

Change Order Form



Project Title: Ankeny Fire Station No. 3
Contractor: DDVI, Inc.
Address: 1817 North 7th Street - Indianola, Iowa 50125
Finance Budget Code: 923.1923.4412 **Finance Project Code:** 923.4412
Vendor Project or Invoice #: PO # 0
Original Contract Date: January 0, 1900 **Vendor #** 3749

Change Order Number: 2

Change Order Date: October 16, 2017

Purpose of Change Order:

Additional working days and compensation for the extra site work, exploration work, utility locating, additional conduit runs, connections to transformers, and coordination needed to facilitate the relocation of the three phase MidAmerican electric cable to a location outside of the building footprint.

Details of Change Order:

ITEM	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1	Electric Conduits, Connections, etc. (Jaspering)	LS	1	\$ 10,040.14	\$ 10,040.14
2	Earthwork, Grading, Locates, etc. (Sandstone)	LS	1	\$ 4,752.00	\$ 4,752.00
3	Sitework (DDVI)	LS	1	\$ 500.00	\$ 500.00
4	Markup / Bonds	LS	1	\$ 1,203.79	\$ 1,203.79
5					\$ -
6					\$ -
7					\$ -
8					\$ -
9					\$ -
10					\$ -

Change Order Number 2 makes the following adjustments to the contract: \$ 16,495.93

Contractor Accepted: DDVI, Inc.

By: Gina Piper

Date: 10/9/17

Engineer Approved: SVPA Architects Inc.

By: Robert F. Clark

Date: 10/9/2017

Owner Accepted: City of Ankeny *RM 10/09/17*

By: Title:

Date:

Attest for Owner:

By: Title:

Date:

Record of Change Orders

#	Date	Amount
Original Contract amount		\$3,305,000.00
1	10/16/2017	\$6,921.88
2	10/16/2017	\$16,495.93
3		
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15		
16		
17		
18		
19		
20		
Revised Contract amount		\$3,328,417.81

DDVI

General Contractor

Remittance Address: P.O. Box 743 - Indianola, Iowa 50125

Physical Address: 1817 North 7th Street - Indianola, Iowa 50125

515-962-2176 ph/515-962-2199 fax

PROJECT

Ankeny Fire Station #3

Project #17-594

PR#	1
CO#	2

Cost for Proposed Change 2

DATE: 09/18/17

ARCHITECT: SVPA

DESCRIPTION: Revised site electrical scope of work
*does not include any work to the wellfield

Approved	
Gina	
JC	
Sub	
Field	

Contractor:	Description	Total
DDVI	Relocate Temp Fence	\$0.00
	DDVI 10 hours@\$50/hr	\$500.00

DDVI total: \$500.00

Jaspering \$10,040.14
Sandstone \$4,752.00

\$0.00

\$0.00

\$0.00

Sub Total: \$14,792.14

DDVI Markup (10%) \$50.00

Sub Markup (5%) \$739.61

Bonds/Ins on sub (2.8%) \$414.18

Cost for Proposed Change 2 \$16,495.93

NOTE: We are requesting a (28) day time extension

SVPA Architects Inc.

- ☒ Approved
- ☐ Not Recommended
- ☐ Owner Prerogative

Bob Ormsby, 9/29/2017

Note: 20 day extension approved

AIA® Document G709™ – 2001

Work Changes Proposal Request

PROJECT (Name and address):

Waukegan Fire Station #3
Intersection of NE Otter Creek Drive
and NE 36th Street, Waukegan, Iowa

PROPOSAL REQUEST NUMBER: 001

DATE OF ISSUE: September 18, 2017

OWNER: ☐

ARCHITECT: ☐

CONSULTANT: ☐

CONTRACTOR: ☐

FIELD: ☐

OTHER: ☐

OWNER (Name and address):

City of Waukegan
410 West First Street
Waukegan, IL 50023-1557

CONTRACT FOR: General Construction

CONTRACT DATE: July 17, 2017

FROM ARCHITECT (Name and address):

Savage-Ver Ploeg & Associates
Architects Inc. dba SVP Architects
Inc.
1466 28th Street, Suite 200
West Des Moines, IA 50266

ARCHITECT'S PROJECT NUMBER: 16022

TO CONTRACTOR (Name and address):

DDVI, Inc.
PO Box 743
1817 N. 7th Street
Indianola, IA 50125

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. Within Zero (0) days, the Contractor must submit this proposal or notify the architect, in writing, of the date on which proposal submission is anticipated.

THIS IS NOT A CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE OR DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

DESCRIPTION (Insert a written description of the Work):

Revised Site Electrical Scope of Work:

1. Refer to attached Midwestern Energy drawing and revised E001 for revised scope of work for site electrical

ATTACHMENTS (List attached documents that support description):

- (1) Full Size Midwestern Energy Scope of Electrical Site Work
- (1) Full Size Drawing E001

REQUESTED BY THE ARCHITECT:

-See attached digital signatures page-
(Signature)

Robert T. Ormsby, LEED AP, Vice
President/Secretary
(Printed name and title)

Digital Signatures Page



MidAmerican Energy Company
200 S.E. 3rd Street
Des Moines, IA 50309

September 11, 2017

City of Ankeny
410 W 1st Street
Ankeny, Iowa 50021

Reference: Electric service to new Ankeny Fire Station #3 – 1360 NE 36th St
WMIS 2626138 – revised

Dear Customer:

The enclosed drawing shows MidAmerican Energy Company's proposal to provide the underground primary distribution system and pad mounted transformers for the applicant's 120/208 volt, three-phase four-wire, and 800 amp underground electric service for the above project. There is no applicant's charge for this installation. This proposal is valid for 90 days and if MidAmerican Energy Company construction has not commenced within 12 months it may be voided. This proposal is subject to the following terms:

MidAmerican Energy Company Proposes To:

1. Furnish and install the pad mounted transformer at the location shown on the enclosed drawing.
2. Furnish and install underground primary cable between the transformer and MidAmerican Energy Company's distribution system in customer-installed conduit.
3. Connect the primary and secondary cables at the transformer.
4. Furnish instrument transformers as required for metering (**above 1200 amp**), which may be picked up at MidAmerican Energy Company's storeroom.
5. Furnish and install the applicable electric meter(s).

The Applicant Agrees To:

1. Furnish and install the transformer pad including specified elbows and ducts, according to the enclosed transformer pad drawings and minimum specifications. A level graded, 10 foot minimum clearance is to be maintained from the front of the pad to the nearest fixed structure.

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2. Furnish and install an additional secondary duct for temporary service (if required).
3. **Furnish, install, own and maintain all 4-inch ducts as shown on attached prints. All ducts shall be black w/red stripe or grey in color, PVC type schedule 40 or schedule 40 HDPE coil-able. Applicant shall install the ducts forty-two (42) inches below finish grade with capped and staked ends and equipped with pull wires. MidAmerican Energy Company will provide marker balls for the duct ends. These are available at MidAmerican Energy Company's storeroom. Applicant is responsible for correct placement and depth of conduit.**
4. All duct elbows shall be fiberglass, forty-eight (48) inches in radius, heavy wall, with factory assembled plastic couplings on each end to mate with schedule 40 PVC duct.
5. Furnish and install barrier walls around the transformer that may be required by the governing authorities' standards to shield windows, doors and other building openings.
6. Furnish and install guard posts around the transformer (if needed).
7. Notify MidAmerican Energy Company 24 hours before pouring the concrete transformer pad. Please contact me at (515) 281-2260 to arrange for inspection.
8. Furnish, install, own, and maintain all secondary cable between the transformer and the metering point.
9. Furnish easements to MidAmerican Energy Company without cost. (Furnish survey drawing and/or legal description for easement preparation.) If a 3rd party easement is required any cost associated in obtaining the easement will be paid by the applicant.
10. Install metering instrument transformers sized and furnished by MidAmerican Energy Company, and furnish and install the meter test switch for all services above 1200 Amp.
11. Furnish and install an electric meter setting for each tenant, applicable sockets, conduit, cabinets and wiring according to MidAmerican Energy Company's standards.
12. **Furnish and install an oil containment structure (moat) around MidAmerican Energy Company's transformer. Please note the required specification for the oil containment structure is located on the design print provided with this proposal and in MidAmerican Energy Company's Electric Service Manual (curb style containment structure is not acceptable).**

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13. Locate all underground facilities such as storm and sanitary sewer, septic lines, underground electric cable, communication cable, irrigation systems and water lines that are not located by members of One Call. MidAmerican Energy Company assumes no liability for private facilities not located.
14. Be responsible for complying with all aspects of compliance as required by any local, state, or federal permit or plan associated with storm water pollution prevention or erosion control. It is specifically understood and agreed that MidAmerican Energy Company is providing the service requested by the Applicant solely for the Applicant. MidAmerican Energy Company will not become or agree to become a co-permittee or operator for the purpose of applicants' compliance with any local, state or federal permit or plan associated with storm water pollution prevention or erosion control.
15. Stake all necessary lot lines, corners and buildings before installation of the primary cable.

All meter and related metering equipment locations shall be approved by the company. Unless Company approval of an exception is given, all meters and related meter equipment must be installed outside and securely attached to permanent structure.

MidAmerican Energy Company will not hook up permanent electric service until the oil containment structure is installed around the transformer.

If MidAmerican Energy Company is required to start construction of underground electric facilities during the winter season, the work will be subject to an additional winter construction charge of \$4.84 per foot.

There is an additional charge for connecting and disconnecting your temporary construction power pole. If this additional service is required, MidAmerican Energy Company will bill the Applicant accordingly.

The undersigned certifies that the structure served by the electric distribution system meets the energy conservation standards as contained in the Iowa Administrative Code Section 661-16.800 sometimes known as the "State Building Code Thermal and Lighting Efficiency Standards."

MidAmerican Energy Company installed facilities will remain the property of MidAmerican Energy Company.

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*****The cable will be relocated at the same time as we pull in wire in your customer own conduit and set the transformer*******

If this proposal is satisfactory, please sign and return one copy to me. MidAmerican Energy Company will release the work for scheduling upon receipt of the signed proposal and easements. If you have questions, please call me at (515) 281-2260.

Sincerely,
MidAmerican Energy Company


Theresa M. McGuire
Customer Technician

Enclosures:

Accepted By: _____

Date: _____ Date Service Required: _____

Morgan Clutter

From: Rich Piper <rich@ddvi.net>
Sent: Tuesday, September 19, 2017 8:31 AM
To: Morgan Clutter
Subject: FW: Revised proposal for the Ankeny fire station # 3
Attachments: [Untitled].pdf

-----Original Message-----

From: Paul Moritz [<mailto:PMoritz@Ankenylowa.gov>]
Sent: Monday, September 11, 2017 5:32 PM
To: Bob Ormsby - SVPA Architects (r-ormsby@svpa-architects.com) <r-ormsby@svpa-architects.com>; Don Marner (dpmarner@snyder-associates.com) <dpmarner@snyder-associates.com>; Rich Piper <rich@ddvi.net>; Chris Borst <chris@ddvi.net>
Cc: James Clack <JClack@Ankenylowa.gov>; David Jones <DJones@Ankenylowa.gov>
Subject: FW: Revised proposal for the Ankeny fire station # 3

Attached is the revised proposal that I just received from MidAmerican Energy to accommodate the power relocation and service to the station site. I find that the plan view is hard to read, but maybe your printer is better than the city equipment. I read thru the permit language and do not see any issues with the permit stipulations, and it reads similar to the initial permit that I signed. Unless one of you see something that causes a problem, I intend to sign this permit as soon as I receive the hard copy in the mail from Theresa.

Theresa sent a follow-up e-mail of explanation to Rich, Chris and I. I will forward that to Bob and Don so that they have this additional information as well. The changes caused by this proposal revision need to be verified and initiated asap so that the station construction progresses. Thanks.

Paul Moritz | Assistant City Manager
City of Ankeny

-----Original Message-----

From: McGuire, Theresa M [<mailto:TMMcGuire@midamerican.com>]
Sent: Monday, September 11, 2017 2:10 PM
To: Paul Moritz
Subject: FW: Revised proposal for the Ankeny fire station # 3

Paul,

Attached is the revised proposal for the Ankeny Fire Station # 3 - please review and signed and get it back to me.

Thanks,

Theresa

-----Original Message-----

From: DM2G2 HP 5035mfp [<mailto:mfd@midamerican.com>]
Sent: Monday, September 11, 2017 2:04 PM
To: McGuire, Theresa M <TMMcGuire@midamerican.com>
Subject:



15 SCHOOL STREET
P.O. BOX 547
CARLISLE, IOWA 50047
PH 515-989-0557 FX 515-989-4447

CHANGE ORDER REQUEST

SANDSTONE CHANGE ORDER
#01-07-11-17

ATTENTION: RICH PIPER

JOB NAME: ANKENY FIRE STATION

DESCRIPTION OF WORK CHANGE: (EXTRA POTSUCKING FOR UTILITIES THROUGHOUT THE SITE)

ADD/DEDUCT TO CONTRACT AMOUNT: \$4,752.00

TOTAL CONTRACT TO DATE: \$268,452.00

CHANGE REQUESTED BY: RICH

CHANGE APPROVED BY: RICH

THIS REQUEST DELIVERED TO

BY TELEPHONE BY FAX (X) HAND CARRIED U.S. MAIL (X) THIS DATE: 09-19-17

SANDSTONE MANAGEMENT LTD.
(CONTRACTOR)

PO BOX 547
CARLISLE, IA 50047

BY: _____

SIGNATURE: _____

DATE:

DESCRIPTION OF WORK:	LFT	LGTH	WDTH	DPTH	CYD	SFT	UNITS	TON	\$ LFT	\$ CYD	\$ SFT	\$ UNITS	\$ TON	TOTAL	BID TOTAL
					0.0	0.0		0.00						\$0.00	\$0.00
POTSUCK EXISTING UTILITIES					0.0	0.0		0.00						\$0.00	\$0.00
					0.0	0.0		0.00						\$0.00	\$0.00
POTSUCK UTILITIES (PHT 169)					0.0	0.0	18.00	0.00				\$185.00		\$3,330.00	\$3,330.00
LABOR TO ASSIST					0.0	0.0	18.00	0.00				\$55.00		\$990.00	\$4,320.00
					0.0	0.0		0.00						\$0.00	\$4,320.00
OH & P					0.0	0.0	0.10	0.00				\$4,320.00		\$432.00	\$4,752.00
					0.0	0.0		0.00						\$0.00	\$4,752.00
														\$4,752.00	

Sandstone

Rich Piper

From: Matt Bengtson <matt@sandstonemgmt.com>
Sent: Tuesday, September 19, 2017 9:54 AM
To: Rich Piper
Subject: Re: FW: Ankeny Fire Station PR 1
Attachments: ANKENY FIRE - CO #1.pdf

Rich,

Attached is our change order for this.

Thanks!

On Tue, Sep 19, 2017 at 8:56 AM, Rich Piper <rich@ddvi.net> wrote:

From: Morgan Clutter [mailto:morgan@ddvi.net]
Sent: Tuesday, September 19, 2017 8:42 AM
To: Ace Construction- Acey <acejr@acesteelconstructioninc.com>; Advanced Door Systems- Scott <scotte@ads-doors.com>; All Star Concrete- Joel <jibarra@allstarconcreteiowa.com>; Aone <aonegeothermal@msn.com>; Artistic Concrete- Dalton <dalton.moore@artisticconcreteinc.com>; ASI- Jason <jason.flatthers@asisignage.com>; Central Western- Todd <tkillion@centralwestern.net>; Central States Roofing- Scott <scott@csroofing.com>; Construction Specialties <carlin3232@yahoo.com>; Cunningham- Kyle <kanderson@cunninghaminc.com>; Cunningham- Will <wroberts@cunninghaminc.com>; Doors Inc- Marv <mdelmott@doorsinciowa.com>; EPCO <steve@epco.com>; Exterior Sheet Metal- Tim <timschwarz@exteriorssheetmetal.com>; Fletcher Wood- Joseph <joejackson@fletcherwoodproducts.com>; GP Enterprises <gpcaulking@gmail.com>; Jarnagin- Jared <jwillson@jarnaginpainting.com>; Jaspering Electric- Jeff <jeffj@jasperingelectric.com>; Jerry Atcheson <jerrya@hsi123.com>; Jim's Carpet- Nate <natek@jimscarpets.com>; JSS- Jeff <jeff.kovacevich@jssiowa.com>; Midwest Masonry- Asim <asim@midwestmasonrycorp.com>; MWAFFS- Colin <colinlyddon@midwestfiresprinkler.com>; Orning Glass- John ; Pole Tech <info@poletech.com>; Premier Edge <corporate@pei-wt.com>; Quality Striping <jake@qualitystriping.com>; Sandstone <brandon@sandstonemgmt.com>; Snyder & Associates - Ted <tjansen@snyder-associates.com>; Soil-Tek- Rob <rob@soil-tek.com>; Stetsons- Larry <larry.britt@stetsons.com>; Storage & Design- Craig <craig.storageanddesigngroup@gmail.com>
Cc: Rich Piper <Rich@DDVI.Net>
Subject: Ankeny Fire Station PR 1

All,

Please review PR 1 at the Ankeny Fire Station.



Jaspering Electric

2716 SE 5th, Suite 2 Ames, IA 50010
Phone: 515.232.4276 Fax: 515.663.8890
e-mail: jeff@jasperingelectric.com

Change Request

Date: 9/15/2017

To: DDVI
Attn:

Job: Ankeny Fire Station #3

Change Request: CR

Drawing:

Description:

Install 4" PVC for Primary cable supplied by MidAmerican.

Labor:	\$75/ Hour	41.80 hours	\$ 3,135.00
Material			\$ 5,595.56
15% Mark up			\$ 1,309.58
5% Sub Mark up			\$ -
Total			\$ 10,040.14

CR

[illegible]

SASP

Rich Piper

From: Jeff Jorgensen <jeffj@jasperingelectric.com>
Sent: Friday, September 15, 2017 6:57 AM
To: 'Rich Piper'
Subject: Ankeny Fire Station Primary conduit.
Attachments: Ankeny Fire Station CR Primary Conduit.pdf

Rich,
Have attached a CR for the new primary conduits.

Thanks
Jeff

Jeff Jorgensen
Project Manager

Jaspering Electric Inc.
2716 SE 5th Suite 2
Ames, IA 50010
Phone: 515-232-4276
Fax: 515-663-8890
Cell: 515-203-6966
jeffj@jasperingelectric.com

Days		Action
Date:	Delayed	
8/23/2017	0	Conference call with SVPA and City of Ankeny about time frame for Mid Am
8/28/2017	0	Transformer pad formed
8/31/2017	0	Transformer pad inspected by MID AM and poured
8/31/2017	0	Request made to relocate power by Mid AM
8/31/2017	0	pot hole to locate Mid Am line, by Sandstone.
9/6/2017	4	still can not locate Mid Am power line, per locates
9/6/2017	0	met with Theresa from Mid Am and Don Marner, to determine course of action to locate existing MID AM line
9/7/2017	1	2nd meeting with Theresa at Mid Am, to discuss the re location of 2nd mid am line to the pump house
9/11/2017	2	new contract from Mid Am to City of Ankeny has been developed
9/18/2017	5	new PR for the relocation of additional lines was created.
9/27/2017	6	PR turned into SVPA
9/29/2017	5	SVPA to review approval
Total Days:	23	
9/27/2017	2	Request locates for the new lines
10/1/2017	3	start the relocation process
10/4/2017	0	finish the relocation process.
Total Days:	28	
for PR # 1		

Rich Piper

From: McGuire, Theresa M <TMMcGuire@midamerican.com>
Sent: Thursday, September 7, 2017 7:03 AM
To: Rich Piper
Subject: RE: RE: Fire station #3

Rich,

I am reaching out to my supervisor (Eric Heikes) not the install supervisor for direction. I have send you an invite for a meeting today at 12:30 to talk about relocating the primary line that feeds the pump station – I am hoping to have some direction on how the primary line can be located.

See you at 12:30

Theresa

From: Rich Piper [mailto:rich@ddvi.net]
Sent: Wednesday, September 06, 2017 5:12 PM
To: 'Chris Borst' <chris@ddvi.net>; McGuire, Theresa M <TMMcGuire@midamerican.com>; rich piper <rich@ddvi.net>
Cc: 'Paul Moritz' <PMoritz@Ankenylowa.gov>; r-ormsby@svpa-architects.com; 'Don Marner' <dpmarner@snyder-associates.com>; 'Teena Kloth' <office@jasperingelectric.com>; 'Jeff Jorgensen' <jeffj@jasperingelectric.com>
Subject: [INTERNET] RE: Fire station #3

**** STOP. THINK. External Email ****

Theresa,

Thanks for meeting with Chris, Jeff and myself this afternoon, on site. Per our conversation you were going to reach out to the "install" supervisor, at Mid Am, to indicate when they could mobilize and get on site to help locate the existing power line from the south side of the property to the north transformer, and ultimately make the "switch". Per our conversation you were also going to reach out to Courtney, in engineering, for a site visit. We hope to have a meeting with Courtney tomorrow around noon. Let us know if this time frame will still work for tomorrow.

Thanks Rich Piper

From: Rich Piper [mailto:rich@ddvi.net]
Sent: Wednesday, September 6, 2017 9:03 AM
To: 'Chris Borst' <chris@ddvi.net>; 'McGuire, Theresa M' <TMMcGuire@midamerican.com>; rich piper <rich@ddvi.net>
Cc: 'Paul Moritz' <PMoritz@Ankenylowa.gov>; r-ormsby@svpa-architects.com; 'Don Marner' <dpmarner@snyder-associates.com>; Teena Kloth <office@jasperingelectric.com>; 'Jeff Jorgensen' <jeffj@jasperingelectric.com>
Subject: RE: Fire station #3

All,

As a follow-up to various conversations about the switching over of the power.

Don, met with us on site yesterday afternoon and saw the challenges we are having with the existing line servicing the existing transformer on the hill and the existing line that feeds the pump house from the existing transformer. Presently the line to the existing pump house is in the middle of an 8 foot "CUT" in dirt elevation and will need to be relocated. This is located NORTH of our new building pad. I would like some type of verification that the line in question does run the pump house and generator to the west of our project. This will need to be relocated to do any dirt work in the future and the work will need to be coordinated so that the power to the pump house is NOT disrupted. This appears to be a private line.

DDVI and Jaspering Electric will meet with Theresa of Mid Am, at 12 or 12:15 this afternoon to identify or attempt to identify the location of the existing power line running from south to north to the existing transformer on the hill. Presently we have "pot hole" and excavated over 10 feet and we cannot find the mid am line servicing the existing transformer. Until this line is identified and relocated we cannot complete the building pad excavation. Presently Sandstone has pulled off site.

Jaspering has ran their conduit from the new transformer pad to within 10 feet of the existing line on the north side of the building pad and they have installed it within 10 feet of the existing line on the south side of the building pad. The transformer pad was poured last week. Jaspering has installed the new conduit, for service, around the west side of the building.

Per my conversation with Theresa at Mid Am, she has placed the order for the tie in, assuming we do not uncover an additional issue at 12:15 today.

Feel free to attend this meeting at 12, today if you have any time.

Thanks Rich Piper

From: Chris Borst [<mailto:chris@ddvi.net>]

Sent: Tuesday, September 5, 2017 1:52 PM

To: 'McGuire, Theresa M' <TMMcGuire@midamerican.com>; Rich Piper <rich@ddvi.net>; Matt Van Mannen <Matt@vanmaanenelectric.com>

Cc: Paul Moritz <PMoritz@Ankenylowa.gov>; r-ormsby@svpa-architects.com

Subject: Fire station #3

Theresa, I just spoke with Bruce he thought it would be best to reach out to you, The transformer pad is poured and can you tell me what Mid Ams schedule is to relocate the line. We would also like to meet on site to review the grading and weather or not the service could be exposed at the parking lot to the North. Thanks

Could you give me a call 515-729-4288.

Rich Piper

From: Chris Borst <chris@ddvi.net>
Sent: Thursday, September 7, 2017 1:26 PM
To: 'McGuire, Theresa M'; Don Marner; r-ormsby@svpa-architects.com; Paul Moritz; Rich Piper; brandon@sandstonemgmt.com
Subject: Mid Am meeting notes

All, Thank you to those of you who attended the meeting today.

Due to some existing electric underground lines at the north side of the building site it has become necessary to get Mid Am involved. there are really two issues one the line to be relocated runs uphill at the area that will become parking lot. The existing depth of this line is in the 5 foot range below existing grade in this area about 8 feet of dirt needs to be removed. Due to this condition this line will need to be moved. Mid Am is going to design this and get it to the city. The second issue is the line that runs over to the transformer by the pumphouse. The line is about 5 feet below the existing grade and there is about 8 feet of cut or dirt that needs to be removed. This line will also need to move, Mid Am is going to design something for this.

Mid Am today has told us that the plan will more than likely be to relocate the North Line that was to connect to the existing line will now be relocated West from the transformer pad and the pumphouse transformer loop will move out to the West and North following a path out side our construction fence to the North transformer.

During our conversation today Mid Am has enforced that digging over the existing line to install footings would not be something that they would like to see. This line is not in conduit it is direct bury cable.

Paul and Bob I have asked Mid Am to reach out to you as the city will have to make the decisions on how to proceed. Any questions I can be reached at 515-729-4288

Rich Piper

From: Chris Borst <chris@ddvi.net>
Sent: Monday, September 11, 2017 3:11 PM
To: 'McGuire, Theresa M'; 'Rich Piper'; pmoritz@ci.ankeny.ia.us
Cc: r-ormsby@svpa-architects.com
Subject: RE: Ankeny Firehouse

[Theresa, Thank you for your site visits and help with this.](#)

From: McGuire, Theresa M [mailto:TMMcGuire@midamerican.com]
Sent: Monday, September 11, 2017 2:14 PM
To: Rich Piper; pmoritz@ci.ankeny.ia.us; 'chris@ddvi.net'
Subject: FW: Ankeny Firehouse
Importance: High

I have emailed Paul Moritz a copy of the revised proposal this afternoon and will put hard copy in the mail that will go out tomorrow.

Here are Courtney comments:

Attached is a new print for work needing to be done at the Ankeny Fire station on NE 36th St. The customer will need to install the 2 new spans of conduit, as shown on the print. The conduit is to come from the new transformer location to the existing pump station transformer. It will then come from the existing pump station transformer to the transformer to the North. The reason for this relocation work is because it was found, out in the field, that the existing conduits are too shallow for the new grade.

In order for the electrician to install the required conduit, he will need to request 2 DORs (outages) to be able to stub the conduits up into the existing transformers. The length of outage depends on the amount of time it takes the electrician to complete his work. *It would be preferred if the electrician makes sure the new conduits are toward the front, or in front of, the existing conduits/cables in the transformer.* The electrician has the option to try to coordinate with our crews to stub up the conduits into the transformers at the same time an outage is scheduled by the crews for their work, to eliminate outages by the electrician. This would only be suggested if there is no room in the existing transformers to stub up the conduits.

Our crews will do all necessary prep work before shutting off the power to convert to the new route. This will be the boring underneath the street and pulling the cable through the conduit up to the new transformer location. Pulling the cable through the conduit to the existing transformers will need to be done when the line is de-energized. *If* the conduits are placed in the preferred location and *if* there is enough room, the crews *might* be able to pull the cable through the conduits to the existing transformers while they are energized. This is more in likely not going to happen but if it does, this will be cause the least amount of outage for the upstream customers.

It is our intention to only cause an 8 hour outage but if certain circumstances come up, the outage could last up to 48 hours. It would be suggested that the customers on this line that require constant power to make sure they have a backup during this time. The only customers that would be affected by this outage are the customers on 3 phase transformers. All the homes on NE Otter Creek Dr are served from another location.

It was brought up in our meeting yesterday, that we could set another pole and install the new fuse and riser on it to reduce the outage time. After discussing with one of the crew supervisors, it was decided that setting a new pole would not eliminate any outage time due to the possibility of not being able to pull all the cable through the conduit during the prep work.

I am open to any comments or suggestions.

Thank you,

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