTOR OR SUBCONTRACTOR PATIN CONSTRUCTION LLC	OR SUBCONTR	ACTOR [	- s729						ADD	RESS	ADDRESS 3800 W 2ND STREET TAYLOR TX 76574	STREET 6574						
PATROLL NO.		PERIOD BEGIN 11/20/2017 PERIOD END 11/26/2017	EGIN 11	/20/20	7 PER	OD END	11/26	/2017	PRO	JECT AN	PROJECT AND LOCATION			PROJECT C	OR CON	PROJECT OR CONTRACT NO. 1607		
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NAME AND INDIVIDITAL		(5)			(4) DY	(4) DAY AND	DATE		(2)	(9)	6			(8)				107
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	DIRDEP	27.42 482.58		77.43 493.07	DIRDEP	47.22 402.78	+0431: \$2736.1E	551.33	Total: \$172.82
						7		Total: \$1551.33	Total: 5
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1		27.42	50		00	00 34.43	Equip for Install: Ex Komatsu 200 - Komatsu Loader 250 JD 410 Backhoe -	Ex Komatsu 200 - Komatsu Loader 250 - JD 410Backhoe -	Komatsu Loader 250 JB-410 Backhoe
		17.00 510.00	1.00 570.50		22.50 450.00		Equip f Ex Kom Komate JD 410	Ex Kon Komats JD 410	Komata JD 410
+		30.00	0.50 21.00	/	2	30.00 (15.00			
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+	00 01 00 01	0.0	2.00 10.00 10.00 10.00			10.00 10.00 10.00	Conduit Install: 17x15=\$255.00 14x15=\$210.00 15x15=\$225.00 15x15=\$225.00 16x15=\$225.00	Precast SET II 17x9=\$153.00 14x9=\$126.00 15x9=\$135.00 16x9=\$144.00	-RCP CLIV III. 47x2=834.00 14x2=828.00 15x2=830.00
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NAME OF CONTRACTOR OR SUBCONTRACTOR PATIN CONSTRUCTION LLC	R SUBCONTR	ACTOR 🗆	- S729							ADDRES	5S 380 TAY	ADDRESS 3800 W 2ND STREET TAYLOR TX 76574	TREET 574						
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# HOLT ENGINEERING, INC.

2220 Barton Skyway; Austin, Texas 78704 Ph. 512-447-8166 Fax 512-447-0852

# ATTERBERG LIMITS REPORT NO. 02

PROJECT:

Arterial H - Phase 1

REPORT DATE:

16 August 2017

LOCATION:

Sam Bass Road & Arterial H

FILE NO.:

07-27916

LOCATION.

Sam Bass Road & Arterial M

Round Rock, Texas 78681

WORK ORDER NO:

1607.7

CLIENT:

Patin Construction, LLC

1

3800 West 2<sup>nd</sup> Street Taylor, Texas 76574 DATES SAMPLED:

08-10-17 and 08-14-17

ATTN .:

Mr. Jimmy Patin

REPORT OF:

Atterberg Limits (ASTM D-4318)

MATERIAL DESCRIPTION:

Red and Brown Clay

2 Brown Clay

3 Brown Clay

MATERIAL SOURCE:

On-Site- Cut Subgrade in Roadway

### ATTERBERG LIMITS (ASTM D-4318):

NO.	SAMPLE LOCATION	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX
1	Arteria Dr., Sta. 13+00	36	17	19
	(Material 1)			
2	Arteria Dr., Sta. 19+50	35	16	19
	(Material 2)			
3	Arteria Dr., Sta. 23+00	49	19	30
	(Material 3)			

22+50+0 26+75 - undercut i' And the lower Pl material was added.

Travis H. Bryant, P.E. Project Engineer Holt Engineering, Inc.

TBPE Registration No. F-430

TRAVIS H. BRYANT

9. 115527

CENSEO.



	REQUEST FOR	R INFORMATION F	ORM	
RFI NO.:	5	DATE:	9/12/17	
PROJECT:	1613-064 Arterial H	RESPONSE	REQUESTED BY	1
то:	R. Brent Jones, P.E.		9/20/17	
REFERENCE PROBLEM:	: Plan Sheet 28, 29, 112.			
The plans call	for open back curb inlets that are 14.5	50' wide without a backw	all and they are 10 o	r 15 feet long.
We would like of the inlet and The swale can	DED SOLUTION:  to propose to use a standard curb inle place an SET on the pipe. This will el be adjusted to accommodate this solu ceptable, provide size of pipe for inlets	liminate the need to prot ution. This is similar to th	ect any drop offe alor	na the sidewalk
	Clayton K. Weber, HNTB Originator		schberger, P.E. pervisor	1

### RESPONSE:

The proposal to use a standard curb inlet is acceptable. RJ recommends using at least an 18" RCP. The swales may be adjusted withing the easement as long as they maintain the plan length and slope. Additionally RJ recommends the connecting RCP from curb inlet to SET be CLASS IV if two feet of cover are not provided. If a concrete collar is used it should be doweled into the curb structure. Reduced pipe clearance is only allowed for inlets #11 and #13 as long as 18" pipe cross sectional flow area is not reduced to less than 60%.

TSPAEL PANDZEZ P.E.
Responder

Date

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

Mail original to:

**HNTB** Corporation

101 E. Old Settlers Blvd.

Ste. 100

Round Rock, Tx 78664

Attachments to RFI:

Cc: