



PCO #026

Ratcliff Constructors, LP  
4200 Beltway Drive  
Addison, Texas 75001  
Phone: (972) 432-9969  
Fax: (972) 432-9943

Project: 21-501 - Collin County Adult Detention Facility, Phase 1 Addition  
4300 Community Avenue  
McKinney, Texas 75071

## Prime Contract Potential Change Order #026: Primary Power Conduit Size Change

TO:	Collin County 4600 Community Avenue McKinney Texas, 75071	FROM:	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
PCO NUMBER/REVISION:	026 / 0	CONTRACT:	1 - Collin County Adult Detention Facility, Phase 1 Addition Prime Contract
REQUEST RECEIVED FROM:		CREATED BY:	CJ Perry (Ratcliff Constructors, LP)
STATUS:	Pending - In Review	CREATED DATE:	10/25 /2022
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
		TOTAL AMOUNT:	(\$6,486.49)

POTENTIAL CHANGE ORDER TITLE: Primary Power Conduit Size Change

CHANGE REASON: Allowance

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*  
Primary Power Conduit Size Change

Per RFI #91 RESPONSE from MD Engineering, it is acceptable to use 4" conduit in lieu of 5" from the vault to the medium voltage transformer. The conduit inside the vault is 4". Additionally, 4" conduit is more readily available than 5". Attached is pricing for a CREDIT of 5" conduit and an ADD for 4" conduit resulting in a net CREDIT. See backup.

ATTACHMENTS:

#	Cost Code	Description	Type	Amount
1	26-100 - Electrical	Primary Power Conduit Size Change	Subcontractor	(\$6,486.49)
Subtotal:				(\$6,486.49)
Grand Total:				(\$6,486.49)

Michael Woods (Brinkley Sargent  
Wiginton Architects)

5000 Quorum Drive, Suite 600  
Dallas Texas 75254

10-28-2022

SIGNATURE

DATE

Collin County

4600 Community Avenue  
McKinney Texas 75071

SIGNATURE

DATE

Ratcliff Constructors, LP

4200 Beltway Drive  
Addison Texas 75001

SIGNATURE

DATE



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**Project: 21-501 Collin County Adult Detention  
Facility, Phase 1 Addition**  
4300 Community Avenue  
McKinney, Texas 75071

## RFI #91: Vault Conduit Sizing

<b>Status</b>	Open		
<b>To</b>	Michael Woods (Brinkley Sargent Wiginton Architects) Jason Mansur (MD Engineering, LLP - MEP Engineer)	<b>From</b>	Zach Reynolds (Ratcliff Constructors, LP) 4200 Beltway Drive Addison, Texas 75001
<b>Date Initiated</b>	Sep 22, 2022	<b>Due Date</b>	Sep 25, 2022
<b>Location</b>		<b>Project Stage</b>	Course of Construction
<b>Cost Impact</b>	No	<b>Schedule Impact</b>	No
<b>Spec Section</b>		<b>Cost Code</b>	
<b>Drawing Number</b>		<b>Reference</b>	
<b>Linked Drawings</b>			
<b>Received From</b>	Steven Phillips (Velex SI, Inc.)		
<b>Copies To</b>	Bill Burke (Collin County), Brad Harris (Collin County), Brian Odom (Ratcliff Constructors, LP), CJ Perry (Ratcliff Constructors, LP), Scott Trcka (Ratcliff Constructors, LP), Shane Worley (Ratcliff Constructors, LP)		

### Activity

<b>Question</b>	<b>Question from Zach Reynolds Ratcliff Constructors, LP on Thursday, Sep 22, 2022 at 02:55 PM CDT</b> The existing holes in the vault are roughly 4". Please confirm if it is acceptable to install 4" conduits between the vault and the medium voltage transformer in lieu of the 5" as 5" is not readily available and the vault holes are already 4".
<b>Official Response</b>	<b>Response from Jason Mansur MD Engineering, LLP - MEP Engineer on Monday, Sep 26, 2022 at 08:04 AM CDT</b> 4" conduit is acceptable. Randell R. Jepsen, P.E.   Director   MD Engineering



Frisco, TX 75034 [www.velex.com](http://www.velex.com)  
(949) 235-8885 | [rfq@velex.com](mailto:rfq@velex.com)

**Date:** 10-18-22

**Project:** Collin County Adult Detention Facility – PCO#3

**Proposed Change Order Total**.....-\$6,486.48

**SCOPE:** Credit for approx. 330 LF of 5" conduit associated with primary power installation. Per Vexex SI RFI #8, 4" conduit is acceptable for primary power.

**PRICING BREAKDOWN:**

5" Conduit	-\$18,489.90
4" Conduit	\$12,003.41
<b>Total</b>	<b>-\$6,486.48</b>

49

**EXCLUSIONS:**

Any work listed outside of this scope.

**ASSUMPTIONS:**

Proposal good for 15-days from date of proposal. Subject to revision after such date.

Proposal subject to any government-imposed tariff imposed after proposal date.

Project to be performed during Monday-Friday, 7:00a.m. – 3:30p.m.

Holiday, weekend, and overtime hours not included.

Respectfully submitted,

*Steven Phillips*

Steven Phillips

Project Manager

[Steven.phillips@velexsi.com](mailto:Steven.phillips@velexsi.com)

## 5" Conduit

Attributes	Item Description	Qty	Total Mat. \$
5"	Conduit - PVC 40 10' Lengths	185.000	-\$2,025.66
5"	Conduit - RMC Galvanized 10' Lengths	145.000	-\$6,028.50
5" x 30" Radius	Sweep Elbow 90 Degree - RMC Galvanized PVC Coated	10.000	-\$9,507.30
5"	Coupling - RMC Galvanized	3.000	-\$203.79
5"	Bushing - Plastic 105 Degree	2.000	-\$20.44
5"	Locknut - Steel	4.000	-\$337.68
5"	2-Piece Strut Clamp - RMC / IMC Steel Zinc Plated	14.796	-\$218.50
	Beam Clamp Up to 5/8" Plated Steel w/ 1/4-20 Threaded Hole	14.796	-\$10.53
1/4-20 x 1/2" L	Hex Head Bolt - Plated Steel Grade 2	14.796	-\$6.44
1-5/8" D	1-5/8" W Channel w/ Slotted Holes - Steel Pre-Galvanized 12 Gauge 10' Lengths	7.398	-\$25.70
	Accessories 5" PVC Conduit-Medium voltage( Elbow 90 degree pvc 40, coupling, male adapter)	1.000	-\$105.36

**TOTAL**

**- \$18,489.90**

## 4" Conduit

Attributes	Item Description	Qty	Total Mat. \$
4"	Conduit - PVC 40 10' Lengths	185.000	\$1,577.57
4"	Conduit - RMC Galvanized 10' Lengths	145.000	\$3,604.16
4"	Elbow 90 Degree - PVC 40	2.000	\$44.41
4" x 30" Radius	Sweep Elbow 90 Degree - RMC Galvanized PVC Coated	10.000	\$6,564.47
4"	Coupling - PVC	2.000	\$6.97
4"	Coupling - RMC Galvanized	3.000	\$69.40
4"	Bushing - Plastic 105 Degree	2.000	\$3.00
4"	Locknut - Steel	4.000	\$23.45
4"	Male Adapter - PVC Socket to Box	2.000	\$8.18
4"	2-Piece Strut Clamp - RMC / IMC Steel Zinc Plated	14.796	\$55.51
	Beam Clamp Up to 5/8" Plated Steel w/ 1/4-20 Threaded Hole	14.796	\$11.58
1/4-20 x 1/2" L	Hex Head Bolt - Plated Steel Grade 2	14.796	\$6.44
1-5/8" D	1-5/8" W Channel w/ Slotted Holes - Steel Pre-Galvanized 12 Gauge 10' Lengths	7.398	\$28.27

**TOTAL**

**\$12,003.41**